

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX**

**MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)**

**BUILDING AND EQUIPMENT (DHS)**

**TOWER REPLACEMENT (DOH)**

**Submittal to:**

USVI Department of Planning and Natural Resources  
Division of Coastal Zone Management  
Director Marlon Hibbert

Attn: Joy Santoli, Program Analyst

**Prepared for:**

Department of Health  
Justa E. Encarnacion, Commissioner

4006 Estate Diamond  
Christiansted, St. Croix 00820

Department of Human Services  
Averil George, Commissioner

3012 Golden Rock  
Christiansted, St. Croix 00820

**Prepared by:**

Springline Architects, LLC  
Gilbert Laban, RA, Principal  
Jerry Traino, AIA, Principal  
Kristy Bardwell, RA, Project Manager

9713 Estate Thomas, Building 1, Suite 200  
St. Thomas, USVI 00802

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

**TABLE OF CONTENTS**

- I. LETTER SUMMARY**
- II. LOCATION OF PROJECT**
- III. PROJECT OBJECTIVES**
- IV. PROJECT DESCRIPTION**
  - Summary of Proposed Activity**
  - a. Site Work/Provisions to Limit Soil Disturbance**
  - b. Method of Construction**
  - c. Self-sufficient Systems**
  - d. Renewables and Sustainability**
  - e. Provisions to Limit Community Impacts**
- V. COASTAL ZONE POLICIES**
  - a. Regulatory Framework**
  - b. Project Introduction**
  - c. Coastal Zone Policies**
- VI. ATTACHMENTS**
  - A. CONSISTENCY WITH OTHER REGULATIONS AND AGENCIES**
  - B. MITIGATION PLANS**
  - C. CD DRAWINGS (30%), REPORTS, PLANS, AND SURVEYS**
  - D. AGENCY APPROVALS**
  - E. PHOTOGRAPHS**

April 23, 2026

Marlon Hibbert, Director  
Department of Planning and Natural Resources, Division of Coastal Zone Management  
4611 Tutu Park Mall  
Suite 300, 2nd Floor St.  
Thomas, VI 00802

**Re: Federal Consistency Application, Knud Hansen Complex, ODR TASK #2020-03, ODR TASK #010-9-101918, ODR TASK #010-8-101472**

Dear Director Hibbert,

On behalf of the Virgin Islands Department of Health (VIDOH) and the Department of Human Services (VIDHS), Springline respectfully submits the Federal Consistency Application documentation for the Knud Hansen Complex.

The legal description of the project site is Estate Hospital Ground, Kings Quarter, St. Thomas.

The work proposed under the referenced task orders includes:

1. Demolition of the Old Mental Health Building and associated parking area, including utilities
2. Demolition of the Knud Hansen Building, Generator, and Generator Storage Building, and construction of a new four-story office building, and concrete parking deck and surface parking
3. Demolition of the DOH Knud Hansen Tower Building, 1-story DOH Building, and existing cistern, and a tenant upfit of a DOH clinic on the 2nd floor of the newly constructed four-story office building

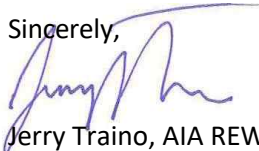
Three existing buildings will remain: 1) DOH WIC; 2) Historic Building 1; 3) Historic Building 2.

The long-term objective is to create a unified health and human services campus by consolidating divisions, including the newly constructed WIC facility and programs currently located at the John S. Moorehead Complex, into a single, modern structure that will replace the outdated facilities on-site.

Design documents have progressed to 30% Construction Documents (CDs), 60% Demolition Documents.

Enclosed is the Federal Consistency Application package, prepared in accordance with the Coastal Zone Management Act (CZMA) Section 307 of 1972 and 15 CFR Part 930, Subpart D. VIDOH and VIDHS, through this submission, affirms consistency with the applicable policies of the Virgin Islands Coastal Zone Management Act of 1978, 12 V.I.C. § 901 et seq.

Sincerely,



Jerry Traino, AIA REWC

Principal

NOVUS / SPRINGLINE ARCHITECTS INC

**NOVUSARCHITECTS.COM**

ASHEVILLE | ATLANTA | CHARLESTON | CHARLOTTE | ROCKY MOUNT | ST. THOMAS

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX**

**MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)**

**BUILDING AND EQUIPMENT (DHS)**

**TOWER REPLACEMENT (DOH)**

**II. LOCATION OF PROJECT**

**General Location Map**

### KNUD HANSEN COMPLEX - General Location Map



**MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT**

US Virgin Islands makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 06/2018  
Data updated 06/2018

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.

● 1303 Hospital Ground, Hospital Kings Quarter, St. Thomas

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

**II. LOCATION OF PROJECT**

**Project Area Map/Project Latitude: 18.345318 and Longitude: -64.926076**

**Legal Description: Estate Hospital Ground, Kings Quarter, St. Thomas**

### KNUD HANSEN COMPLEX - Project Area Map



**MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT**

US Virgin Islands makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 06/2018  
Data updated 06/2018

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.



Project Location

1" = 800 ft

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX**

**MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)**

**BUILDING AND EQUIPMENT (DHS)**

**TOWER REPLACEMENT (DOH)**

**II. LOCATION OF PROJECT**

**Project Area Map - Estates**

### KNUD HANSEN COMPLEX- Project Area Map - Estates



**MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT**

US Virgin Islands makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 06/2018  
Data updated 06/2018

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.

-  Project Location
-  Estate Hospital Ground

1" = 800 ft

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX**

**MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)**

**BUILDING AND EQUIPMENT (DHS)**

**TOWER REPLACEMENT (DOH)**

**II. LOCATION OF PROJECT**

**Topographic Survey**



**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03  
ODR TASK #010-9-101918  
ODR TASK #010-8-101472  
US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

**III. PROJECT OBJECTIVES**

In accordance with

- 1) FEMA PW-4340-1072-USVI / GM# 101440 (PA), ODR Task Order #2020-03;
- 2) FEMA PW-4340-1361-USVI / GM# 101918 (PA), ODR Task Order #010-9-101918; and
- 3) FEMA PW-4340-1362-USVI / GM# 101472 (PA), ODR Task Order #010-8-101472,

the Virgin Islands Department of Health (VI DOH) and Department of Human Services (VI DHS) are proposing to:

- 1) Demolish the Old Mental Health Building and associated parking area, including utilities
- 2) Demolish the Knud Hansen Building, Generator, and Generator Storage Building, construct a new four-story office building, and concrete parking deck and surface parking
- 3) Demolish the DOH Knud Hansen Tower Building, 1-story DOH Building, and existing cistern, and construct a tenant upfit for a DOH clinic on the 2<sup>nd</sup> floor of the newly constructed four-story office building

The Knud Hansen complex, controlled by the Department of Human Services (DHS) and Department of Health (DOH), suffered severe damage during the 2017 hurricane and a portion of it remains unoccupied.

Three existing buildings will remain: 1) DOH WIC; 2) Historic Building 1; 3) Historic Building 2.

The proposed 3-story Old Mental Health building and parking area demolition will allow for construction of new surface parking with stalls (See Civil Site Plan) under ODR Task Order #010-9-101918. The area to be stabilized, cleared and graded, will require excavation of the previously disturbed area to remove construction debris and demolished building foundation. A new underground stormwater retention system will be constructed in the footprint of the previous basement cistern.

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03  
ODR TASK #010-9-101918  
ODR TASK #010-8-101472  
US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

The proposed 30,000 sf, 3-story Knud Hansen Building demolition will also include all building utilities down to soil, sidewalks, stairs and ramps, and existing generator. The new 76,497 sf building will be equipped with two chillers, one generator, a fire cistern, new utilities, a concrete parking deck and on-grade surface parking.

The new DOH clinic, will be located on the 2<sup>nd</sup> floor of the newly constructed 4-story building and will include exam rooms, offices, infectious disease isolation rooms, utility spaces, and a break and conference room.

The Knud Hansen Complex and the John S. Moorehead Complex – Old Hospital Yard are located on Parcel 2 Estate Hospital Ground, Kings Quarter, Charlotte Amalie, St. Thomas, USVI 00802. VISHPO concurred with 1) the proposed undertaking to demolish the Old Mental Health Building and 2) FEMA’s determination that the project will result in “no historic properties affected with conditions” on September 14, 2020. FEMA concluded their determination on September 1, 2020. The list of project conditions, the FEMA Section 106 Consultation, and VISHPO Concurrence, can be found in Attachment A.

Knud Hansen Complex funding includes:

Old Mental Health Building – VIDOH – FEMA-PA  
Building and Equipment - VIDHS – FEMA-PA  
Tower Replacement – VIDOH – FEMA-PA

With the above funded projects, the ultimate goal for the community is to create a unified campus incorporating all health and human services divisions, including the newly built WIC facility and those located at the John S. Moorehead complex, through future construction of a single building to replace the three existing structures – Knud Hansen Complex Building, Tower, and Old Mental Health Building. See Attachment C. Master Plan. Pedestrian access, green spaces, vehicular movement, and parking will also be designed in a broader, shared style.

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

Demolition of the Old Mental Health building is the first step toward combining the Department of Health (DOH) and the Department of Human Services (DHS) within a single building on one site. DOH will focus on public health and healthcare services, while DHS addresses social services and welfare programs.

By co-locating in one facility, on a previously developed parcel, DOH and DHS can streamline services for shared clientele, eliminating the need for clients to visit separate locations to address their needs. Additionally, consolidating infrastructure resources like cisterns, fire sprinkler pumps, emergency generators, battery backups, and power conditioning equipment can lead to cost savings and streamlined maintenance. Centralizing utility services into one utility court reduces redundancy and enhances operational effectiveness.

All demolition activities will adhere to local permitting requirements and regulations. Hazmat testing, which is mandatory prior to demolition, has already been started for the Tower and Old Mental Health Building.

Underground utilities investigation and documentation, Environmental Assessment, and Letter from the Department of Agriculture for tree removal are to be completed but are not yet started. A Temporary Utilities Plan, Stormwater Protection Plan, Hazardous Materials Abatement Plan, and Historic Structures stabilization plan will be prepared prior to permit and construction.

#### **IV. PROJECT DESCRIPTION**

##### **Summary of Proposed Activity**

According to the FEMA EHP Letter dated 9/1/202, from V. Corbiere to Sean Krigger, VI SHPO, the Knud-Hansen Center (including the Tower) and the Mental Health Building “are both non-descript examples of post-WWII hospital building. With subsequent additions and changes in materials, neither building possesses character defining features unique building style, period,

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

or method of construction. The buildings are not the work of a master, do not display high artistic values and do not appear to be individually associated with an event or person significant in our past. Therefore, FEMA has determined that the Knud-Hansen Memorial Hospital and Mental Health Building are not eligible for listing in the National Register of Historic Places.”

The project will include demolition of:

- Old Mental Health Building and contiguous 50,000 sf parking area
- Knud-Hansen Center
- Generator building (with associated retaining wall)
- Tower
- 1-story DOH building
- All building utilities

The site will be cleared down to soil and debris hauled for proper disposal. Trees will be protected during demolition. All utilities to remain, including potable water and sanitary sewer services, will be capped. All existing, adjacent sidewalks, stairs, ramps, and railings will be demolished to grade.

The 3-story Old Mental Health Building contains a lower level comprised predominantly of cisterns, but also houses electrical and other support equipment.

The new 4-story office building will be constructed on previously disturbed land. The proposed building structure will be concrete and steel with impact-resistant glazing, membrane roof, and three elevators. The proposed cistern capacity solely for fire system use is 115,268 gallons.

New on-site surface parking, parking stalls, curb and sidewalk are proposed. Other new site improvements such as retaining wall, lighting, and trash enclosure/compactor are also proposed.

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

- Installation of asphalt over the approximate 50,000 sf parking area per Civil Specifications
- Striping of the parking area in a manner that maximizes available parking spaces and inclusion of handicap parking per Section 504 of the Rehabilitation Act of 1973
- Installation of required parking signage

The site is currently connected to public utilities and will remain connected under the proposed development with new utility connections for water and electric (WAPA) and sanitary (WMA) are proposed. New potable water, sanitary sewer gravity, and fire water pipes are proposed. Stormwater piping and inlets are proposed on- and off-site to collect stormwater from surface parking areas, building roof, cistern overflow, and the lower and upper parking decks areas.

A new concrete parking deck is proposed adjacent/connected to the 4-story office building. This total building square footage (concrete deck and building) is 119,565 sf.

The total new surface and parking deck on-site spaces provided is 282 (total includes ADA parking). Four (4) off-street loading spaces are also provided.

**a. Site Work/Provisions to Limit Soil Disturbance**

The demolition strategy and expectations shall be outlined and included in the demolition permit submittal and coordinated between the owner, general contractor, and AHJ.

These are a few possible contractor-provided dust and mud runoff controls:

- Dust control
  - Regularly watering the excavation site to dampen surfaces
  - Barriers around excavation site to reduce wind
- Mud runoff control
  - Aggregate stone at entrances (if needed)

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE  
ODR TASK #2020-03  
ODR TASK #010-9-101918  
ODR TASK #010-8-101472  
US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

**Typical Example of On-Site Dust Control during Demolition and Construction**

Options the General Contractor could consider and employ for on-site dust control during demolition and construction if deemed suitable and effective.



Trackout Control Mat



Point of Use Mistlers



Blanketing Misting Blowers



Watering Jets



Watering Trailers



Watering Trucks

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

- Rumble racks at site entrance
- Wash down vehicles before exiting the jobsite
- Daily washdown of construction site entrance and adjacent street

The General Contractor will be responsible for maintenance and inspection of the gravel driveway and location and maintenance of equipment staging yards.

Existing building potable water, sanitary sewer utilities, and other utilities will be field located and capped as required. The general contractor will coordinate and permit this work. Utility demolition will be coordinated with St. Thomas Water and Power Authority (WAPA) and Waste Management Authority (WMA) prior to construction. Contractor to use methods to demolish existing sewer pipe located below the building foundation and ensure continuation of flow throughout construction.

Other items to be demolished include sidewalks, stairs, ramps, and railings, cistern, vegetation and trees, perimeter fencing and gates, and power poles. Anything of historic significance will be preserved.

Site will be secured prior to any demolition activities with an 8-foot tall chain link fence with integrated wind and visual barrier.

**b. Method of Construction**

The contractor will fill void left from building demolition with appropriate fill and compaction with cut and fill. (See Civil Plans – Erosion Control Plan, C0.90).

**c. Self-sufficient Systems – Water**

The site functions on existing water systems – public and cistern water supply. The existing cistern in the Old Mental Health Building will be demolished. The existing site potable water and sanitary sewer lines will remain and new piping/piping connections and new lines will be installed with new construction.

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03  
ODR TASK #010-9-101918  
ODR TASK #010-8-101472  
US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

**d. Renewables and Sustainability**

**On-site renewables**

The site is currently, and will remain, connected to the electric grid. During demolition, the contractor will maintain temporary power to the site and coordinate with the Owner and Utility.

**e. Provisions to Limit Community Impacts**

The existing land use adjacent to the Knud Hansen Complex is public recreation, multi-family senior housing, multi-family housing, and public buildings/services. The site is surrounded by developed land. The nearest residential building (Bethlehem House for the Homeless) from the Old Mental Health Building is located approximately 90 feet to the east, separated by parking and a driveway. The distance of this residential housing to the project site's lot line is approximately 5 feet. Construction will be approximately 21 feet from the existing historic John S. Moorehead buildings.

Repair and maintenance work will take place during the day between normal working hours of 7:30 AM to 4:00 PM.

All standard provisions for construction vehicle traffic and tracking will be in place prior to start of construction.

The contractor will implement the following measures to reduce noise and community impacts and promote safety:

- Noise mitigation
  - No noise emitting work affecting the surrounding community shall be performed during designated quiet hours
  - Position noise emitting equipment away from site perimeter when possible
  - Avoid using pneumatic tools when possible
  - Install sound reduction kits on heavy machinery when possible

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX**

**MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)**

**BUILDING AND EQUIPMENT (DHS)**

**TOWER REPLACEMENT (DOH)**

- **Community Outreach**
  - Formally notify community leaders ahead of construction activities and impacts to the community (street closures, rigging, large deliveries, etc.)
  - Post advisories near and around affected areas notifying community of upcoming work
- **Safety**
  - Contractor will submit a specific site safety plan and Job Hazard Analysis prior to construction
  - Daily safety toolbox meetings
  - All deliveries and activities outside the construction perimeter will be accompanied by designated flagmen to safeguard pedestrians and vehicular traffic
  - Safety permitter will be established when active construction work is required outside the construction site to safeguard pedestrians and vehicular traffic

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

**V. COASTAL CONSISTENCY WITH COASTAL ZONE POLICIES**

**a. Regulatory Framework**

This document provides the US Virgin Islands with the Virgin Islands Department of Health (VIDOH) and Department of Human Services (VIDHS) consistency determination, data, and information required under the Coastal Zone Management Act (CZMA) Section 307 of 1972 and 15 CFR Part 930, sub-part D, for the Knud Hansen Complex damaged during the 2017 hurricane.

In accordance with the CZMA, VIDOH and VIDHS is demonstrating consistency with the US Virgin Islands Policies (USVI) of the most recent Virgin Islands Coastal Zone Management Act of 1978, 12 V.I.C § 901. VIDOH is requesting the US VI Department of Planning and Natural Resources' (DPNR) acknowledgement and concurrence with this consistency determination.

**b. Project Introduction**

The VIDOH/VIDHS Knud Hansen Complex is located on the island of St. Thomas, Estate Hospital Ground, Kings Quarter, Latitude 18.345318, Longitude -64.926076. The site is not located in the Tier 1 coastal zone. The site is located in Flood Hazard Zone X.

The following FEMA scope of work is in response to damage caused to the Knud Hansen Complex during the 2017 hurricane:

- 1) Demolish the Old Mental Health Building and associated parking area, including utilities
- 2) Demolish the Knud Hansen Building, Generator, and Generator Storage Building, construct a new four-story office building, and concrete parking deck and surface parking
- 3) Demolish the DOH Knud Hansen Tower Building, 1-story DOH Building, and existing cistern, and construct a tenant upfit for a DOH clinic on the 2<sup>nd</sup> floor of the newly constructed four-story office building.

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

The ultimate goal for the community is to create a unified campus incorporating all health and human services divisions, including the newly built WIC facility and those located at the John S. Moorehead complex, through future construction of a single building to replace the three existing structures – Knud Hansen Complex Building, Tower, and Old Mental Health Building.

**c. Coastal Zone Policies:**

The following eleven policies are set forth in the Virgin Islands Code Title Twelve Conservation, Chapter 21 § 903 (b).

**POLICY (1) protect, maintain, preserve and, where feasible, enhance and restore, the overall quality of the environment in the coastal zone, the natural and man-made resources therein, and the scenic and historic resources of the coastal zone for the benefit of residents of and visitors of the United States Virgin Islands;**

The project site is not located in the Tier 1 coastal zone. However, the proposed construction work will be conducted within the regulatory framework of all required, applicable permits. During construction site operations will be carried out with minimal impact to the environment and in conformance with best management practices. The developed project site will be redeveloped and conditions are in place to protect existing historic resources.

**POLICY (2) promote economic development and growth in the coastal zone and consider the need for development of greater than territorial concern by managing: (1) the impacts of human activity and (2) the use and development of renewable and nonrenewable resources so as to maintain and enhance the long-term productivity of the coastal environment;**

The project site is located outside the Tier 1 coastal zone. The VIDOH/VIDHS separately funded projects will lead to the overall redevelopment of the existing Knud Hansen Complex. The new building and associated parking and utilities will be constructed on previously disturbed land. A much-needed comprehensive health and social services campus will be placed back in operations for public use once again.

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03  
ODR TASK #010-9-101918  
ODR TASK #010-8-101472  
US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

Site operations will be regulated to minimize human impacts.

**POLICY (3) assure priority for coastal-dependent development over other development in the coastal zone by reserving areas suitable for commercial uses including hotels and related facilities, industrial uses including port and marine facilities, and recreation uses;**

The project is not located in the Tier 1 coastal zone. The project is centrally located in Estate Hospital Ground, situated away from coastal hazards and outside mapped flood hazards.

**POLICY (4) assure the orderly, balanced utilization and conservation of the resources of the coastal zone, taking into account the social and economic needs of the residents of the United States Virgin Islands;**

These FEMA funded plans will consolidate the DHS/DOH health and social services into one building within a redeveloped Knud Hansen Complex. The site is currently connected to public water, sewer, and power. New site utility connections are proposed to accommodate the proposed new construction. The repair of this facility will allow a now unusable facility to be put back into service for public use.

**POLICY (5) preserve, protect and maintain the trust lands and other submerged and filled lands of the United States Virgin Islands so as to promote the general welfare of the people of the United States Virgin Islands;**

No work is proposed on trust, or submerged and filled lands.

**POLICY (6) preserve what has been a tradition and protect what has become a right of the public by insuring that the public, individually and collectively, has and shall continue to have the right to use and enjoy the shorelines and to maximize public access to and along the shorelines consistent with constitutionally-protected rights of private property owners;**

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

The existing Knud Hansen Complex buildings, located in Estate Hospital Ground, will be demolished to make way for future site improvements on a previously developed parcel. The site is not located within the Tier 1 coastal zone.

**POLICY (7) promote and provide affordable and diverse public recreational opportunities in the coastal zone for all residents of the United States Virgin Islands through acquisition, development and restoration of areas consistent with sound resource conservation principles;**

The project site will utilize an existing facility located in Estate Hospital Ground therefore leaving existing and future coastal sites for public recreation and conservation initiatives.

**POLICY (8) conserve ecologically significant resource areas for their contribution to marine productivity and value as wildlife habitats, and preserve the function and integrity of reefs, marine meadows, salt ponds, mangroves and other significant natural areas;**

A site Environmental Assessment will be prepared and all site work will proceed in conformance with rules and regulations for the protection of identified natural resources. The site is not located in a Coastal Barrier Resources unit, a wetland, or an essential fish habitat. The project does not modify or effect a waterway/body of water or a wild and scenic river.

**POLICY (9) maintain or increase coastal water quality through control of erosion, sedimentation, runoff, siltation and sewage discharge;**

Best management practices will be in place during demolition and construction to protect water quality and comply with USVI regulations. Requirements are in place during construction to protect water quality. Site disturbance will be just under 4 acres. The site is currently connected and will remain connected to public sewer.

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

**POLICY (10) consolidate the existing regulatory controls applicable to uses of land and water in the coastal zone into a single unified process consistent with the provisions of this chapter, and coordinate therewith the various regulatory requirements of the United States Government;**

This project is funded through the FEMA, Public Assistance Grant, uses Federal dollars, and therefore requires compliance with the Coastal Zone Management Act and is subject to a Federal Consistency Determination.

Along with this Federal Consistency Determination administered by the US Virgin Islands DPNR, Coastal Zone Management, the VIDOH and VIDHS will demolish the existing Knud Hansen Complex building and parking areas, and construct a new building and surface and deck parking in accordance with the National Historic Preservation Act, Coastal Zone Management Act, and the Resource Conservation and Recovery Act, and all US Virgin Islands laws, regulations, and policies consistent with these Federal programs, most notably Virgin Islands Code Title Twelve Conservation, Chapter 21 § 903 (b).

