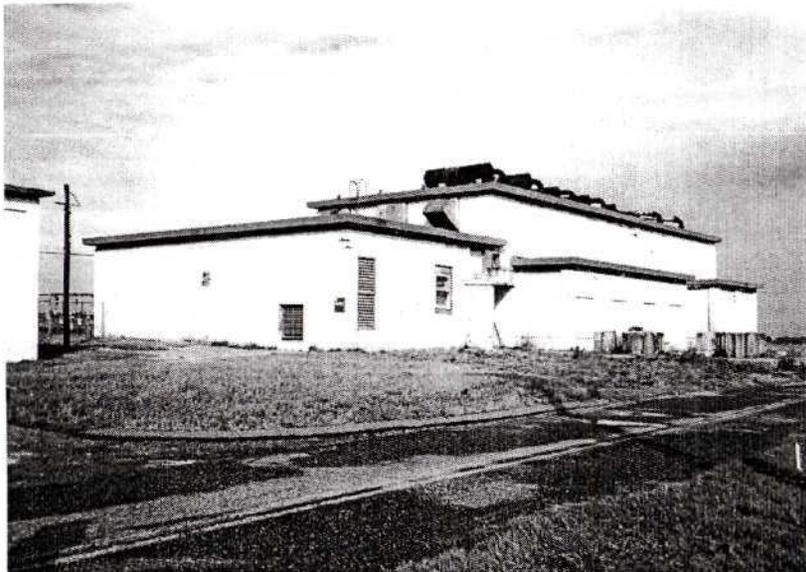


Building Number: 31
Original Name: Electrical Power Building
Est. Year of Construction: 1957

General Data

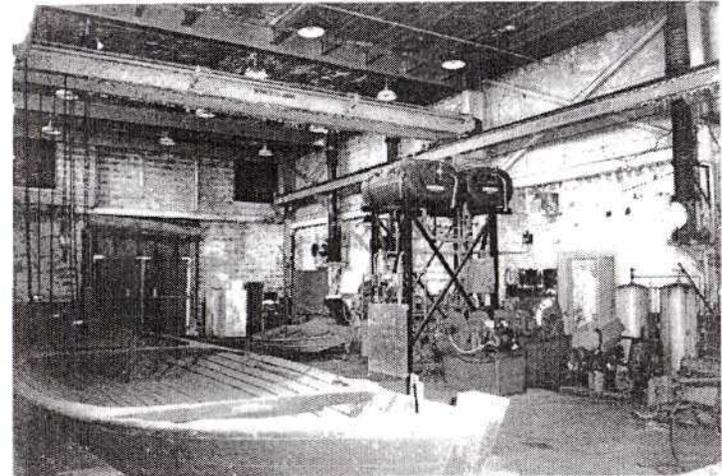
- Square Footage: 6,564
- # of Floors: 1
- # of Rooms: 9
- # of Bedrooms: 0
- # of Bathrooms: 1
- # of Kitchens: 0
- # of Laundry Rooms: 0
- # of Shower Rooms: 0
- Basement or Crawl Space? Slab-on-grade
- Ceiling Heights: 19'-0" in Turbine Room
13'-8" throughout rest



View from Southwest.

History and Future Plans

Building #31 was originally used as the Power Plant. Although no longer operable, the old turbines and equipment are still housed inside. NPS anticipates use of this large space for shop or studio space – possibly for large sculpture or performances.



Interior - turbine room.



View of entrance area from southwest, showing cracks in CMU.

Exterior Conditions

- *Roof*
Flat roof built-up with stone ballast; pipes, tanks and ventilators. **Fair condition.** Some localized leaks. Roof replacement recommended.
- *Wall*
Exterior is constructed of painted concrete masonry unit (CMU) in **poor condition.** Former vertical openings, metal hoods and louvered ventilators (some blocked up). Some failed and/ or spalled blocks; advise rebuilding of +/- 1,000 SF and repoint 100%. Recommend repair and repointing of CMU and waterproofing all walls.
- *Trim*
Metal cladding is in **fair condition** at fascia, but concrete parge and painted soffits are **poor.** Advise to repair all.
- *Foundation*
Poured concrete slab on grade.

