



Statement of Work

Hyman Store Roof Replacement
Forillon National Park

1.0 PROJECT TITLE

Hyman Store Roof Replacement

2.0 OBJECTIVE

The Parks Canada Agency requires the services of a contractor to replace the cedar shingle roof of the Hyman Store, a heritage building located in the Grande-Grave sector of Forillon National Park, in Gaspésie, Quebec.

The Work includes (but is not limited to—See Section 4 Scope of Work) all labours, materials, equipment and sub-contracted services to complete the following:

- 1) Replacement of the roof of the Hyman Store, including the following:
 - Remove old roof and assess the condition of the decking. Replace rotted sections of the decking.
 - Supply and install cedar shingle cladding.
 - Supply and install a high-temperature self-adhering air and vapour barrier and ventilated underlayment for shingles (“Cedar Breather”) over the entire roof surface.
 - Install 1½-in. wide zinc-coated galvanized strips every 7th row.
 - Supply all materials, labour and equipment to complete the installation as shown on the drawings. Installation shall include all fasteners.
 - Supply and install step flashing on the chimney.
 - Supply and install flashing where the north wall meets the roof of the accessory building.
- 2) Repair of surfaces damaged by the work
- 3) Environmental protection measures
- 4) Occupational health and safety supervision for the duration of the work

3.0 BACKGROUND

Built in 1864, the Hyman Store is a testament to the commercial activities associated with the cod fishery.

Imposing in its stature, this two-storey building has clapboard siding on three facades and cedar shingles on the eastern facade, multi-pane sash windows, a stone foundation, a gable roof with bell-shaped eaves and cedar shingles, and two levels of verandas that run the full length of the southwest elevation (**photo 1**). The Hyman Store is open to the public and welcomes thousands of visitors each year.

The Hyman Store underwent major renovations in 1983–1984, including repairs to doors, windows and exterior siding (**photo 2**).

The building’s cedar shingle roof is currently in an advanced state of deterioration and needs to be replaced (**photos 3 and 4**). The signs of deterioration observed include:



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- Thinning and/or cracked shingles
- Missing shingles
- Lichen growth
- Corroded flashing

The roof area is approximately 3,200 square feet. (It is the responsibility of the contractor to validate all dimensions.)



Photo 1: Hyman Store, Sept. 2018



Photo 2: Renovations, 1983–1984 (File 149-09- PR 4.015)



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Photo 3: Roof of the Hyman Store, 2016



Photo 4: Hyman Store roof after Hurricane Dorian, 2019

4.0 SCOPE OF WORK

4.1 QUALITY CONTROL:

The Parks Canada Agency requires the services of a contractor to carry out all Work in accordance with the National Building Code of Canada (NBC), and other provincial codes. In case of omission or contradiction between these standards, the most stringent requirements shall apply.

All work is to be completed under the guidance of the *Standards and Guidelines for Historic Places in Canada* 2nd edition as well as under the direction of the Project Manager.

The technical guide *Toit. Bois. Bardeau.* (Publications du Québec) can be used as a practical reference for the Work, in coordination with the Project Manager (can be provided to the Contractor



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in PDF format upon request).

REGULATORY REQUIREMENTS

Fees, permits, inspections, certificates and by-laws:

- .1 Submit copies of all receipts, permits, inspection reports and certificates issued by authorities having jurisdiction to Parks Canada representative.

4.2 DELIVERY, STORAGE AND HANDLING:

- .1 Give the Project Manager two weeks' notice prior to commencing the Work.
- .2 Materials and equipment must be delivered, stored and kept in their original packaging so that the manufacturer's seal and label remain intact.
- .3 Prevent materials and equipment from being damaged, altered or soiled during delivery, handling and storage. Transport rejected materials and equipment off site without delay.
- .4 Store materials and equipment according to supplier instructions.
- .5 Cover bundled or loose stacks of shingles with boards to protect them from rain and prevent over-drying of the shingles in the top row. Store shingles in bundles or as loose pieces on a platform so that they are not in contact with the ground.
- .6 Ensure that the Work and storage are carried out within the specified limits. Do not unreasonably clutter the premises with materials and equipment.
- .7 Protect asphalt surfaces and plant cover and do not place loads on such surfaces which could cause them to be damaged or deformed.

