



## **Elaine Lone Sprauve Library and Museum of Cultural Arts Hurricane Irma and Maria Scope of Work**

The two-story library (Facility), formerly a plantation main-house that was constructed in 1757, is located at Enighed Estate in the Cruz Bay section of St John Island. On July 1, 1976 the site was admitted to the National Register of Historic Places, and in 1980, restoration of the building was completed. The facility is operated by the VI DPNR. Approximately a 48ft x 31ft X 30ft high (two story building) with storm related damages. Primary damage is from wind, water and debris impacts to shutters, roof, windows, etc. Facility personnel have taken actions to dry and dehumidify the building. Water and potential moisture damage from water intrusion exist due to damaged windows, electrical supply, and potential AC failure. The building construction consisted of concrete and masonry wall two story structure with wood framed floors and hipped sloped high roof at 4 to 12 pitch with wooden rafters and tongue and groove decking covered with ½ inch deep galvanized corrugated metal roofing on 2x4 purlins. Below are scope items to address:

### **South Exterior Elevation Roofing**

Building Exterior – South Elevation, 16 SF of One, Corrugated galvanized steel roofing section. (1)-2 FT W x 8 FT L section = 16 SF total.

Building Exterior – South Elevation, 64 SF of Three, Corrugated galvanized steel roofing sections. (1)-4 FT L x 4 FT W section and (2)-4 FT W x 6 FT L sections. 16 + 24 + 24 = 64 SF total.

### **East and West Elevations**

Building Exterior, 96 LF total of two, 6 IN wide x 2 IN deep Galvanized metal roof gutter sections. (2)-48 FT sections. 48 FT + 48 FT = 96 LF total., 96 LF long

Building Exterior-West, 60.56 SF of Four, 2.67 FT W X 5.67 FT H X 2 IN thick wooden tongue & groove window shutters. Shutter hardware undamaged. (4)-2.67 FT W X 5.67 FT H, 4 x (2.67 x 5.67) = 60.56 SF total.

Building Exterior-West, 64 SF of Two, 4 FT W X 8 FT H X 2 IN thick wooden, tongue & groove door shutter. Shutter hardware undamaged. (2)-4 FT W X 8 FT H, 2 x (4 x 8) = 64 SF total.

Building Exterior-West, 32 SF of One, 6 IN W x 2 IN thick wooden door frame and 4 FT W X 8 FT. H glass paneled wooden entrance door with automatic door closer. Door hardware was undamaged. (1)-4 FT W X 8 FT H, 4 x 8 FT = 32 SF total.

Building Exterior-East, 128 SF of Two pairs, 4 FT W X 8 FT H X 2 IN thick wooden, tongue & groove door shutter. Shutter hardware undamaged. (4)-4 FT W X 8 FT H, 4 x (4 x 8) = 128 SF total.

### **North and South Exterior Elevations**

Building Exterior, 62 LF total of two, 6 IN wide x 2 IN deep Galvanized metal roof gutter sections. (2)-31 FT sections. 31 + 31 = 62 LF total., 62 LF long

Building Exterior-South, 80 LF total of two, 6 IN diameter PVC pipe down-spouts sections. (2)-40 FT sections. 40 + 40 = 80 LF total., 80 LF long

Building Exterior-North, 80 LF total of 6 IN diameter PVC pipe down-spouts. (2)-40 FT sections.  
40 + 40 = 80 LF total., 80 LF long

Building Exterior-South, 143.76 SF of Two pairs, 3.17 FT W x 5.67 FT H X 2 IN thick wooden,  
tongue & groove window shutter. Shutter hardware undamaged. (4)-3.17 FT W x 5.67 FT H,  
4 x (3.17 x 5.67) = 143.76 SF total.

#### **Lower Western Exterior Courtyard:**

Building Exterior, 96 SF of Two, 2 IN thick wooden, tongue & groove curved door shutter.  
Shutter hardware undamaged. (2)-6 FT W X 8 FT H, 2 x (6 x 8) = 96 SF total.