**POLICY (11) promote public participation in decisions affecting coastal planning conservation and development.**

The Federal Consistency Determination requires a public hearing and comment period.

This project will go through the Federal Consistency Review process and final Federal Consistency determination.

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX**

**MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)**

**BUILDING AND EQUIPMENT (DHS)**

**TOWER REPLACEMENT (DOH)**

**ATTACHMENTS**

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03  
ODR TASK #010-9-101918  
ODR TASK #010-8-101472  
US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

**ATTACHMENT A. CONSISTENCY WITH OTHER REGULATIONS AND AGENCIES**

- a. FEMA Letter, Section 106 Consultation, V. Corbiere to S. Krigger, dated 9/1/2020  
and VISHPO Concurrence dated 9/14/2020**
- b. Hazardous/Solid Waste Disposal (work by Suffolk Construction Company)**

**VISHPO CONCURRENCE:** Department of Health Headquarters

**Property Location:** 18.345318, -64.926076

**Undertaking:** Build-out of Temporary Offices and Demolition of (former) Mental Health Building

**FEMA Project:** PW-4340-1072-USVI / GM# 101440 (PA)

**FEMA's Determination of Effect:** The proposed undertaking at the (former) Mental Health Building and Knud-Hansen Tower will result in **No Historic Properties**

**Affected with conditions** pursuant to 36 CFR 800.4(d)(1).

The proposed undertaking at the Dr. John S. Moorehead Municipal Hospital Complex will result in **No Adverse Effect to Historic Properties with conditions** pursuant to 36 CFR 800.5(b).

*Architectural Conditions:*

- The wood-grained paneling proposed to replace wood tongue and groove ceiling in the ca.1900 Moorehead Hospital buildings must match appearance, scale, and profile(s) of the original.
- All other historic building and structure repairs and replacements undertaken at the Dr. John S. Moorehead Municipal Hospital Complex shall follow applicable Secretary of the Interior Guidelines for Preserving, Rehabilitating, Restoring and Reconstructing Historic Buildings and USVI Preservation Guidelines.

*Archaeological Conditions:*

- Prior to conducting repairs/replacement, applicant must identify the source and location of fill material and provide this information to FEMA. If the borrow pit is privately owned, or is located on previously undisturbed land, or if the fill is obtained by the horizontal expansion of a pre-existing borrow pit, FEMA consultation with the State Historic Preservation Officer will be required. Failure to comply with this condition may jeopardize FEMA funding; verification of compliance will be required at project closeout.
- If human remains or intact archaeological deposits are uncovered, work in the vicinity of the discovery will stop immediately and all reasonable measures to avoid or minimize harm to the finds will be taken. The applicant will ensure that archaeological discoveries are secured in place, that access to the sensitive area is restricted, and that all reasonable measures are taken to avoid further disturbance of the discoveries. The applicant's contractor will provide immediate notice of such discoveries to the applicant. The applicant shall contact the Virgin Islands State Historic Preservation Office and FEMA within 24 hours of the discovery. Work in the vicinity of the discovery may not resume until FEMA has completed consultation with SHPO, Indigenous Population, and other consulting parties as necessary. In the event that unmarked human remains are encountered during permitted activities; all work shall stop immediately, and the proper authorities notified.

- Any changes to the approved scope of work will require submission to, and evaluation and approval by, the SHPO and FEMA prior to initiation of any work, for compliance with Section 106.
- According to 36 CFR § 800.1, Federal agencies should consider alternatives to avoid, minimize or mitigate any adverse effects on historic properties. FEMA proposes minimization measures to include use of specialized construction techniques to limit impacts to archaeological resources. These minimization techniques are as follows:
  1. Track mounted heavy equipment must be placed on hard surfaces (asphalt, concrete, compacted gravel); if track mounted heavy equipment is located on soils or grass covered areas, the use of protective pads or steel plates is required to minimize below ground disturbance within the APE.
  2. No work shall commence in wet soils.

**VISHPO CONCURRENCE:** Department of Health Headquarters

**Property Location:** 18.345318, -64.926076

**Undertaking:** Build-out of Temporary Offices and Demolition of (former) Mental Health Building

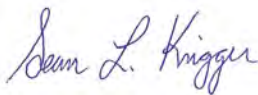
**FEMA Project:** PW-4340-1072-USVI / GM# 101440 (PA)

**FEMA's Determination of Effect:** The proposed undertaking at the (former) Mental Health Building and Knud-Hansen Tower will result in **No Historic Properties Affected with conditions** pursuant to 36 CFR 800.4(d)(1).

The proposed undertaking at the Dr. John S. Moorehead Municipal Hospital Complex will result in **No Adverse Effect to Historic Properties with conditions** pursuant to 36 CFR 800.5(b).

**Date:** September 14, 2020

As proposed, VISHPO   X   concurs \_\_\_ does not concur with FEMA's determination of effect. If no consulting parties object to this finding within the 15-day review period (per Stipulation I.D.2.b. of USVI Programmatic Agreement), the project may proceed as proposed unless resources are discovered during project implementation, pursuant to 36 CFR 800.13.



Sean L. Krigger  
 Director/Deputy State Historic Preservation Officer  
 Department of Planning and Natural Resources  
 Virgin Islands State Historic Preservation Office

U.S. Department of Homeland Security  
FEMA Region II / DR 4335-4340  
Joint Recovery Office  
4500 Sunny Isle Shopping Center  
Unit 37, 38  
Christiansted, VI 00820



**FEMA**

September 1, 2020

Sean L. Krigger  
Director/Deputy State Historic Preservation Officer  
Department of Planning and Natural Resources  
Virgin Islands State Historic Preservation Office  
5064 Forts Straede 1, Kongens Quarter  
Charlotte Amalie, Virgin Islands 00802

**Subject:** Section 106 Consultation

**Project Number:** PW-4340-1072-USVI / GM# 101440 (PA)

**Sub-recipient:** Virgin Islands Department of Health/St. Thomas

**Undertaking:** Build-out of Temporary Offices and Demolition of (former) Mental Health Building (GPS: 18.345318, -64.926076)

Dear Mr. Krigger,

The Federal Emergency Management Agency (FEMA) will be providing funds authorized under the Robert T. Stafford Disaster Relief and Emergency Assistance Act, P.L. 93-288, as amended, in response to major Disaster Declaration FEMA-4340-DR-USVI, dated September 20, 2017. FEMA is conducting Section 106 Consultation for the above-referenced project in accordance with 36 CFR Part 800 and Stipulation II.D. Standard Project Review of FEMA's Virgin Islands Programmatic Agreement executed on July 14, 2016.

### **Undertaking**

The proposed undertaking is to build out interior spaces in the ca. 1900 Dr. John S. Moorehead Municipal Hospital Complex (Moorehead Hospital) and adjacent Knud-Hansen Tower, part of the 1953 Knud-Hansen Memorial Hospital (now Knud-Hansen Center), into usable modern temporary office space for Department of Health (DOH) staff while their permanent spaces are being repaired from storm damage. This undertaking will also include the demolition of the approximately 15,000 Square Foot (SF) (former) Mental Health Building/Long-Term Care Facility (Mental Health Building) in order to construct an approximately 50,000 SF parking lot.

The build-out of the interior spaces to provide interim office functionality will require abatement of mold and asbestos-containing materials (ACM), installation of all new electrical elements (i.e. electrical service, panels, receptacles, switches, light fixtures and other terminal devices), as well as fire alarms, internet wiring and data/voice outlets. The proposed build-out involves the interiors

of twelve individual buildings that include the Knud-Hansen Tower and the Moorehead Hospital (See Figures 2 and 3). They are as follows:

- **Building 1** – Knud-Hansen Tower (GPS: 18.34564 -64.92647) built ca. 1950s or 1970s (Photos 8 – 12)
- **Building 2 (C)** – Moorehead Hospital Chemical Storage Building (GPS: 18.34490 - 64.92619) built ca. 1900 (Photo 15)
- **Building 3 (D)** – Moorehead Hospital Storage Building (GPS: 18.34517 -64.92615) built ca. 1900 (Photo 17 and 18)
- **Building 4 (D-1)** – Moorehead Hospital Payroll Building (GPS: 18.34509 -64.92622) built ca. 1900 (Photo 16 and 17)
- **Building 5 (E)** - Moorehead Hospital Director Building (GPS: 18.34529 -64.92613) built ca. 1900 (Photo 19)
- **Building 6 (F)**- Moorehead Hospital Communicable Disease Admin Building (GPS: 18.34541 -64.92613) built ca. 1900 (Photo 20)
- **Building 7 (G)** - Moorehead Hospital Environmental Health Building (GPS: 18.34514 - 64.92603) built ca. 1900 (Photos 21, 22)
- **Building 8 (H)** - Moorehead Hospital Vital Statistics Building (GPS: 18.34536 -64.92585) built ca. 1900 (Photos 23, 24)
- **Building 9 (I)** - Moorehead Hospital Communicable Disease Clinic, Generator Building (GPS: 18.34508 -64.92577) built ca. 1900 (Photos 25 and 26)
- **Building 10 (J)** - Moorehead Hospital H.I.T. Building (GPS: 18.34478 -64.92570) built ca. 1900 (Photo 27)
- **Building 11 (K)** - Moorehead Hospital Maintenance Building (GPS: 18.34503 -64.92562) built ca. 1900 (Photo 28)
- **Building 12 (L)** - Moorehead Hospital Women’s Resource Center Building (GPS: 18.34525 -64.92557) built early 1950s. (Photos 26 and 29)

Activities associated with the building demolition will require clearing and grubbing of vegetation (small trees and shrubs) and removal of demolition debris from the approximately 15,000 SF building footprint. This also involves removal of the concrete foundation (1-foot depth), footings (2 feet depth), sidewalk, and surrounding asphalt parking lot. Parking lot construction activities would include excavation to approximately 1 foot below grade level (BGL) of building foundation and asphalt parking lot. The concrete footings would require excavation to approximately two feet BGL. Upon completion of the demolition, site grading and placement of 5,633 square yards of Geotech fabric will be placed in the excavated area and overlain with new aggregate. The new

aggregate base will require placing, grading and compaction of approximately 50,000 SF x 3 inches depth (500 cubic yards) of new aggregate base. The proposed asphalt will be applied over the 50,000 SF to a depth of 4 inches and the parking lot will be completed with striped parking areas and signage (Figure 5).

The items in the scope of work identified below are either in-kind replacement or repairs that meet existing Tier II Allowances described in Appendix B of the Programmatic Agreement executed July 14, 2016 and include:

- Replacement/repair of damaged floors, ceiling tiles/grid, walls, light fixtures: B.1.a.
- Cleaning of surfaces for mold remediation: B.1.b.
- Replacement of damaged vinyl composition floor tile (VCT) and ACM mastic: B.1.d.
- Refinish and painting of interior walls: B.1.e.
- Use of portable de-humidification systems: B.1.f.
- Replacement/retrofit of ventilation and electrical systems: B.3.a
- Replacement of fire alarms: B.3.c.
- Replacement of blanket insulation: B.7.b.

The following scope of work items are not covered by existing Programmatic Allowances and is the subject of this consultation:

- Demolition of a structure over 45 years of age and construction of a parking lot in its place
- Replacement of wood tongue and groove wooden ceilings with wood-grained paneling in all the ca.1900 Moorehead Hospital buildings (Photo 30 shows ceiling example)

### **Area of Potential Effects (APE)**

Pursuant to 36 CFR 800.4(a)(1), the Area of Potential Effects (APE) is defined as the geographic area(s) within which the undertaking may directly or indirectly affect historic resources. Based on the proposed scope of work, FEMA has determined that the APE for this undertaking includes the areas around the (former) Mental Health Building, the Knud-Hansen Memorial Hospital, and the Dr. John S. Moorehead Municipal Hospital Complex (Figure 1). There will be ground disturbance associated with the Mental Health Building demolition and subsequent parking lot construction in its place.

### **Identification and Evaluation**

#### *Architecture*

The Dr. John S. Moorehead Municipal Hospital Complex was built by the Danish government c. 1900. It consists of eleven one-story buildings resting on concrete slab foundations (with the exception of Building 10 (J) which has a basement) and topped with corrugated metal hipped roofs. Buildings are generally faced with local bluestone and feature brick window and door trim and quoins. The exception to this is Building 4 (D-1) which has what appears to be concrete or stone lintels and quoins. Windows that are visible are a mix of replacements including single-light sliding windows and one-over-one double-hung windows, most featuring wood shutters. Visible doors are a mix of modern replacement and paneled wood doors with a single light with most featuring wood shutters. A central courtyard with mature mahogany trees serves as a focal point (Photos 13, 14). All buildings facing the courtyard have added shed-roof concrete porches extending the length of the building supported by wood posts with wood balustrades. It is unknown

when the porches were added, but they do not appear in a historic photograph of the courtyard (Photo 31). Despite some additions and alterations over time, the 1900s complex is still an excellent example of Danish Colonial architecture. It is currently occupied by the Department of Health for use as storage.

The Knud-Hansen Tower is four-story steel-frame building with parged concrete-block infill, paired and triple fixed single-light aluminum-frame windows, aluminum-framed glass doors, and a flat roof. A metal staircase and balustrade accessed through metal fire doors on each story serves as a fire escape on the west elevation. The tower was built as part of the (former) Knud-Hansen Memorial Hospital; information provided by the applicant's representative states the tower was built in the 1950s, but it's possible it was part of a hospital expansion that took place in the late 1960s or early 1970s.<sup>1</sup> (Photos 8-10)

The (former) Mental Health Building is a non-descript two-story steel-frame building with parged concrete-block infill and a flat roof. It features a wrap-around caged-in catwalk on the south, east, and north elevations, fixed single-light aluminum-frame windows, and metal doors. (Photos 1-7)

The first hospital was constructed under Danish rule on the island of St. Thomas in 1743. At the time, there was a considerable amount of disease and death due to the tropical climate and influx of diseases from America, Africa and Europe. The Danes went on to create a public health care system based on the Danish hierarchical pyramid model made up of public, military and private-practicing doctors, hospitals, pharmacies and midwives with the royal district doctor at the top. This system was in place between 1755-1800 and its primary purpose was to take care of the Euro-Caribbean population's needs. This is with the exception of the health of the far-larger population of enslaved laborers, which was taken care of by plantation doctors in private practice and by the a health care system on the plantations; this part of the health care system was also subject to the oversight of the royal district doctor. After the emancipation in 1848, the health care service for the population of now free Afro-Caribbean workers did not get better, but worse since nobody wanted to pay for the system. This resulted in a decline in the number of doctors, and medical discoveries that were made in the second half of the 1800s ultimately did not reach the USVI.<sup>2</sup>

Finding historical record of public healthcare after 1900s has been challenging and is therefore spotty. A hospital complex built by the Danish government on the subject property, ca. 1900, came to be known as the Municipal Hospital. Buildings were constructed of native bluestone and had a rectangular courtyard filled with mahogany trees serving as the focal point. In addition to operating as a hospital, the facility also functioned as a nursing school where the doctors taught the nurses; the first graduating class of nurses was in 1919.<sup>3</sup> When the U.S. acquired the territory in 1917, U.S. Navy nurses established a more formal 3-year training course at the hospital.<sup>4</sup>

---

<sup>1</sup> The Congressional Record Extensions of Remarks, p. 30552, September 19, 1973. <https://www.govinfo.gov/content/pkg/GPO-CRECB-1973-pt23/pdf/GPO-CRECB-1973-pt23-6-3.pdf>, accessed August 21, 2020

<sup>2</sup> <https://www.virgin-islands-history.org/en/history/colonial-power/health-and-the-health-care-system/> accessed August 26, 2020

<sup>3</sup> <https://web.archive.org/web/20171014181401/http://www.visnaus.org/MainMenu/About-VISNA/Bylaws/VISNA-Bylaws.pdf> accessed August 27, 2020

<sup>4</sup> The Congressional Record Extensions of Remarks, p. 30552, September 19, 1973. <https://www.govinfo.gov/content/pkg/GPO-CRECB-1973-pt23/pdf/GPO-CRECB-1973-pt23-6-3.pdf> accessed August 21, 2020

After the United States acquired the USVI in 1917, the U.S. Navy served as territory administrator until 1931 when the Department of the Interior assumed oversight. Dr. Knud Knud-Hansen was a prominent Danish doctor during this time and, despite being dismissed along with many Danish doctors after the transfer, continued working until shortly before his death in 1951. One of his successors, Dr. John S. Moorehead began planning for a new 126-bed hospital adjacent to the 1900s hospital complex due to the bad repair of the buildings. The Knud-Hansen Memorial Hospital was dedicated in 1953 and the 1900s hospital buildings were transitioned for use primarily as out-patient clinics.<sup>5</sup>

According to an account by a former nurse at the hospital, the new hospital expanded sometime prior to 1973, although it is unknown exactly how, where, and when. It's possible the Mental Health Building was constructed during this time to reflect developments being made in the mental health care field.<sup>6</sup> This is supported by an article in the *Interamerican Journal of Psychology* which mentions architectural drawings being made in fiscal year 1965-66 for new mental health centers in the Virgin Islands.<sup>7</sup>

Since the construction of the Knud-Hansen Memorial Hospital, the 1900s hospital complex was used primarily for storage and offices, and was eventually given the name the Dr. John S. Moorehead Municipal Hospital Complex. Once the Roy L. Schneider (current) hospital opened in 1982, the memorial hospital became the Knud-Hansen Center and serves as DOH headquarters.<sup>8</sup>

The John S. Moorehead Municipal Hospital Complex is an excellent example of a grouping of Danish Colonial architecture and use of native materials and setting. It is one of few remaining government hospitals in St. Thomas and is significant for its architecture as well as its contribution to healthcare and nursing education. Although the setting has been slightly compromised with the construction of the Knud-Hansen Memorial Hospital in 1953, the presence of the more modern hospital building conveys the continued history and progression of healthcare in the USVI. The Moorehead Hospital Complex continues to retain its integrity of location, materials, design, workmanship, feeling and association; therefore, FEMA has determined the Moorehead Hospital Complex is potentially eligible for listing in the National Register under Criterion A and C.

The Knud-Hansen Memorial Hospital (now Knud-Hansen Center) and (former) Mental Health Building are both non-descript examples of post-WWII hospital building. With subsequent additions and changes in materials, neither building possesses character defining features unique to a clear building style, period, or method of construction. The buildings are not the work of a master, do not display high artistic values and do not appear to be individually associated with an

---

<sup>5</sup> Danish West Indian Society Newsletter, October 1976. Vagn Dyssel, *Episodes from the Evolution of the Health Service in the former Danish West Indies*, page 7-13.  
<https://web.archive.org/web/20171014173607/http://www.dwis.dk/images/Dokumenter/Medlemsblade/DVS-1976-3-OKTOBER.pdf> accessed August 21, 2020

<sup>6</sup> The Congressional Record Extensions of Remarks, p. 30552, September 19, 1973.  
<https://www.govinfo.gov/content/pkg/GPO-CRECB-1973-pt23/pdf/GPO-CRECB-1973-pt23-6-3.pdf>, accessed August 21, 2020

<sup>7</sup> *Interamerican Journal of Psychology*, vol. 34, No. 2. Patricia Rhymer Todman, *Eldra Shulterbrandt and the Development of Public Mental Health Services in the US Virgin Islands*, p. 24 (15).  
<file:///C:/Users/rjohns76/Downloads/28434202.pdf> accessed August 27, 2020

<sup>8</sup> Historical Perspective on Health and Health Care in the US Virgin Islands  
<https://webcache.googleusercontent.com/search?q=cache:ommlgATisAEJ:https://www.usvihazardmitigationplan.org/new-page-46+&ccd=41&hl=en&ct=clnk&gl=vi> accessed August 27, 2020

event or person significant in our past. Therefore, FEMA has determined that the Knud-Hansen Memorial Hospital and (former) Mental Health Building are not eligible for listing in the National Register of Historic Places.

#### *Archaeology*

A review of archaeological site maps and archaeological site data provided by the VISHPO did not identify any known archaeological sites within a 0.25-mile radius of the ground disturbance/demolition APE. A portion of the National Register of Historic Places-listed Charlotte Amalie Historic District boundary is located approximately 0.20 miles south of the APE (Figure 4).

The USDA soil layer data characterizes the area as Urban land -Cinnamon Bay Complex (UcC), 0 to 12 percent slopes. The map unit comprises 80 percent of urban land which is disturbed soils from prior development activities. Based upon the extensive ground disturbance associated with the proposed demolition and parking lot construction at this site, it has been determined that there is low to no potential for the APE (yellow) to contain intact archaeological resources.

#### **Determination of Effect**

Based on VISHPO maps and historic property research and identification the undertaking to demolish the (former) Mental Health Building and build out office space in the Knud-Hansen Tower will result in **No Historic Properties Affected with conditions**. The undertaking to build out office space at the Dr. John S. Moorehead Municipal Hospital Complex will result in **No Adverse Effect to Historic Properties with conditions**.

To ensure that FEMA-funded activities will not adversely affect cultural or archaeological resources, FEMA is placing the following conditions on the project for the treatment of historic properties and fortuitous finds or unexpected discoveries during ground disturbing activities within the project area:

#### *Architectural Conditions:*

- The wood-grained paneling proposed to replace wood tongue and groove ceiling in the ca.1900 Moorehead Hospital buildings must match appearance, scale, and profile(s) of the original.
- All other historic building and structure repairs and replacements undertaken at the Dr. John S. Moorehead Municipal Hospital Complex should follow applicable Secretary of the Interior Guidelines for Preserving, Rehabilitating, Restoring and Reconstructing Historic Buildings and USVI Preservation Guidelines.

#### *Archaeological Conditions:*

- Prior to conducting repairs/replacement, applicant must identify the source and location of fill material and provide this information to FEMA. If the borrow pit is privately owned, or is located on previously undisturbed land, or if the fill is obtained by the horizontal expansion of a pre-existing borrow pit, FEMA consultation with the State Historic Preservation Officer will be required. Failure to comply with this condition may jeopardize FEMA funding; verification of compliance will be required at project closeout.

- If human remains or intact archaeological deposits are uncovered, work in the vicinity of the discovery will stop immediately and all reasonable measures to avoid or minimize harm to the finds will be taken. The applicant will ensure that archaeological discoveries are secured in place, that access to the sensitive area is restricted, and that all reasonable measures are taken to avoid further disturbance of the discoveries. The applicant's contractor will provide immediate notice of such discoveries to the applicant. The applicant shall contact the Virgin Islands State Historic Preservation Office and FEMA within 24 hours of the discovery. Work in the vicinity of the discovery may not resume until FEMA has completed consultation with SHPO, Indigenous Population, and other consulting parties as necessary. In the event that unmarked human remains are encountered during permitted activities; all work shall stop immediately, and the proper authorities notified.
- Any changes to the approved scope of work will require submission to, and evaluation and approval by, the SHPO and FEMA prior to initiation of any work, for compliance with Section 106.
- According to 36 CFR § 800.1, Federal agencies should consider alternatives to avoid, minimize or mitigate any adverse effects on historic properties. FEMA proposes minimization measures to include use of specialized construction techniques to limit impacts to archaeological resources. These minimization techniques are as follows:
  1. Track mounted heavy equipment must be placed on hard surfaces (asphalt, concrete, compacted gravel); if track mounted heavy equipment is located on soils or grass covered areas, the use of protective pads or steel plates is required to minimize below ground disturbance within the APE.
  2. No work shall commence in wet soils.