4.3 PROTECTION OF PERSONS AND PROPERTY:

.1 SECURITY MEASURES

.1 GENERAL

The Contractor shall manage its activities in such a way that the health and safety of the public and of job site/workplace personnel, as well as protection of the environment, always take precedence over issues of cost and work schedule. The Contractor shall ensure that its employees are aware of all emergency procedures in effect at the place of work.



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Note: This work is to be completed in the Fall of 2020. Even though the tourist season will be coming to an end, the public will continue to be in proximity to the site. The Contractor is responsible to provide a perimeter security fence for the safety of the public.

.2 REFERENCES

Depending on the context, the latest available version of the following documents should always be used:

- .1 Canada Labour Code, Canada Occupational Health and Safety Regulations, SOR/86-304 (2016)
- .2 Health Canada/Workplace Hazardous Materials Information System (WHMIS).
 1. Material Safety Data Sheets (MSDS).
- .3 Canadian Standards Association (CSA) standards
- .4 Act Respecting Occupational Health and Safety, R.S.Q. Chapter S-2. (2002)
- .5 Safety Code for the construction industry, S-2.1, r.6 (2001)
- .6 Any other health and safety legislation or regulations that might be applicable by virtue of the company's status or the context in which the Work is carried out.

.3 RISK ASSESSMENT AND MANAGEMENT

- .1 The Contractor shall conduct a hazard identification for each of the tasks performed at the job site/workplace.
- .2 The Contractor shall plan and organize the Work in such a way as to promote the elimination of hazards at the source or collective protection, thereby minimizing the use of personal protective equipment. This includes all protective measures regarding COVID-19.
- .3 Any equipment, tools or means of protection that cannot be installed or used without jeopardizing the health and safety of workers or the public shall be deemed inadequate for the work to be performed.
- .4 Traffic areas on any public road or area must be free from obstruction, interruption or source of hazard resulting from the execution or existence of the Work, machinery, materials or equipment.

.4 SUBMITTALS

1. Submit site-specific Health and Safety Plan prior to Award of Contract. Plan shall include:
 - .1 Results of site specific safety hazard assessment.
 - .2 Results of safety and health risk or hazard analysis for site tasks and operation.



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2. Parks Canada representative will review Contractor's site-specific Health and Safety Plan and provide comments to Contractor prior to Award of Contract. Revise Plan as appropriate and resubmit prior to Award of Contract.
3. Parks Canada representative's review of Contractor's final Health and Safety plan should not be construed as approval and does not reduce the Contractor's overall responsibility for construction Health and Safety.
4. On-site Contingency and Emergency Response Plan: address outline and inform contractor employees and delegates of standard operating procedures to be implemented during emergency situations.

.5 JOB SITE SAFETY

- .1 Observe and enforce the safety measures outlined in Part 8 of the current National Building Code of Canada or those required by the provincial government, the workers' compensation agency or municipal authorities, with the most stringent requirements prevailing if there is any conflict or discrepancy between the requirements of the Codes and those of the above-mentioned agencies.
- .2 Smoking is not permitted on site. Obey smoking restrictions on building property.
- .3 The Contractor shall ensure to have at all times a fire extinguisher of the appropriate class and capacity for the Work.
- .4 All workers on the job site must wear approved safety helmets and shoes, safety vests and safety glasses at all times.
- .5 Additionally, all other personal protective equipment specific to the type of work is required. Safety standards shall be strictly enforced as recommended by Regulation S-2.1, R6.
- .6 The Contractor shall be solely responsible for the safekeeping of its own machinery, tools and materials as well as the protection of the Work during the term of the Contract.
- .7 The Contractor's health and safety plan must be provided at the kick-off meeting scheduled following the awarding of the Contract. Services provided by subcontractors under this order are covered by this plan.
- .8 Any anchoring to the building must be discussed with the Project Manager and approved before installation.
- .9 The Contractor shall install and keep in place barriers and protections around the building and in front of doors to protect visitors and employees.
- .10 Any damage caused to other parts of the building during the course of the Work shall be repaired according to the Project Manager's instructions, at the Contractor's expense.
- .11 Remove the old cladding and install new cladding in safe sections.
- .12 Cover incomplete sections at the end of the day or if it begins to rain and secure tarps so that they do not lift/flap in the wind.
- .13 Ensure that no part of the work is subjected to a load that could compromise its strength or



