

National Park Service
Virgin Islands National Park | Caneel Bay
Structural Assessment Report



National Park Service
Virgin Islands National Park | Caneel Bay
Structural Assessment Report



National Park Service
Virgin Islands National Park | Caneel Bay
Structural Assessment Report



CANEEL BAY STRUCTURAL ASSESSMENT REPORT



APPENDIX A: CANEEL BAY MAPS

July 2025



Salomon Bay Rd

more Rd

CANEEL BAY STRUCTURAL ASSESSMENT REPORT



APPENDIX C: STRUCTURAL ASSESSMENT SUMMARY

July 2025

Structural Assessment Summary Virgin Islands National Park Caneel Bay

Location	Cultural Resource Report Historic District Building Number	Area	Construction Year	Structurally Sound	Potentially Repair or Rebuild	Structurally Unsound
Main Gate - North Shore Road Gate	88	Main Entrance	1963	X		
Welcome Center - Main Gate	88	Main Entrance			X	
Garden View Rooms 132-133	57	Garden View	1963	X		
Garden View Rooms 134-135	50	Garden View	1963	X		
Garden View Rooms 136-138	49	Garden View	1963		X	
Garden View Rooms 139-140	51	Garden View	1963	X		
Garden View Rooms 141-142	52	Garden View	1963		X	
Garden View (Courtside) Rooms 143-152	53	Garden View	1963		X	
Garden View Rooms 153-163	54	Garden View	1963		X	
Garden View Rooms 164-166	55	Garden View	1963	X		
Fitness Center	56	Garden View	1963	X		
Massage Center	71	Garden View	1966		X	
Tennis Pro Shop	92	Garden View	1966		X	
Managing Director's Guest House	58	Garden View		X		
Managing Director's House	59	Garden View				X
Garden View Bus Stop	N/A	Garden View		X		
Tennis Courts	N/A	Garden View	1953/1985			
Pool	N/A	Garden View	1986			
Main Building	22	Little Caneel Beach	1957		X	
Main Bldg Terrace (Top & Bottom)		Little Caneel Beach		X		
Gift Shop / Car Rental	23	Little Caneel Beach	1956	X		
Gift Shop Bus Stop	N/A	Little Caneel Beach		X		
Dive Shop	64	Little Caneel Beach	1963	X		
Caneel Beach Bar and Grill / Zozos Open Kitchen	98	Little Caneel Beach		X		
Zozos Laundry Prep Kitchen	N/A	Little Caneel Beach		X		
Zozos Comfort Station	N/A	Little Caneel Beach		X		
Zozos Storage Shed	N/A	Little Caneel Beach		X		
Zozos Generator Hut	N/A	Little Caneel Beach				X

