Building Number: 36

Original Name: **Maintenance Shop**

Est. Year of Construction: **1953**

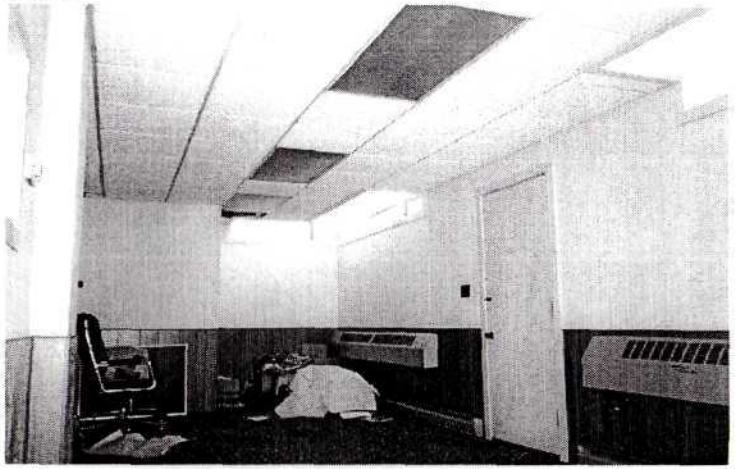
General Data

- Square Footage: 2,470
- # of Floors: 1
- # of Rooms: 7
- # of Bedrooms: 0
- # of Bathrooms: 2
- # of Kitchens: 0
- # of Laundry Rooms: 0
- # of Shower Rooms: 0
- Basement or Crawl Space? Slab-on-grade
- Ceiling Heights: 11'-8" in garage
  7'-8" throughout rest

View from southwest.

History and Future Plans

Building #36 was originally used as a maintenance shop. NPS anticipates use of this building for similar maintenance shop and office use, possibly in conjunction with the NPS Atlantic Learning Center.



Interior office.

Detail of deteriorated CMU wall.

Exterior Conditions

- *Roof*

  Low pitch hipped roof with deep overhangs in **fair/good condition**.

- *Wall*

  Exterior is constructed of painted concrete masonry unit (CMU) in **fair/ poor condition**. Several vertical and racking cracks through blocks need repair - worst is the southeast wing elevation. Advise to rebuild 200 SF and repoint all. Recommend waterproofing of all walls.

- *Trim*

  Wood fascia in **fair/ good condition**. Recommend replacement of 20 LF. Soffits damaged. Allow replacement of 100 SF.

- *Foundation*

  Poured concrete slab on grade in **good condition**.

Framing

Hip Roof: Wood 2 x 8 rafters and c.j. @ 24" O.C.; 3 – 2 x 12 ridge beam. Plywood sheathing and insulation above ACT. **Fair/good condition**.
Wall: 8" CMU walls with 8" x 16" pilasters at perimeter columns. 6 x 6 wood posts support ridge. **Fair/good condition**.
Floor: Concrete slab-on-grade in **good condition**.

Life Safety

The three means of egress from Building # 36 are in **fair condition**. Advise that all doors be replaced. One step up to main entrance - not handicap accessible.

Interior Conditions

- *Ceiling*

  Acoustic ceiling tile (ACT) in **fair condition**. Some tiles are missing/damaged. Finished ceiling with existing light fixtures above ACT in office in **fair condition**. Ceiling suspends below and away from window heads.

- *Wall*

  Painted CMU and 8' wood plank paneling in garage in **fair/good condition**. Some paint is peeling. Refinishing recommended. Painted drywall throughout rest in **fair/good condition**. Repair of hole in bathroom and refinishing of all recommended.

- *Trim*

  Painted wood door and window trim is in **fair condition**. Paint is peeling and cracking and some pieces have mildew damage. Refinishing is recommended. No baseboard exists.