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cause permanent deformation.

.2 ENVIRONMENTAL PROTECTION

.1 WASTE

- .1 Fires and waste burning are not permitted on the job site.
- .2 It is prohibited to dispose of waste materials or volatile materials such as mineral spirits, and oil or paint thinners by dumping them into watercourses, storm sewers or sanitary sewers.
- .3 The Contractor shall dispose of all construction waste and any harmful materials at an approved site under the applicable local regulations, including excavation material.
- .4 The Contractor must provide a tarp below the scaffolding in order to protect the ground cover from hazardous materials.

.2 CONTRACTOR OBLIGATIONS

- .1 The Parks Canada Agency holds environmental approvals for the planned Work. The Contractor shall comply with the requirements of the conditions associated with each of the environmental approvals.
- .2 The Work must be carried out to the satisfaction of the Parks Canada Agency or its Designated Representative, with respect to environmental protection standards and regulations. The Contractor is required to comply with the environmental guidelines of this analysis and shall anticipate the inherent costs of these requirements.
- .3 The Contractor shall ensure that its work complies with:
 - .1 Municipal, provincial and federal environmental legislation and regulations
 - .2 The requirements set out in this Statement
 - .3 The requirements of the conditions associated with each of the environmental approvals
 - .4 Such other standards and guidelines as may be established by the designated Parks Canada Agency supervisor
 - .5 Canada National Parks Act

.3 NOTICE OF NON-COMPLIANCE

- .1 A written notice of non-compliance will be issued to the Contractor by the designated Parks Canada Agency supervisor whenever non-compliance with any federal, provincial or



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- municipal law, regulation, permit or other element of the environmental protection plan to be implemented by the Contractor is observed.
- .2 Upon receipt of a notice of non-compliance, the Contractor shall propose corrective actions to the Agency Representative and shall implement such actions promptly, with the approval of the Agency Representative.
 - .3 The Contractor shall await the written approval of the Agency Representative before proceeding with the implementation of the proposed actions.
 - .4 If necessary, the Agency Representative may order that the Work be stopped until satisfactory corrective action is taken.
 - .5 No additional time and no adjustment will be granted following the shutdown of work.

.4 EQUIPMENT, VEHICLES AND MACHINERY

- .1 Machinery and equipment containing petroleum products must be maintained, refuelled and cleaned at a site specifically set up for this purpose, where there is no risk of contamination of soil, groundwater or surface water. The site must be located at least 30 m from the St. Lawrence River. Otherwise, the surface of the site must be waterproof and have the capacity to contain all hydrocarbons in the event of a spill or leak. All these activities must be carried out under constant supervision.

4.4 MATERIALS:

.1 GENERAL

- .1 Unless otherwise specified, use new materials and equipment.
- .2 Within five (5) days of Contract award, submit the following information regarding the materials and equipment to be provided:
 - .1 Name and address of the manufacturer
 - .2 Trademark, model and catalogue numbers
 - .3 Data sheets
 - .4 Manufacturer's installation and application instructions
- .3 Unless otherwise indicated, use products from a single manufacturer in the case of materials and equipment of the same type or class.