Location	Cultural Resource Report Historic District Building Number	Area	Construction Year	Structurally Sound	Potentially Repair or Rebuild	Structurally Unsound
Concrete Shed behind Little CB on way to Honeymoon	N/A	Little Caneel Beach		X		
Phone Booth	N/A	Little Caneel Beach				X
Guard Shack	N/A	Little Caneel Beach		X		
Caneel Bay Beach - Rooms 14-17	69	Caneel Bay Beach	1969		X	
Caneel Bay Beach - Rooms 18-21	68	Caneel Bay Beach	1969			X
Caneel Bay Beach - Rooms 22-25	67	Caneel Bay Beach	1969			X
Caneel Bay Beach - Rooms 26-29	28	Caneel Bay Beach	1969	X		
Caneel Bay Beach - Rooms 30-35, 40-45	26	Caneel Bay Beach	1969	X		
Caneel Bay Beach - Rooms 36-39, 46-49	27	Caneel Bay Beach	1969	X		
Caneel Bay Beach Phone Booth	N/A	Caneel Bay Beach		X		
Cottage Point - Rooms 50-51	29	Cottage Point	1963		X	
Cottage Point - Rooms 52-53	30	Cottage Point	1963		X	
Cottage Point - Rooms 54-55	31	Cottage Point	1963			X
Cottage Point - Rooms 56-57	32	Cottage Point	1963			X
Cottage Point - Rooms 58-60	33	Cottage Point	1963		X	
Cottage Point - Rooms 61-63	34	Cottage Point	1963	X		
Cottage 7A	96	Paradise Beach	1962		X	
Cottage 7B-7F	36	Paradise Beach	1962		X	
Paradise Beach - Rooms 64-66	35	Paradise Beach	1963	X		
Scott Beach - Rooms 67-70	37	Scott Beach	1960		X	
Scott Beach - Rooms 71-74	38	Scott Beach	1960		X	
Scott Beach - Rooms 75-78	39	Scott Beach	1960		X	
Scott Beach - Rooms 79-82	40	Scott Beach	1960		X	
Scott Beach - Rooms 83-86	41	Scott Beach	1960		X	
Scott Beach Restroom	101	Scott Beach		X		
Turtle Bay Beach - Rooms 87-98	42	Turtle Bay Beach	1960		X	
Turtle Bay Bus Stop (ADJACENT 87-98)	N/A	Turtle Bay Estate Complex	1969	X		
Turtle Bay Stone Storage	N/A	Turtle Bay Estate Complex		X		
Turtle Bay Estate House- Rooms 101-102	44	Turtle Bay Estate Complex	1950		X	
Turtle Town Children's Center	45	Turtle Bay Estate Complex	1950	X		
Turtle Bay Estate Bus Stop	N/A	Turtle Bay Estate Complex		X		
Turtle Bay Estate House Dining Room	95	Turtle Bay Estate Complex			X	
Turtle Bay Estate House Veranda	95	Turtle Bay Estate Complex		X		
Turtle Bay Kitchen and Nail Salon	95	Turtle Bay Estate Complex			X	

Location	Cultural Resource Report Historic District Building Number	Area	Construction Year	Structurally Sound	Potentially Repair or Rebuild	Structurally Unsound
Turtle Bay Activity Room	95	Turtle Bay Estate Complex			X	
Turtle Bay Estate House - Rooms 99-100 and Multipurpose Room	99	Turtle Bay Estate Complex	1950		X	
Turtle Bay Storage Shed North	95	Turtle Bay Estate Complex		X		
Turtle Bay Storage Shed South	N/A	Turtle Bay Estate Complex				X
Hawksnest Beach Rooms 106-109,118-121	46	Hawksnest Beach	1967		X	
Hawksnest Beach Rooms 110-113,122-125	47	Hawksnest Beach	1967		X	
Hawksnest Beach Rooms 114-117,126-129	48	Hawksnest Beach	1967		X	
Hawksnest Beach Restroom	100	Hawksnest Beach		X		
Hawksnest Beach Bus Stop	N/A	Hawksnest Beach				X
Metal Quonsete Hut	8	Maintenance Area				X
Laundry Building	11	Maintenance Area	1966		X	
Ice Plant	12	Maintenance Area	1956			X
Electrical Complex 13A	13	Maintenance Area	1956	X		
Generator 13B	13	Maintenance Area	1956		X	
Electrical Distribution 13C	13	Maintenance Area	1956		X	
Uniform and Room Service Building	15	Maintenance Area	1956	X		
Housekeeping Building (HR2)	16	Maintenance Area	2000	X		
Housekeeping Bldg HR2 Pole Barn	N/A	Maintenance Area				X
Central Storage 17 East	17	Maintenance Area	1954	X		
Central Storage 17 West	17	Maintenance Area	1954		X	
Central Storage 17 Loading Dock	97	Maintenance Area	1954	X		
Employee Gym	60	Maintenance Area	1956	X		
Gift Shop Warehouse	77	Maintenance Area	1956			X
Facilities Office	78	Maintenance Area	1956	X		
Engineering Warehouse	79	Maintenance Area	1956	X		
Carpenter Shop	80	Maintenance Area	1956	X		
Staff Dining Facility	81	Maintenance Area	1956		X	
Security Office	82	Maintenance Area	1956			X
Staff Locker Rooms	83	Maintenance Area	1956		X	
Motor Pool	84	Maintenance Area	1956		X	
Engineering Storage	85	Maintenance Area	1956	X		
Employee Lounge	86	Maintenance Area	1956	X		
Carpenter Shop 2	90	Maintenance Area	1956			X
Human Resources	91	Maintenance Area	1956	X		

