

# **TOTAL SURVEY REPORT**

---

**ASBESTOS SURVEY  
CHECK LIST**

**BUILDING NO.:** \_\_\_\_\_ **ORG.:** \_\_\_\_\_ **DATE INSP.:** \_\_\_\_\_

**INSPECTOR:** \_\_\_\_\_ **CERT. NO.:** \_\_\_\_\_

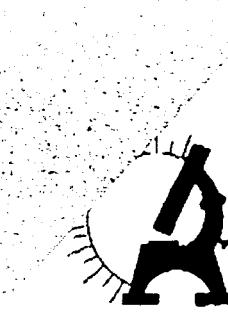
MEMO FOR RECORD

A visual inspection was performed on 14 February 1995 on Building 378, the building is a storage area for hazardous materials by a contractor, Perma-Fix. The building had been inspected in 1990 and 1994 with positive asbestos results for the paint, and the 9 inch by 9 inch vinyl floor tile and floor mastic in the compressor room. The results for the compressor room were up to 50% chrysotile asbestos, but the room had limited access. The paint was from 3 - 7% asbestos. The floor of the main storage area was all cement, the sides were corrugated steel over a steel frame.

*David W. Pepper*

DAVID W. PEPPER, GS-9, USAF  
Asbestos Inspector, 09149407-320501539

*fiberglass insulation on ~~ceiling~~ ceiling and walls.*

*Entered  
book*

Sun  
City  
Analytical  
Inc.

June 08, 1994

DEPT. OF THE AIR FORCE 377th ABW/EM  
2000 Wyoming Blvd. S.E.  
Albuquerque NM 87117-5659

ATTENTION: Mr. Ed Dominguez

RE: Kirtland AFB Bldg 378

LAB NO#	SAMPLE NUMBER	DESCRIPTION	MATRIX	FIBROUS	ASBESTIFORM
B94-0019	944235/5W	Beige/Red/Blue Non-friable	Paint Pigments Quartz	Cellulose trace	None Detected
B94-0020	944236/6W	Beige/Blue Non-friable	Paint Pigments Quartz	Cellulose trace	Chrysotile 5-7%
B94-0021	944237/7W	Yellow/Beige Non-friable	Paint Pigments Quartz	None Detected	None Detected
B94-0022	944238/8W	Beige/Blue Non-friable	Paint Pigments Quartz	Cellulose trace	Chrysotile 3-6%



Tommie Smith  
MICROSCOPIST

Method: Polarized light microscopy with Dispersion staining using Olympus Ch-2 Polarized Light Microscope with Mettler  
Dispersion Staining Objective. Standard error + 1-10% + 25%, 11-99 + 50% percentages based on visual volume procedure.  
EPA-500/M4-82-020 "Interim Method for the Determination of Asbestos in Bulk Insulation Samples".

All Microscopists are graduates of McCrone Research Institute's "Microscopical Identification of Asbestos". Chicago, IL.  
Test report relates only to those items tested. National Voluntary Laboratory Accreditation Program (NVLAP) Lab ID 1570.

**ASBESTOS SURVEY  
CHECK LIST**

BUILDING NO.: 378 ORG: \_\_\_\_\_ DATE INSPI: 6/8/94

INSPECTOR: M.Clarke CERT. NO.: \_\_\_\_\_



Sun  
City  
Analytical  
Inc.

**LABORATORY ANALYSIS REQUEST  
& CHAIN OF CUSTODY**

WORK REQUEST NO.: F29650-940004

**TO:** \_\_\_\_\_

**FROM:**

DEPARTMENT OF THE AIR FORCE  
377th ABW/EM  
2000 Wyoming Blvd S.E.  
Compliance Div.  
Kirtland AFB, NM 87117-5659  
Mr. Ed Dominguez  
Tel: (505) 846-5007

BLdg. 378

Total number of samples: 4 in 1 page(s)

ROUTINE 10 DAYS      URGENT 3 DAYS      RUSH 24 HRS X      EMERGENCY 2 HRS

**FAX/CALL RESULTS TO: ED DOMINGUEZ** **PHONE: (505) 846-0400**

**REQUESTED BY:** \_\_\_\_\_ **TITLE:** \_\_\_\_\_

RECEIVED BY	DATE	ORGANIZATION OR COMPANY	# OF SAMPLES	CONDITION	REMARKS

6028 Surety Drive, Suite 204 - El Paso, Texas 79905 - (915) 772-7850

*Wood 29 Aug 90*

SURVEY REPORT  
BUILDING 378

Actions:

On 7 Aug 90, MSgt Woodbury of the Environmental Management Division conducted an inspection of building 378 for asbestos. 1 sample was taken of floor tile in the compressor room. This sample proved to contain 15 to 30% chrysotile asbestos in the tile and 30 to 50% chrysotile asbestos in the mastic. No other suspected materials were found.