- *Floor*

  Concrete slab in garage in **good condition**. VAT in Bench Stock Room in **fair condition**. Carpet over vinyl floor in entry and carpet over vinyl-asbestos tile (VAT) in offices in **fair condition**. Advise replacement of carpet and VAT.

Windows

Building #36 has 11 awning windows with the bottom panel operable in **fair/poor condition**. 5 windows in garage are situated above eye level. Replacement of all windows is recommended.

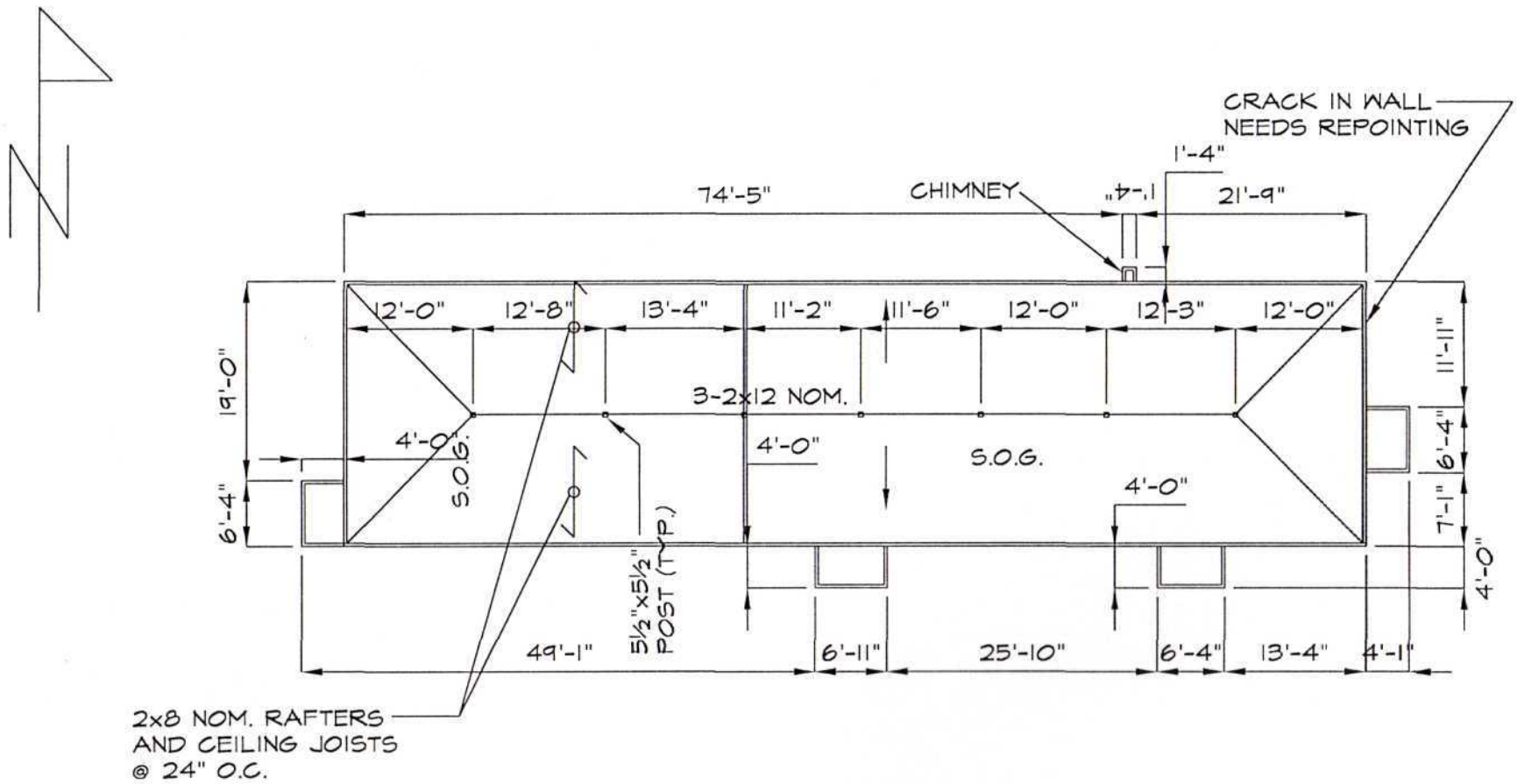
Doors

Interior wood panel doors in **fair/ poor condition**. All have mildew damage and need to be refinished. Two solid wood flush doors and one metal door with one lite are in **fair condition**. Hardware is missing / rusted. One 16-panel garage door in **poor condition**. Replacement of all doors recommended.