Location	Cultural Resource Report Historic District Building Number	Area	Construction Year	Structurally Sound	Potentially Repair or Rebuild	Structurally Unsound
Guard Shack	N/A	Maintenance Area		X		
Reverse Osmosis Plant - Pole Barn & Concrete Office	10	Reverse Osmosis	1962		X	
RO Storage Shed	N/A	Reverse Osmosis		X		
Filling Station & wood meter shed	N/A	Reverse Osmosis			X	
RO Guard Shack	N/A	Reverse Osmosis		X		
RO Pump House by Honeymoon Beach	N/A	Reverse Osmosis			X	
Concrete Water Storage	75	Reverse Osmosis			X	
			TOTAL	47	39	15

**VIRGIN ISLANDS NATIONAL PARK
Cruz Bay, St. John, U.S. Virgin Islands**

**CANEEL BAY
ADDITIONAL STRUCTURES
STRUCTURAL ASSESSMENT REPORT**



**NATIONAL PARK SERVICE (NPS)
SOUTH EAST REGION (SER)**

July 2025

Table of Contents

Table of Contents.....	2
Introduction.....	3
Building: 66 Original Manager’s Cottage	6
Building: Self Centre (M’Ocean Studio).....	8
Building: Pier (May 2024).....	12
Building: Cottages 1-4 (May 2024).....	19
Building: Cottages 5-6, 8-13 (May 2024).....	23
Appendix A: Structural Assessment Summary.....	34

National Park Service

Virgin Islands National Park | Caneel Bay

Structural Assessment Categories

As part of the Structural Evaluation each structure was assigned one of the following categories:

- **Structurally Sound**

Structures designated **Structurally Sound** are buildings where the main structural systems (bearing walls, columns, beams, roof framing systems, etc) are in generally good condition and require minimal structural renovations to be useable again.

National Park Service

Virgin Islands National Park | Caneel Bay

- **Rehabilitate**

Structures designated **Rehabilitate** are buildings where the main structural systems require repairs or rebuilding of select elements to make the building structurally sound. The structures have sufficient structural elements in acceptable condition that repairs of the structures seems possible and reasonable.

- **Structurally Unsound**

Structures designated **Structurally Unsound** are buildings where the main structural systems are severely compromised. While repairing the structure may be possible, the repair to the structure is so significant that demolition should be considered and evaluated.

The Structural Assessment Categories are evaluations based on the visual assessment methodology outlined above. These categories reflect the observable structural condition at the time of assessment; however, further investigation may provide additional information that would change the category. It is important to note that these assessments do not account for the historical significance of any structure or its potential suitability for specific redevelopment uses. The categories are not intended as recommendations for preservation, repair, or demolition, but rather as a technical assessment of structural condition. Final decisions regarding the future of each structure should be made by the National Park Service (NPS), taking into account costs, redevelopment needs, regulatory considerations, and broader project goals.

Building: 66 Original Manager's Cottage

Structural Assessment: Structurally Unsound

Primary Occupancy: Dwelling

Number of Stories: 1

Number of Residential Units: 1

Type: Stand Alone

Component	Material	Notes
Floor	Concrete	
Walls (Structural)	Wood	Exterior walls are wood framed with wood lintels over windows / doors and wood posts. Wood showed significant signs of water and insect damage throughout the building.
Walls (Non-Structural)	Concrete / Wood	Concrete walls at interior of building were non-load bearing.
Roof	Wood Framed / Wood Shingles	Wood rafters and roof sheathing was significantly deteriorated with rot, insect damage, cracks, and rotation. Roof is partially missing on west side.
Sidewalks	Concrete	

National Park Service
Virgin Islands National Park | Caneel Bay



National Park Service

Virgin Islands National Park | Caneel Bay

Building: Self Centre (M’Ocean Studio)