FEMA requests concurrence with this determination of effect within fifteen (15) calendar days. Should you have any questions or need additional information please contact Rebecca Johnson, SOI-qualified Historic Preservation Specialist at [rebecca.a.johnson@fema.dhs.gov](mailto:rebecca.a.johnson@fema.dhs.gov) or (202) 769-6008.; or Virginia Corbière at [virginia.corbiere@fema.dhs.gov](mailto:virginia.corbiere@fema.dhs.gov) or (202) 805-6764.

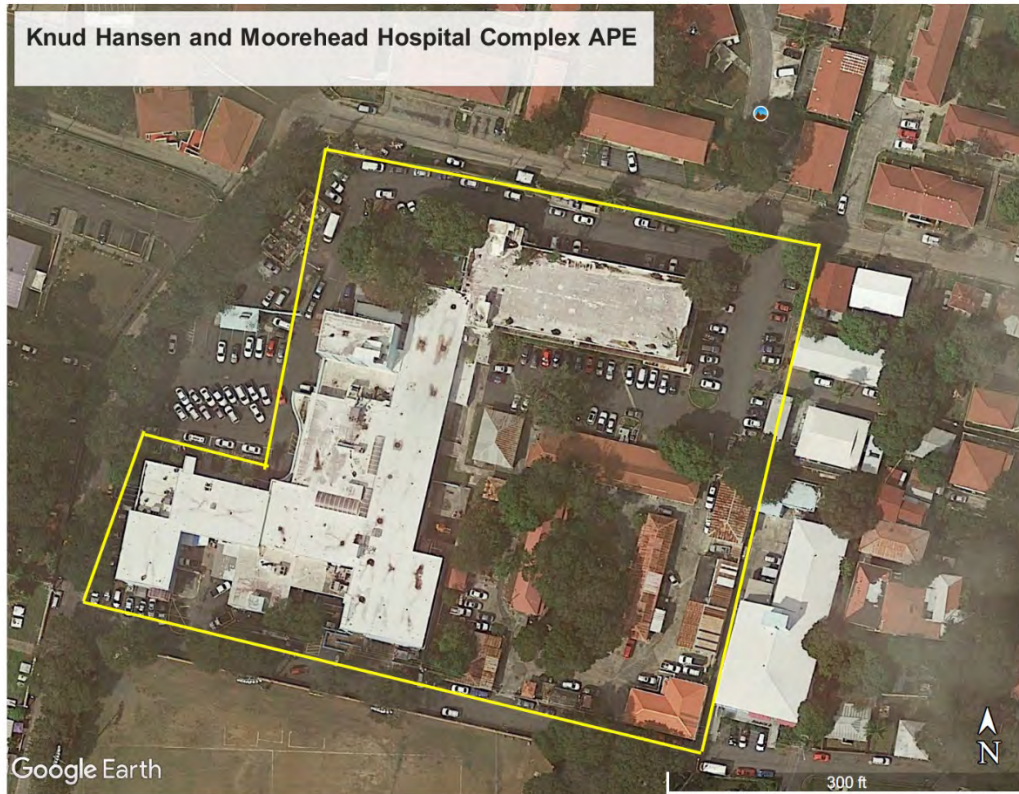
Sincerely,

Virginia Corbière  
Environmental and Historic Preservation  
Advisor  
DR-4335 and 4340-USVI

Cc: Eboni Powell, Administrative Specialist, VI SHPO  
David M. Brewer, Senior Archaeologist, VI SHPO

Attachment: SHPO Concurrence document

**Figure 1:** APE of Knud Hansen and Moorehead Hospital Complex



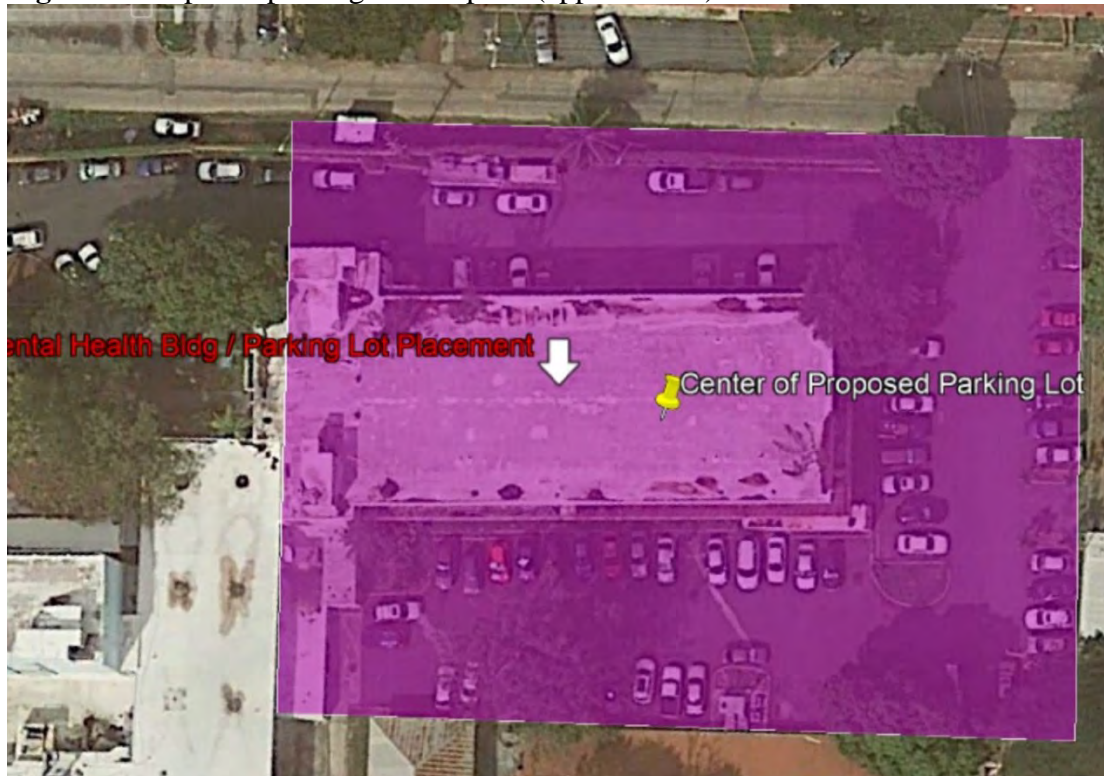
**Figure 2:** Knud Hansen and Moorehead Complex aerial site plan





**Figure 4:** Known historic and archaeological sites within .25 mile of demolition APE

**Figure 5:** Proposed parking lot footprint (approximate)



**Photo 1:** Mental Health Building south elevation and junction with Knud-Hansen complex



**Photo 2:** Mental Health Building south elevation



**Photo 3:** Mental Health Building southeast elevation



**Photo 4:** Mental Health Building east elevation



**Photo 5:** Mental Health Building north elevation



**Photo 6:** Mental Health Building interior



**Photo 7:** Mental Health Building interior



**Photo 8:** Knud-Hansen Tower west elevation



**Photo 9:** Knud-Hansen Tower west elevation



**Photo 10:** Knud-Hansen Tower north elevation



**Photo 11:** Knud-Hansen Tower interior



**Photo 12:** Knud-Hansen Tower interior



**Photo 13:** Moorehead Hospital courtyard looking NE showing buildings G, H, and I



**Photo 14:** Moorehead Hospital courtyard looking south



**Photo 15:** Moorehead Hospital Building 2 (C) – Chemical Storage



**Photo 16:** Moorehead Hospital Buildings 3 and 4 (D and D-1) – Payroll and Storage



**Photo 17:** Moorehead Hospital Building 4 (D-1) – Payroll



**Photo 18:** Moorehead Hospital Building 3 (D) – Storage



**Photo 19:** Moorehead Hospital Building 5 (E) – Director’s Building



**Photo 20:** Moorehead Hospital Building 6 (F) – Communicable Disease Admin.



**Photo 21:** Moorehead Hospital Building 7 (G) – Environmental Health looking north



**Photo 22:** Moorehead Hospital Building 7 (G) – Environmental Health looking west



**Photo 23:** Moorehead Hospital Building 8 (H) – Vital Statistics



**Photo 24:** Moorehead Hospital Building 8 (H) – Vital Statistics looking west



**Photo 25:** Moorehead Hospital Building 9 (I) – Communicable Disease Clinic



**Photo 26:** Moorehead Hospital Building 9 (I) – Communicable Disease Clinic (with Building 12 (L) to the left and Building 10 (J) to the right in the background)



**Photo 27:** Moorehead Hospital Building 10 (J) – H.I.T. Building looking SE



**Photo 28:** Moorehead Hospital Building 11 (K) – Maintenance



**Photo 29:** Moorehead Hospital Building 12 (L) – Women’s Resource Center west elevation



**Photo 30:** Moorehead Hospital Building interior ceiling



**Photo 31:** Historic View of Moorehead Hospital Building/Courtyard (unknown source and date)



**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX**

**MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)**

**BUILDING AND EQUIPMENT (DHS)**

**TOWER REPLACEMENT (DOH)**

**ATTACHMENT B. MITIGATION PLANS**

**a. Asbestos**

- **Old Mental Health Building**
- **Hospital (pending)**
- **Tower**



# Environmental Concepts Inc.

1115 Strand Street – Suite 2E, Christiansted, St. Croix, USVI 00820 - 340-771-0550 & 340-778-3221 - encon@mail.com

Virgin Islands Department of Health  
Kathleen J. Greenaway, MPA  
Virgin Islands Department of Health  
Project Management Office  
3500 Richmond  
Christiansted, VI 00820-4370

September 17, 2021

**Ref: Lead based paint and asbestos testing – demolition purposes  
Old Mental Health Building – Knud Hansen Complex – St. Thomas, US Virgin islands**

Dear Mrs. Greenaway,

It is our pleasure to supply you with the results of the asbestos and lead based paint inspection at the above mentioned location performed on September 3, by Maxcess Armantrading and Tannia Ramos, certified asbestos and lead based paint supervisors. Thirty six (36) potential asbestos containing materials were analyzed. Thirty eight (38) paint chips were also analyzed for lead. All samples were analyzed by EMSL Analytical Laboratories in Cinnaminson, New Jersey. The asbestos samples were analyzed using the PLM Method and the lead samples were analyzed using the AAS by Flame Method.

Asbestos:

Federal asbestos standards are set at a maximum concentration of one (1) percent, any asbestos concentration below this level does not fall under the current Federal asbestos laws.

**Our inspection did detect asbestos above Federal Standards  
ALL FLOOR TILE AND ALL MASTIC TESTED POSITIVE FOR ASBESTOS**

Lead based paint:

Federal asbestos standards are set at a maximum concentration of one half (0.5) percent by weight, any lead concentration below this level does not fall under the current Federal lead based paint laws.

**Our inspection did not detect lead based paint above Federal Standards**

We thank you for giving us the opportunity to perform this inspection for you and if you have any questions concerning this or any other environmental issue, please do not hesitate to contact us at 771-0550 or 778-3221.

Sincerely,

*Dr. John Verstraaten, president*

John Verstraaten, Ph.D., CMRS  
**Certified Microbial Remediation Specialist**

encl



**“INTEGRITY IN INDOOR AIR QUALITY”**

**Servicing the US Virgin Islands for over 25 years**

ENCON is a registered trademark in the U.S. Patent and Trademark Office



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

EMSL Order: 042123186

Customer ID: ECI50A

Customer PO:

Project ID:

**Attention:** Florida Office  
Environmental Concepts, Inc. (ENCON)  
1115 Strand Street - Suite 2E  
Christiansted, St. Croix, 00820

**Phone:** (340) 771-0550

**Fax:** (815) 550-1134

**Received Date:** 09/15/2021 10:20 AM

**Analysis Date:** 09/17/2021

**Collected Date:** 09/03/2021

**Project:** Old Mental Health - Knud Hansen / Hospital Ground - St. Thomas, US Virgin Islands

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1 042123186-0001	2nd Floor - Ceiling West - Insulation	Gray/Tan Fibrous Homogeneous	98% Glass	2% Non-fibrous (Other)	None Detected
2 042123186-0002	2nd Floor - Ceiling South - Insulation	Gray/Tan Fibrous Homogeneous	98% Glass	2% Non-fibrous (Other)	None Detected
3 042123186-0003	2nd Floor - Ceiling East - Insulation	Gray/Tan Fibrous Homogeneous	98% Glass	2% Non-fibrous (Other)	None Detected
4 042123186-0004	2nd Floor Within Block Walls East - Insulation	Gray/Tan Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
5A 042123186-0005	2nd Floor - East - Floor Tile	Gray/White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
5B 042123186-0006	2nd Floor - East - Mastic	Tan/Black Non-Fibrous Heterogeneous		97% Non-fibrous (Other)	3% Chrysotile
6A 042123186-0007	2nd Floor Northeast - Floor Tile	Gray/White Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
6B 042123186-0008	2nd Floor Northeast - Mastic	Tan/Black Non-Fibrous Heterogeneous		98% Non-fibrous (Other)	2% Chrysotile
7A 042123186-0009	2nd Floor Southeast - Floor Tile	Gray/White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
7B 042123186-0010	2nd Floor Southeast - Mastic	Tan/Black Non-Fibrous Heterogeneous		97% Non-fibrous (Other)	3% Chrysotile
8A 042123186-0011	2nd Floor Central - Floor Tile	Gray/White Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
8B 042123186-0012	2nd Floor Central - Mastic	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
9A 042123186-0013	2nd Floor Central - Floor Tile	Gray/White Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
9B 042123186-0014	2nd Floor Central - Mastic	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
10A 042123186-0015	2nd Floor West - Floor Tile	Gray/White Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
10B 042123186-0016	2nd Floor West - Mastic	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile

Initial report from: 09/17/2021 19:07:33



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

EMSL Order: 042123186

Customer ID: ECI50A

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11A 042123186-0017	2nd Floor North Central - Floor Tile	Gray/White Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
11B 042123186-0018	2nd Floor North Central - Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12A 042123186-0019	2nd Floor East Central - Floor Tile	Gray/White Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
12B 042123186-0020	2nd Floor East Central - Mastic	Black Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
13A 042123186-0021	1st Floor Southeast - Floor Tile	Gray/White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
13B 042123186-0022	1st Floor Southeast - Mastic	Black Non-Fibrous Homogeneous		93% Non-fibrous (Other)	7% Chrysotile
14A 042123186-0023	1st Floor Central South - Floor Tile	Gray/White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
14B 042123186-0024	1st Floor Central South - Mastic	Black Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
15A 042123186-0025	1st Floor Central North - Floor Tile	Gray/White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
15B 042123186-0026	1st Floor Central North - Mastic	Black Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
16A 042123186-0027	1st Floor North - Floor Tile	Gray/White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
16B 042123186-0028	1st Floor North - Mastic	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
17A 042123186-0029	1st Floor West - Floor Tile	Gray/White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
17B 042123186-0030	1st Floor West - Mastic	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
18 042123186-0031	Roofing Material - Roofing	White/Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
19A 042123186-0032	Basement - Floor Tile	Beige Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
19B 042123186-0033	Basement - Mastic	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
20 042123186-0034	2nd Floor - Masonry	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21 042123186-0035	2nd Floor - Masonry	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 09/17/2021 19:07:33



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

**EMSL Order:** 042123186  
**Customer ID:** ECI50A  
**Customer PO:**  
**Project ID:**

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
22	Basement - Masonry Material	Gray/White Fibrous Homogeneous	70% Min. Wool	30% Non-fibrous (Other)	None Detected

042123186-0036  
Sample appears to be ceiling tile

Analyst(s)

Laura Kantor (20)

Nicholas Montoya-Orozco (16)

Samantha Rundstrom, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 09/17/2021 19:07:33



# Environmental Concepts Inc.

042123186

RECEIVED  
EMSL  
CINNAMINSON, N.J.  
2021 09 15 AM 11:57

1115 Strand Street - Suite 2E, Christiansted, St. Croix, USVI 00820 - 340-771-0550 & 340-778-3221 - encon@mail.com

## Chain of Custody / Analysis Request Form

**Project Name:** Old mental Health - Knud Hansen **Page:** 1 of 3

**Address:** Hospital Ground - St. Thomas, US Virgin Islands 00820

**Date:** September 3, 2021 **Name of inspector:** Maxcess Armantrading

**O Asbestos PLM Bulk - EPA 600**

Nbr	Description Location	Material	Color
1	2 <sup>nd</sup> floor - Ceiling West	Insulation	gray
2	2 <sup>nd</sup> floor - Ceiling South	Insulation	gray
3	2 <sup>nd</sup> floor - Ceiling East	Insulation	gray
4	2 <sup>nd</sup> floor within block walls East	Insulation	gray
5A 5B	2 <sup>nd</sup> floor - East	Floor-Tile Mastic	Off white
6A 6B	2 <sup>nd</sup> floor - Northeast	Floor-Tile Mastic	Off white
7A 7B	2 <sup>nd</sup> floor - Southeast	Floor-Tile Mastic	Off white
8A 8B	2 <sup>nd</sup> floor - Central	Floor-Tile Mastic	Off white

**TAT:** 48 hours

**Delivery Method:** US Mail - Express

**Send Results to:** Florida Office

**Billing to Florida Office**

**Email:** encon@mail.com

**EMSL Analytical**  
200 Route 130 North  
CINNAMINSON, NJ08077

*Maxcess Armantrading*  
Maxcess Armantrading

as OHS 9-15-21 10:16

22



"INTEGRITY IN INDOOR AIR QUALITY"

Serving the Virgin Islands for over 25 years

ENCON is a registered trademark in the U.S. Patent and Trademark Office



# Environmental Concepts Inc.

042123186

RECEIVED  
EMSL  
CINNAMINSON, N.J.  
2021 SEP 15 AM 11:57

1115 Strand Street – Suite 2E , Christiansted, St. Croix, USVI 00820 - 340-771-0550 & 340-778-3221 - encon@mail.com

## Chain of Custody / Analysis Request Form

**Project Name:** Old mental Health – Knud Hansen **Page: 2 of 3**

**Address:** Hospital Ground – St. Thomas , US Virgin Islands 00820

**Date:** September 3, 2021

**Name of inspector:** Maxcess Armantrading

**O Asbestos PLM Bulk – EPA 600**

Nbr	Description Location	Material	Color
9A 9B	2 <sup>nd</sup> floor – Central	Floor-Tile Mastic	Off white
10A 10B	2 <sup>nd</sup> floor – West	Floor-Tile Mastic	Off white
11A 11B	2 <sup>nd</sup> floor – North central	Floor-Tile Mastic	Off white
12A 12B	1 <sup>st</sup> floor – East Central	Floor-Tile Mastic	Off white
13A 13B	1 <sup>st</sup> floor - Southeast	Floor-Tile Mastic	Off white
14A 14B	1 <sup>st</sup> floor – Central South	Floor-Tile Mastic	Off white
15A 15B	1 <sup>st</sup> floor – Central North	Floor-Tile Mastic	Off white
16A 16B	1 <sup>st</sup> floor - North	Floor-Tile Mastic	Off white

**TAT:** 48 hours

**Delivery Method:** US Mail - Express

**Send Results to:** Florida Office

**Billing to Florida Office**

**E-Mail:** encon@mail.com

**EMSL Analytical**  
200 Route 130 North  
CINNAMINSON, NJ08077

Maxcess Armantrading



“INTEGRITY IN INDOOR AIR QUALITY”

Serving the Virgin Islands for over 25 years

ENCON is a registered trademark in the U.S. Patent and Trademark Office



# Environmental Concepts Inc.

042123186

RECEIVED  
EMSL  
CINNAMINSON, N.J.  
2021 SEP 13 AM 11:57

1115 Strand Street - Suite 2E, Christiansted, St. Croix, USVI 00820 - 340-771-0550 & 340-778-3221 - encon@mail.com

## Chain of Custody / Analysis Request Form

**Project Name:** Old mental Health - Knud Hansen **Page:** 3 of 3

**Address:** Hospital Ground - St. Thomas, US Virgin Islands 00820

**Date:** September 3, 2021 **Name of inspector:** Maxcess Armantrading

**O Asbestos PLM Bulk - EPA 600**

Nbr	Description Location	Material	Color
17A 17B	1 <sup>st</sup> floor - West	Floor-Tile Mastic	Off white
18	Roofing Material	Roofing	Gray
19A 19B	Basement	Floor-Tile Mastic	Creme
20	2 <sup>nd</sup> floor - Wall Material	Masonry	gray
21	1 <sup>st</sup> floor - Wall Material	Masonry	gray
22	Basement	Masonry Material	gray

**TAT:** 48 hours

**Delivery Method:** US Mail - Express

**Send Results to:** Florida Office  
**Billing to Florida Office**

**EMail:** encon@mail.com

**EMSL Analytical**  
200 Route 130 North  
CINNAMINSON, NJ08077

Maxcess Armantrading



"INTEGRITY IN INDOOR AIR QUALITY"

Serving the Virgin Islands for over 25 years

ENCON is a registered trademark in the U.S. Patent and Trademark Office



# EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>

[cinnaminsonleadlab@emsl.com](mailto:cinnaminsonleadlab@emsl.com)

EMSL Order: 202107028

CustomerID: ECI50A

CustomerPO:

ProjectID:

Attn: **Maxcess Armantrading  
Environmental Concepts, Inc. (ENCON)  
1115 Strand Street - Suite 2E  
Christiansted, St. Croix, 00820**

Phone: (340) 771-0550  
Fax: (815) 550-1134  
Received: 09/15/21 11:50 AM  
Collected: 9/3/2021

Project: **Old Mental Health - Knud Hansen / Hospital Ground - St. Thomas, US Virgin Islands 00820**

## Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)\*

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
1 Site: 2nd floor - se wall / turquoise	202107028-0001	9/3/2021	9/16/2021	0.2550 g	<0.0080 % wt
2 Site: 2nd floor - S wall / white - turquoise	202107028-0002	9/3/2021	9/16/2021	0.2545 g	<0.0080 % wt
3 Site: 2nd floor - e wall / white - turquoise	202107028-0003	9/3/2021	9/16/2021	0.2525 g	<0.0080 % wt
4 Site: 2nd floor - NE wall - white - turquoise	202107028-0004	9/3/2021	9/16/2021	0.2565 g	<0.0080 % wt
5 Site: 2nd floor - N wall - white - turquoise	202107028-0005	9/3/2021	9/16/2021	0.2528 g	<0.0080 % wt
6 Site: 2nd floor - NW wall - white / turquoise	202107028-0006	9/3/2021	9/16/2021	0.2565 g	<0.0080 % wt
7 Site: 2nd floor - W wall - white - turquoise	202107028-0007	9/3/2021	9/16/2021	0.2520 g	<0.0080 % wt
8 Site: 2nd floor - east central pillow - yellow	202107028-0008	9/3/2021	9/16/2021	0.2535 g	<0.0080 % wt
9 Site: 2nd floor - center pillar - yellow - white	202107028-0009	9/3/2021	9/16/2021	0.2503 g	<0.0080 % wt
10 Site: 2nd floor - center pillar - yellow - white	202107028-0010	9/3/2021	9/16/2021	0.2567 g	<0.0080 % wt
11 Site: 2nd floor - center pillar - turquoise - white	202107028-0011	9/3/2021	9/16/2021	0.2547 g	<0.0080 % wt
12 Site: 2nd floor - center pillar west - turquoise - white	202107028-0012	9/3/2021	9/16/2021	0.2509 g	<0.0080 % wt
13 Site: 2nd floor - west center pillar - turquoise - white	202107028-0013	9/3/2021	9/16/2021	0.2595 g	<0.0080 % wt
14 Site: 2nd floor - west middle pillar - turquoise - white	202107028-0014	9/3/2021	9/16/2021	0.2533 g	<0.0080 % wt
15 Site: 2nd floor - east entry wall - grey - white	202107028-0015	9/3/2021	9/16/2021	0.2542 g	<0.0080 % wt