Framing

Roofs: Steel frame and flat concrete slab in **fair/good condition.**
Wall: X-braced steel frame with poured concrete column cladding and CMU infill. Some steel columns are rusted but are in **fair/good condition.**
Floor: Concrete slab with utility trenches. **Fair/good condition.**
Other: Steel overhead crane rails line long side of turbine room; crane has reuse potential for sculpture studio.

Life Safety

The four means of egress from Building #31 are in **fair condition.** Advise that all doors be replaced. One step up to entrance. If abandoned turbines are retained, perimeter safety railings may need extension and enhancement.

Interior Conditions

- *Ceiling*
Painted steel and concrete in **fair condition.** Leaks around standpipes have caused damage to interior finishes; **repair and refinishing recommended.** ACT in offices in **poor condition.**
- *Wall*
Painted CMU infill in **fair condition;** paint is peeling - refinishing recommended. Drywall in offices in **poor condition.**
- *Trim*
Wood window and door trim is in **fair/poor condition.** Paint is peeling and cracking. Some wood is warped and broken. Replacement and refinishing recommended.
- *Floor*
Vinyl-asbestos tile (VAT) in toilet room, control rooms and offices in **poor condition.** Concrete slab in rest in **fair condition.** Replacement of tile and refurbishing of concrete recommended.

Windows

Building #31 has 3 double-hung and 1 sliding window, all in **poor condition;** replacement is advised. Fixed clerestory windows in the mechanical room are in **fair/good condition.** Fixed interior wood frame windows are in **fair/poor condition;** replacement is recommended.

Doors

Interior metal doors in **fair condition;** refinishing recommended. Wood panel door with one lite in **poor condition.** Solid wood flush doors in **fair condition.** Roll-up metal garage door in **poor condition.** Replacement of all exterior doors recommended.