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.2 MATERIALS

- .1 Sawn shingles
 - a. Species: Eastern white cedar
 - b. Category: Number 1, Blue Label
 - c. Profile: 3 mm at the thin part, 9.5 mm at the thicker part
 - d. Widths: varying from 100 mm minimum to 350 mm maximum
 - e. Length: 400 mm
 - f. Wood: 100% heartwood, free from knots of a maximum 25 mm, and sap on the first 250 mm, free from defects on the last 150 mm, free from unacceptable cross-grain.
 - g. Preparation: diagonally cut corners on the thin part, sanded face, straight profile on the thicker part.
- .2 Self-adhering roof underlayment and SBS-polymer modified bituminous eaves protection. Non-slip trilaminate woven polyethylene surface and underside covered by a removable two-part split-back silicone film. Non-slip surface such as LASTOBOND SHIELD HT from Soprema.
3. ¼ in. CEDAR BREATHER shingle ventilating membrane
4. Polyurethane caulking sealant
5. Vent stack (product similar to the existing, to be approved by the Project Manager)
6. Cedar ridgeboards
7. Cor-A-Vent V-300® ridge roof ventilation system or equivalent approved by the Project Manager
8. Various hot-dipped galvanized flashings - 28 gauge
9. Flashing nails: hot-dipped galvanized flat-head roofing nails that are CSA B111 compliant, of suitable length and diameter for installing metal flashing 316L
10. Shingle nails
 - a. Wire nails
 - i. Shingle nails: CSA B111 compliant, flat-head, split-proof, cylindrical shank, diamond tip, stainless steel for use with standard shingles
 - ii. Double thickness nails: CSA B111 compliant, stainless steel brad nails
11. 2" 3/8 wide zinc strips to be laid every 7th row
12. New continuous cedar eaves board
13. Spruce roof decking replacement allowance (20 m² of 25 mm X 140 mm)
14. Plywood replacement allowance for decking (20 m²)
15. Fascia board replacement allowance – 28m – in the case of rot or needing to be replaced. Re-paint to match existing.



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4.5 EXECUTION OF THE WORK

A) PRIORITY OF CONTRACT DOCUMENTS:

The priority of contract documents, from highest to lowest is:

- .1 The Statement of Work
- .2 The explanatory sketches.

Later dated documents govern over earlier documents of the same type.

B) WORK SCHEDULE

a) The Contractor shall, without being entitled to claim any compensation or increase in the contracted price, comply with the instructions given to him by the Parks Canada Agency with respect to days of work, hours of entry and exit of workers, location and deposit of materials, equipment, truck access, etc., and shall not be entitled to claim any compensation or increase in the contracted price.

The work schedule indicated, unless otherwise specified at the kick-off meeting, is from 7:00 a.m. to 6:00 p.m. Monday to Friday.

b) The Contractor shall respect, without compensation or increase in the contracted price, any interruptions to the work required by the operating needs of the sector in which the work is being carried out or by weather conditions, and shall take all measures indicated to him so as not to hinder the services.

C) DESCRIPTION OF WORK

.1 REMOVAL OF EXISTING CLADDING

- a. Remove the roof finish, flashing, and underlayment, and expose the roof sheathing (sheathing and roof planking).
- b. Remove flashing and any protruding flashing nails, as well as any that are broken. Remove dust and debris from surfaces.
- c. Evaluate the condition of the roof sheathing and planking. Report to the PCA Representative any weak points or damaged components that had not been previously identified and carry out repairs as directed.