Phillip Worby, Lead Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 09/17/2021 11:27:06



# EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>

[cinnaminsonleadlab@emsl.com](mailto:cinnaminsonleadlab@emsl.com)

EMSL Order: 202107028

CustomerID: ECI50A

CustomerPO:

ProjectID:

Attn: **Maxcess Armantrading  
Environmental Concepts, Inc. (ENCON)  
1115 Strand Street - Suite 2E  
Christiansted, St. Croix, 00820**

Phone: (340) 771-0550  
Fax: (815) 550-1134  
Received: 09/15/21 11:50 AM  
Collected: 9/3/2021

Project: **Old Mental Health - Knud Hansen / Hospital Ground - St. Thomas, US Virgin Islands 00820**

## Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)\*

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
16	202107028-0016	9/3/2021	9/16/2021	0.2556 g	<0.0080 % wt
Site: 2nd floor - NE wall - grey - white					
17	202107028-0017	9/3/2021	9/16/2021	0.2631 g	<0.0080 % wt
Site: 2nd floor - west entry wall - grey - white					
18	202107028-0018	9/3/2021	9/16/2021	0.2542 g	<0.0080 % wt
Site: 2nd floor - north entry wall - grey - white					
19	202107028-0019	9/3/2021	9/16/2021	0.2596 g	<0.0080 % wt
Site: 2nd floor - southwest entry wall - grey - white					
20	202107028-0020	9/3/2021	9/16/2021	0.2524 g	0.023 % wt
Site: 1st floor - east wall - green - white					
21	202107028-0021	9/3/2021	9/16/2021	0.2549 g	0.025 % wt
Site: 1st floor - southeast wall - green - white					
22	202107028-0022	9/3/2021	9/16/2021	0.2509 g	0.023 % wt
Site: 1st floor - central south wall - green - white					
23	202107028-0023	9/3/2021	9/16/2021	0.2510 g	0.024 % wt
Site: 1st floor - southwest wall - green - white					
24	202107028-0024	9/3/2021	9/16/2021	0.2611 g	0.023 % wt
Site: 1st floor - west wall - green - white					
25	202107028-0025	9/3/2021	9/16/2021	0.2533 g	0.025 % wt
Site: 1st floor - NW wall - green - white					
26	202107028-0026	9/3/2021	9/16/2021	0.2586 g	0.024 % wt
Site: 1st floor - north wall - green - white					
27	202107028-0027	9/3/2021	9/16/2021	0.2549 g	0.024 % wt
Site: 1st floor - north central wall - green - white					
28	202107028-0028	9/3/2021	9/16/2021	0.2572 g	0.021 % wt
Site: 1st floor - NE entry door - dark green					
29	202107028-0029	9/3/2021	9/16/2021	0.2551 g	0.024 % wt
Site: 1st floor - north entry wall - dark green					
30	202107028-0030	9/3/2021	9/16/2021	0.2546 g	0.024 % wt
Site: 1st floor - NW entry wall - dark green					

Phillip Worby, Lead Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 09/17/2021 11:27:06



# EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>

[cinnaminsonleadlab@emsl.com](mailto:cinnaminsonleadlab@emsl.com)

EMSL Order:	202107028
CustomerID:	ECI50A
CustomerPO:	
ProjectID:	

Attn: **Maxcess Armantrading  
Environmental Concepts, Inc. (ENCON)  
1115 Strand Street - Suite 2E  
Christiansted, St. Croix, 00820**

Phone: (340) 771-0550  
Fax: (815) 550-1134  
Received: 09/15/21 11:50 AM  
Collected: 9/3/2021

Project: **Old Mental Health - Knud Hansen / Hospital Ground - St. Thomas, US Virgin Islands 00820**

## Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)\*

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
31	202107028-0031	9/3/2021	9/16/2021	0.2522 g	0.018 % wt
Site: 1st floor - west central wall - dark green					
32	202107028-0032	9/3/2021	9/16/2021	0.2535 g	0.024 % wt
Site: 1st floor - southwest wall - dark green					
33	202107028-0033	9/3/2021	9/16/2021	0.2537 g	<0.0080 % wt
Site: 2nd floor floor - door & door jamb - yellow - white					
34	202107028-0034	9/3/2021	9/16/2021	0.2520 g	<0.0080 % wt
Site: 2nd floor - door - yellow - white					
35	202107028-0035	9/3/2021	9/16/2021	0.2572 g	<0.0080 % wt
Site: 1st floor - door & door jamb - yellow - white					
36	202107028-0036	9/3/2021	9/16/2021	0.2545 g	<0.0080 % wt
Site: 1st floor - door & door jamb - yellow - white					
37	202107028-0037	9/3/2021	9/16/2021	0.2541 g	0.018 % wt
Site: 1st floor - door & door jamb - turquoise / white					
38	202107028-0038	9/3/2021	9/16/2021	0.2523 g	0.37 % wt
Site: 1st floor - hand rail - black					

Phillip Worby, Lead Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 09/17/2021 11:27:06



202107028

# Environmental Concepts Inc.

1115 Strand Street – Suite 2E , Christiansted, St. Croix, USVI 00820 - 340-771-0550 & 340-778-3221 - encon@mail.com

## Chain of Custody / Analysis Request Form

**Project Name:** Old mental Health – Knud Hansen **Page:** 1 of 3

**Address:** Hospital Ground – St. Thomas , US Virgin Islands 00820

**Date:** September 3, 2021 **Name of inspector:** Maxcess Armantrading

**O Lead Paint by AAS**

Nbr	Description Location	Material	Color
1	2 <sup>nd</sup> floor – SE Wall	paint-chip	turquoise
2	2 <sup>nd</sup> floor – S Wall	paint-chip	white/turquoise
3	2 <sup>nd</sup> floor – E Wall	paint-chip	white/turquoise
4	2 <sup>nd</sup> floor – NE Wall	paint-chip	white/turquoise
5	2 <sup>nd</sup> floor – N Wall	paint-chip	white/turquoise
6	2 <sup>nd</sup> floor – NW Wall	paint-chip	white/turquoise
7	2 <sup>nd</sup> floor – W Wall	paint-chip	white/turquoise
8	2 <sup>nd</sup> floor – East Central Pillar	paint-chip	Yellow
9	2 <sup>nd</sup> floor – Center Pillar	paint-chip	Yellow/white
10	2 <sup>nd</sup> floor – Center Pillar	paint-chip	Yellow /white
11	2 <sup>nd</sup> floor – Center Pillar	paint-chip	Turquoise / white
12	2 <sup>nd</sup> floor – Center Pillar West	paint-chip	Turquoise / white
13	2 <sup>nd</sup> floor – West Center Pillar	paint-chip	Turquoise / white
14	2 <sup>nd</sup> floor – West Middle Pillar	paint-chip	Turquoise / white
15	2 <sup>nd</sup> floor – East entry wall	paint-chip	Gray / white

**TAT:** 48 hours

**Delivery Method:** US Mail - Express

**Send Results to:** Florida Office  
**Billing to Florida Office**

**E-Mail:** encon@mail.com

**EMSL Analytical**  
 200 Route 130 North  
 CINNAMINSON, NJ08077

Maxcess Armantrading

os UPS 9-15-21 11:50



“INTEGRITY IN INDOOR AIR QUALITY”

**Serving the Virgin Islands for over 25 years**

ENCON is a registered trademark in the U.S. Patent and Trademark Office



202107028

# Environmental Concepts Inc.

1115 Strand Street – Suite 2E , Christiansted, St. Croix, USVI 00820 - 340-771-0550 & 340-778-3221 - encon@mail.com

## Chain of Custody / Analysis Request Form

**Project Name:** Old mental Health – Knud Hansen **Page:** 2 of 3

**Address:** Hospital Ground – St. Thomas , US Virgin Islands 00820

**Date:** September 3, 2021

**Name of inspector:** Maxcess Armantrading

### O Lead Paint by AAS

Nbr	Description Location	Material	Color
16	2 <sup>nd</sup> floor – NE Wall	paint-chip	Gray / white
17	2 <sup>nd</sup> floor – West Entry Wall	paint-chip	Gray / white
18	2 <sup>nd</sup> floor – North Entry Wall	paint-chip	Gray / white
19	2 <sup>nd</sup> floor – Southwest Entry Wall	paint-chip	Gray / white
20	1 <sup>st</sup> floor – East Wall	paint-chip	Green / White
21	1 <sup>st</sup> floor – Southeast Wall	paint-chip	Green / White
22	1 <sup>st</sup> floor – Central South Wall	paint-chip	Green / White
23	1 <sup>st</sup> floor – Southwest Wall	paint-chip	Green / White
24	1 <sup>st</sup> floor – West Wall	paint-chip	Green / White
25	1 <sup>st</sup> floor – NW Wall	paint-chip	Green / White
26	1 <sup>st</sup> floor – North Wall	paint-chip	Green / White
27	1 <sup>st</sup> floor – North central Wall	paint-chip	Green / White
28	1 <sup>st</sup> floor – NE Entry Door	paint-chip	Dark Green
29	1 <sup>st</sup> floor – North Entry Wall	paint-chip	Dark Green
30	1 <sup>st</sup> floor – NW Entry Wall	paint-chip	Dark Green

**TAT:** 48 hours

**Delivery Method:** US Mail - Express

**Send Results to:** Florida Office

**Billing to Florida Office**

**Email:** encon@mail.com

**EMSL Analytical**

200 Route 130 North  
CINNAMINSON, NJ08077

*Maxcess Armantrading*  
Maxcess Armantrading



“INTEGRITY IN INDOOR AIR QUALITY”

Serving the Virgin Islands for over 25 years

ENCON is a registered trademark in the U.S. Patent and Trademark Office



202107028

# Environmental Concepts Inc.

1115 Strand Street – Suite 2E , Christiansted, St. Croix, USVI 00820 - 340-771-0550 & 340-778-3221 - encon@mail.com

## Chain of Custody / Analysis Request Form

**Project Name:** Old mental Health – Knud Hansen **Page:** 3 of 3

**Address:** Hospital Ground – St. Thomas , US Virgin Islands 00820

**Date:** September 3, 2021 **Name of inspector:** Maxcess Armantrading

**O Lead Paint by AAS**

Nbr	Description Location	Material	Color
31	1 <sup>st</sup> floor – West Central Wall	paint-chip	Dark Green
32	1 <sup>st</sup> floor – Southwest wall	paint-chip	Dark Green
33	2 <sup>nd</sup> floor floor – Door & Door Jamb	paint-chip	Yellow / white
34	2 <sup>nd</sup> floor – Door	paint-chip	Yellow / white
35	1 <sup>st</sup> floor – Door & Door Jamb	paint-chip	Yellow / white
36	1 <sup>st</sup> floor – Door & Door Jamb	paint-chip	Yellow / white
37	1 <sup>st</sup> floor – Door & Door Jamb	paint-chip	Turquoise / White
38	1 <sup>st</sup> floor – Hand Rail	paint-chip	Black

**TAT:** 48 hours

**Delivery Method:** US Mail - Express

**Send Results to:** Florida Office

**Billing to Florida Office**

**EEmail:** encon@mail.com

**EMSL Analytical**  
200 Route 130 North  
CINNAMINSON, NJ08077

Maxcess Armantrading



“INTEGRITY IN INDOOR AIR QUALITY”

Serving the Virgin Islands for over 25 years

ENCON is a registered trademark in the U.S. Patent and Trademark Office



Environmental Restoration Specialists

**ASBESTOS CONTAINING MATERIALS SURVEY  
THE KNUD HANSEN TOWER BUILDING  
1303 HOSPITAL GROUND  
CHARLOTTE AMALIE, ST. THOMAS, USVI**

**Prepared for:**

**Ms. Bria D. James  
DOH Healthcare Project Manager  
Division of Project Management & Capital Projects  
VI Department of Health  
St. Croix, USVI**

**April 8<sup>th</sup>, 2024**

P. O. Box 308744, St. Thomas, USVI 00803 Tel. (340) 642-6665 [www.onsitepr.com](http://www.onsitepr.com)



**INTEGRATED GLOBAL SOLUTIONS**  
90 Road 165 Suite 307 CIM, Tower 2 Guaynabo, PR 00968  
T: 787-693-7777 / 787-693-8887 | F: 787.693.0888  
www.integrated-corp.com

## **ASBESTOS CONTAINING MATERIALS SURVEY**

### **THE KNUD HANSEN TOWER BUILDING 1303 HOSPITAL GROUND CHARLOTTE AMALIE, ST. THOMAS USVI**



**Prepared for:**

**ON-SITE ENVIRONMENTAL, INC.**

**Prepared by:**

**INTEGRATED GLOBAL SOLUTIONS**

**APRIL 8, 2024**



## Table of Contents

- I. Summary
- II. Introduction
- III. General Background
- IV. National Emissions Standards for Hazardous Air Pollutants (NESHAP)
- V. Project Identification/Description
- VI. Methods of Building Inspections
- VII. Sampling Methods
- VIII. Inspection Results
- IX. Conclusions
- X. Conditions, Limitations and Disclaimer
- XI. Appendixes

Appendix I. Accreditations

Appendix II. General View of Inspected Structures

Appendix III. Laboratory Analysis Report

Appendix IV. Summary of Asbestos Positive Results

Appendix V. Positive ACM Presence Pictures





## I. Summary

An environmental survey for Asbestos Containing Materials (ACM) was conducted by Integrated Global Solutions under contract by On-Site Environmental, Inc. on April 8, 2024, for The Knud Hansen Tower Building. Four (4) story building located at 1303 Hospital Ground, Charlotte Amalie, St. Thomas USVI. The purpose of this survey included sampling and physical evaluations of suspicious ACM material and to identify ACM on the structure scheduled for demolition or renovation.

This survey report can help owners develop a plan for eliminating any asbestos hazards that were found and may aid in establishing ongoing asbestos containing materials maintenance and re-evaluation program, if needed.

**ASBESTOS WERE FOUND IN SAMPLED MATERIALS AT THE TIME OF THE SURVEY. SEE APPENDIX IV FOR DETAILS.**

## II. Introduction

An environmental survey for Asbestos Containing Materials (ACM) was conducted by Integrated Global Solutions under contract by On-Site Environmental, Inc. on April 8, 2024, for The Knud Hansen Tower Building. Four (4) story building located at 1303 Hospital Ground, Charlotte Amalie, St. Thomas USVI. The asbestos investigation was conducted by Miguel A. Cortés Santiago an AHERA Certified Asbestos Building Inspector (License number ASB-0523-0231-SI)

## III. General Background

Asbestos was used in the construction industry from 1900 to 1989. It is still used today in various products. The health effects of asbestos have been studied since the 1930's. More health studies have been conducted in asbestos than any other natural substance. The mere presence of asbestos containing materials does not necessarily constitute a health hazard. However, when these materials become disturbed from building renovation, maintenance, or other everyday activity that allows fibers to be released into the environment, then a potential hazard does exist.

The relationship between exposure level and health risk is very complex. Although this relationship is not completely understood, asbestos exposure has been associated with various types of lung diseases including a debilitating disease called asbestosis; a rare cancer of the chest called mesothelioma; and cancers of the esophagus, stomach, colon and other organs. Asbestos is not fatal; it is, however, incurable. One who has it cannot breathe easily and physical activity becomes limited. Mesothelioma is 100% fatal, as there is no cure.

These diseases can be directly linked to the mineral of asbestos in the particle form that can be found in the lining of the lung and stomach, since the body cannot absorb these minerals. Tests have determined that asbestos can cause cancer, but scientists disagree on the amount of asbestos fibers that must be inhaled to cause cancer. The nose filters out all visible particles. Therefore, only microscopic fibers are the ones who cause the problem. Studies indicate different health effects resulting from exposure to chrysolite asbestos versus exposure to amphibole form of asbestos. The latter, which include tremolite, amosite, anthophyllite and crocidolite have more significant health impact than chrysolite.

Some scientists' studies concluded that the dimensions of the fiber which ones enter in the lung area, resulting in cancer. Long, thin fibers, greater than 8 microns in length and less than 0.25 microns in diameter show the highest potential of cancer development.

#### IV. National Emissions Standards for Hazardous Air Pollutants (NESHAP)

The EPA's rules concerning the application, removal and disposal of ACM, as well as manufacturing, spraying and fabricating of ACM were issued under the asbestos NESHAP regulation, under the 40 CFR 61 Subpart M on October 30, 1997. The asbestos NESHAP regulation governs asbestos demolition and renovation projects in all facilities. The NESHAP rule usually requires owners or operators to have all friable ACM removed before the building is demolished and may require its removal before renovation. If friable ACM shall be disturbed, the NESHAP rule may require appropriate work practice, or



procedures for emission control. The rules state that any ACM which may become friable poses a potential hazard that should be addressed.

A revised NESHAP ruling released on November 20, 1990 (effective on February 20, 1991) which includes the responsibility of the owner, or operator, to “prior to commencement of the demolition or renovation, thoroughly inspect the affected facility or part of the facility where demolition or renovation operation will occur for the presence of asbestos, including Category I and Category II non-friable ACM” (40 CFR Part 61, National Emission Standard for Hazardous Air Pollutants, Asbestos NESHAP revision, Final Rule, November 20, 1990).

## V. Project Description / Identification

This project consists of ACM survey for The Knud Hansen Tower Building. Four (4) story building located at 1303 Hospital Ground, Charlotte Amalie, St. Thomas USVI.

## VI. Method of Building Inspection

The visual inspection was conducted according to the condition of ACM in that location and the potential for material disturbance. The assessment scheme followed the recommendations by EPA as a result of the Asbestos Hazard Emergency Response Act and outlined in the 40 CFR Part 763.88 dated October 30, 1987, and amended by 40 CFR Part 61, NESHAP (40 CFR Part 61, National Emission Standard for Hazardous Air Pollutants, Asbestos NESHAP revision, Final Rule, November 20, 1990).

The functional space was visited and visually inspected to identify the location of any suspected ACM. An assessment was then made of the friability of suspected ACM by touching the material to determine if it could be pulverized, crumbled or reduced to powder by hand pressure. Upon completion of the suspect material and grouped into “homogenous sampling areas”, i.e., areas which are uniform by color, texture, construction/application date and general appearance.





ACM was categorized as follow:

1. Category I, non-friable containing materials (ACM). This includes asbestos containing packings, gaskets, resilient floor covering and asphalt roofing products containing more than 1% asbestos.
2. Category II, non-friable ACM. This includes any materials, excluding Category I non-friable ACM containing more than 1% asbestos, that when dry cannot be crumbled, pulverized or reduced to powder by hand pressure.
3. Friable asbestos materials. This includes any material containing more than 1% asbestos that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure.

Physical hazard assessment was performed based on AHERA regulations. This protocol provides separate analysis for three types of materials: surfacing, thermal insulation and miscellaneous. However, this protocol does not provide a means for relative ranking of individual hazards within the category. Therefore, a separate analysis was performed to assess hazard ranking which could be used for this type of material. The hazard assessment combines the level of potential disturbance with the current condition of ACM to indicate overall hazard potential.

The rankings of potential hazards range from 1-most hazardous to 7-least hazardous. The highest rank is reserved for ACM, which is significantly damaged. A review of the definition of “significant damage” reveals that the definitions are designed to identify ACBM, which is so extensively damaged or deteriorated, that requires immediate corrective action. Hazard rank 2-4 reflects ACBM, which is damaged as defined AHERA, with rank 2 indicating a “potential for significant damage” and rank 3 indicating a “potential for damage”. Hazard ranks 5-7 are reserved for ACBM currently in good condition, but with a range in the likelihood for future disturbance.





## VII. Sampling Methods

An asbestos survey was conducted for suspected ACM for The Knud Hansen Tower Building. Four (4) story building located at 1303 Hospital Ground, Charlotte Amalie, St. Thomas USVI.

## VIII. Conclusions

**ASBESTOS WERE FOUND IN SAMPLED MATERIALS AT THE TIME OF THE SURVEY. IT IS RECCOMENDED TO HIRE THE SERVICES OF AN ASBESTOS ABATEMENT LICENSE ENTITY TO REMOVED THE BLACK MASTIC HAZARD AND PRESENT TO THE REGULATOR, VI DPNR A WORK PLAN.**

## IX. Conditions, Limitations and Disclaimer

Integrated Global Solutions has performed this Asbestos Containing Materials Survey in a thorough and professional manner consistent with commonly accepted industry standards. The preparer cannot guarantee and does not warrant this evaluation has identified all adverse environmental factors and/or conditions affecting this property on the date of the survey.

The results reported and conclusions reached by the preparer are solely for the benefit of the owner. The results and opinions in this report, based solely on the conditions found at the property on the date of the survey, are valid only on that date. The preparer assumes no obligation to advise the owner of any changes in any real or potential lead base paint hazards all this facility beyond the date of the survey.





**INTEGRATED GLOBAL SOLUTIONS**  
90 Road 165 Suite 307 CIM, Tower 2 Guaynabo, PR 00968  
T: 787-693-7777 / 787-693-8887 | F: 787.693.0888  
[www.integrated-corp.com](http://www.integrated-corp.com)

## **APPENDIX I. ACCREDITATIONS**



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**AES International**

611 Monserrate

Santurce, PR 00907

Mr. Ady Padan

Phone: 787-722-0220 Fax: 787-724-5788

Email: [yotal@bellsouth.net](mailto:yotal@bellsouth.net)

<http://www.aesipr.org>

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 200051-0**

**Bulk Asbestos Analysis**

**Code**

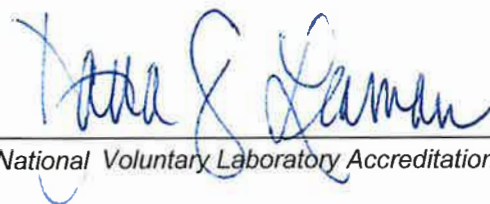
**Description**

18/A01

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials



*For the National Voluntary Laboratory Accreditation Program*

United States Department of Commerce  
National Institute of Standards and Technology



---

# Certificate of Accreditation to ISO/IEC 17025:2017

---

NVLAP LAB CODE: 200051-0

**AES International**  
Santurce, PR

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:

## **Asbestos Fiber Analysis**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).

---

2024-01-01 through 2024-12-31

Effective Dates



A handwritten signature in blue ink, appearing to read 'Peter S. Saman'.