Reusable Fixtures

Kitchen sinks are in fair condition and can be refurbished. Other fixtures must be replaced; refer to Mechanical/Electrical/Plumbing section.

Building Number: 36



36

NOTES:

1. 8" CMU WALLS w/ 8"x16" PILLASTERS AT COLUMNS.
2. THE WALLS MUST BE WATERPROOFED AND THERE ARE SOME CRACKS THAT MUST BE REPOINTED.

Building 36

A. Building Classification
Existing Maintenance Shop is assumed to be S-1 moderate-hazard storage use, a category including motor vehicle repair garages. Proposed continuation of S-1 use anticipates a maintenance shop with accessory offices and assumes no open-flame welding activities.

B. Occupancy and Fire Separations
Per 302.1.1, boiler and furnace rooms require 1-hour separation or an automatic fire suppression system. 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 3B, masonry bearing wall building with wood-framed, unprotected, roof. Per Table 602, fire resistance rating not required for roof construction.

D. Floor Area
2,470 sf < 8,400 sf max. allowed for 3B construction, per Table 503.

E. Height and Number of Stories
1story; conforms to 2-story/30' max. for S-1 use (Table 503).

F. Occupancy
Proposed retention of S-1 use (with accessory B office use) results in no change in Hazard Index; Chapter 34 provisions are applicable.

4 occupants (at 300 gsf per occupant for storage areas in 963 sf garage) + 15 occupants (at 100 gsf per occupant in 1,507 sf office space) = 19 max. occupants

G. Exiting Requirements
Existing one-story building has three single-leaf exits. Per Table 1009.2, for S and B uses, egress width of doors, ramps and corridors per occupant is .2" without sprinkler system, .15" with sprinkler system. Existing egress widths are adequate for 19 occupants.

H. Loading Requirements
Slab-on-grade floor. Refer to plan diagrams for structural information.

I. Accessibility
Main entrance is one step up; must be refurbished or adapted for universal accessibility.

BUILDING #36: REQUIRED ARCHITECTURAL AND STRUCTURAL REPAIRS

1. Repair/replace framing and sheathing	50	sf
2. Remove and replace rotted soffits	100	sf
3. Remove and replace rotted trim	20	lf
4. Cut & repoint, repair damaged CMU masonry	200	sf
5. Remove and replace exterior doors, hardware	3	ea
6. Remove and replace garage door	1	ea
7. Spray-apply cementitious waterproofing	2,450	sf
8. Remove windows and replace with metal-clad wood windows	11	ea
9. Repair and recondition window sill, lintel; paint	11	ea
10. Remove and replace asphalt shingle roof	1	sq
11. Install batt insulation/gypsum wallboard at walls	2,450	sf
12. General interior cleanout, mildew treatment	2,470	sf
13. Patching and floor, wall and ceiling finishes (gfa)	2,470	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 36

A. HEATING, VENTILATING AND AIR CONDITIONING

1. Existing Conditions

a. Heating Media
   1) Heating systems media is provided from above-ground, low pressure steam distribution systems that has been disconnected from inactive boiler plant. Steam enters the bench stock room with a two-way heating control valve.

b. Bench Area Heating Distribution
   1) Bench area space has been provided with Electric "Dayon" propeller unit heaters and steam propeller heaters.

c. Large Shop Heating
   1) Large Shop area provided with steam "McQuay" and "Dayon" type propeller unit heaters.

d. Heating Distribution
   1) Steam fin-tube radiation provided in office area at exterior walls with separate controls.

e. Ventilation
   1) No central ventilation has been provided for building.

f. Laundry Room
   1) Laundry room provided with electric dryer and vented to outside.

g. Automatic Temperature Control
   1) Honeywell controls and Dayton electric controls provided for propeller unit heaters.

h. Toilet Exhaust
   1) Toilet provided with exhaust fan.