.2 PREPARATION OF THE SUBSTRATE AND REPLACEMENT OF FLASHING



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- d. Replace cut sections of damaged plywood and sheathing boards with plywood or boards of the same species, cut to the same size (**see allowances**).
- e. Replace the stepped flashing on the chimney with hot-dipped galvanized sheet metal flashing. Perform work to replicate existing flashing. Apply a zinc-based coating to flashing cut lines. See attached sketch.
- f. Remove the first course or two of facing that covers the flashing between the north facade and the addition to the Hyman Store.
- g. Replace the flashing joining the north facade and the addition to the Hyman Store using hot-dipped galvanized flashing. Perform work to replicate existing flashing. Apply a zinc-based coating to flashing cut lines. Refer to the attached sketches for flashing installation (sketch in appendix).
- h. Reinstall and/or replace the removed facing boards. New facing boards shall have the same profile as the replaced ones.
- i. Apply one coat of primer to the new facing (to match existing, to be approved by the Project Manager).
- j. Apply a topcoat of paint to the new facing boards to match the colour of the finish on the north façade (to match existing, to be approved by the Project Manager).

.3 INSTALLATION OF SELF-ADHERING WATERPROOF MEMBRANE

- k. Membranes: Surfaces must be clean, dry and free of all debris or dust. If specific conditions at the job site require superior adhesion, it is recommended that a primer be used (to be approved by the Project Manager).
- l. Install the self-adhering membrane over the roof sheathing in accordance with the manufacturer's written requirements, recommendations and specifications, including any available technical bulletins, product handling, storage and application instructions, and data sheet instructions.

.4 INSTALLATION OF SHINGLE VENTING MEMBRANE

- m. Install the venting membrane on the roof in accordance with the manufacturer's written requirements, recommendations and specifications, including any available technical bulletins, product handling, storage and application instructions, and data sheet instructions.
- n. Install the roof cladding materials within 24 hours of installing the venting membrane.

.5 ROOF SHINGLING

- o. Unless otherwise specified, install sawn wood shingles in accordance with the requirements of the National Building Code of Canada (NBC), CCQ and CSA O118.1.



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- p. Install sawn shingles on the venting membrane according to the manufacturer's recommendations.
- q. Space sawn shingles approximately 5 to 8 mm apart.
- r. Stagger the joints of subsequent courses by at least 40 mm. Ensure that all joints are staggered over each strip of three (3) successive courses.
- s. Use two (2) nails for each shingle and drive them 20 mm from the edge and 40 mm above the top edge of the next course of shingles.
- t. Drive nails until the head meets the surface of the shingle, without crushing it.
- u. Drive nails flush, taking care not to crush shingles.
- v. Install galvanized zinc strips, 1 ½ inches wide, every 7 rows.

.6 WOOD SHINGLE AND SHAKE ROOFING

- w. Starter course
 - i. Triple-layer sawn shingle course at the eaves.
 - ii. Place shims as required under the starter course to ensure that all shingle courses are properly aligned.
 - iii. Have the thicker part of the shingles extend 25 mm beyond the first sheathing board or face of the cornice.
- x. Course type
 - i. Lay the wood shingles such that there is a +/- 100 mm (4 in.) exposure and triple thick shingles at all points.
 - ii. Lay the wood shingles such that the grain of the wood is perpendicular to the eaves.
 - iii. Drip edge shingles should be bevel cut on their outer edge to promote water drainage.
 - iv. When installing mixed shingles (cut on mesh and through-and-through sawn), do not line up the joints with a centre line or offset them directly below a centre line.
 - v. Sawn shingles should not be within 25 mm of any vertical flashing.

5.0 CLEAN-UP

.1 CLEANLINESS OF THE JOB SITE



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- .1 Keep the job site clean and remove any build-up of debris and waste material.
- .2 Remove debris and waste from the job site and place in waste containers at the end of each work shift. When containers are full, remove them from the job site the same day.
- .3 Dispose of waste materials off-site at pre-determined fixed intervals or dispose of them as directed by the Parks Canada Agency representative. Do not burn waste at the job site.