For the National Voluntary Laboratory Accreditation Program



**INTEGRATED GLOBAL SOLUTIONS**

90 Road 165 Suite 307 CIM, Tower 2 Guaynabo, PR 00968  
T: 787-693-7777 / 787-693-8887 | F: 787.693.0888  
www.integrated-corp.com

	<p>TARJETA DE REGISTRO PARA LA REMOCION DE ASBESTO</p> <p>Esta tarjeta autoriza a:</p> <p><b><i>Miguel A. Cortés Santiago</i></b></p> <p><b>Inspector</b></p> <p>A trabajar en la remoción de asbesto en Puerto Rico. Esta persona <b>NO</b> es un empleado del DRNA.</p> <p></p> <p>Firma Autorizada - Departamento Recursos Naturales y Ambientales</p>
<p><b>ASB-0523-0231-SI</b></p> <p>Número de Registro</p>	
<p><b>18-abr-2024</b></p> <p>Fecha de vencimiento</p>	





**INTEGRATED GLOBAL SOLUTIONS**  
90 Road 165 Suite 307 CIM, Tower 2 Guaynabo, PR 00968  
T: 787-693-7777 / 787-693-8887 | F: 787.693.0888  
[www.integrated-corp.com](http://www.integrated-corp.com)

## **APPENDIX II. GENERAL VIEW OF INSPECTED STRUCTURE**





**INTEGRATED GLOBAL SOLUTIONS**  
90 Road 165 Suite 307 CIM, Tower 2 Guaynabo, PR 00968  
T: 787-693-7777 / 787-693-8887 | F: 787.693.0888  
[www.integrated-corp.com](http://www.integrated-corp.com)





**INTEGRATED GLOBAL SOLUTIONS**  
90 Road 165 Suite 307 CIM, Tower 2 Guaynabo, PR 00968  
T: 787-693-7777 / 787-693-8887 | F: 787.693.0888  
[www.integrated-corp.com](http://www.integrated-corp.com)

## **APPENDIX III. LABORATORY ANALYSIS REPORT**





ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B24040018



REPORT NUMBER



RP24041915

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	Integrated Global Solutions	Date Collected:	04/09/2024
Project Name:	The Knud Hansen Tower Bldg. St. Thomas	Date Received:	04/11/2024
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID Client Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
<b>B24040018.01</b> B24040018.01.A STT-040924-HA1-01 Layer % of Total :100%	Hard, Compact Partly Granular with Black Mastic Other - and fibers Cream	Yes	Chrysotile 3	Cellulose 2	Sand/Aggregates 35 Bitumen 20 Binders/Paint 40
Date Analyzed: 04/12/2024 Sample Location: 4th Floor; Elevator Lobby; VFT w/ Mastic; Cream Comments: Asbestos found in black mastic					
<b>B24040018.02</b> B24040018.02.A STT-040924-HA1-02 Layer % of Total :100%	Hard, Compact Partly Granular with Black Mastic Other - and fibers Cream	Yes	Chrysotile 4	Cellulose 2	Sand/Aggregates 36 Bitumen 14 Binders/Paint 44
Date Analyzed: 04/12/2024 Sample Location: 3rd. Floor; Room 907; VFT w/ Mastic; Cream Comments: Asbestos found in black mastic					
<b>B24040018.03</b> B24040018.03.A STT-040924-HA1-03 Layer % of Total :100%	Hard, Compact Partly Granular with Black Mastic Other - and fibers Cream	Yes	Chrysotile 3	Cellulose 3	Bitumen 20 Sand/Aggregates 34 Binders/Paint 40
Date Analyzed: 04/12/2024 Sample Location: 3rd. Floor; Room 904; VFT w/ Mastic; Cream Comments: Asbestos found in black mastic					

MICROANALYST:

Jessica Garcia

QUALITY CONTROL:

Elme Rivera

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials. Quantitative TEM is currently the only method that can be used to get the conclusive asbestos content. This report relates only to the items tested as received. This report shall not be reproduced except in full and not without written approval of the laboratory. This report shall not be used to claim endorsement by NVLAP or any agency of the US Government. Methods used for determination of asbestos in bulk samples are found in both methods App. E to Sub. E of 40 CFR Part 763 and EPA/600/R-93/116.



ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B24040018



REPORT NUMBER

RP24041915

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Table with client and project information: Client Name, Project Name, Date Collected, Date Received, Project ID.

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Main analysis table with columns: Lab Sample ID, Client Sample ID, Sample Description, Asbestos Detected, Asbestos Fibers, Other Fibers, Non-Fibrous Material. Includes three sample entries (B24040018.04, B24040018.05, B24040018.06) with their respective descriptions and results.

MICROANALYST:

Jessica Garcia

QUALITY CONTROL:

Elme Rivera

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials. Quantitative TEM is currently the only method that can be used to get the conclusive asbestos content. This report relates only to the items tested as received. This report shall not be reproduced except in full and not without written approval of the laboratory. This report shall not be used to claim endorsement by NVLAP or any agency of the US Government. Methods used for determination of asbestos in bulk samples are found in both methods App. E to Sub. E of 40 CFR Part 763 and EPA/600/R-93/116.



ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B24040018



REPORT NUMBER



RP24041915

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	Integrated Global Solutions	Date Collected:	04/09/2024
Project Name:	The Knud Hansen Tower Bldg. St. Thomas	Date Received:	04/11/2024
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
---------------	--------------------	-------------------	-----------------	--------------	------------------------

Date Analyzed: 04/12/2024

Sample Location: 4th Floor; Hallway; 2' x 4' Ceiling Tile; White

Comments:

Paint included as binder

<b>B24040018.07</b>	Semi Hard, Silty to Perlitic, to fibrous with	No		Cellulose 37 Glass Fibers 3	Perlite 40 Expanded Glass 5 Binders/Paint 15
B24040018.07.A	Other - expanded glass and paint				
STT-040924-HA2-07	Lt gray				
Layer % of Total :100%					

Date Analyzed: 04/12/2024

Sample Location: 4th Floor; Room 1002; 2' x 4' Ceiling Tile; White

Comments:

Paint included as binder

<b>B24040018.08</b>	Semi Hard, Silty to Perlitic, to fibrous with	No		Cellulose 40 Glass Fibers 5	Perlite 45 Expanded Glass 5 Binders/Paint 5
B24040018.08.A	Other - expanded glass and paint				
STT-040924-HA2-08	Lt gray				
Layer % of Total :100%					

Date Analyzed: 04/12/2024

Sample Location: 3rd Floor; Room 901; 2' x 4' Ceiling Tile; White

Comments:

Paint included as binder

<b>B24040018.09</b>	Semi Hard, Silty to Perlitic, to fibrous with	No		Cellulose 35 Glass Fibers 5	Perlite 42 Expanded Glass 8 Binders/Paint 10
B24040018.09.A	Other - expanded glass and paint				
STT-040924-HA2-09	Lt gray				
Layer % of Total :100%					

Date Analyzed: 04/12/2024

Sample Location: 2nd Floor; Room 806; 2' x 4' Ceiling Tile; White

MICROANALYST:

Jessica Garcia

QUALITY CONTROL:

Elme Rivera

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials. Quantitative TEM is currently the only method that can be used to get the conclusive asbestos content. This report relates only to the items tested as received. This report shall not be reproduced except in full and not without written approval of the laboratory. This report shall not be used to claim endorsement by NVLAP or any agency of the US Government. Methods used for determination of asbestos in bulk samples are found in both methods App. E to Sub. E of 40 CFR Part 763 and EPA/600/R-93/116.



ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B24040018



REPORT NUMBER



RP24041915

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	Integrated Global Solutions	Date Collected:	04/09/2024
Project Name:	The Knud Hansen Tower Bldg. St. Thomas	Date Received:	04/11/2024
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
---------------	--------------------	-------------------	-----------------	--------------	------------------------

Comments:  
Paint included as binder

<b>B24040018.10</b> B24040018.10.A STT-040924-HA2-10 Layer % of Total :100%	Semi Hard, Silty to Perlitic, to fibrous with Other - expanded glass and paint Lt gray	No		Cellulose 30 Glass Fibers 5	Perlite 35 Expanded Glass 5 Binders/Paint 25
--	---	----	--	--------------------------------	--

Date Analyzed: 04/12/2024

Sample Location: 1st floor; Lobby, 2' x 4' Ceiling Tile; White

Comments:  
Paint included as binder

<b>B24040018.11</b> B24040018.11.A STT-040924-HA3-11 Layer % of Total :100%	Semi Hard, Vinyl With Glue And Fibers Brown	No		Cellulose 5	Vinyl 80 Glue 15
--	--	----	--	-------------	---------------------

Layer % of Total :100%

Date Analyzed: 04/12/2024

Sample Location: 4th Floor; Hallway; Baseboard w/ Glue; Brown

Comments:

<b>B24040018.12</b> B24040018.12.A STT-040924-HA3-12 Layer % of Total :100%	Semi Hard, Vinyl With Glue And Fibers Brown	No		Cellulose 6	Glue 14 Vinyl 80
--	--	----	--	-------------	---------------------

Layer % of Total :100%

Date Analyzed: 04/12/2024

Sample Location: 3rd Floor; Room 907; Baseboard w/ Glue; Brown

Comments:

MICROANALYST:   
Jessica Garcia

QUALITY CONTROL:   
Elme Rivera

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials. Quantitative TEM is currently the only method that can be used to get the conclusive asbestos content. This report relates only to the items tested as received. This report shall not be reproduced except in full and not without written approval of the laboratory. This report shall not be used to claim endorsement by NVLAP or any agency of the US Government. Methods used for determination of asbestos in bulk samples are found in both methods App. E to Sub. E of 40 CFR Part 763 and EPA/600/R-93/116.



ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B24040018



REPORT NUMBER



RP24041915

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	Integrated Global Solutions	Date Collected:	04/09/2024
Project Name:	The Knud Hansen Tower Bldg. St. Thomas	Date Received:	04/11/2024
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
---------------	--------------------	-------------------	-----------------	--------------	------------------------

<b>B24040018.13</b>	Semi Hard, Vinyl With Glue And Fibers Brown	No		Cellulose 3	Glue 12 Vinyl 85
B24040018.13.A					
STT-040924-HA3-13					
Layer % of Total :100%					

Date Analyzed: 04/12/2024

Sample Location: 2nd Floor; Room 804; Baseboard w/ Glue; Brown

Comments:

Comments:

For all heterogeneous and layered samples easily separated into sublayers, each component is analyzed and reported separately. Samples are analyzed by PLM using dispersion staining techniques in accordance with US EPA methods App. E to Sub. E of 40 CFR Part 763 and EPA/600/R-93/116.

MICROANALYST:

Jessica Garcia

QUALITY CONTROL:

Elme Rivera

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials. Quantitative TEM is currently the only method that can be used to get the conclusive asbestos content. This report relates only to the items tested as received. This report shall not be reproduced except in full and not without written approval of the laboratory. This report shall not be used to claim endorsement by NVLAP or any agency of the US Government. Methods used for determination of asbestos in bulk samples are found in both methods App. E to Sub. E of 40 CFR Part 763 and EPA/600/R-93/116.

**CHAIN OF CUSTODY (TRANSMITTAL SHEET FOR SAMPLES)**

INTEGRATED GLOBAL SOLUTIONS  
 90 Road 165 Suite 307 CIM Tower 2 Guaynabo, PR 00968  
 T: 787-693-7777 / 787-693-9887 | F: 787-693-0888  
 www.integrated-corp.com

COC#:

<b>Customer Name:</b> On-Site Environmental, Inc.		<b>Project Name:</b> The Knud Hansen Tower Bldg. St. Thomas							
<b>Contact:</b> Ricardo Alvarez	<b>Total Samples:</b> 13	<b>Job Number:</b>							
<b>Phone/Fax/E-mail:</b> N/A	<b>EQB Certified Inspector ID:</b> ASB-0523-0231-SI	<b>Remarks:</b>							
<b>Collected by:</b> M. Cortés/mcortés@integrated-corp.com	<b>Structure Address:</b>								
<b>Analyzed by Lab:</b>	St. Thomas USVI								
<b>AIHA Lab ID:</b>	Bulk Samples								
<b>Project Description:</b> Bulk Samples									
Sample No.	Date	Time	Sample Description	Bulk	Water	Wipe	Soil	Paint Chip	TCLP
STT-040924-HA1-01	9-Apr-24	8:30	4th. Floor; Elevator Lobby; VFT w/ mastic, Cream	X					.01
STT-040924-HA1-02	9-Apr-24	8:45	3rd. Floor; Room 907; VFT w/ mastic, Cream	X					.02
STT-040924-HA1-03	9-Apr-24	9:05	3rd. Floor; Room 904; VFT w/ mastic, Cream	X					.03
STT-040924-HA1-04	9-Apr-24	9:20	2nd. Floor; Room 806; VFT w/ mastic, Cream	X					.04
STT-040924-HA1-05	9-Apr-24	9:35	1st. Floor; Cubicles Area; VFT w/ mastic, Cream	X					.05
STT-040924-HA2-06	9-Apr-24	8:35	4th. Floor; Hallway; 2'x4' Ceiling Tile; White	X					.06
STT-040924-HA2-07	9-Apr-24	8:40	4th. Floor; Room 1002; 2'x4' Ceiling Tile; White	X					.07
STT-040924-HA2-08	9-Apr-24	8:55	3rd. Floor; Room 901; 2'x4' Ceiling Tile; White	X					.08
STT-040924-HA2-09	9-Apr-24	9:25	2nd. Floor; Room 806; 2'x4' Ceiling Tile, White	X					.09
STT-040924-HA2-10	9-Apr-24	9:45	1st. Floor; Lobby; 2'x4' Ceiling Tile; White	X					.10
<b>Turn Around Time: Normal: X 3 days</b>				<b>Rush: 24 hours</b>		<b>Rush: 16 hours</b>			
<b>Sampling Collected by:</b> Miguel A. Cortés	<b>Relinquished by:</b> Miguel A. Cortés	<b>Received by:</b>	<b>Delivery to Lab by:</b>	<b>Received at Lab by:</b> Miguel A. Cortés					
<b>Date:</b> Apr-9-24 0830	<b>Date:</b> Apr-11-24 0800	<b>Date:</b> Apr-11-24 0800	<b>Date:</b> 04/02/24	<b>Date:</b> 4/11/24					
<b>Time:</b>	<b>Time:</b>	<b>Time:</b>	<b>Time:</b>	<b>Time:</b> 11:48					

Job ID: B24040018



Integrated Global Solutions



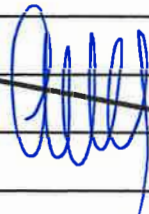
INTEGRATED GLOBAL SOLUTIONS  
 90 Road 165 Suite 307 CIM, Tower 2 Guaynabo, PR 00968  
 T: 787-693-7777 / 787-693-8887 | F: 787-693-0888  
 www.integrated-corp.com

CHAIN OF CUSTODY (TRANSMITTAL SHEET FOR SAMPLES)

COC#:  

Customer Name:	On-Site Environmental, Inc.	Project Name:	The Knud Hansen Tower Bldg, St. Thomas		
Contact:	Ricardo Álvarez	Total Samples:	13		Job Number:
Phone/Fax/E-mail:	N/A	EQB Certified Inspector ID:	ASB-0523-0231-SI		Remarks:
Collected by:	M. Cortés/ mcortes@integrated-corp.com	Structure Address:			Bulk Samples
Analyzed by Lab:		St. Thomas USVI			
AIHA Lab ID:					

Project Description: Bulk Samples

Sample No.	Date	Time	Sample Description	Sample Type: <span style="color: blue;">24040018</span>						
				Bulk	Water	Wipe	Soil	Paint Chip	TCLP	
STT-040924-HA3-11	9-Apr-24	8:20	4th. Floor; Hallway; Baseboard w/ glue; Brown	X						-11
STT-040924-HA3-12	9-Apr-24	9:00	3rd. Floor; Room 907; Baseboard w/ glue; Brown	X						-12
STT-040924-HA3-13	9-Apr-24	9:15	2nd. Floor; Room 804; Baseboard w/ glue; Brown	X						-13
<div style="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em; color: blue;">  </div> </div>										

Turn Around Time: Normal:  3 days      Rush:  24 hours      Rush:  16 hours

Sampling Collected by:	Relinquished by:	Received by:	Relinquished by:	Received by:	Delivery to Lab by:	Received at Lab by:
<span style="color: blue;">Miguel A. Cortés</span>	<span style="color: blue;">Miguel A. Cortés</span>				<span style="color: blue;">Miguel A. Cortés</span>	<span style="color: blue;">Miguel A. Cortés</span>
Date:    Time:	Date:    Time:	Date:    Time:	Date:    Time:	Date:    Time:	Date:    Time:	Date:    Time:
Apr-9-24 0830	Apr-11-24 0800				04/11/24 1630	4/11/24 11:48

Job ID: B24040018



Integrated Global Solutions



**INTEGRATED GLOBAL SOLUTIONS**  
90 Road 165 Suite 307 CIM, Tower 2 Guaynabo, PR 00968  
T: 787-693-7777 / 787-693-8887 | F: 787.693.0888  
[www.integrated-corp.com](http://www.integrated-corp.com)

## **APPENDIX IV. SUMMARY OF ASBESTOS POSITIVE RESULTS**



Location	Material Type/ Color	Material Texture	Asbesto Results (%)	Floor Designation	Material Location	Location	Sample ID	Approx Quantity (SF)	Sample Content	Asbestos Type	Friable	Sample Date	Consultant	Method	Lab	Notes
Knud Hansen Tower Bldg	Floor Tiles/ Cream	Smooth	3	Four	Elevator Lobby	All Floor	STT-040924-HA1-01	6,000	>1%-10%	Chrysotile	No	Apr-9-24	IGS	PLM	AESI	Asbestos found in black mastic
Knud Hansen Tower Bldg	Floor Tiles/ Cream	Smooth	4	Three	Room 907	All Floor	STT-040924-HA1-02		>1%-10%	Chrysotile	No	Apr-9-24	IGS	PLM	AESI	Asbestos found in black mastic
Knud Hansen Tower Bldg	Floor Tiles/ Cream	Smooth	3	Three	Room 904	All Floor	STT-040924-HA1-03		>1%-10%	Chrysotile	No	Apr-9-24	IGS	PLM	AESI	Asbestos found in black mastic
Knud Hansen Tower Bldg	Floor Tiles/ Cream	Smooth	3	Two	Room 806	All Floor	STT-040924-HA1-04		>1%-10%	Chrysotile	No	Apr-9-24	IGS	PLM	AESI	Asbestos found in black mastic



**INTEGRATED GLOBAL SOLUTIONS**  
90 Road 165 Suite 307 CIM, Tower 2 Guaynabo, PR 00968  
T: 787-693-7777 / 787-693-8887 | F: 787.693.0888  
[www.integrated-corp.com](http://www.integrated-corp.com)

## **APPENDIX V. POSITIVE ACM PRESENCE PICTURES**





**INTEGRATED GLOBAL SOLUTIONS**  
90 Road 165 Suite 307 CIM, Tower 2 Guaynabo, PR 00968  
T: 787-693-7777 / 787-693-8887 | F: 787.693.0888  
[www.integrated-corp.com](http://www.integrated-corp.com)



**FLOORS 2, 3, 4; VYNIL FLOOR TILES WITH BLACK MASTIC;  
CREAM; APPROX. 6,000 SF**





**INTEGRATED GLOBAL SOLUTIONS**  
90 Road 165 Suite 307 CIM, Tower 2 Guaynabo, PR 00968  
T: 787-693-7777 / 787-693-8887 | F: 787.693.0888  
[www.integrated-corp.com](http://www.integrated-corp.com)



**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX**

**MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)**

**BUILDING AND EQUIPMENT (DHS)**

**TOWER REPLACEMENT (DOH)**

**ATTACHMENT C. CD DRAWINGS, REPORTS, PLANS, AND SURVEYS**

- OLD MENTAL HEALTH BUILDING – 60% DEMOLITION DRAWINGS
- KNUD HANSEN DHS BUILDINGS AND EQUIPMENT – 60% DEMOLITION DRAWINGS
- KNUD HANSEN DOH TOWER – 60% DEMOLITION DRAWINGS
- KNUD HANSEN BUILDINGS & EQUIPMENT – 30% CONSTRUCTION DOCUMENTS
- KNUD HANSEN DOH TOWER – 30% CONSTRUCTION DOCUMENTS

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX  
MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)  
BUILDING AND EQUIPMENT (DHS)  
TOWER REPLACEMENT (DOH)**

**ATTACHMENT D. AGENCY APPROVALS**

- **DPNR**
  - **Applications to be Submitted:**
    - **Building (Commercial Building Permit)**
      - **Demolition (includes Hazardous Material Review)**
      - **Earth Change**
      - **TPDES**
    - **Coastal Zone Management**
      - **Federal Consistency**
        - **Pre-Application Meeting – Mtg. Held 2/11/2026**
        - **Federal Consistency Determination**
- **VI Fire and Emergency Medical Services**
  - **Applications to be Submitted:**
    - **Plan Review/Approval**
- **Waste Management (during construction Owner/GC will coordinate)**
  - **Approvals Not Yet Received**
    - **Public Sewer Connection**
- **Department of Public Works**
  - **Applications to be Submitted:**
    - **Driveway Permit**
    - **Road Excavation Permit**

**FEDERAL CONSISTENCY APPLICATION SUBMITTAL PACKAGE**

**ODR TASK #2020-03**

**ODR TASK #010-9-101918**

**ODR TASK #010-8-101472**

**US VIRGIN ISLANDS**

**KNUD HANSEN COMPLEX**

**MENTAL HEALTH BUILDING DEMOLITION AND PARKING AREA (DOH)**

**BUILDING AND EQUIPMENT (DHS)**

**TOWER REPLACEMENT (DOH)**

**ATTACHMENT E. PHOTOGRAPHS**

**Existing Conditions**



**GENERAL DEMOLITION NOTES**

1. THIS PLAN IS A GENERAL REPRESENTATION OF EXISTING CONDITIONS. IT IS INTENDED FOR REFERENCE ONLY. THIS PLAN IS NOT INTENDED TO BE A DETAILED DESCRIPTION OF ALL REQUIRED WORK.
2. PRIOR TO CONSTRUCTION, CONTRACTOR TO FIELD VERIFY ALL SITE AND BUILDING LAYOUT DIMENSIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IMMEDIATELY.
3. DIMENSIONS HAVE NOT BEEN FULLY VERIFIED AND ARE SHOWN FOR GENERAL DEFINITION OF SCALE AND EXTENTS OF SCOPE WHERE SHOWN.
4. ALL TREES ARE TO REMAIN AND WHERE ADJACENT TO BUILDING DEMOLITION, SHOULD BE PROTECTED FROM ALL DAMAGE, TYPICAL, UNLESS OTHERWISE NOTED - REFER TO CIVIL.
5. REMOVAL OF BUILDINGS SHALL INCLUDE ENTIRE SITE BEING CLEARED DOWN TO SOIL, TYPICAL.
6. DEMOLITION INCLUDES HAULING AND PROPER DISPOSAL - REFER TO SPECIFICATIONS.
7. DEMOLITION INCLUDES REMOVAL OF ALL TRASH AND ABANDONED VEHICLES ON SITE.
8. COORDINATE REQUIREMENTS AND LOCATION OF THE DEMARCATION WITH THE LOCAL TELEPHONE COMPANY AND IT DEPARTMENT.
9. ALL AREAS NOT NOTED FOR DEMOLITION ARE TO BE PROTECTED.
10. MAINTAIN TEMPORARY POWER TO SITE - COORDINATE WITH OWNER AND UTILITY.
11. REFER TO CIVIL UTILITY LOCATIONS AND SITE DEMOLITION SCOPE.
12. CONTRACTOR TO FIELD LOCATE EXISTING BUILDING POTABLE WATER AND SANITARY SEWER UTILITIES AND CAP SERVICES.
13. CONTRACTOR TO COORDINATE UTILITY DEMOLITION WITH THE ST. THOMAS WATER AND POWER AUTHORITY (WAPA) AND WASTE MANAGEMENT AUTHORITY (WMA) PRIOR TO CONSTRUCTION.
14. CONTRACTOR TO USE CAUTION WHEN DEMOLISHING SEWER PIPE KNOWN TO RUN BELOW BUILDING FOUNDATION. USE ALTERNATE MEANS SUCH AS BY-PASS PUMPING IF NECESSARY TO ENSURE CONTINUATION OF FLOWS DURING CONSTRUCTION. REPAIR PIPE IMMEDIATELY IF IMPACTED DURING FIELD WORK.
15. CONTRACTOR TO REFER TO ELECTRICAL ENGINEER FOR REMOVAL AND REPLACEMENT OF EXISTING ELECTRICAL INFRASTRUCTURE WITHIN THE BUILDING PRIOR TO DEMOLITION.
16. REFER TO SHEETS G005-G007 FOR PICTURES OF EXISTING CONDITIONS.