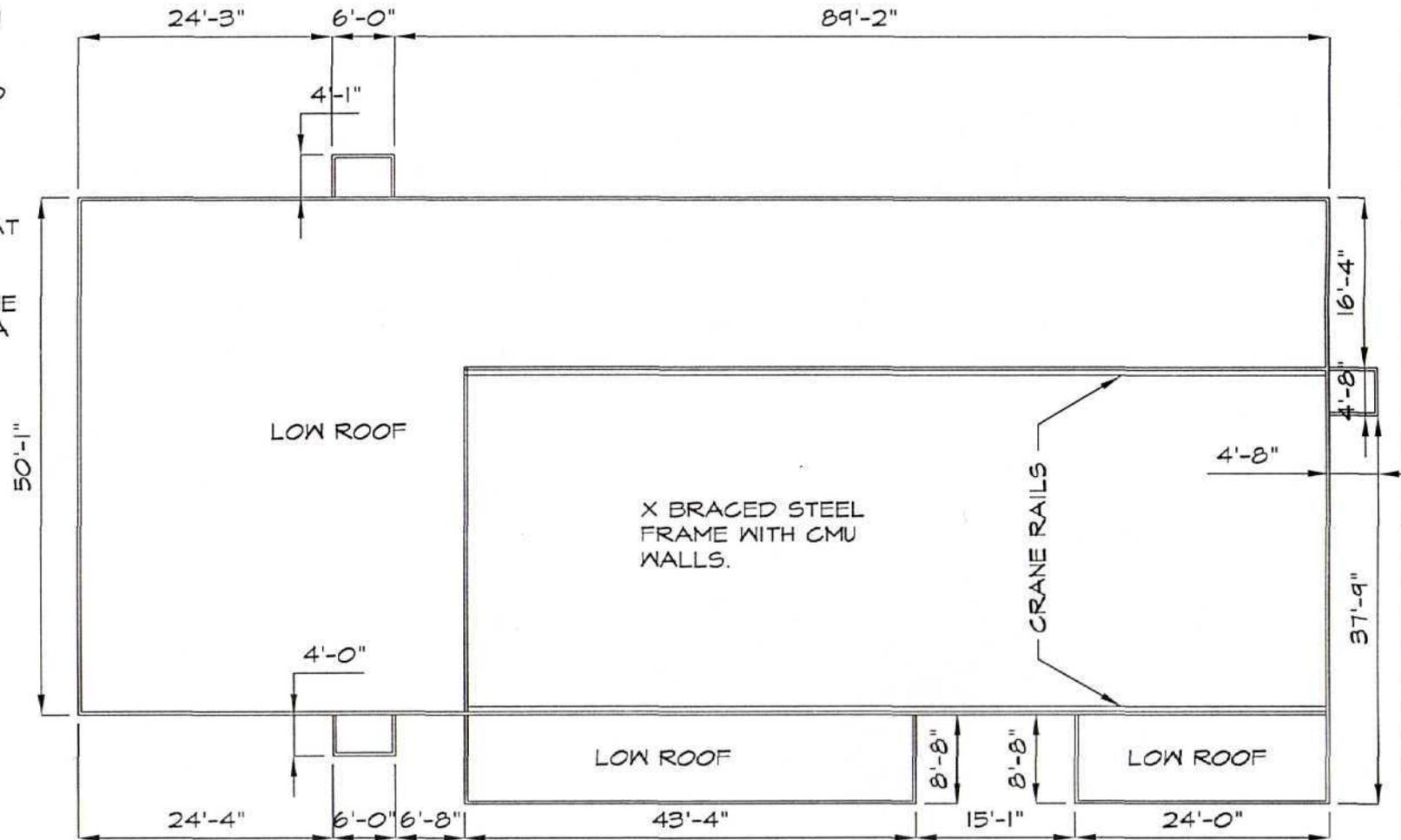
Reusable Fixtures

Lavatory may be refurbished with new hardware, etc.; refer to Mechanical/Electrical/Plumbing section. No floor drains found. Control room equipment is in **fair/good condition.** Generators, turbines and pipes appear to be in **fair condition.** Rolling crane is in **fair/good condition** and may be reused. All need refinishing.

Building Number: 31

NOTES:

1. ALL WALLS ARE CMU
2. THE WALLS MUST BE WATERPROOFED AND THERE ARE SOME CRACKS THAT MUST BE REPOINTED.
3. ALL ROOFS ARE FLAT CONCRETE SLABS.
4. SOME COLUMNS IN THE STEEL FRAMED AREA ARE RUSTED.



Building 31**A. Building Classification**

Existing Power Plant is assumed to be F-1 moderate-hazard factory and industrial occupancy, a category including electric light plants and power houses (Table 306.2).

For proposed shop or studio usage, the turbine room remains classified as an F-1 or F-2 occupancy to provide sculpture studio space for such low- or moderate-hazard activities as foundries, metal fabrication and assembly, glass or ceramic production, or millwork and woodworking. In an alternative scenario, A-3 theater use and/or shop or studio space anticipates “concentrated” assembly with chairs only at existing 2,785-sf turbine room; shop or studio space throughout balance of building.

B. Occupancy and Fire Separations

Per 302.1.1, boiler and furnace rooms require 1-hour separation or an automatic fire suppression system. For A and B use groups, storage rooms > 50 sf and < 100 sf in area require 1-hour separation or automatic fire suppression system with smoke partitions; storage rooms > 100 sf require automatic fire suppression system with smoke partitions. In occupancies other than F, paint shops employing hazardous materials (in quantities less than those which cause H use group classification) require 2-hour separation, or 1-hour with automatic fire suppression system.

C. Type of Construction

Type 2C, CMU building with concrete slab ceilings and exposed steel frame (in turbine room) (i.e., noncombustible, unprotected construction, per 702.1). Noncombustible, low-roof portion of building could be separated and classified as 2B, pending confirmation of fire-resistance of existing materials (e.g., thickness of roof slabs and depth of steel reinforcement).

D. Floor Area

6,564 sf = 2,785 sf turbine room + 3,779 balance.
 F-1 Use Group: 6,564 sf < 9,600 sf max. allowed for 2C construction, per Table 503.
 F-2 Use Group: 6,564 sf < 14,400 sf max. allowed for 2C construction.
 A-3 Use Group: 6,564 sf < 8,400 sf max. allowed for 2C construction.

E. Height and Number of Stories

1story; conforms to 2-story/30' max. for F-1 and A-3 uses (Table 503).

F. Occupancy

Proposed continuation of F industrial use with probable accessory shop or studio use in B (business) classification in 2C building results in change in Hazard Index of +1; Chapter 34 provisions are applicable.