.2 FINAL CLEAN-UP

- .1 When the work is almost complete, remove surplus materials, tools and construction equipment and materials that are no longer needed to complete the unfinished work.
- .2 Remove debris and waste materials other than those generated by the Contractor or its employees and leave the premises clean and ready for occupancy.
- .3 Remove dust and debris as well as stains, marks, and scratches from the cladding, decorative work, mechanical and electrical appliances, furniture, walls and floors.
- .4 Remove dirt and other noticeable debris from exterior surfaces.
- .5 Clear the site of all construction waste and additional materials not required to perform the work. The Contractor shall leave the site as it was prior to the commencement of the Work.

6.0 TIMELINE

- .1 The Contractor shall provide a schedule of work outlining each sequence of work resulting from the required services listed in this statement. The dates set out above should be addressed in this schedule.
- .2 The Contractor shall have completed the work by **October 23, 2020**.

7.0 OWNER OCCUPANCY

Parks Canada will occupy premises during entire construction period for execution of normal operations.

8.0 SITE MEETINGS

- .1 Attend site meetings as requested by the Project Manager.
- .2 The Project Manager will organize meetings and will be responsible for their scheduling.
- .3 A kick-off meeting will be scheduled prior to setting up the job site. Site meetings will be held



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at two-week intervals.

9.0 QUALITY CONTROL

.1 INSPECTION

- .1 The PCA Representative may order the inspection of any part of the work if its compliance with the contract documents is in doubt. If, after examination, the Work in question is found not to comply with the requirements of the contract documents, the Contractor shall take the necessary steps to ensure the Work complies with the specified requirements and shall bear the cost of inspection and repair. If the Work in question is found to be in compliance with the requirements of the contract documents, the Consultant shall be responsible for any inspection and repair costs so incurred.

.2 REJECTED WORKS OR UNDERTAKINGS

- .1 Remove defective items deemed not to comply with the contract documents and rejected by the Parks Canada Agency representative, either because they were not executed according to trade practices or because they were executed using defective materials or products, even if they have already been incorporated into the works. Replace or redo the items in question in accordance with the requirements of the contract documents.

10.0 DOCUMENTS/ITEMS TO BE SUBMITTED UPON COMPLETION OF THE WORK

.1 WARRANTIES

- .1 Provide a 3-year warranty on installation.
- .2 Any repair or replacement, or any damage caused to the work of other trades due to defective work in this section during the warranty period shall be redone at the expense of the warranty signatories. The warranty shall be given to Owner within fifteen (15) days following final acceptance of the Work.
- .3 Provide a 10-year warranty on waterproofing membranes, installation and supply.

.2 INVOICING: Upon completion of the work, the Contractor is required to submit to the Project Manager a signed and dated invoice for each payment, clearly indicating:

- .1 Contract No.
- .2 Name, full contact information and registration number of the Contractor



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.3 Description of the Work and period covered by the invoice



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Appendix 1 WORKING AT HEIGHTS

- .1 The Contractor shall ensure that any person performing work that exposes them to a risk of falling more than 2.4 m has been provided with training and is equipped with fall protection.
- .2 Plan and organize the Work in such a way as to promote the elimination of hazards at the source or collective protection, thereby minimizing the use of personal protective equipment. Where personal fall protection is required, workers shall use a safety harness in accordance with CAN-CSA-Z-259.10-M90. A safety belt must not be used as fall protection.
- .3 Wearing a safety harness is mandatory on all elevating platforms with a telescopic, articulated or rotating mast.
- .4 Mark off a danger area anywhere equipment for working at heights is used.

Scaffolding

- .1 Foundations:
 - .1 Scaffolding shall be erected on solid foundations such that it cannot slide or tip over.
- .2 If the Contractor wishes to install scaffolding on a roof, overhang, awning or mansard, calculations and loads must be submitted to the Parks Canada representative and authorization obtained before beginning the installation.
- .3 Assembly, bracing and anchoring:
 - .1 All scaffolding shall be assembled, braced and anchored in accordance with the manufacturer's instructions and the provisions of the Safety Code for the construction industry.
- .4 In any situation where it is necessary to remove certain components of the scaffolding (e.g. cross braces), the Contractor shall submit an assembly procedure that has been signed and sealed by an engineer certifying that the assembled scaffolding will allow the work to be performed safely, taking into account the loads to be applied.
- .5 For any scaffolding structure where the span between two supports is greater than 3 m, the Contractor shall provide an assembly plan that has been signed and sealed by an engineer.
- .6 Fall protection during assembly:
 - .1 At all times during assembly, all workers at height shall be protected from falling.
- .7 Prior to commencement of the Work, the Contractor shall submit to the Parks Canada representative a procedure outlining the protection measures used and, if applicable, anchoring points for emergency cables or restraint ties. This procedure must comply with the