IMPROVE DOCUMENTS FOR IN-CRIM REVIEW ONLY. NOT FOR REGULATORY APPROVAL, PERMIT, OR CONSTRUCTION.

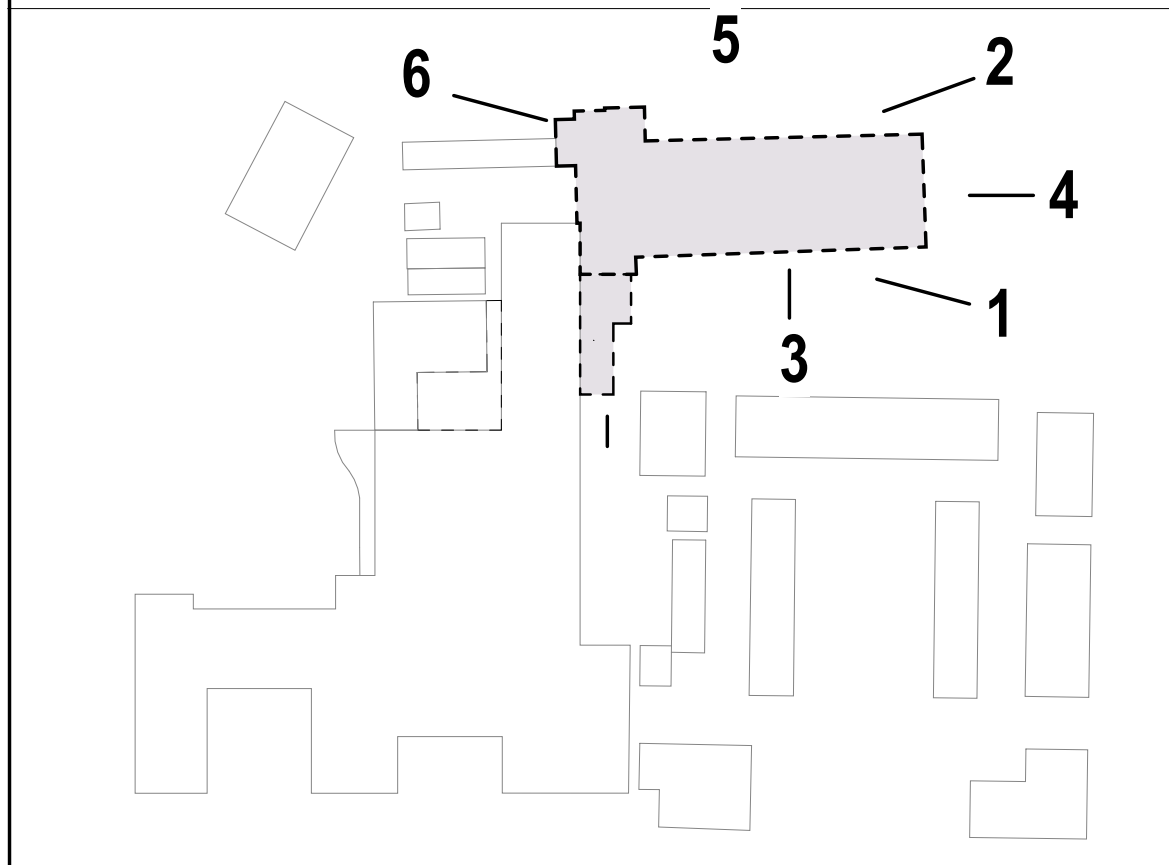
SUBMISSIONS:

Ref	Description	Date
A	Programming	
B	30% CDs	
C	60% CDs	10.15.25
D	90% CDs	
E	100% CDs	

**DEMOLITION SYMBOL LEGEND**

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- EXISTING DOOR TO BE DEMOLISHED
- NOT IN SCOPE / TO REMAIN
- DOH OLD MENTAL HEALTH BUILDING SCOPE
- DOH KNUD HANSEN TOWER SCOPE (FUTURE PHASE - SCOPE NOT NOTED IN THIS DRAWING SET)
- DHS KNUD HANSEN BUILDING SCOPE (FUTURE PHASE - SCOPE NOT NOTED IN THIS DRAWING SET)
- TEMPORARY CONSTRUCTION FENCING

**KEYPLAN**



**OLD MENTAL HEALTH BUILDING**  
 1303 Hospital Ground, Knud Hansen Complex  
 St. Thomas, U.S. Virgin Islands 00802  
 DEMOLITION REFERENCE PHOTOS

REVISIONS:

No.	Description	Date

DRAWN BY: TK8  
 CHECKED BY: JT  
 DATE: 10/27/2025  
 NOVIS JOB NUMBER: 470-21-34  
 OPTI-CRIM DATED NUMBER: 2020-03

SHEET NUMBER  
**G005**

ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF SPRINGLINE ARCHITECTS L.L.C. THE CONCEPTS, IDEAS, DESIGNS AND DETAILS AS SHOWN ON THE DOCUMENTS WERE CREATED, DEVELOPED, AND PRESENTED FOR USE ON THIS SPECIFIC PROJECT AND SHALL NOT BE REUSED FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF SPRINGLINE ARCHITECTS L.L.C. THE OWNER SHALL BE PERMITTED TO RETAIN COPIES FOR INFORMATION AND REFERENCE PURPOSES ONLY.

NOT FOR CONSTRUCTION  
 60% DEMOLITION DRAWINGS



**GENERAL DEMOLITION NOTES**

- THIS PLAN IS A GENERAL REPRESENTATION OF EXISTING CONDITIONS. IT IS INTENDED FOR REFERENCE ONLY. THIS PLAN IS NOT INTENDED TO BE A DETAILED DESCRIPTION OF ALL REQUIRED WORK.
1. PRIOR TO CONSTRUCTION, CONTRACTOR TO FIELD VERIFY ALL SITE AND BUILDING LAYOUT DIMENSIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IMMEDIATELY.
  2. DIMENSIONS HAVE NOT BEEN FULLY VERIFIED AND ARE SHOWN FOR GENERAL DEFINITION OF SCALE AND EXTENTS OF SCOPE WHERE SHOWN.
  3. ALL TREES ARE TO REMAIN AND WHERE ADJACENT TO BUILDING DEMOLITION, SHOULD BE PROTECTED FROM ALL DAMAGE, TYPICAL, UNLESS OTHERWISE NOTED - REFER TO CIVIL.
  4. REMOVAL OF BUILDINGS SHALL INCLUDE ENTIRE SITE BEING CLEARED DOWN TO SOIL, TYPICAL.
  5. DEMOLITION INCLUDES HAULING AND PROPER DISPOSAL - REFER TO SPECIFICATIONS.
  6. DEMOLITION INCLUDES REMOVAL OF ALL TRASH AND ABANDONED VEHICLES ON SITE.
  7. COORDINATE REQUIREMENTS AND LOCATION OF THE DEMARCATION WITH THE LOCAL TELEPHONE COMPANY AND IT DEPARTMENT.
  8. ALL AREAS NOT NOTED FOR DEMOLITION ARE TO BE PROTECTED.
  9. MAINTAIN TEMPORARY POWER TO SITE - COORDINATE WITH OWNER AND UTILITY.
  10. REFER TO CIVIL UTILITY LOCATIONS AND SITE DEMOLITION SCOPE.
  11. CONTRACTOR TO FIELD LOCATE EXISTING BUILDING POTABLE WATER AND SANITARY SEWER UTILITIES AND CAP SERVICES.
  12. CONTRACTOR TO COORDINATE UTILITY DEMOLITION WITH THE ST. THOMAS WATER AND POWER AUTHORITY (WAPA) AND WASTE MANAGEMENT AUTHORITY (WMA) PRIOR TO CONSTRUCTION.
  13. CONTRACTOR TO USE CAUTION WHEN DEMOLISHING SEWER PIPE KNOWN TO RUN BELOW BUILDING FOUNDATION. USE ALTERNATE MEANS SUCH AS BY-PASS PUMPING IF NECESSARY TO ENSURE CONTINUATION OF FLOWS DURING CONSTRUCTION. REPAIR PIPE IMMEDIATELY IF IMPACTED DURING FIELD WORK.
  14. CONTRACTOR TO REFER TO ELECTRICAL ENGINEER FOR REMOVAL AND REPLACEMENT OF EXISTING ELECTRICAL INFRASTRUCTURE WITHIN THE BUILDING PRIOR TO DEMOLITION.
  15. REFER TO SHEETS G005-G007 FOR PICTURES OF EXISTING CONDITIONS.



IMPROGRESS DOCUMENTS FOR INTERNAL REVIEW ONLY. NOT FOR REGULATORY APPROVAL, PERMIT, OR CONSTRUCTION.

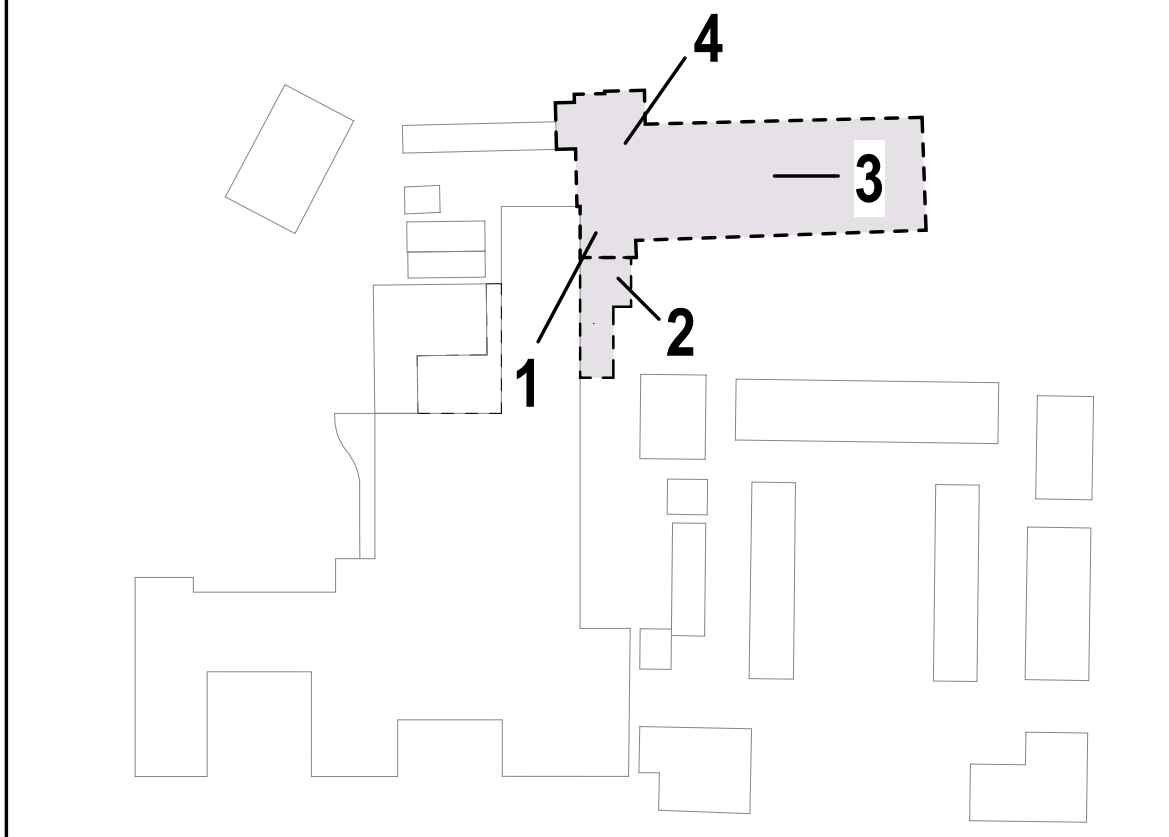
SUBMISSIONS:

Ref	Description	Date
A	Programming	
B	30% CDs	
C	60% CDs	10.15.25
D	90% CDs	
E	100% CDs	

**DEMOLITION SYMBOL LEGEND**

- EXISTING WALL TO REMAIN
- - - EXISTING WALL TO BE DEMOLISHED
- ⌢ EXISTING DOOR TO BE DEMOLISHED
- ▨ NOT IN SCOPE / TO REMAIN
- DOH OLD MENTAL HEALTH BUILDING SCOPE
- DOH KNUD HANSEN TOWER SCOPE (FUTURE PHASE - SCOPE NOT NOTED IN THIS DRAWING SET)
- DHS KNUD HANSEN BUILDING SCOPE (FUTURE PHASE - SCOPE NOT NOTED IN THIS DRAWING SET)
- X-X- TEMPORARY CONSTRUCTION FENCING

**KEYPLAN**



**OLD MENTAL HEALTH BUILDING**  
 1303 Hospital Ground, Knud Hansen Complex  
 St. Thomas, U.S. Virgin Islands 00802  
 DEMOLITION REFERENCE PHOTOS

REVISIONS:

No.	Description	Date

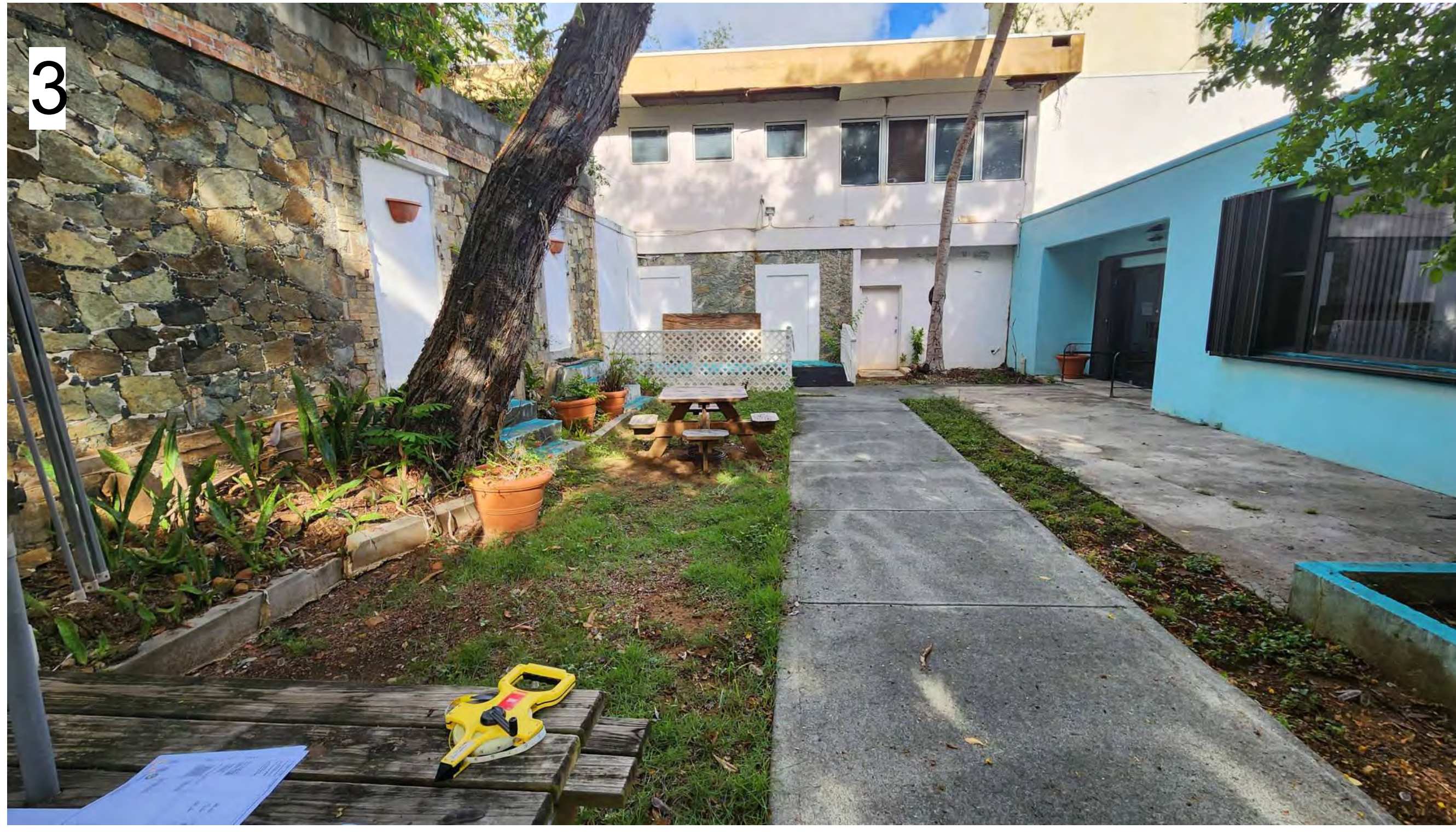
DRAWN BY: TK8  
 CHECKED BY: JT  
 DATE: 10/27/2025  
 NOVIS JOB NUMBER: 470-21-34  
 GPTT PROJECT NUMBER: 2020-03

SHEET NUMBER  
**G006**

ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF SPRINGLINE ARCHITECTS L.L.C. THE CONCEPTS, IDEAS, DESIGNS AND DETAILS AS SHOWN ON THE DOCUMENTS WERE CREATED, DEVELOPED, AND PRESENTED FOR USE ON THIS SPECIFIC PROJECT AND SHALL NOT BE REUSED FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF SPRINGLINE ARCHITECTS L.L.C. THE OWNER SHALL BE PERMITTED TO RETAIN COPIES FOR INFORMATION AND REFERENCE PURPOSES ONLY.

NOT FOR CONSTRUCTION  
 60% DEMOLITION DRAWINGS

ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF SPRINGLINE ARCHITECTS L.L.C. THE CONCEPTS, IDEAS, DESIGNS AND DETAILS AS SHOWN ON THE DOCUMENTS WERE CREATED, DEVELOPED, AND PRESENTED FOR USE ON THIS SPECIFIC PROJECT AND SHALL NOT BE REUSED FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF SPRINGLINE ARCHITECTS L.L.C. THE OWNER SHALL BE PERMITTED TO RETAIN COPIES FOR INFORMATION AND REFERENCE PURPOSES ONLY.



**GENERAL DEMOLITION NOTES**

1. THIS PLAN IS A GENERAL REPRESENTATION OF EXISTING CONDITIONS. IT IS INTENDED FOR REFERENCE ONLY. THIS PLAN IS NOT INTENDED TO BE A DETAILED DESCRIPTION OF ALL REQUIRED WORK.
2. PRIOR TO CONSTRUCTION, CONTRACTOR TO FIELD VERIFY ALL SITE AND BUILDING LAYOUT DIMENSIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IMMEDIATELY.
3. DIMENSIONS HAVE NOT BEEN FULLY VERIFIED AND ARE SHOWN FOR GENERAL DEFINITION OF SCALE AND EXTENTS OF SCOPE WHERE SHOWN.
4. ALL TREES ARE TO REMAIN AND WHERE ADJACENT TO BUILDING DEMOLITION, SHOULD BE PROTECTED FROM ALL DAMAGE, TYPICAL, UNLESS OTHERWISE NOTED - REFER TO CIVIL.
5. REMOVAL OF BUILDINGS SHALL INCLUDE ENTIRE SITE BEING CLEARED DOWN TO SOIL, TYPICAL.
6. DEMOLITION INCLUDES HAULING AND PROPER DISPOSAL - REFER TO SPECIFICATIONS.
7. DEMOLITION INCLUDES REMOVAL OF ALL TRASH AND ABANDONED VEHICLES ON SITE.
8. COORDINATE REQUIREMENTS AND LOCATION OF THE DEMARCATION WITH THE LOCAL TELEPHONE COMPANY AND IT DEPARTMENT.
9. ALL AREAS NOT NOTED FOR DEMOLITION ARE TO BE PROTECTED.
10. MAINTAIN TEMPORARY POWER TO SITE - COORDINATE WITH OWNER AND UTILITY.
11. REFER TO CIVIL UTILITY LOCATIONS AND SITE DEMOLITION SCOPE.
12. CONTRACTOR TO FIELD LOCATE EXISTING BUILDING POTABLE WATER AND SANITARY SEWER UTILITIES AND CAP SERVICES.
13. CONTRACTOR TO COORDINATE UTILITY DEMOLITION WITH THE ST. THOMAS WATER AND POWER AUTHORITY (WAPA) AND WASTE MANAGEMENT AUTHORITY (WMA) PRIOR TO CONSTRUCTION.
14. CONTRACTOR TO USE CAUTION WHEN DEMOLISHING SEWER PIPE KNOWN TO RUN BELOW BUILDING FOUNDATION. USE ALTERNATE MEANS SUCH AS BY-PASS PUMPING IF NECESSARY TO ENSURE CONTINUATION OF FLOWS DURING CONSTRUCTION. REPAIR PIPE IMMEDIATELY IF IMPACTED DURING FIELD WORK.
15. CONTRACTOR TO REFER TO ELECTRICAL ENGINEER FOR REMOVAL AND REPLACEMENT OF EXISTING ELECTRICAL INFRASTRUCTURE WITHIN THE BUILDING PRIOR TO DEMOLITION.
16. REFER TO SHEETS G005-G007 FOR PICTURES OF EXISTING CONDITIONS.



IMPROVED DOCUMENTS FOR INTERNAL REVIEW ONLY. NOT FOR REGULATORY APPROVAL, PERMIT, OR CONSTRUCTION.