#### **West Exterior Veranda Flagpole:**

Building Exterior, 26 LF total of One, tapered, 5 IN diameter (at base) x 26FT T aluminum  
metal flagpole with hardware., 26 LF long, 5 IN diameter (at base) x 26 FT H aluminum  
metal flagpole with hardware

#### **West Exterior Door Wall Light Sconces:**

Building Exterior, 2 each of one, exterior, 110v, wall light sconces on the wall., High winds  
and wind-blown debris caused detachment and missing damage to exterior, 110v, wall light  
sconces on the veranda.

#### **West Exterior Veranda Lamp Post Light Fixture:**

Building Exterior, 1 each of one, exterior, black, aluminum, 3 IN diameter, 5 FT T, lamp post  
and a 110v, black, colonial style, light on top of the post. Concrete base undamaged., High  
winds and wind-blown debris caused bending damage beyond repair to a exterior, black,  
aluminum, 3 IN diameter, 5 FT T, lamp post and a 110v, black, colonial style, light on top of  
the post. Concrete base undamaged.

#### **West Exterior Door Security Camera:**

Building Exterior, 1 each of one, exterior, domed security cameras, missing. Wiring  
appears undamaged., High winds, wind driven rain and wind-blown debris caused impact  
and water infiltrated damage beyond repair to exterior, domed security cameras. Wiring  
appears undamaged.

Building Exterior, 2 each of one, exterior, domed security cameras. Wiring appears  
undamaged., High winds, wind driven rain and wind-blown debris caused impact and water  
infiltrated damage beyond repair to exterior, domed security cameras. Wiring appears  
undamaged.

#### **East Exterior Air Conditioning Unit:**

Building Exterior, 4 each of one, ground mounted, 4 Ton Trane external - internal A/C unit.,  
High winds, wind driven rain and wind-blown debris caused impact and water infiltrated  
damage beyond repair to ground mounted, 4 Ton Trane external - internal A/C unit.

#### **North, South, East & Exterior Wall Elevation:**

Building Exterior, 3,950 SF of Four, exterior wall stucco finish sections. (1)-48 FT W X 30 FT  
H section, 48 FT W X 20 FT H section, 31 FT W X 20 FT H section, and 31 FT W X 30 FT  
H section, (48 x 30) + (48 x 20) + (31 x 20) + (31 x 30) = 3,950 SF total., High winds, wind  
driven rain and wind-blown debris caused impact and water damage to exterior wall stucco  
finish / coating

### **West & North Exterior (Front) Stair and Ramp Walls:**

Exterior Site, 2,800 SF of Four (4) locations, exterior masonry /concrete low walls coating finish on each side (2) at stairs and ramp walkways walls. One, 40FT West stair wall; One 20 ft South stair; One, 75 FT North walkway walls and One 65 FT West walkway wall.  $(40 \text{ FT} + 20 \text{ FT} + 75 \text{ FT} + 65 \text{ FT}) \times 3.5 \text{ FT H} \times 2 = 2800 \text{ SF total...}$  Damage to exterior masonry /concrete

walkway low walls' coating finish on each sides of walls

Exterior Site, 1,000 SF of Two, exterior masonry /concrete ramp walkway high walls coating finish on one (1) side of 2 walls.  $10 \text{ FT H} \times 50 \text{ FT L}, 2 \times 1 \times (10 \times 50) = 1000 \text{ SF total...}$  Damage to exterior masonry /concrete walkway high walls coating finish on one side of walls.

Exterior Site, 400 SF of One, exterior masonry /concrete ramp walkway medium height wall coating finish on one (1) side of 1 wall.  $8 \text{ FT H} \times 50 \text{ FT L}, 1 \times (8 \times 50) = 400 \text{ SF total...}$  Damage to exterior masonry /concrete walkway high walls coating finish on one side of wall.

### **East Exterior Stair (Back) Low Walls:**

Exterior Site, 168 SF of Two, exterior masonry /concrete walkway low walls' coating finish on each sides of walls at back stairways.  $(2 \text{ walls}) \times 3.5 \text{ FT H} \times 12 \text{ FT L}, 2 \times 2 \times (3.5 \times 12) = 168 \text{ SF total...}$  Damage to low walls' coating finish on each sides of walls at back stairways.