Alternative scenario with conversion of the building to A-3 (theater) use results in change in Hazard Index of +3; compliance with requirements for new construction required per 3400.3, Item 6. Fire protection of steel columns, beams, girders and X-bracing is not required, per table 602.

Shop: maximum floor area allowance for industrial areas is 100 gsf per occupant; 66 occupants max.
 Theater: maximum floor area allowance for “concentrated” assembly is 7 nsf per occupant; 100 gsf per occupant for other areas. 398 (turbine room) + 38 = 436 occupants max.

G. Exiting Requirements

Existing one-story building has four single-leaf exits. Per Table 1009.2, for A, B and F uses, egress width of doors, ramps and corridors per occupant is .2” without sprinkler system, .15” with sprinkler system. Shop: Existing egress widths are adequate for 66 occupants.

Assembly: 398 occupants in (separated) 2,785 sf former turbine room requires width increase of each means of egress component to 79.6" min. without sprinkler system or 59.7" min. with sprinkler system. Min. 2 exits required.

H. Loading Requirements

Slab-on-grade. Refer to plan diagrams for structural information.

I. Accessibility

Main entrance is one step up; must be refurbished or adapted for universal accessibility. New accessible toilets, water fountain, etc. required.

BUILDING #31: REQUIRED ARCHITECTURAL AND STRUCTURAL REPAIRS

1. Remove and replace damaged soffits	475	lf
2. Install alum. roof edge (cant, nailer, flashing)	475	lf
3. Repair/rebuild damaged CMU masonry, including needle bms.	1,000	sf
4. Scrub coat and paint/seal exterior CMU masonry	5,300	sf
5. Remove and replace exterior doors, hardware	4	ea
6. Remove windows and replace with metal-clad wood windows	4	ea
7. Repair and recondition window sill, lintel; paint	4	ea
8. Remove blocked-openings; install new alum. window wall units	10	ea
9. Install new single-ply membrane roof with 1-1/2" polyisocyanurate insulation	6,564	sf
10. Roof drainage system repair/replacement	1	job
11. Install batt insulation/gypsum wallboard at (1-story) walls	2,900	sf
11 Alt. Install additional batt insulation/gypsum wallboard at Turbine Room	1	job
12. General interior cleanout, mildew treatment	6,564	sf
13. Patching and floor, wall and ceiling finishes (gfa)	6,564	sf
14. Repair/replace/paint interior doors & trim	1	job
15. New toilet and mechanical room enclosures, toilet accessories	1	job
16. Refurbish main entrance for universal accessibility (path, ramp)	1	job

IV MECHANICAL, ELECTRICAL, FIRE PROTECTION AND PLUMBING REPORTS – BUILDING NUMBER 31

A. HEATING, VENTILATING AND AIR CONDITIONING

1. Existing Conditions

- a. Heating Media
 - 1) Heating systems media provided from above ground, medium pressure (40 pounds per square inch gauge for this building only) steam distribution system that has been disconnected from inactive boiler plant.
- b. Heating Return
 - 1) Heating condensate return piping is piped to return condensate pump.
- c. Generator Room #1
 - 1) Compressed air tank remove; however, compression remains
 - 2) Diesel generators remain
 - 3) Propeller exhaust fans located above large doors for space ventilation
 - 4) Air shaft below floor
 - 5) Steam radiator "Young"
 - 6) Steam propeller unit heaters
- d. Turbine room "Large"
 - 1) Two turbines and associated equipment remain.
 - 2) Space provided with (4) four wall mounted air intake louvers and two wall mounted exhaust fans.
 - 3) Heating provided by (4) four "Modine" steam propeller unit heaters. All associated piping remains.
 - 4) Two 275 gallon tanks for lubrication oil (assume oil removed).
 - 5) Generation muffler (4) located on roof
 - 6) Generator day tank, diesel fuel (assume fuel removed)
- e. Office Ventilation
 - 1) Office area no heat no ventilation.

- f. General Control Room
 - 1) General control panel room, provided "Trane" steam propeller unit heater and a large roof mounted centrifugal exhaust fan.
- g. Outside Oil Tank
 - 1) Outside 25,000 Gallon underground storage tank has been removed.