2. Recommendations

a. Heating Media
   1) Hot water heating provided with propane gas-fired boiler with propane tank located outside. Space within building must be provided for heating plant for boiler, pump, et cetera

b. Heating Distribution
   1) Replacement of three (3) Propeller unit heater within the maintenance shop and ventilation exhaust fans with gas-fired propeller unit heaters.

c. Office Heating
   1) Separate 800 cubic feet per minute heating and ventilating unit and exterior hot water fin-tube radiation provided for office areas.

d. Toilet Exhaust
   1) New toilet exhaust fan and ductwork.

e. Miscellaneous Heating
   1) Heating of vestibules and exits provided with cabinet unit heaters.

f. Domestic Hot Water
   1) Refer to plumbing for domestic hot water requirements.

g. Laundry
   1) Replacement of Laundry vents.

h. Automatic Temperature Controls
   1) Space automatic temperature control shall be electric/direct digital.

i. Special Requirements
   1) Any welding exhaust requirement systems shall be provided by the tenant as a separated package exhaust system.

3. Miscellaneous

a. No central air conditioning schedules for this building, however office area window/wall type may be considered.

b. Estimated Building heating requirement with ventilation is 245 MBH.

c. Refer to supplement section: Sustainable Passive Solar and Wind Energy Technologies

B. PLUMBING

1. Existing Conditions

a. Plumbing Fixtures
   1) Front (south) Toilet Room.
      a) (1) Water closet, floor mounted, flush valve
      b) (1) Urinal

c) (1) Janitor's water connection only, no fixture
2) Front (south) Kitchen
a) (1) stainless steel single bowl sink
3) Toilet Room (east)
a) (1) Water closet, floor mounted, tank type
b) (1) lavatory/sink, counter mounted stainless steel.
4) Kitchen (rear)
a) (1) Stainless steel sink

b. Water Service
1) Not found. Service rises from below slab, assume around front (south) toilet room area.

c. Water Heating
1) None found.

d. Domestic Water Distribution
1) Hot and cold water distribution is assumed above ceiling and within partitions.

e. Sanitary Distribution
1) All existing sanitary is below the floor slab

f. Miscellaneous (beyond assumptions)
1) All plumbing fixtures (except sinks) were in failed condition. However, pending results of careful demolition, the three counter sinks may be refurbished and re-used with new waste, trim and faucets.
2) Exterior wall hydrants were not present on this building.

2. Recommendations (Maintenance Shop with Offices)

a. Plumbing Fixtures
1) 10 Men (Shop/Office)
a) (1) Water closet
b) (1) Lavatory
c) (1) Shower (optional per tenant)
d) (1) Floor drain
e) (1) Hose bibb
2) 10 Women (Shop/Office)
a) (1) Water closet
b) (1) Lavatory
c) (1) Shower (optional per tenant)
d) (1) Floor drain
e) (1) Hose bibb
3) General building (for either use.)
a) (1) Drinking fountain
b) (1) Janitor's sink
c) (3) exterior wall hydrants
d) (1) Mechanical room floor drain
e) (1) Mechanical room hose bibb

b. Water Service
1) A new 1 1/4-inch service would be required to accommodate the proposed fixtures. The new service would run below the slab and rise up within the janitor's closet.

c. Water Heating
1) Maintenance Shop with Offices
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 be provided by the tenant.
b) Although not recommended, the domestic hot water could also be supplied from the building heating 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. 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 area.

f. Propane System
1) A single bottle 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 hot water heater.