Structural Assessment: Structurally Sound

Primary Occupancy: Commercial / Wellness Center

Number of Stories: 1

Number of Residential Units: 0

Type: Stand Alone

Component	Material	Notes
Floor	Concrete Slab on Steel Bar Joists	Corrosion on steel joists.
Walls (Structural)	Wood framed	
Walls (Non-Structural)	N/A	
Roof		
Stairs/Railings		
Sidewalk	Concrete	The concrete at the south exit between the main structure and the accessory structure

National Park Service
Virgin Islands National Park | Caneel Bay





National Park Service
Virgin Islands National Park | Caneel Bay



Building: Pier (May 2024)

Structural Assessment: Structurally Unsound

Primary Occupancy: Commercial Pier

Number of Stories: 1

Number of Residential Units: 0

Type: Stand Alone

Component	Material	Notes
Deck	Precast Plank with Concrete Topping Slab	Topping slab delaminated in some locations. Precast planks severely corroded on underside.
Structure	Concrete Beams	Some delamination and corroded rebar.
Piles	Concrete Piles	Further evaluation required.

National Park Service

Virgin Islands National Park | Caneel Bay



Image is the property of the Caneel Bay Resort.

2. Pier Construction

The pier is constructed with concrete piles and precast concrete plank. Concrete beams are placed at each set of piles, where the pier turns 90 degrees, and at the change in pier elevation. A thin concrete topping slab was placed on top of the planks. The planks are reinforced with epoxy coated rebar. Epoxy coating was not used until 1973 at the earliest, so it is clear that the current planks on the pier are not original to the initial Caneel Bay Resort construction.

National Park Service

Virgin Islands National Park | Caneel Bay



A steel Caneel Bay sign is mounted near the end of the pier. Wooden rails are mounted at the perimeter of the pier in line with the concrete and extending slightly below the planks.

3. Methodology

The structural assessment consisted of visual observation of exposed members from the pier, from the water, and using snorkeling gear. No demolition or testing was performed.

4. Structural Findings

a. Piles

The piles below the surface of the water are covered in organic growth including algae, barnacles, sea urchins, etc. The surface of the piles appears to be uneven and bumpy and to have some sort of coating surrounding the piles. No exposed rebar or rust jacking was observed at the piles.

A marine engineer should be engaged to thoroughly evaluate the condition of the piles and their suitability for reuse with a repaired pier.

b. Concrete Beams

Concrete beams occur at the pile locations where they are supported by a minimum of two piles. The concrete beams appear to have been cast in place. The ends of the concrete planks are supported on the concrete beams. Generally the beams appeared to be in good condition. One beam had a delaminated section of concrete caused by rust jacking.

National Park Service

Virgin Islands National Park | Caneel Bay

c. Concrete Plank

The topping slab on the planks is cracked and not bonded to the planks in some locations. The planks appear to be in generally good condition when viewed from the pier. However, inspection from the underside shows there is some significant damage to the underside of the planks. The concrete planks of the first full bay are in the worst condition. The bottom concrete has completely spalled off, the epoxy coating on most of the exposed rebar is completely gone and the rebar is severely corroded. The next bay of planks shows signs of delaminated concrete and rusting rebar but is less severe than the first bay. Conditions for the remainder of the pier range from good condition to severely corroded.



National Park Service

Virgin Islands National Park | Caneel Bay



d. Sign

The dock supports a metal sign supported on a curved pipe post. The post base plate is surface mounted with post-installed anchors to the deck top. The post also supports a ZoZo's sign for the nearby restaurant. The steel base plate of the sign is significantly rusted.

National Park Service
Virgin Islands National Park | Caneel Bay



National Park Service

Virgin Islands National Park | Caneel Bay

Building: Cottages 1-4 (May 2024)

Structural Assessment: Structurally Sound

Primary Occupancy: Dwelling

Number of Stories: 1

Number of Residential Units: 4

Type: Attached

Component	Material	Notes
Floor	Concrete	
Walls (Structural)	Stone / Concrete	
Walls (Non-Structural)	Wood	
Roof	Concrete	
Stairs/Railings	Concrete Stairs / Wood Railings	Rotten or collapsed.