2. Recommendations

- a. Heating Media
 - 1) Hot water heating plant, provided with propane gas-fired boilers with propane tanks located outside of building. Additional Mechanical space within building will be required for heating plant. Mechanical space for large boilers, hot water pumps, air-handling units, exhaust fans, et cetera
- b. Equipment Ventilation
 - 1) It is our understanding that if the spaces are used for vocational shops, specialized technology, low-hazard factor or industrial occupancies they will require a greater volume of equipment ventilation air. For the purpose of this evaluation (worst case) the ventilation requirements are based on providing six (6) air changes per hour of outside air in the turbine room and four (4) air changes per hour of outside air in the remaining areas, total estimated volume of 9,000 cubic feet per minute. Theatre 436 people @ 15 cubic feet per minute/person = 6500 ventilation air.
- c. Heating Distribution
 - 1) Heating and ventilation air-handling units would be mounted from overhead, provided with distribution ductwork throughout the spaces. Existing outside air intake louvers enlarged or new louvers provided. Exhaust fans located on roof and all systems provided with 100% economizer with all outside air usage.
- d. Tenant Work
 - 1) Provisions for actual equipment, fume hood exhaust, sculpture, woodworking dust collection, welding exhaust, et cetera have not been provided for. It is assumed they are provided by the tenant.

- e. Toilet Exhaust
 - 1) New Toilet exhaust systems.
- f. Miscellaneous Heating
 - 1) Heating of vestibules and entry provided with cabinet unit heaters.
- g. Domestic Hot Water
 - 1) Refer to plumbing for domestic hot water services.
- h. Automatic Temperature Control
 - 1) Space automatic temperature controls shall be electric/direct digital.

3. Miscellaneous

- a. No central air conditioning is scheduled for this building.
- b. Estimated building heating requirement with ventilation air requirement, as stated in item 2b, is ∇ 1,160 MBH.
- c. Studio space, central museum-type environmental conditions are not provided.
- d. Refer to supplement section: Sustainable Passive Solar and Wind Energy Technologies

B. PLUMBING

1. Existing Conditions

- a. Plumbing Fixtures
 - 1) One single toilet room at the rear of the plant
 - a) (1) water closet, floor mounted, flush valve
 - b) (1) lavatory, wall hung
- b. Water Service
 - 1) None found
- c. Water Heating
 - 1) Rheem, imperial, model 661C52D, 52-gallon electric (1500 W, 1 Phase, 240 V) storage water heater (1979)
 - 2) Heater was located in the toilet room
- d. Domestic Water Distribution
 - 1) Most of the distribution throughout the plant is demolished. Abandoned hose bibbs as well as other various plumbing connections are located throughout the plant in failed condition.

- e. Sanitary Distribution
 - 1) The building is slab on grade. No sanitary piping was found. Abandoned in place troughs around generators were present but were in failed condition. No other floor drains were verified elsewhere. The system below grade is assumed in poor to failed condition due to age and previous waste. It is unknown if any buried exterior interceptors of any kind are located outside the plant. Vent piping was found throughout in poor to failed condition.
- f. Miscellaneous (beyond assumptions)
 - 1) The remains of a compressed air system is located in the west end of the plant. A storage tank and miscellaneous piping remain abandoned in place. The tank and piping are in failed condition.
 - 2) This building has a storm system. Roof drains and leaders are in poor condition and require complete replacement from roof drain to below grade and exit from building. Coordination with civil engineering is necessary to determine system discharge locations.
 - 3) Pending results of careful demolition, the lavatory may be refurbished and reused at another location with new waste, trim and faucet.
 - 4) No floor drains were found in the toilet room/water heater room or throughout all the mechanical room spaces.
 - 5) Exterior wall hydrants were not present on this building.

2. Recommendations (Shop/Studio or Theater)

- a. Plumbing Fixtures
 - 1) 33 Men (Shop/Studio)
 - a) (1) water closet
 - b) (1) urinal
 - c) (2) lavatories
 - d) (3) showers (optional per tenant)
 - e) (1) floor drain
 - f) (1) hose bibb
 - 2) 33 Women (Shop/Studio)
 - a) (2) water closets
 - b) (2) lavatories
 - c) (3) showers (optional per tenant)