2) A new gas main will follow the domestic water route to the boiler room.

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.

2) The plumbing costs do not include any fit-up provisions (i.e., slab cutting, water waste, et cetera) for shop. The tenant would be responsible for fit-up.

3) Other than typical notes on water conservation, additional sustainability options are not available.

C. FIRE PROTECTION

1. Recommendations

a. None required by code. However, pending the tenant or building occupancy, an automatic sprinkler system could be installed by the tenant during the fit-up. An automatic sprinkler system installation would also help to reduce code requirements such as fire separations, exiting, et cetera

D. ELECTRICAL

1. Existing Conditions:

a. Building Electric Service:

1) 200 ampere, 120/208 volts, three phase, 4-wire, overhead service drop from pole, to a 200 ampere main disconnect switch with 200-ampere fuses. The main disconnect switch feeds a Square D panel rated 400 ampere, 120/208 volt, three phase, 4-wire, and 36 poles with branch circuit breakers. Panel is in poor condition. Service has been disconnected.

2) There is also a Square D, Type Q0 load center, with 125-ampere main circuit breaker, 120/208 volts, 3 phase, 4-wire, and 30 poles with branch circuit breakers. The load center is in poor condition.

b. Fire Alarm System:

1) None.

c. Lighting:

1) Fixtures are fluorescent, recessed, 2' X 4', with 4 lamps and lenses. Fixtures are in poor condition with water damage and rust.

d. Emergency Lighting:

1) None.

e. Exterior Lighting:

1) Incandescent jelly jar type at entry door. Fixture is 120 volts and controlled by a switch. Fixture is in poor condition with broken lens.

f. Wiring Devices:

1) Grounding type receptacles, color: brown with galvanized coverplates. Devices and coverplates are in poor condition.

g. Telephone System:

1) 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 36, Truro Air Base, North Truro, Massachusetts

Type of Material	Location	Quantity
Gray cement (transite) panel	Walls and ceilings in Bathroom 1, loose piece in garage area and exterior soffit throughout	1,850 sf
Gray linoleum and associated mastic adhesive over brown 9"x 9" floor tile (2 layers)	Front foyer	132 sf
Black/white 9"x 9" floor tile and associated tan mastic adhesive	Office 1, bathroom 2	310 sf
Gray 12"x 12" floor tile and associated mastic adhesive	Office 2	190 sf
Thermal system pipe insulation and associated mud fitting insulation (some pipe hidden in wall)	Bathroom1, Office 2 and attic	75 lf
Black 9"x 9" floor tile	Storage area	90 sf
Tan 9"x 9" floor tile	Office 3	160 sf
Green 12"x12" floor tile and associated mastic adhesive	Bathroom 1	120 sf
Black condensation sink mastic	Bathroom 1 and bathroom 2	2 total

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 36, Truro Air Base, North Truro, Massachusetts

Type of material	Location(s) observed	Sample number(s)
Black mastic adhesive under brown 9"x 9" floor tile	Foyer	36-08A
Tan mastic adhesive associated with brown 9"x 9" floor tile	Office 3	36-10A
White gypsum wallboard	Throughout	36-15A, 36-15B, 36-15C
White joint compound associated with gypsum wallboard	Throughout	36-16A, 36-16B, 36-16C
Tan mastic behind wood wall paneling	Office 3	36-17A
Gray/off white 2'x2' ceiling tiles	Garage	36-20A
Gray window and building caulking	Exterior between window and wood frame opening and along building seams	36-22A, 36-26A
Black asphalt 3- tab roof shingles (2 layers)	Roof	36-27A, 36-28A