National Park Service

Virgin Islands National Park | Caneel Bay



1. Introduction

Cottages 1-4 are on the south side of Caneel Bay. There are two separate buildings with one building housing cottages 1 and 2 and the other housing cottages 3 and 4. Each unit is approximately 594 square feet of interior living space and 197 square feet of exterior patio. Each unit has the main entrance on the south side of the building and another exterior door onto the patio on the beach side. Each cottage has a bathroom and a built-in wardrobe.

2. Building Construction

The buildings are constructed with stone masonry foundation walls and concrete slabs on grade. Load bearing concrete walls run north and south at the exterior walls and center partition dividing the connected units. There are also concrete bearing walls for the center portion of the south exterior wall. The center wall and south wall are both full height while the other exterior walls stop below the upper windows and have short steel pipe posts supported on the top of the wall. The posts extend up and support dropped concrete beams which run east west. The roof slab is poured concrete. The slab cantilevers of the north wall to create a partially covered porch. The exterior porch is a cantilevered concrete slab with a wood railing and built in seats running the perimeter of the porch. The north wall and portion of the south wall are not load bearing and consist of wood framed windows with single pane glass, louvered walls, and egress doors.

3. Methodology

National Park Service

Virgin Islands National Park | Caneel Bay

The structural assessment consisted of visual observation of exposed members from ground level. The roof was not accessed. No demolition or testing was performed.

4. **Structural Findings**

a. **Roof Framing System**

The concrete beams and roof slab appeared to be in generally good condition.

b. **Bearing Walls and Posts**

The bearing walls and posts appear to be in generally good condition

c. **Non-Load Bearing Walls**

The wood framing walls appear to be in generally acceptable condition. They are non-load bearing and consist of wood framed glass and louvered walls with egress doors.

d. **Floor Slab**

Both the concrete floor slab on grade and cantilevered slab appear to be in good condition and do not show signs of cracking.

e. **Building Envelope**

i. **Roofing Material**

The exact age and type of the existing roof coating material is unknown. Based on existing documentation the roof is thought the roofing is a waterproof elastomeric paint system with approximately a 10-year life span. A full roof inspection should be conducted to determine the exact condition and type of the roofing system and timeline for replacement.

ii. **Walls**

The exterior concrete walls are either exposed concrete or covered with a painted wood paneling. The walls are in generally good condition with localized paint spalling. The non-bearing wood walls show more signs of paint peeling. While the damage is currently limited.

National Park Service

Virgin Islands National Park | Caneel Bay

f. Porch Railings and Benches

The existing wooden railings and benches on the porch are in poor condition and large sections are either rotten or collapsed. The sections of railing that remain do not meet current building code standards and are both too short and have unsafe gaps that create a fall hazard.

5. Summary

Cottages 1-4 are in generally good structural condition. Standard maintenance including painting and roofing have been neglected and need to be addressed.

National Park Service

Virgin Islands National Park | Caneel Bay

Building: Cottages 5-6, 8-13 (May 2024)

Structural Assessment: Rehabilitate 5-6, 8-12

Primary Occupancy: Dwelling

Number of Stories: 1

Number of Residential Units: 8

Type: Attached

Component	Material	Notes
Floor	Concrete	
Walls (Structural)	Stone / Concrete	Water intrusion through wall, especially where retaining soil.
Walls (Non-Structural)	Wood	Walls in poor condition ranging from termite damage to completely collapsed.
Roof	Concrete	Standing water on top of roof. Signs of water damage at interior. Spalled concrete observed in some rooms.
Stairs/Railings	Aluminum	Damaged near units 12 and 13.



1. Introduction

Cottages 5-13 are on the south side of Caneel Bay. There are two separate buildings with one building housing cottages 5, 6, 8, 9, and 10. The other building contains cottages 12 and 13 and a small storage room. (Note number 7 was skipped in the numbering sequence.) Each cottage is accessed from an upper walkway on the south side with stairs leading down through a private, covered, exterior breeze way. At the bottom of the stairs there is a private, partially covered exterior patio and entrance into the units. The patios on the south side overlook Caneel Bay and have a railing and concrete steps down to the beach. The approximate cottage area is broken down in the table below.

