



GOVERNMENT OF BERMUDA

Ministry of Public Works
Department of Public Lands and Buildings

INTERNAL PAINTING SPECIFICATION

Between the Owner: Ministry of Public Works
Buildings Department
2 Aeolia Drive
Devonshire DV05
441-292-2500

And the Contractor: TBA

For the Project: Gibb's Hill Lighthouse
68 Saint Anne's Road
Southampton SN02

Building #: 0199

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APPENDIX 1 - PHOTOS

IMPORTANT NOTES:

Prior to submitting a bid, you must visit the site and satisfy yourself as to the nature, complexity and quantity of the works to be finally performed and the relevant equipment, materials and labor skills, productivity and hours required to complete these works.

All previously painted surfaces are to be thoroughly prepared and re-painted.

Works are to be carried out to the interior of the lighthouse and lighthouse entrance only. The adjacent buildings will be repaired and painted by others outside of these specified works.

DIVISION 01. GENERAL REQUIREMENTS

01500 - Temporary Facilities and Controls

This work shall consist of the application of temporary measures throughout the life of the project.

01510 - Temporary Utilities

All connections and extensions required to provide temporary utilities shall be made by the Contractor at the Contractor's expense.

01511 - Temporary Electricity

The contractor is to connect to existing power service without disrupting local service requirements.

01518 - Temporary Water

The contractor is to connect to an existing water source for construction operations.

01523 - Sanitary Facilities

The Contractor will be able to use the existing sanitary facilities, which he shall maintain in a neat and sanitary condition.

01530 - Temporary Construction

The contractor shall provide and maintain for duration of work all required temporary stairs, ladders, ramps, runways and hoists for use of all trades.

01540 - Construction Aides

The contractor to provide all construction aids needed during construction which shall include but not limited to; elevators, hoists, etc.

01542 - Construction Scaffolding and Platforms

The contractor shall provide and maintain for duration of work all required temporary standing scaffolding and 'Independent tied' scaffold or alternative safety harness system.

01550 - Vehicular Access and Parking

Arrange and agree with client parking areas to accommodate construction personnel.

01560 - Temporary Barriers and Enclosures

The contractor shall provide barriers to prevent unauthorized entry into construction areas and to protect existing facilities and adjacent properties from damage from construction operations. Install barricades and covered walkways required by governing authorities for public right of ways.

01600 - Product Requirements (Scope of Work)

All materials shall be installed in strict accordance with the manufacturer's written specifications or Material's Institute Standards. Where the manufacturer's recommended details are used, the Manufacturer shall be responsible for the performance of their product. All Items not specifically mentioned that are required to make the work complete and operational shall be included.

Installation and Storage - All materials, supplies and equipment shall be installed per manufacturer's recommendations and per applicable codes and requirements. Material stored on site shall be protected from damage by moisture, wind, sun, abuse or any other harmful affects.

01700 - Execution Requirements

The execution of all work shall be in strict accordance with these specifications and manufacturer's written specifications or Material's Institute Standards. Where the manufacturer's recommended details are used, the manufacturer shall be responsible for the performance of their product. All work not specifically mentioned that is required to make the work complete and operational shall be included.

Codes - Construction shall comply with all applicable building codes. It is the responsibility of the Contractor to insure compliance with said codes and modify the specifications as needed to comply with such codes.

Measurements - The Contractor shall check and verify all dimensions and conditions before proceeding with construction.

Workmanship - Workmanship shall conform to the best and highest standards of quality in each trade and shall include all items of fabrication, construction and installation. All work shall be completed by skilled tradesmen and mechanics. Installation of all equipment and materials shall be in strict accordance with manufacturer's recommendations.

Insurance - Builders Risk Insurance shall be maintained by the contractor during the course of construction until final acceptance by the owner. All bonding and insurance requirements shall be coordinated with the Owner prior to beginning construction. All contractors shall provide and be solely responsible for necessary barricades and safety precautions, and strictly adhere to all governing codes on safety, including the OSHA Act.

01740 - Cleaning

Construction site to be in a clean and orderly condition throughout the construction process. At the conclusion of construction, the project shall be properly cleaned. This should include but not be limited to; cleaning the exterior glass, surfaces exposed to view, remove temporary labels, stains and foreign substances, polish transparent and glossy surfaces, and remove all waste and surplus materials.