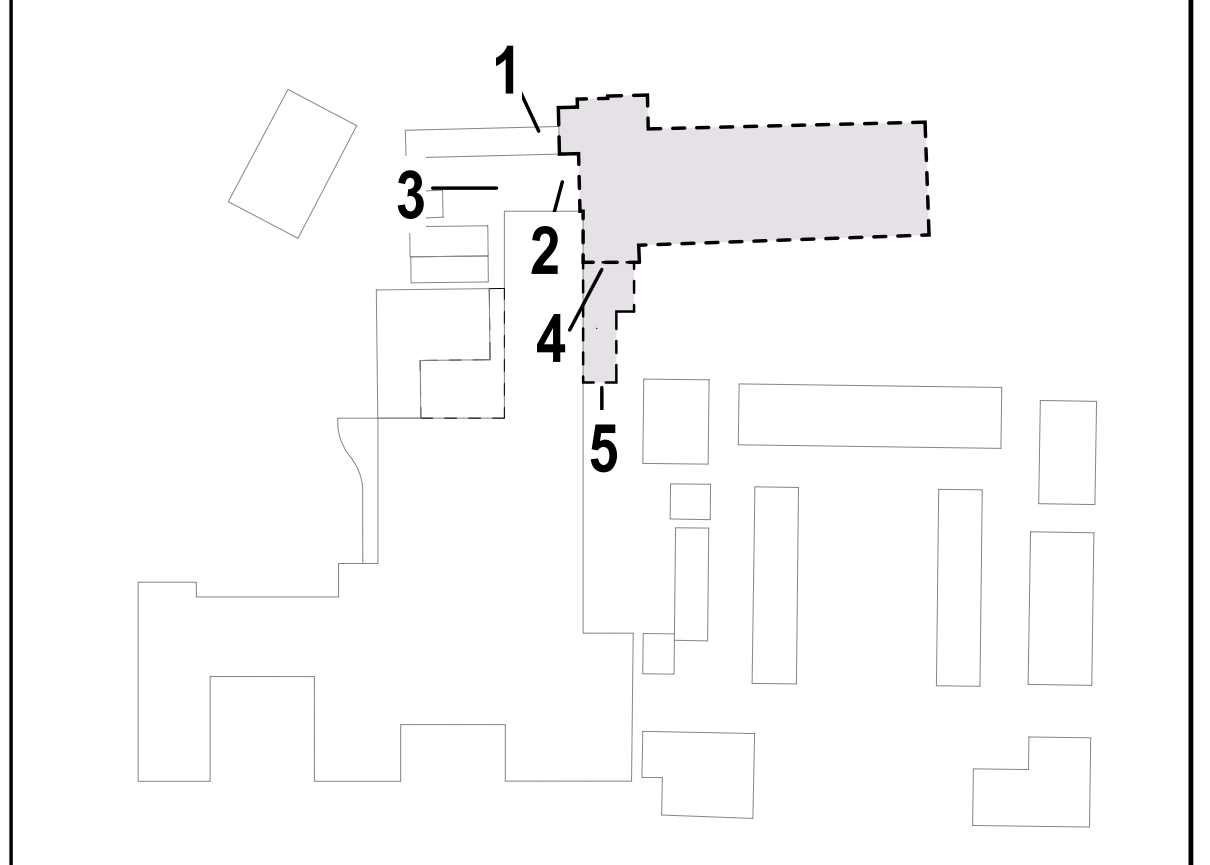
SUBMISSIONS:

Ref	Description	Date
A	Programming	
B	30% CDs	
C	60% CDs	10.15.25
D	90% CDs	
E	100% CDs	

**DEMOLITION SYMBOL LEGEND**

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- EXISTING DOOR TO BE DEMOLISHED
- NOT IN SCOPE / TO REMAIN
- DOH OLD MENTAL HEALTH BUILDING SCOPE
- DOH KNULD HANSEN TOWER SCOPE (FUTURE PHASE - SCOPE NOT NOTED IN THIS DRAWING SET)
- DHS KNULD HANSEN BUILDING SCOPE (FUTURE PHASE - SCOPE NOT NOTED IN THIS DRAWING SET)
- TEMPORARY CONSTRUCTION FENCING

**KEYPLAN**



**OLD MENTAL HEALTH BUILDING**  
 1303 Hospital Ground, Knud Hansen Complex  
 St. Thomas, U.S. Virgin Islands 00802  
 DEMOLITION REFERENCE PHOTOS

REVISIONS:

No.	Description	Date

DRAWN BY: TK8  
 CHECKED BY: JT  
 DATE: 10/27/2025  
 NOVIS JOB NUMBER: 470-21-34  
 GPT FOR ORDER NUMBER: 2020-03

SHEET NUMBER  
**G007**

NOT FOR CONSTRUCTION  
 60% DEMOLITION DRAWINGS

ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF SPRINGLINE ARCHITECTS L.L.C. THE CONCEPTS, IDEAS, DESIGNS AND DETAILS AS SHOWN ON THE DOCUMENTS WERE CREATED, DEVELOPED, AND PRESENTED FOR USE ON THIS SPECIFIC PROJECT AND SHALL NOT BE REUSED FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF SPRINGLINE ARCHITECTS L.L.C. THE OWNER SHALL BE PERMITTED TO RETAIN COPIES FOR INFORMATION AND REFERENCE PURPOSES ONLY.



DHS KNUD HANSEN BUILDING - NORTH FACADE (B)



DHS KNUD HANSEN BUILDING - NORTH FACADE (A)



DHS KNUD HANSEN BUILDING - EAST FACADE AERIAL



DHS KNUD HANSEN BUILDING - EAST FACADE (C)



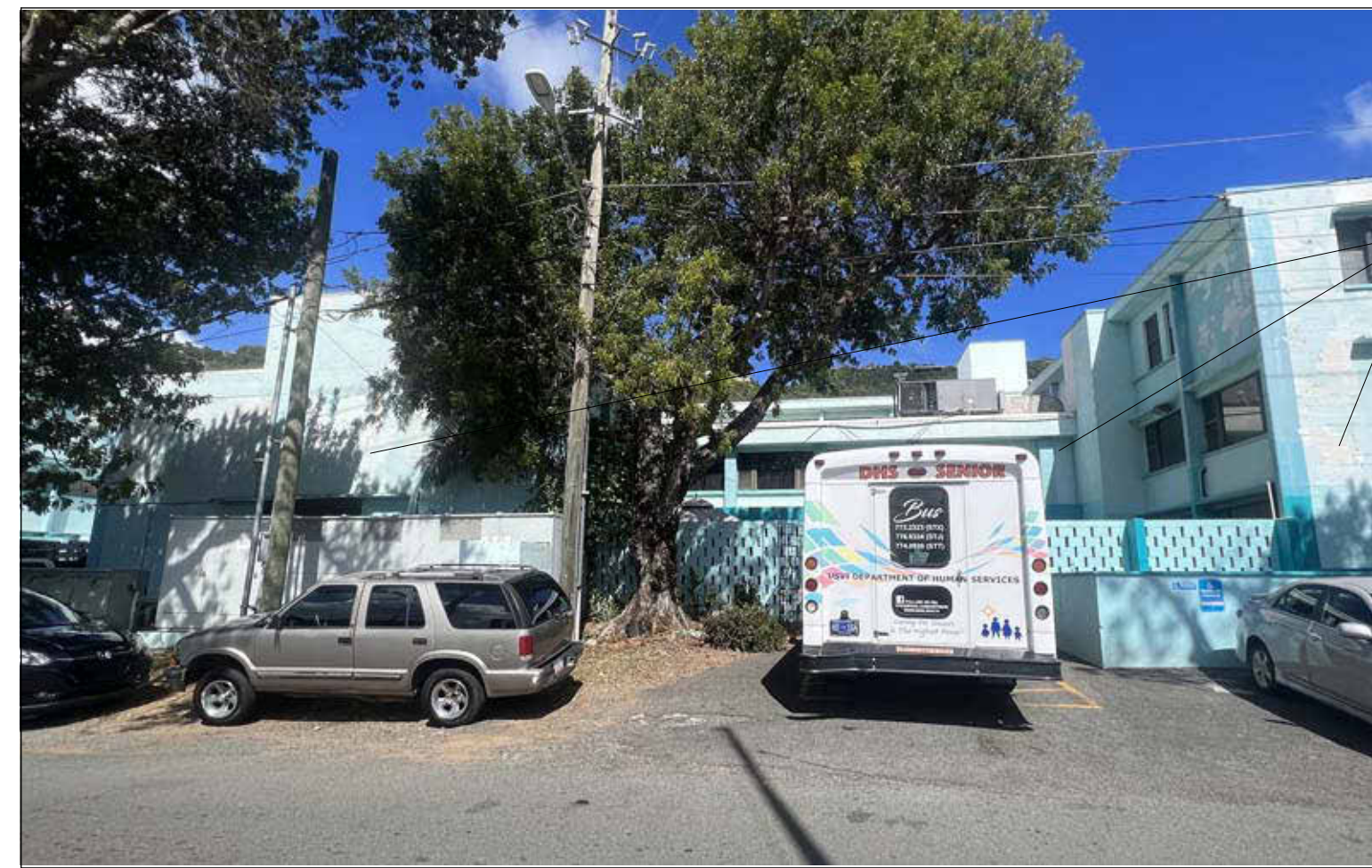
DHS KNUD HANSEN BUILDING - EAST FACADE (D)



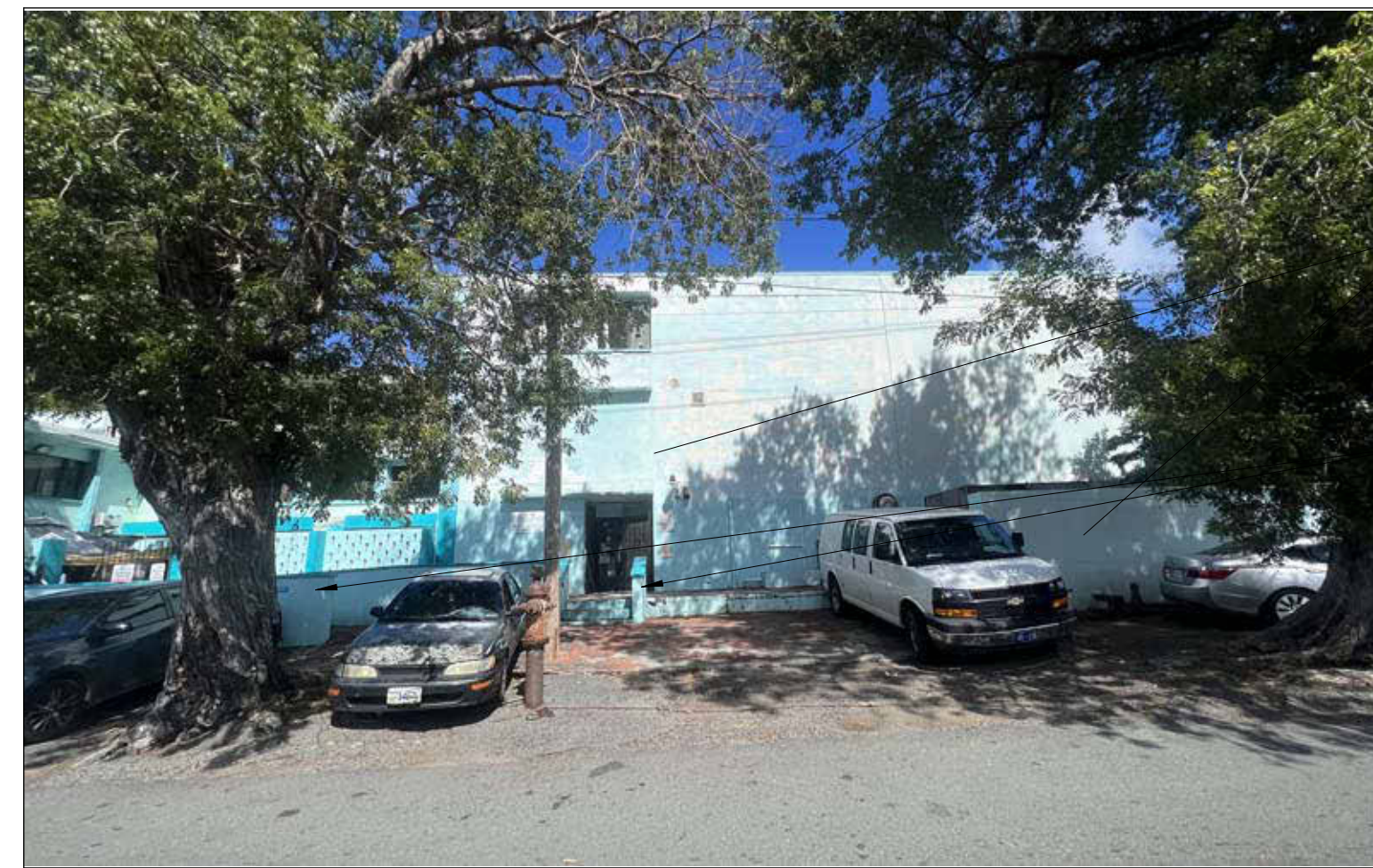
DHS KNUD HANSEN BUILDING - EAST FACADE (E)



DHS KNUD HANSEN BUILDING - SOUTH FACADE (I)



DHS KNUD HANSEN BUILDING - SOUTH FACADE (H)



DHS KNUD HANSEN BUILDING - SOUTH FACADE (G)



DHS KNUD HANSEN BUILDING - HEADSTART PLAYGROUND (D)



DHS KNUD HANSEN BUILDING - WEST FACADE AERIAL



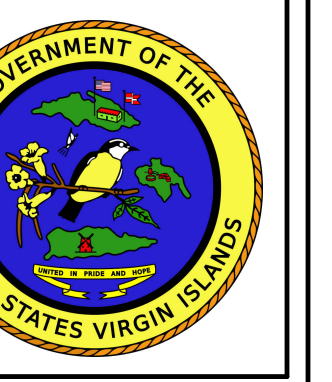
DHS KNUD HANSEN BUILDING - WEST FACADE (J)

## GENERAL DEMOLITION NOTES

- THIS PLAN IS A GENERAL REPRESENTATION OF EXISTING CONDITIONS. IT IS INTENDED FOR REFERENCE ONLY. THIS PLAN IS NOT INTENDED TO BE A DETAILED DESCRIPTION OF ALL REQUIRED WORK.
1. PRIOR TO CONSTRUCTION, CONTRACTOR TO FIELD VERIFY ALL SITE AND BUILDING LAYOUT DIMENSIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IMMEDIATELY.
  2. DIMENSIONS HAVE NOT BEEN FULLY VERIFIED AND ARE SHOWN FOR GENERAL DEFINITION OF SCALE AND EXTENTS OF SCOPE WHERE SHOWN.
  3. ALL TREES ARE TO REMAIN AND WHERE ADJACENT TO BUILDING DEMOLITION, SHOULD BE PROTECTED FROM ALL DAMAGE. TYPICAL, UNLESS OTHERWISE NOTED - REFER TO CIVIL.
  4. REMOVAL OF BUILDINGS SHALL INCLUDE ENTIRE SITE BEING CLEARED DOWN TO SOIL, TYPICAL.
  5. DEMOLITION INCLUDES HAULING AND PROPER DISPOSAL - REFER TO SPECIFICATIONS.
  6. DEMOLITION INCLUDES REMOVAL OF ALL TRASH AND ABANDONED VEHICLES ON SITE.
  7. COORDINATE REQUIREMENTS AND LOCATION OF THE DEMARCATION WITH THE LOCAL TELEPHONE COMPANY AND IT DEPARTMENT.
  8. ALL AREAS NOT NOTED FOR DEMOLITION ARE TO BE PROTECTED.
  9. MAINTAIN TEMPORARY POWER TO SITE - COORDINATE WITH OWNER AND UTILITY.
  10. REFER TO CIVIL UTILITY LOCATIONS AND SITE DEMOLITION SCOPE.
  11. CONTRACTOR TO FIELD LOCATE EXISTING BUILDING POTABLE WATER AND SANITARY SEWER UTILITIES AND CAP SERVICES.
  12. CONTRACTOR TO COORDINATE UTILITY DEMOLITION WITH THE ST. THOMAS WATER AND POWER AUTHORITY (WAPA) AND WASTE MANAGEMENT AUTHORITY (WMA) PRIOR TO CONSTRUCTION.
  13. CONTRACTOR TO USE CAUTION WHEN DEMOLISHING SEWER PIPE KNOWN TO RUN BELOW BUILDING FOUNDATION. USE ALTERNATE MEANS SUCH AS BY-PASS PUMPING IF NECESSARY TO ENSURE CONTINUATION OF FLOWS DURING CONSTRUCTION. REPAIR PIPE IMMEDIATELY IF IMPACTED DURING FIELD WORK.
  14. CONTRACTOR TO REFER TO ELECTRICAL ENGINEER FOR REMOVAL AND REPLACEMENT OF EXISTING ELECTRICAL INFRASTRUCTURE WITHIN THE BUILDING PRIOR TO DEMOLITION.
  15. REFER TO SHEET 0005 FOR PICTURES OF EXISTING CONDITIONS.

## KEYNOTES - DEMOLITION

#	DESCRIPTION
01	DEMOLISH EXISTING BUILDING TO PROVIDED EXTENTS INCLUDING ROOF STRUCTURE, EXTERIOR AND INTERIOR WALLS, WINDOWS, DOORS, FLOORS AND FLOOR SLABS, ALL BUILDING UTILITIES: PIPING, DUCTWORK, ELECTRICAL, FIXTURES AND DEBRIS DOWN TO SOIL (TYPICAL)
02	DEMOLISH EXISTING SIDEWALKS, STAIRS, RAMPS, AND RAILINGS TO GRADE
13	MAINTAIN HISTORIC STRUCTURE.



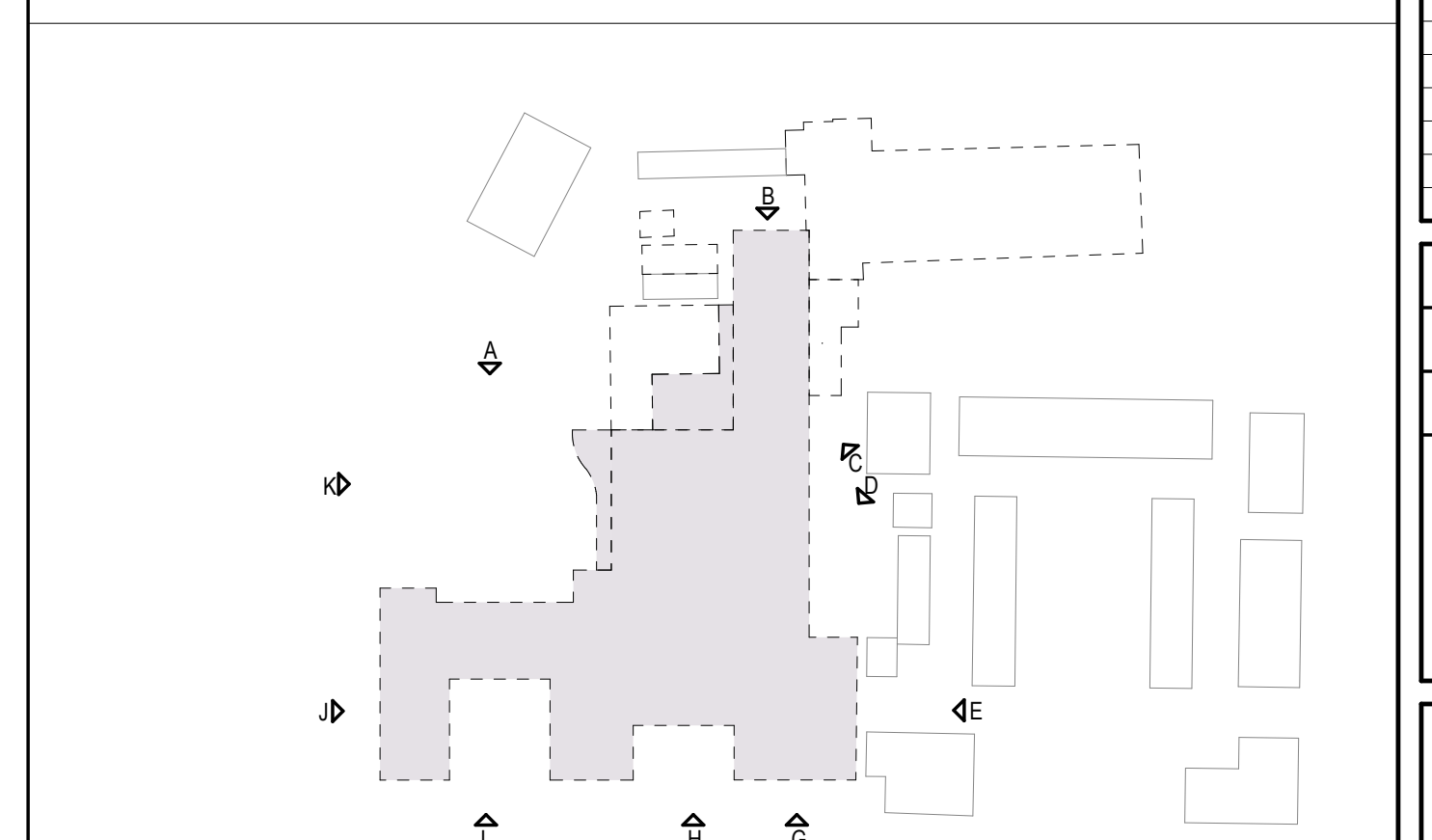
IMPROGRESS DOCUMENTS FOR IN-COMMITTEE REVIEW ONLY. NOT FOR REGULATORY APPROVAL, PERMIT, OR CONSTRUCTION.