Cottage Number	Interior Area (ft ²)	Patio Area (ft ²)
5, 6, 8, 9	543	219
10, 11	711	219
12	711	622
13	389	166

A small storage closet/electrical room is attached to cottage 13.

2. Building Construction

National Park Service

Virgin Islands National Park | Caneel Bay

The buildings are constructed with stone masonry and concrete foundation walls. Load bearing concrete and stone masonry walls run north and south at the exterior walls and center partition dividing the connected units. The concrete and stone masonry foundation walls on the south side extends above the interior slab and serves as a retaining wall for the hillside soil. There are also stone masonry walls with concrete caps separating the breeze ways between units. These breeze way walls do not support the main roof structure but do support the partial lower roofs over the patios. The north walls and portion of the return walls at the patio are non-load bearing wood and consist of wood framed windows with single pane glass, louvered walls, and egress doors.



Figure 1 - Breezeway Stair to Cottage Entrance

The units have flat roofs with stepped sections at the breeze ways. The roofs are supported at the concrete and stone masonry walls that run north and south. Where there are non load bearing walls, there are steel posts that support the roof. The north edge of the roof cantilevers out beyond the bearing walls.



Figure 2 - Failed Return Wall



Figure 3 - Exterior Cottage View with Labels

National Park Service

Virgin Islands National Park | Caneel Bay

The interior and exterior floors are slab on grade or suspended concrete slab. The interior slab on grade is polished slab. The exterior slab has smooth concrete and exposed aggregate concrete creating a grid pattern. Aluminum tube railings run along the north edge of the patio. The stone masonry wall dividing the two areaways has communicating doors between adjacent patios. The doors are wood framed with steel hardware.



Figure 4 – Patio Communicating Door

3. Methodology

The structural assessment consisted of visual observation of exposed members from ground level. The roof was not accessed. No demolition or testing was performed.

4. Structural Findings

a. Roof Structure

The concrete roof slab appeared to be in generally good condition. Minor spalls were noted at the underside of the slab at former post connections. See table below for locations.

The roof was not accessible for examination. The exact age and type of the existing roof coating material is unknown. Based on existing documentation the roof is thought to have waterproof elastomeric paint system with approximately a 10 year life span. Standing water on some roofs indicate clogged drains. Water damage on the interior ceiling finishes indicate the roof system is failing in some locations.



Figure 5 – Flat Roof over Breezeway Stairs

Cottage #	Observations
5	<ul style="list-style-type: none"> a. Standing water on roof. b. Ceiling with water damage to interior plaster finishes.
6	<ul style="list-style-type: none"> a. Standing water on roof. b. Water damage noted by interior ocean side ceiling.
8	<ul style="list-style-type: none"> a. Standing water on roof. b. Damaged noted at underside of concrete slab where former gate post at top of breezeway stairs was removed.
9	<ul style="list-style-type: none"> a. Standing water on roof. b. Damaged noted at underside of concrete slab where former gate post at top of breezeway

National Park Service

Virgin Islands National Park | Caneel Bay

	stairs was removed.
10	a. Standing water on roof. b. Damaged noted at underside of concrete slab where former gate post at top of breezeway stairs was removed.
11	a. Standing water on roof. b. Unfinished drywall on ceiling. c. Damaged noted at underside of concrete slab where former gate post at top of breezeway stairs was removed.
12	a. Standing water on roof.
13	a. Standing water on roof.

b. Bearing and Retaining Walls

The bearing walls and posts appear to be in generally good condition.