- d) (1) floor drain
- e) (1) hose bibb
- 3) 218 Men (Theater)
 - a) (2) Water closets
 - b) (1) urinal
 - c) (2) lavatories
 - d) (1) floor drain
 - e) (1) hose bibb
- 4) 218 Women (Theater)
 - a) (5) Water closets
 - b) (2) lavatories
 - c) (1) floor drain
 - d) (1) hose bibb
- 5) General building (for either use)
 - a) (1) drinking fountain
 - b) (1) janitor's sink
 - c) (3) exterior wall hydrants
 - d) (2) mechanical room floor drains
 - e) (2) mechanical room hose bibbs.
- b. Water Service
 - 1) A new 2-inch service would be required to accommodate the proposed fixtures for either use. The new service would run below the slab and rise up within a mechanical room.
- c. Water Heating
 - 1) Shop/Studio
 - a) If we assume that the optional showers would be installed as a tenant fit-up, the recommended base building water heater would be a small 10-gallon electric storage heater with a low recovery electric input. The heater would be located on a shelf within the janitor's closet (assume close to the toilet rooms). The showers along with a gas fired storage water heater would all be provided by the tenant.
 - 2) Theater
 - a) The water heater would be the same as the shop/studio base building heater.
 - 3) Although not recommended, the domestic hot water could also be supplied from the building system boiler.
- d. Domestic Water Distribution
 - 1) New hot and cold water piping would run primarily within partitions between the janitor's closet and the toilet room wet walls. Branch cold water would run above the ceiling and drop in exterior partitions to exterior wall hydrants.
- e. Sanitary Distribution
 - 1) A new 4-inch sanitary service would be required to accommodate the proposed fixtures for either proposed use. The piping would run buried below the slab and within the partitions. A new 4-inch vent would collect the vents within the partitions and extend through the roof above the toilet areas. A 4-inch sanitary grid for shop/studio tenant drains and fixtures would be done by the tenant during fit-up.
- f. Propane System
 - 1) A single point-of-use system would be installed by a supplier to accommodate the building heating system and if provided by the tenant, a storage type water heater.
 - 2) A new gas main will follow the domestic water route to the mechanical rooms.
 - 3) It may be more feasible to combine propane gas loads with Building 33 for possible gas source via a bulk tank
- g. Miscellaneous
 - 1) The plumbing costs will include cutting and patching the slab to remove the existing sanitary piping and accommodate the new proposed fixtures. The cost for tenant fit-up system would be by the tenant.
 - 2) The plumbing costs will include a new storm water system for this building. The system would consist of several new roof drains (varies with roof pitch), several new roof leaders and a new 8-inch storm exit main to the site system.
 - 3) For sustainability, review Sustainability Section and possible combining of systems noted above.

C. FIRE PROTECTION**1. Recommendations**

- a. Shop/studio
 - 1) None required by code. However, pending the tenant or the building occupancy, an automatic sprinkler system could be installed by the tenant during fit-up. An automatic sprinkler system installation would also help to reduce code requirements such as fire separations, exiting, et cetera
- b. Theater
 - 1) None required by code. However, the policy of the National park service is to maximize life safety. Therefore, an automatic sprinkler system would be recommended for this building due to the proposed use (theater with large volume of occupants). An automatic sprinkler system installation will also help to reduce code requirements such as fire separations, exiting, et cetera
 - 2) A wet automatic fire suppression system would initially be proposed for this building due to the construction (i.e., no attic or crawlspaces). But since there is a high risk potential of power and building heating failure, then a dry system is recommended. This will isolate the potential of freezing pipes at the sprinkler water entrance room only.
 - 3) A dry automatic fire suppression system would be installed throughout the building.
 - 4) A new 4-inch service with double check valve assembly would be necessary.
 - 5) Two new dry alarm check valves with related trim would be necessary.
 - 6) Piping would be schedule 40 steel with screwed and mechanical joint fittings. Piping would be divided into two zones and be sized for light hazard occupancy per NFPA 13 standards.

- 7) Sprinklers would be installed throughout this building and be coordinated with the various ceiling levels.
- c. Miscellaneous (beyond assumptions)
 - 1) None.