2.0 Conclusions and Recommendations

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

1. Both friable and nonfriable ACBM were identified at the site. Should the building be renovated or demolished, removal of the ACBM will be necessary. Abatement of all friable and nonfriable ACBM 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. ACM pipe insulation was identified behind fixed walls in bathroom 1 and may be present in other locations. The pipe insulation in the attic was partially covered by fiberglass insulation and may be under the fiberglass as well.
3. 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."
4. If any suspect ACBM are identified at a later date that are not addressed in this inspection report, they should be assumed to be ACBM unless appropriate sampling and analysis demonstrates otherwise.
5. Develop a site-specific operations and maintenance (O&M) program for properly maintaining ACBM that will remain in place. Such a program would include a site-specific O&M plan, training of workers who may impact ACBM, 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 #36

Date 11/3/99
Page 1 of 2
Project Name: N. Truro AFS
Inspector: TMD

Location	Surface Tested	Substrate	Concentration (mg/cm^2)
Garage	Brown cabinets	Wood	0.1
	Gray floor	Concrete	< 0.1
	Yellow floor stripe	Concrete	< 0.1
	Gray vertical supports	Wood	< 0.1
	White wall	Concrete	0.1
	Brown overhead door	Wood	< 0.1
	Brown door to exterior	Wood	< 0.1
Stock Room	Brown door	Wood	< 0.1
	Dark brown lower wall	SR	< 0.1
	Light brown upper wall	SR	< 0.1
Foyer	White cabinets	Wood	< 0.1
	White upper wall	Wood	< 0.1
	White radiator	Metal	< 0.1
	White door to exterior	Wood	< 0.1
Bathroom #1	White door	Wood	< 0.1
	Orange sink splash guard	Formica	< 0.1
	White lower cabinet	Wood	< 0.1
	White window casing	Wood	< 0.1
	White wall	SR	< 0.1
	White stall divider	Wood	< 0.1
Office #3	White upper wall	Wood	< 0.1
	White window casing	Wood	< 0.1
Office #2	White upper wall	SR	< 0.1
Office #1	White window casing	Wood	< 0.1
	White upper wall	Wood	< 0.1
	White door casing	Wood	< 0.1
	White door to exterior	Wood	< 0.1
Bathroom #2	White upper wall	SR	< 0.1
	White ceiling	SR	< 0.1
	White vanity	Wood	< 0.1
Hot Water Heater Room	Gray floor	Concrete	< 0.1
	White wall	Block	< 0.1
	White wall	SR	< 0.1
	White door	Wood	0.2

*LBP components only. Limit of detection of NITON XRF is **< 0.1 mg/cm^2**) SR=Sheet Rock Block=Cinder Block

VHB XRF Field Testing Results

Site Access: Yes
Demo Permitted?: Yes
Project# 06780
Location: Building #36

Date 11/3/99
Page 2 of 2
Project Name: N. Truro AFS
Inspector: TMD

Location	Surface Tested	Substrate	Concentration (mg/cm^2)	Estimated Quantity*
Exterior	White wall	Block	< 0.1	
	Brown overhead door	Wood	0.2	
	Brown eve	**Transite**	**2.5**	**S&W #**
	Brown upper trim	**Wood**	**3.1**	**125 SF**

*LBP components only. Limit of detection of NITON XRF is **< 0.1 mg/cm^2**) SR=Sheet Rock Block=Cinder Block SF=Square Feet