Cottage #	Observations
5	Water intrusion noted along south concrete/stone masonry retaining wall. Damage to plaster and paint observed.
6	Water intrusion noted along south concrete/stone masonry retaining wall. Damage to plaster and paint observed.
8	Water intrusion noted along south concrete/stone masonry retaining wall. Damage to plaster and paint observed.
9	Water intrusion noted along south concrete/stone masonry retaining wall. Damage to plaster and paint observed.
10	Water intrusion noted along south concrete/stone masonry retaining wall. Damage to plaster and paint observed.
11	Water intrusion noted along south concrete/stone masonry retaining wall. Damage to plaster and paint observed.
12	Did not observe water intrusion at south wall.
13	Did not observe water intrusion at south wall.

c. Posts

The steel posts appear to be in generally good condition.

d. **Non-Load Bearing
Walls**



Figure 3 – Exterior Cottage View with Labels

The wood exterior framing walls are non-load bearing. The north facing walls consist of wood framed glass, and louvered walls. The return walls consist of the entrance door and wood framed glass and louvered walls. The wood framing of the return walls show signs or significant damage including complete failure and extensive insect damage. The condition of these walls is important for maintaining the building envelope system.



Figure 6 – North Facing Non-Load Bearing Walls



Figure 7 - Return Wall in Poor Condition



Figure 8 - Failed Return Wall

Cottage #	Observations
5	Rotten sill plate on return wall, rotted mullion by door, louver repair, 1 broken windowpane. North facing window wall in good condition.
6	Return wall has collapsed. North facing window wall in good condition.
8	Rotten sill plate on return wall, rotted mullion by door. North facing window wall in good condition.
9	Rotten sill plate on return wall, rotted mullion North facing window wall in good condition.
10	Rotten sill plate on return wall, rotted mullions. North facing window wall in good condition.

National Park Service

Virgin Islands National Park | Caneel Bay

Cottage #	Observations
11	Rotten sill plate on return wall, rotted mullions. North facing window wall in good condition.
12	Rotten sill plate on return wall. Return wall moves and is not stable North facing window wall in good condition.
13	Rotten sill plate on return wall, rotted mullions. North facing window wall in good condition.

e. Concrete Floor Slab and Concrete Stairs

Both the concrete floor slab on grade and cantilevered slab appear to be in good condition and do not show signs of cracking. Damaged breezeway stairs and accessible beach stairs are noted below. Not all stairs to beach were accessible for investigation due to excessive vegetation.

Cottage #	Observations
5	Stairs in breezeway are locally spalling Stairs down to beach are spalling on the underside.
6	Stairs in breezeway are locally spalling
8	Stairs in breezeway are in good condition.
9	Stairs in breezeway are locally spalling
10	Stairs in breezeway are in good condition.
11	Stairs in breezeway are in good condition.
12	N/A
13	N/A

f. Porch Railings

The existing aluminum guard railings at cottages 5-11 are in generally good condition however do not meet IBC code requirements for railing protection. The height is too low and the gaps are too large. The existing metal guard railings at cottages 12-13 are at the correct height but have too large openings and are not in good condition. There is a dented section and sections that have been completely rusted through.

National Park Service

Virgin Islands National Park | Caneel Bay

5. Summary

Cottages 5-13 are in generally good structural condition, however the building envelope is not secure. The non-structural return walls as indicated above are in poor condition or have completely failed. Standard maintenance including painting and roofing have been neglected which has led to interior damage of finishes.

National Park Service

Virgin Islands National Park | Caneel Bay

Park Retained Structures Structural Assessment Report

CANEEL BAY STRUCTURAL ASSESSMENT REPORT



Appendix A: Structural Assessment Summary

July 2025

Structural Assessment Summary Virgin Islands National Park Caneel Bay

Location	Cultural Resource Report Historic District Building Number	Area	Construction Year	Structurally Sound	Potentially Repair or Rebuild	Structurally Unsound
Little Caneel Beach - Rooms 1-2	19	Little Caneel Beach	1969	X		
Little Caneel Beach - Rooms 3-4	18	Little Caneel Beach	1969	X		
Self Centre		Honeymoon Beach		X		
Little Caneel Beach - Rooms 5-6,8-12	20	Little Caneel Beach	1957		X	
Little Caneel Beach Room 13	21	Little Caneel Beach	1957	X		
Original Managers Cottage (behind Ruins)	66	Garden View	1961			X
Caneel Bay Pier / Main Dock	61	Little Caneel Beach				X
			Total	4	1	2