D. ELECTRICAL**1. Existing Conditions:**

- a. This building was the Power Generation Plant for the entire base when it was completed in the early 1950's. Most of the generating equipment has been removed and what remains is in disrepair and in poor condition. Most nameplates on the larger equipment have been either painted over or removed. The following is an inventory of what still remains.)
 - 1) Generators:
 - a) Two large engine/generator sets with control panels.
 - b) Minimum Engine/Generator set rated at 100 KW/125 KVA, 348A, 120/208V, 3 phase, 4 wire. (3 similar generators appear to have been removed).
 - c) 4 Section motor control center with no nameplate.
 - d) Generator Control and paralleling gear manufactured by Federal Pacific and General Electric.
 - 2) Panels:
 - a) Kelek, 200A, 120/208V, 3 phase, 4 wire in poor condition.
 - b) Kelek, 100A, 120/208V, 3 phase, 4 wire in poor condition.
 - c) Five other miscellaneous panels in poor condition.
 - 3) Fire Alarm System:
 - a) None.
 - 4) Lighting:
 - a) Fixtures are generally incandescent industrial pendants with reflectors, which are in poor condition.
 - b) Additional fixtures are fluorescent, pendant, industrial, 2 lamp, which are in poor condition.
 - 5) Emergency Lighting:
 - a) None.
 - b) Exit signs are incandescent and are in poor condition.

- 6) Exterior Lighting:
 - a) Incandescent type 120 volts, switch controlled.
Fixtures are in poor condition.
- 7) Wiring Devices:
 - a) Grounding type receptacles, color: brown.
Devices and coverplates are in poor condition.
- 8) Telephone System:
 - a) System enters the building underground.
System has been disconnected. Interior wiring is in poor condition.

2. Recommendations:

- a. All systems are in fair to poor condition and must be replaced for the building to be habitable for any use. See Part III. Typical Mechanical, Electrical, Fire Protection and Plumbing Items.
- b. Refer to "Sustainability Supplement" section.

We have listed in Table 1 the location and estimated quantity, by square foot (sf), linear foot (lf), or other appropriate unit, of each type of ACBM identified at the site. We have also provided asbestos location drawings in Appendix B.

TABLE 1. • List Of Materials Testing Positive For Asbestos

Building 31 Power Plant, Truro Air Base, North Truro, Massachusetts

Type of Material	Location	Quantity
Tan mastic and associated green 9"x 9" floor tile	Bathroom, switch gear room, control room and corridor outside office 1	1,100 sf
Tan mastic and associated green 9"x 9" floor tile on plywood over tan 12"x12" floor tile and mastic adhesive (two layers)	Office 1 and office 2	270 sf
Black mastic adhesive and associated baseboard	Control room	80 lf
Gray caulking between make-up air vents and masonry block wall	Exterior of building at all vent grills	20 lf
Black asphalt flashing roof material	Where roofs abut and around roof penetrations	150 sf

In Table 2, all materials that tested negative for asbestos are listed, including the locations where these materials were observed and the corresponding bulk sample reference number(s).

TABLE 2. • List Of Materials Testing Negative For Asbestos		
Building 31 Power Plant, Truro Air Base, North Truro, Massachusetts		
Type of material	Location(s) observed	Sample number(s)
Green 9"x 9" floor tile (tile must be treated as ACM due to cross-contamination from mastic adhesive)	Bathroom, switch gear room, control room and corridor outside office 1	PP-03A
White gypsum wallboard	Office 1 and office 2	PP-05A, PP-05B, PP-05C
White joint compound associated with gypsum wallboard	Office 1 and office 2	PP-06A, PP-06B, PP-06C
Black 6" baseboard (baseboard must be treated as ACM due to cross-contamination from mastic adhesive)	Control room	PP-07A
Gray window caulking	Front exterior	PP-09A
Multiple layers of asphalt roof felts	Built-up gravel roof core sample	PP-12A, PP-13A

2.0 Conclusions and Recommendations

On the basis of our findings, we offer the following conclusions and recommendations:

