



GOVERNMENT OF BERMUDA

**Ministry of Public Works
Department of Public Lands and Buildings**

**WINDOW SPECIFICATION
(SUPPLY ONLY)**

Between the Owner: Public Works
Public Lands & Buildings
2 Aeolia Drive Devonshire DV05
Bermuda
441-292-8485

And the Contractor: TBC

For the Project: The Cabinet Building
105 Front Street
Hamilton
HM12

Building #: 0403

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DIVISION 01. GENERAL REQUIREMENTS

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 supplied 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 effects.

Warranties – Upon completion the following supplier's warranties are to be forwarded to the Owner: 5 Year Coatings Warranty, 5 Year Window Frame Warranty and a 10 Year Glazing Warranty.

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 ensure 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. Skilled tradesmen and mechanics shall complete all work. Installation of all equipment and materials shall be in strict accordance with manufacturer's recommendations.

Insurance - the contractor shall maintain Builders Risk Insurance 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.

DIVISION 08. WINDOWS

08000 - General

Contractor shall provide labour and materials pertaining to the (**supply only**) of solid mahogany windows as per the below schedule and all as specified herein, while complying with all applicable building codes. The contractor is to provide a sample operable window including for all locks, handles and bolts etc. for approval prior to ordering.

All windows are to be milled by Palm City Millwork, INC. 3313 SW 42ND Ave, Palm City, FL 34990 Tel: 772-288-7086 or similar approved.

Authentic mahogany 1" glazing bars (muntins) are to be securely fixed to each individual sash window to give the appearance of (8 over 8) and (12 over 12) sash windows.

All glazing units are to be manufactured by PPG Industries.

New replacement windows and glazing are to include the following:

Design Pressure: +/- 70 psf. Glazing specification to meet the applicable wind loads for a 150mph 3 second gust wind speed, exposure category C or D in accordance with ASCE 7

Frame: Mahogany with Forest Green exterior frame and white interior and exterior sash paint finish.

Style: Sliding sash

Glazing Options: 7/16" laminated glass with Solarban 70XL

Options: brass hardware

Low-E Coating: Energy advantage Low E

Light to Solar Gain (LSG): 3.11

Gas-Fills: Not applicable

Ratings: U value rating of 0.53 (Btu/hr ft² °F

Shading Coefficient: 0.41

Solar Heat Gain Coefficient: 0.19

Total Solar Energy Reflectance: 22%

Total Solar Energy Transmittance: 73%

Ultraviolet Transmittance: 0%

Visible Transmittance: 59%

Visible Light Reflectance: 14%

Sound Transmission Class (STC): STC rating of 36 is to be achieved

All new windows are to be designed and installed in accordance with LEED best building practice. Windows are to comply with the relevant mandatory and prescriptive provisions of ASHRAE/IESNA standard 90.1-2004

New windows are to be provided all as per the below schedule.

Window Schedule

Qty	Size	Fenestration	Glazing	Specification
16	50 ½" w x 84" h	8 over 8	Clear	Sliding Sash
18	50 ½" w x 96" h	12 over 12	Clear	Sliding Sash
4	16 ½" w x 45" h	1 over 1	Obscure	Sliding Sash

08750 - Window Hardware

Finish hardware shall include brass locksets, handles and bolts to all operable windows. All hardware is to be from the same supplier and product range and Installed as specified by the manufacturer.