Ref	Description	Date
A	Programming	10/15/2025
B	30% CDs	
C	60% CDs	
D	90% CDs	
E	100% CDs	

## DEMOLITION SYMBOL LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- EXISTING DOOR TO BE DEMOLISHED
- NOT IN SCOPE / TO REMAIN
- DOH KNUD HANSEN TOWER SCOPE
- DHS KNUD HANSEN BUILDING SCOPE
- TEMPORARY CONSTRUCTION FENCING

## KEYPLAN



**KNUD HANSEN DHS B&E**  
1303 Hospital Ground, Knud Hansen Complex  
St. Thomas, U.S. Virgin Islands 00802  
DEMOLITION REFERENCE PHOTOS

No.	Description	Date

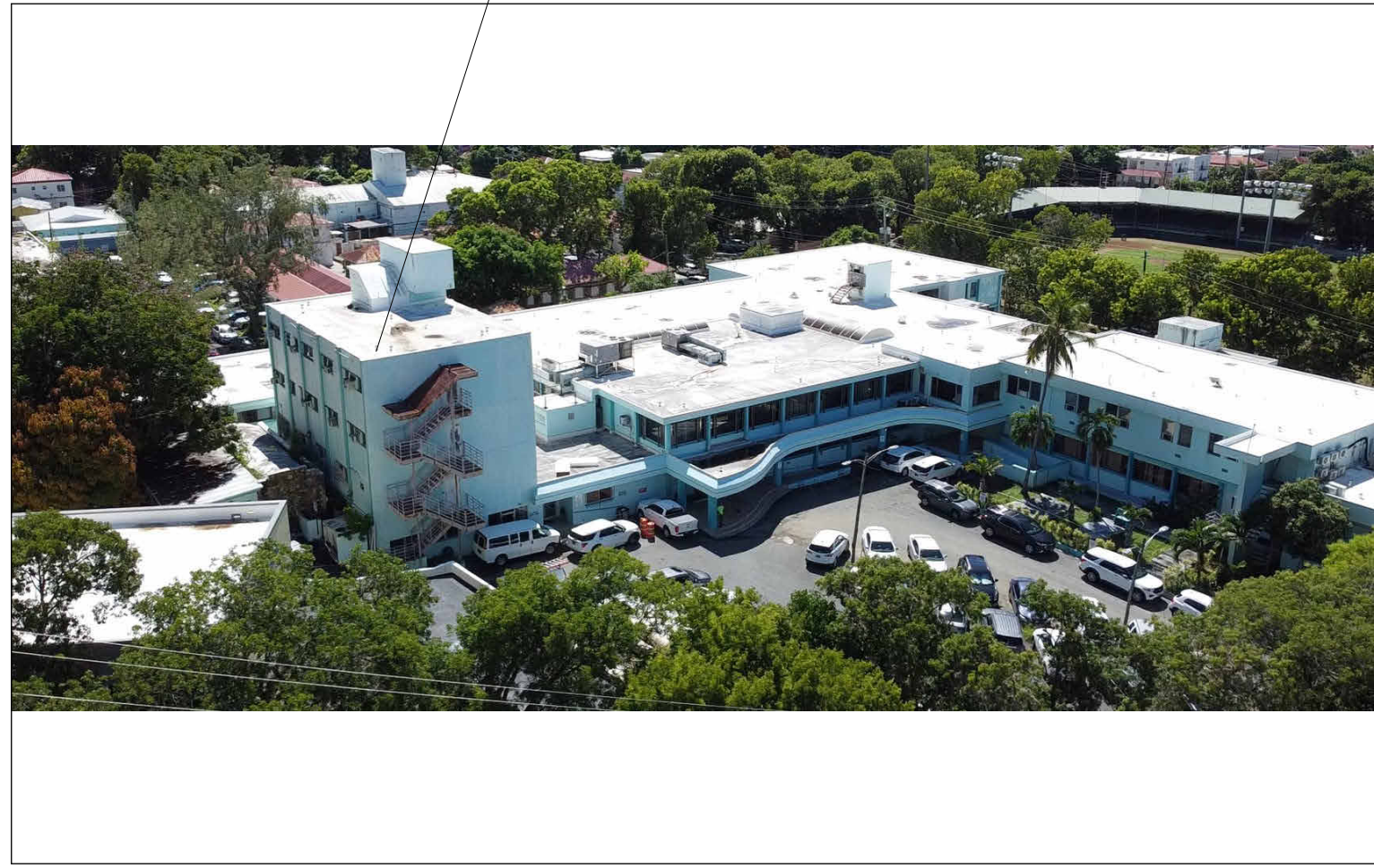
DRAWN BY: HK  
CHECKED BY: KB  
DATE: 10/15/2025  
NOVUS JOB NUMBER: 470-23-49  
OFTF ORDER NUMBER: 010-9-101918

SHEET NUMBER  
**D005**

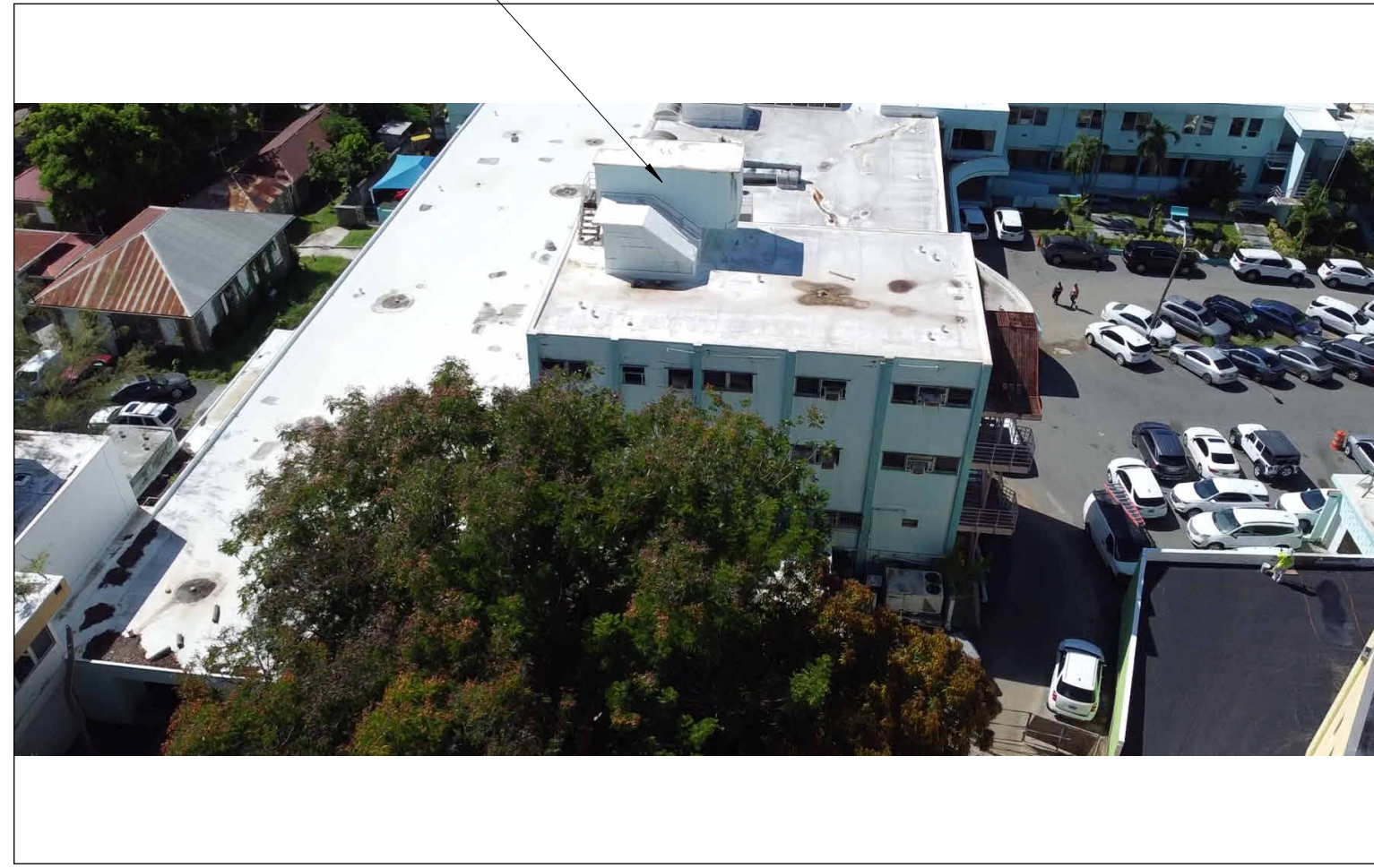
NOT FOR CONSTRUCTION

60% DEMOLITION DRAWINGS





CONTEXTUAL AERIAL, DOH KNUD HANSEN TOWER



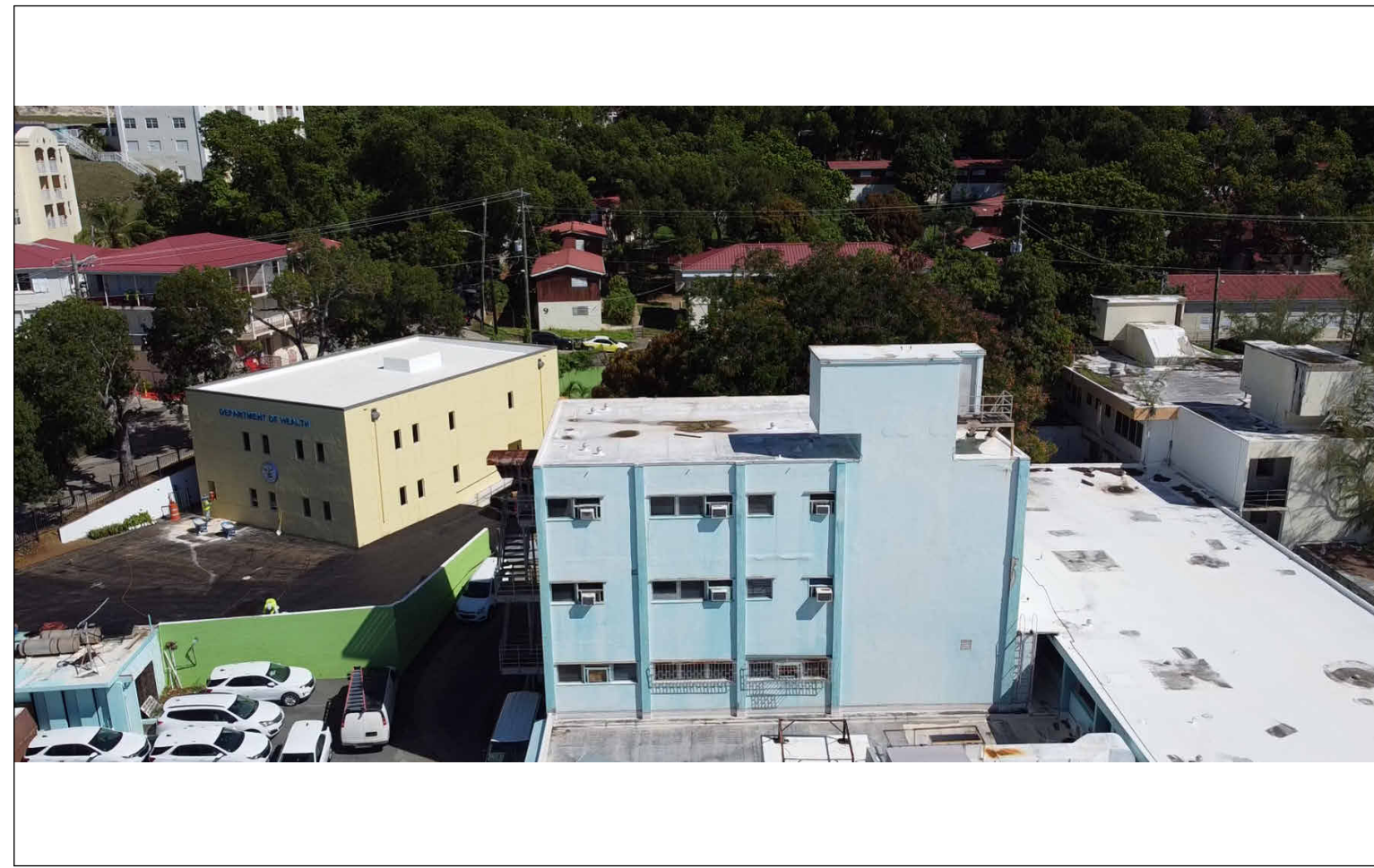
NORTH FACADE, DOH KNUD HANSEN TOWER



EAST FACADE, DOH KNUD HANSEN TOWER



SOUTHEAST FACADE, DOH KNUD HANSEN TOWER



SOUTH FACADE, DOH KNUD HANSEN TOWER



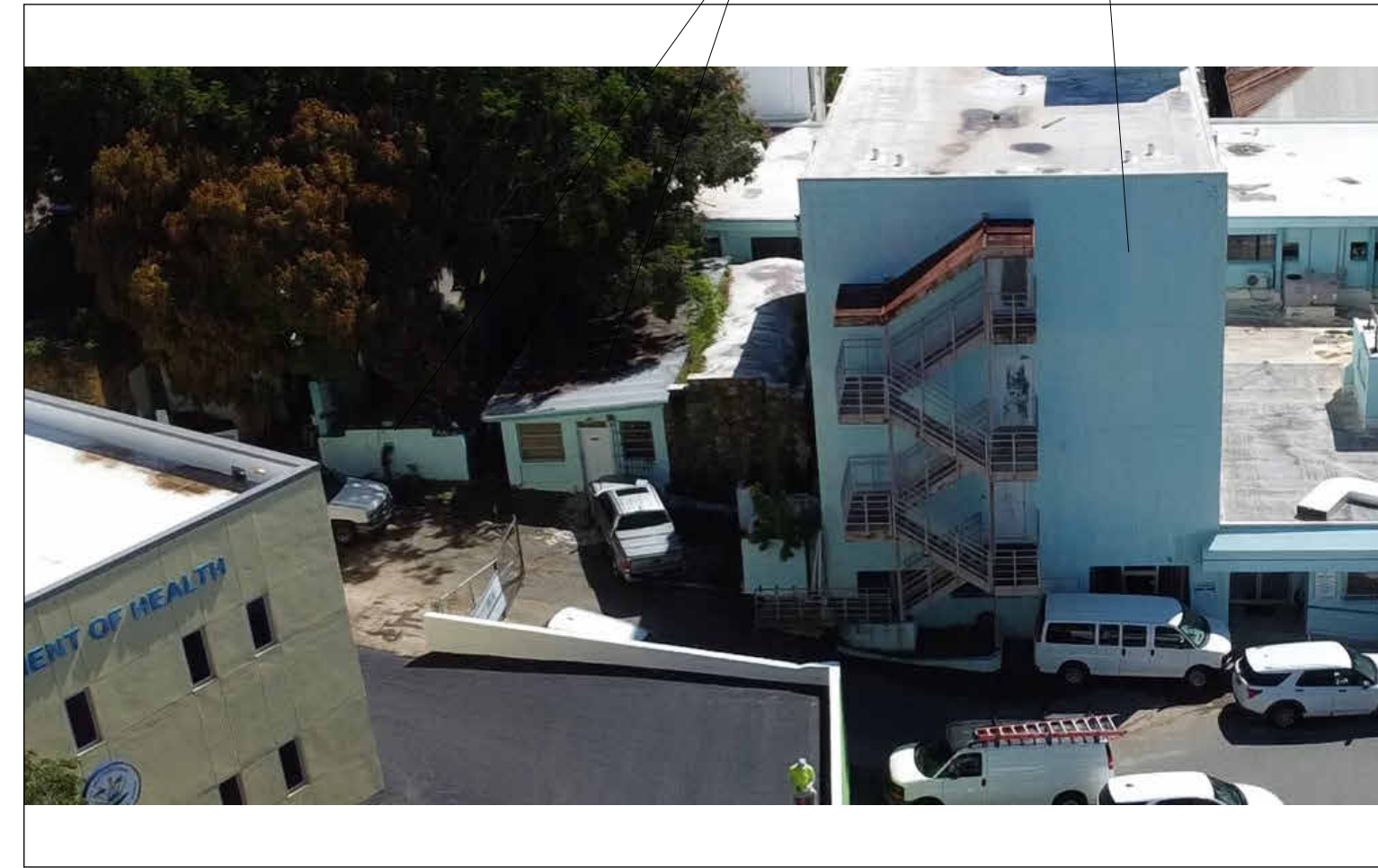
SOUTHWEST FACADE, DOH KNUD HANSEN TOWER



WEST FACADE, DOH KNUD HANSEN TOWER



WEST FACADE & ROOF, DOH KNUD HANSEN TOWER



WEST FACADE & ADJACENT STRUCTURES, DOH KNUD HANSEN TOWER



ADJACENT STRUCTURES, DOH KNUD HANSEN TOWER



BETWEEN HISTORIC STRUCTURE & TOWER, DOH KNUD HANSEN TOWER



WEST FACADE STAIR TOWER, DOH KNUD HANSEN TOWER

### GENERAL DEMOLITION NOTES

- THIS PLAN IS A GENERAL REPRESENTATION OF EXISTING CONDITIONS. IT IS INTENDED FOR REFERENCE ONLY. THIS PLAN IS NOT INTENDED TO BE A DETAILED DESCRIPTION OF ALL REQUIRED WORK.
1. PRIOR TO CONSTRUCTION, CONTRACTOR TO FIELD VERIFY ALL SITE AND BUILDING LAYOUT DIMENSIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCY IMMEDIATELY.
  2. DIMENSIONS HAVE NOT BEEN FULLY VERIFIED AND ARE SHOWN FOR GENERAL DEFINITION OF SCALE AND EXTENTS OF SCOPE WHERE SHOWN.
  3. ALL TREES ARE TO REMAIN AND WHERE ADJACENT TO BUILDING DEMOLITION, SHOULD BE PROTECTED FROM ALL DAMAGE. TYPICAL, UNLESS OTHERWISE NOTED - REFER TO CIVIL.
  4. REMOVAL OF BUILDINGS SHALL INCLUDE ENTIRE SITE BEING CLEARED DOWN TO SOIL, TYPICAL.
  5. DEMOLITION INCLUDES HAULING AND PROPER DISPOSAL - REFER TO SPECIFICATIONS.
  6. DEMOLITION INCLUDES REMOVAL OF ALL TRASH AND ABANDONED VEHICLES ON SITE.
  7. COORDINATE REQUIREMENTS AND LOCATION OF THE DEMARCATION WITH THE LOCAL TELEPHONE COMPANY AND IT DEPARTMENT.
  8. ALL AREAS NOT NOTED FOR DEMOLITION ARE TO BE PROTECTED.
  9. MAINTAIN TEMPORARY POWER TO SITE - COORDINATE WITH OWNER AND UTILITY.
  10. REFER TO CIVIL UTILITY LOCATIONS AND SITE DEMOLITION SCOPE.
  11. CONTRACTOR TO FIELD LOCATE EXISTING BUILDING POTABLE WATER AND SANITARY SEWER UTILITIES AND CAP SERVICES.
  12. CONTRACTOR TO COORDINATE UTILITY DEMOLITION WITH THE ST. THOMAS WATER AND POWER AUTHORITY (WAPA) AND WASTE MANAGEMENT AUTHORITY (WMA) PRIOR TO CONSTRUCTION.
  13. CONTRACTOR TO USE CAUTION WHEN DEMOLISHING SEWER PIPE KNOWN TO RUN BELOW BUILDING FOUNDATION. USE ALTERNATE MEANS SUCH AS BY-PASS PUMPING IF NECESSARY TO ENSURE CONTINUATION OF FLOWS DURING CONSTRUCTION. REPAIR PIPE IMMEDIATELY IF IMPACTED DURING FIELD WORK.
  14. CONTRACTOR TO REFER TO ELECTRICAL ENGINEER FOR REMOVAL AND REPLACEMENT OF EXISTING ELECTRICAL INFRASTRUCTURE WITHIN THE BUILDING PRIOR TO DEMOLITION.
  15. REFER TO SHEET D005 FOR PICTURES OF EXISTING CONDITIONS.

### KEYNOTES - DEMOLITION

#	DESCRIPTION
01	DEMOLISH EXISTING BUILDING TO PROVIDED EXTENTS INCLUDING ROOF STRUCTURE, EXTERIOR AND INTERIOR WALLS, WINDOWS, DOORS, FLOORS AND FLOOR SLABS, ALL BUILDING UTILITIES, PIPING, DUCTWORK, ELECTRICAL, FIXTURES AND DEBRIS DOWN TO SOIL (TYPICAL)
07	DEMOLISH EXISTING ELEVATOR SHAFT
09	DEMOLISH EXISTING METAL STAIR STRUCTURE TO GRADE



IMPROGRESS DOCUMENTS FOR INTERNAL REVIEW ONLY. NOT FOR REGULATORY APPROVAL, PERMIT, OR CONSTRUCTION.

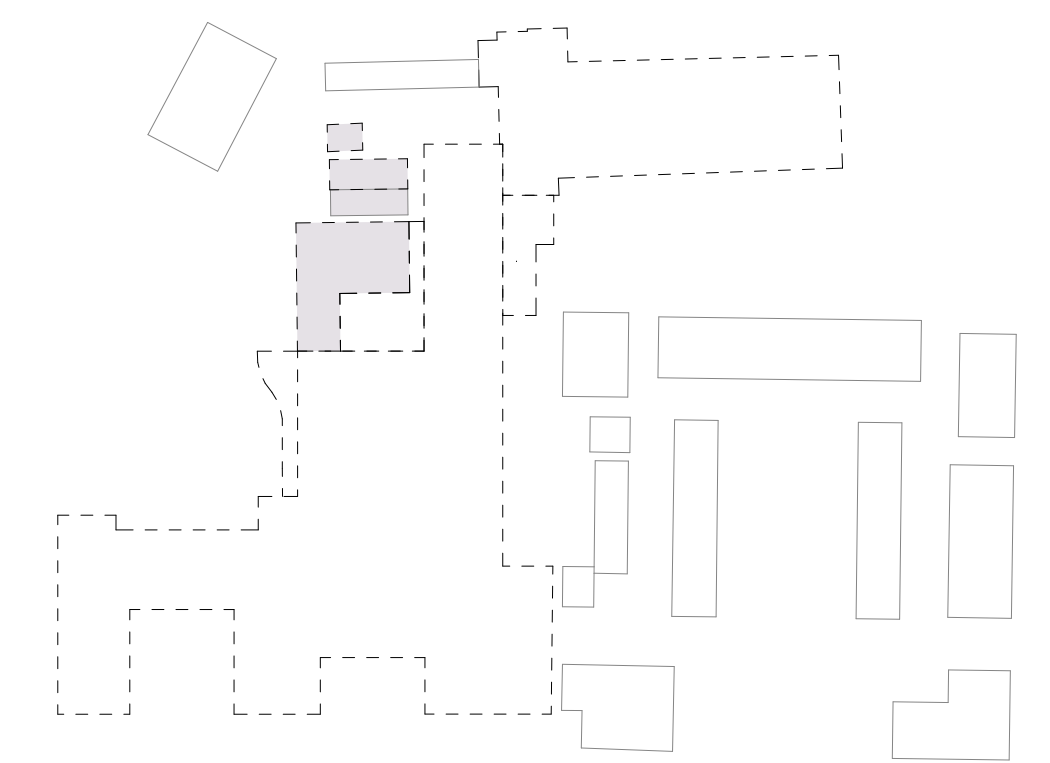
SUBMISSIONS:

Ref	Description	Date
A	Programming	10/15/2025
B	30% CDs	
C	60% CDs	
D	90% CDs	
E	100% CDs	

### DEMOLITION SYMBOL LEGEND

- EXISTING WALL TO REMAIN
- - - EXISTING WALL TO BE DEMOLISHED
- - - EXISTING DOOR TO BE DEMOLISHED
- ▨ NOT IN SCOPE / TO REMAIN
- DOH KNUD HANSEN TOWER SCOPE
- DHS KNUD HANSEN BUILDING SCOPE
- X-X- TEMPORARY CONSTRUCTION FENCING

### KEYPLAN



**KNUD HANSEN DOH TOWER**  
 1303 Hospital Ground, Knud Hansen Complex  
 St. Thomas, U.S. Virgin Islands 00802  
 DEMOLITION REFERENCE PHOTOS

REVISIONS:

No.	Description	Date

DRAWN BY: HK  
 CHECKED BY: KB  
 DATE: 10/15/2025  
 NOVIS JOB NUMBER: 470-23-50  
 COST EST. ORDER NUMBER: 010-8-101472

SHEET NUMBER  
**D005**

ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF SPRINGLINE ARCHITECTS L.L.C. THE CONCEPTS, IDEAS, DESIGNS AND DETAILS AS SHOWN ON THE DOCUMENTS WERE CREATED, DEVELOPED, AND PRESENTED FOR USE ON THIS SPECIFIC PROJECT AND SHALL NOT BE REUSED FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF SPRINGLINE ARCHITECTS L.L.C. THE OWNER SHALL BE PERMITTED TO RETAIN COPIES FOR INFORMATION AND REFERENCE PURPOSES ONLY.

NOT FOR CONSTRUCTION  
 60% DEMOLITION DRAWINGS