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provisions of sections 3.9.4.5, 2.9.1 and 2.10.12 of the Safety Code for the construction industry (amended August 2, 2001).

- .8 Floors:
 - .1 Scaffolding floors shall be designed and installed in accordance with the provisions of the Safety Code for the construction industry.
- .9 If planks are used, they must be approved and stamped in accordance with the provisions of section 3.9.8 of the Safety Code for the construction industry (effective as of January 1, 2002).
- .10 Flooring must cover the entire area protected by guardrails.
- .11 Notwithstanding the foregoing, scaffolding with four or more sections (or 6 m) in height must have a solid floor covering the entire surface of the putlogs every 3 m or fraction thereof, and the components of this flooring must not be moved at any time to create landings.
- .12 Guardrail:
 - .1 A guardrail shall be installed on all work levels.
 - .2 Cross-braces shall not be considered guardrails.
 - .3 For scaffolding of four or more sections (or 6 m) in height where solid flooring is required, guardrails shall be installed at each of these landings at the start of the Work and remain in place until completion of the Work.
- .13 Access:
 - .1 The Contractor shall ensure that access to the scaffolding does not compromise worker safety.
 - .2 Where scaffold floors are made of planks, ladders shall be provided to ensure that protruding planks do not impede ascent or descent.
 - .3 Notwithstanding the provisions of the Safety Code for the construction industry, stairs shall be installed on all scaffolding of six (6) or more rows of uprights and six (6) or more sections (or 9 m) in height.
- .14 Protection of the public and occupants:
 - .1 The Contractor shall mark off and barricade the work area and limit access to authorized workers only.
 - .2 The Contractor shall install covered walkways, netting or similar devices to protect the public or occupants from falling objects.
- .15 Use of public roadways:
 - .1 Where use of public roadways is necessary, the Contractor shall obtain all authorizations and permits required by the competent authority, at the Contractor's expense.



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.2 The Contractor shall install all signage, barricades and other devices required to ensure the safety of the public and its own facilities, at the Contractor's expense.

Hoisting of materials

- .1 For all hoisting apparatus, the Contractor shall provide the Parks Canada representative with a certificate of mechanical inspection performed immediately prior to delivery of the equipment to the job site.
- .2 For all winch installations, the Contractor shall provide the Parks Canada representative with the installation procedure recommended by the manufacturer or, failing that, an installation procedure signed and sealed by an engineer. The installation procedure must take into account, in particular, the maximum allowable loads, the number, weight and location of counterweights and any other details that may affect the capacity and stability of the apparatus.
- .3 In addition to the mechanical inspection certificate, all cranes or crane trucks must have the annual inspection certificate and crane logbook on board.
- .4 Hoisting equipment shall be positioned such that loads are not carried over the heads of workers, occupants and the public.
- .5 The entire hoisting area shall be barricaded to prevent unauthorized persons from entering.
- .6 The Contractor shall obtain all permits and pay the associated fees, if the public roadway must be temporarily blocked, in order to comply with the preceding paragraph, or for any other reason concerning the safety of workers, occupants or the public.
- .7 The Contractor shall carefully inspect all slings and hoisting accessories and ensure that any that are in bad condition are destroyed and discarded.
- .8 Compressed gas cylinders shall be hoisted using a basket specially designed for this purpose.



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Appendix 2
Technical Drawings
(attached documents)