DIVISION 09. FINISHES

09000 - General

Contractor shall provide all materials, labor and equipment pertaining to the finishes as required and as specified herein, while complying with all applicable building codes and all governing codes on safety.

The Contractor shall ensure that all surfaces are in a fit and proper condition to receive the coatings specified.

Clean down, remove all foreign matter including grease, dust, dirt, fill cracks and holes, fine sand and leave smooth. The whole surface must be thoroughly dry unless otherwise specified before coating commences. If there is mould or moss on the surface treat it with an appropriate fungicide.

All surfaces shall be finished with the appropriate coating system to produce a satisfactory result. No variation will be made for alleged additional work or alternative finish without prior approval from the Project Manager.

The Contractors shall remove furniture, switch plates, light fittings, etc., before coating, and replace on completion. Allow each coat to harden thoroughly, then sand down and dust clean before re-coating.

Cutting in between different colours shall be done neatly in straight lines to satisfaction of Project Manager.

Manufacturer's instructions shall be strictly followed

09910 – Interior Metal Panels, Handrails, Guardrails, Stairs, Floors, Ceilings Window Frames, Ornamental Ironwork etc.

Preparation - Thoroughly scrape, chip, wire brush and grind as necessary all rusted areas and loose or flaking paint, ensuring all glass, brick, stone and wood to adjacent areas are fully protected.

On completion of scraping allow for vacuum cleaning all debris.

Jet washing is strictly prohibited

Paint - All internal bare metal surfaces are to be spot primed using Rus-Kil Red Primer (or similar approved). Newly cleaned metal is to be primed immediately to prevent "flash rusting".

Thereafter apply **two (2) coats** of semi-gloss (marine quality) enamel coatings.

09911 - Wood Surfaces

Preparation - All nail heads shall be set below the surface and finished smooth. If mildew is evident, the mildew must be removed and surface treated to inhibit further mildew growth. When staining, pre-prime with the same product as specified for the final coat. Sand and putty wood surfaces smooth before finish is applied. Surfaces shall be sanded before each finish layer is applied. Windows and doors are to be painted in the open position and include for painting all exposed edges

Paint - Prime bare wood surfaces including faces, edges and ends. Apply at least **one (1) coat** of wood primer **and two (2) coats** of finish paint. Surfaces shall be sanded before each finish layer is applied.

Varnish – Apply **two (2) coats** of varnish to existing varnished wood surfaces

09912 - Interior Masonry Walls

Remove all loose paint and prepare surfaces to receive new paint. Spot prime where required and apply **two (2) coats** of semi-gloss paint.

09913 – Caulking and Sealants

All caulking shall be Marine quality caulk 5200 as supplied by 3M or Dow Corning 795 Silicone Building Sealant or similar to the prior approval of the contract administrator. Caulking shall be applied in accordance with the manufacturer's instructions, including surface preparation. Closed-cell polyethylene backer-rod must be used in all joints deeper or wider than ¼"; such joints shall be kept to a minimum in any event. Caulk shall be guaranteed non-staining, non-sagging type. Caulk color shall be (white) and shall match closely the finish of the adjacent component.

Joints and spaces to be caulked shall be thoroughly clean, dry, free of paint, putty oils, grease, dust and other foreign matters, and shall be primed. All caulking shall be removed from areas to receive new caulk. All surfaces to accept caulk shall be left clean before new application.

Application of caulk shall be provided in a manner recommended by the manufacturer. Caulk beads should be smooth and slightly Concave, Excess, messy, or convex caulking will not be permitted, nor beads exceeding 3/8" wide.

All caulking shall be completed using an approved type of caulking gun and applying the material under pressure, except where not practical. Caulk joints shall be tooled immediately upon application to assure maximum adhesion and neat joint appearance.

Caulking shall be carried out to the perimeter of all windows, doors, and joints to all metal panels.

GENERALLY

Notes:

- (i) Prior to submitting a bid, you must visit the site and satisfy yourself as to the nature, complexity associated with completing these works.
- (ii) All materials, equipment and labor will be provided by the successful Contractor and shall therefore be included in his price.
- (iii) Contractor to use Glidden “Gripper” Primer (or similar approved) on walls/ ceilings that are water stained, or experience mildew and on timber that has hairline cracks.
- (iv) Contractor to use Xypex on masonry surfaces experiencing dampness prior to applying paint.

APPENDICES

APPENDIX 1
(Photos)