VHB

Oil and Hazardous Materials (OHM) Inventory

Project: Former Air force Station **Project # 06780**
Location: North Truro, MA

Location	Waste Type	Container Type	Volume of Content	Quantity	Comments
Building #36					
	Mercury	Thermostat ampules		2	
	CO2/compressed ga	Fire Extinguisher		2	
	Glass cleaner	Plastic	5 gallon	1	1/4 full
	Plastic Dip	Metal	1 gallon	5	
	Anti-freeze	Plastic	1 gallon	1	1/4 full
	PCBs	Light ballast		18	
	Mercury	Fluorescent bulb		34	4 foot
Shop Supplies Cabinet	Deodorant (Air)	Aerosol	14 oz.	2	
	Deodorant (Air)	Aerosol	16 oz.	2	
	Spray cleaner	Plastic	1 pint	2	
	Furniture wax	Aerosol	18 oz.	1	
	Furniture polish	Aerosol	18 oz.	1	
	Roof coating	Metal	5 gallon	1	
	Shop motors	Metal		3	may contain residual lubricants
Flammables Cabinet	Plastc pipe cement	Metal	32 oz.	1	
	Wire pull lubricant	Metal	32 oz.	1	
	Glazing compound	Metal	32 oz.	3	
	Unlabeled	Metal	12 oz.	1	
	Solvent	Aerosol	16 oz.	1	
	2 Cycle engine oil	Plastic	32 oz.	1	
	Anti-seize	Aerosol	16 oz.	2	propane/butane propellant
	Lubricant	Metal	1 gallon	2	
	Acetone	Glass	1 gallon	1	1/3 full

VHB

Oil and Hazardous Materials (OHM) Inventory

Project: Former Air force Station **Project # 06780**
Location: North Truro, MA

Location	Waste Type	Container Type	olume of Contents	Quantity	Comments
Building #36 (cont.)					
Flammable Cabinets (c	Glazing compound	Metal	4 oz.	1	
	Paint	Metal	1 gallon	1	
	Foam glass cleaner	Aerosol	19 oz.	2	
	Cream hardener	Tube	0.75 oz.	1	
	Grease/lubricant	Tube	14 oz.	1	
	Anchor bolt cement	Plastic	1 gallon	1	
	Windshield anti-freez	Plastic	1 gallon	1	
	2 Cycle motor oil	Plastic	32 oz.	1	1/4 full
	Unlabled	Plastic	32 oz.	1	
	Lubricant	Metal	1 pound	1	
	Silicone grease	Metal	1 pint	1	
	Plug valve grease	Metal	32 oz.	1	
	Ceramic tile adhesiv	Metal	1 gallon	2	
	Paint	Metal	1 gallon	1	
	Wood preservative	Metal	1 gallon	5	
	Soldering paste	Metal	1 pound	1	
	Black spray paint	Aerosol	13 oz	1	
	Carburetor cleaner	Aerosol	13 oz.	1	
	Electric lube	Aerosol	13 oz.	1	
	Gunk brake cleaner	Aerosol	22 oz.	1	residual
	Liquid Wrench	Aerosol	11 oz.	1	residual
	Rust inhibitor	Aerosol	8 oz.	1	
	Touchup spray paint	Aerosol	5 oz.	1	
	Cleaning compound	Aerosol	13 oz.	3	Trichlorethylene/trifuorethylene

VHB

Oil and Hazardous Materials (OHM) Inventory

Project: Former Air force Station **Project # 06780**
Location: North Truro, MA

Location	Waste Type	Container Type	olume of Contents	Quantity	Comments
Building #36 (cont.)					
Flammable Cabinets (c	Cleaning solvents	Aerosol	16 oz.	3	contains CFC's
	Lacquer	Aerosol	16 oz.	2	
	Rust inhibitor	Aerosol	12 oz.	1	
	Starting fluid	Aerosol	11 oz.	1	
	Pipe thread compoun	Metal	32 oz.	1	1/2 full
	Desiccant	Cloth bag	650 gram	1	
	Flexi wall compound	Plastic	1 gallon	3	
	Air compressor	Metal		1	residual lubricants
Bathroom #2	Furniture wax	Plastic	18 oz.	1	
	Foam cleaner	Aerosol	19 oz.	1	
	Furniture polish	Aerosol	18 oz.	2	
	Foaming cleanser	Powder	21 oz.	2	
	Deodorant (air)	Aerosol	14 oz.	1	
	Liquid Pine Solvent	Plastic	28 oz.	1	
Bathroom #1	Foaming cleanser	Powder	21 oz.	4	
	Sodium	Light tube		1	2 foot/loose