### **Library Interior- South East- First Floor Ceiling:**

Building Interior, 8 SF of One, 1.25 IN thick, wooden, tongue & grooved ceiling section at SE corner.  $(1) \times 2 \text{ FT W} \times 4 \text{ FT L} = 8 \text{ SF total...}$  Damage beyond repair to 1.25 IN thick, wooden, tongue & grooved ceiling section. Paint to match existing color.

### **Library Interior- Basement Level:**

Building Interior, 1,422 SF of One, basement masonry wall coating finish.  $(1) \times 9 \text{ FT H} \times 158 \text{ FT L}, 1 \times (9 \times 158) = 1422 \text{ SF total...}$  Damage that extensively discolored walls' coating finish.

Building Interior-West Basement Window, 4 SF of **1, 2 FT W x 2 FT H x 1 IN T** basement wood window frame with three of four 12 IN x 12 IN single glass panes broken and two wood cross grilling cracked. Window hardware undamaged.  $(1) \times 2 \text{ FT W} \times 2 \text{ FT H} \times 1 \text{ IN T}, 1 \times (2 \times 2) = 4 \text{ SF total...}$  Damage beyond repair to basement wood window frame with four single glass panes and wood cross grilling. Window hardware undamaged.

Building Interior- South Basement Window, 8.94 SF of **2, 1.92 FT W x 2.33 FT H x 1 IN thick** wooden interior louvered window shutters. Shutter hardware undamaged.  $(2) \times 1.92 \text{ FT W} \times 2.33 \text{ FT H}, 2 \times 1.92 \times 2.33 = 8.94 \text{ SF total...}$  Debris caused impact and partial removal damage beyond repair to wooden, tongue & groove door shutters. Shutter hardware undamaged.

### **Library Interior- First Floor:**

Building Interior – South Exterior Wall Window, 1 each of interior window latch... Damage beyond repair to interior window latch.

Building Interior – North Interior Window, 35.94 SF of Two, 3.17 FT W x 5.67 FT H X 2 IN thick wooden tongue & groove window shutters. Shutter hardware undamaged.  $(4) \times 3.17 \text{ FT W} \times 5.67 \text{ FT H}, 2 \times (3.17 \times 5.67) = 35.94 \text{ SF total...}$  damage beyond repair to wooden tongue & groove window shutters.

Building Interior – South Exterior Wall Door, 0.67 SF of Three, 8 IN x 12 IN single glass panes broken in 3.16 FT W x 5.66 FT H x 1.75 IN T first floor (historical) wood door frame with wood cross grilling.  $(2) \times 0.67 \text{ FT W} \times 1.0 \text{ FT H}, 1 \times (0.67 \times 1.0) = 0.67 \text{ SF total...}$  damage beyond repair to single glass panes in first floor wood (historical) door frame with wood cross grilling.

All exterior shutters shall be stripped, seal with water sealant and painted to match the historic color.

The general restroom that is located within the building does not meet the ADA requirements. As such as define in the ADA 2007 standard, the contractor shall make the necessary modification so that the restroom meets the ADA standards. This includes water closet and sink spacing, size of access doorways, water closet and sink changes, etc.

**Library Interior- Damaged Hardwood Flooring at East Exterior Wall Window:**

Building Interior, 9 SF of One, hardwood flooring section. (1)-3 FT W x 3 FT L, 3 x 3 = 9 SF total... debris caused water infiltrated damage of a first floor hardwood flooring section.

**Exterior surrounding**

During the time of execution of this project, the contractor is responsible for cutting and dispose of all overgrown brushes that surrounds the library. This should be followed by a vigorous treatment for termite with a minimum service warrantee of 1 year.

Pressure-wash the exterior surface of the library and repaint the surfaces in-kind with the approval of DPW and SHPO. The approximate area of exterior painting is 5700 square feet. The contractor shall prepare and pave an access way and parking area to the east side of the library. This area is the unpaved access ramp and area between the step of the library and the stone retaining wall located on the east side of the library. The area pavement shall be an asphalt pavement to a minimum thickness of 4 inches with an approximate area of 4500 square feet. In addition, the contractor shall paint and prepare a designated ADA parking spot to include signs near the end of the ADA ramp.