1. Only nonfriable ACM were identified at the site. Should the building be renovated or demolished, removal of the ACM will be necessary. Abatement of all nonfriable ACM that will be made friable by demolition activities must be performed before building demolition. This work should be conducted by a licensed Asbestos Abatement Contractor in accordance with a project design prepared by a certified Abatement Project Designer.
2. Asphalt roof materials containing asbestos may be left in place during demolition if they meet all conditions and guidelines associated with the Massachusetts Department of Environmental Protection (MA DEP) Bureau of Waste Prevention Policy #BWP-96-012. All demolition involving these materials must comply with 310 CMR 7.09 (3) and (4) (Dust, Odor, Construction, Demolition). Asphalt roof materials meeting the condition of this Policy may also be disposed of in a landfill permitted by the DEP to accept solid waste in accordance with the Solid Waste Management Facility Regulations 310 CMR 19.061(6)(b)3. If these materials are in a deteriorated condition prior to beginning renovation/demolition operations, then 310 CMR 7.15 asbestos controls shall be complied with including notification to the DEP. In addition, these materials must be disposed in a landfill that has obtained a special waste permit to accept asbestos containing wastes, in accordance with 310 CMR 19.06 "special Waste."
3. If any suspect ACM are identified at a later date that are not addressed in this inspection report, they should be assumed to be ACM unless appropriate sampling and analysis demonstrates otherwise.
4. Develop a site-specific operations and maintenance (O&M) program for properly maintaining ACM that will remain in place. Such a program would include a site-specific O&M plan, training of workers who may impact ACM, periodic inspection of locations where ACM is present, and other applicable guidelines and procedures.

VHB**XRF Field Testing Results**

Site Access: Yes
 Demo Permitted?: Yes
 Project# 06780
 Location: Building #31

Date 11/3/99
 Page 1 of 1
 Project Name: N. Truro AFS
 Inspector: TMD

Location	Surface Tested	Substrate	Concentration (mg/cm ²)	Estimated Quantity*
Turbine Room	Yellow railing	Metal	2.4	25 SF
	Gray lube oil ASTs	Metal	13.5	30 SF
	Brown lower wall	Block	11.1	
	White upper wall	Block	10.0	
	Brown lower support column	Metal	2.1	2 - 4
	White upper support column	Metal	5.6	2 - 4
	Gray louvres	Wood	0.2	
	Black diesel AST support	Metal	1.6	20 SF
	Tan window casing	Wood	0.3	
	Office #1	White upper wall	SR	< 0.1
Brown door casing		Wood	< 0.1	
Brown window casing		Wood	< 0.1	
Office #2	White upper wall	SR	< 0.1	
	White window casing	Wood	< 0.1	
	White door	Wood	0.2	
Control Room	White wall	Block	< 0.1	
Fuel Room	White wall	Block	< 0.1	
	Brown door	Wood	0.1	
Switchgear Room	White upper wall	Block	0.1	
	Brown lower wall	Block	< 0.1	
	Brown desk	Wood	1.2	30 SF
Bathroom	White upper wall	Block	< 0.1	
	Brown lower wall	Block	0.3	
	Brown door	Wood	< 0.1	
Generator Room	Brown door to exterior (north)	Metal	0.1	
	Brown lower wall	Block	0.8	
	White upper wall	Block	< 0.1	
	Brown door to exterior (south)	Metal	< 0.1	
Eye Wash Room	White wall	Block	< 0.1	
	Green door	Wood	< 0.1	
Exterior	White wall	Block	0.5	
	Brown window casing	Wood	< 0.1	
	Brown upper trim	Metal	< 0.1	
	Brown eave	Metal	0.4	
	HVAC vents	Metal	2.7	6 vents

*LBP components only. Limit of detection of NITON XRF is < 0.1 mg/cm² SR=Sheet Rock Block=Cinder Block SF=Square Feet

VHB**Oil and Hazardous Materials (OHM) Inventory**

Project: Former Air force Station
 Location: North Truro, MA

Project # 06780

Location	Waste Type	Container Type	Volume of Content	Quantity	Comments
Building #31					
	fuel, oils, and battery	Diesel generator		1	residuals
	PCBs	Light ballast		4	
	Mercury	Fluorescent bulbs		8	4 foot
	PCBs	Turbine engine		1	
	6 volt batteries	Emergency lights		21	3 per light
Turbine Room	Diesel fuel	AST	275-gallon	2	residuals
Turbine Room	Lube oil	AST	275-gallon	2	residuals
Turbine Room	Lubricating oils	Water pump motors		4	mobile fire suppression
Turbine Room	CFCs	Refrigerators		4	
Bathroom	Drain opener	Plastic	32 Oz.	1	sulfuric acid