Conclusions:

Based on current safety standards, and the fact that personnel do not normally occupy the compressor room of building 378, there is little to no risk from exposure to asbestos in that building.

Recommendations:

When it becomes necessary to renovate the building, the asbestos should be removed as part of the renovation.

  
P D WOODBURY, MSGT, USAF  
Asbestos Inspector, 224809227032290

1413 SF

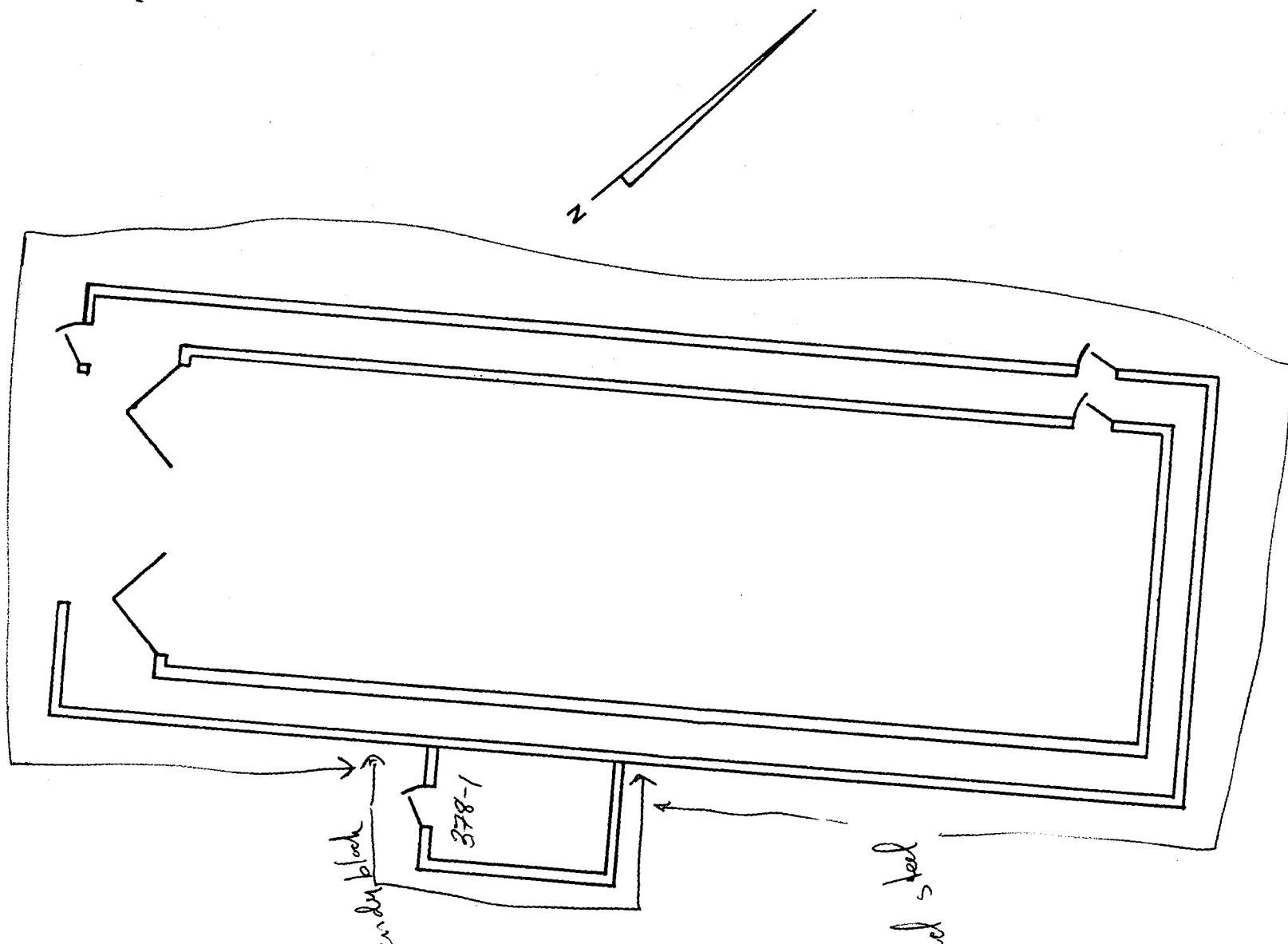
ASBESTOS SURVEY  
CHECKLIST

BUILDING NUMBER 378 DATE PREINSPECTION \_\_\_\_\_  
CONTACT/ORGANIZATION MC EM DATE INSPECTION 2/19/90  
USE OF BUILDING Hazard Store Base DATE FOLLOW UP \_\_\_\_\_  
YR CONST 74 TYPE OF CONST Metal TYPE OF ROOF Pitch  
NUMBER OF FLOORS 1 NUMBER OF MECH ROOMS 1 ACCESS INT/EXT INT  
TYPE OF HEAT EA TYPE OF COOLING VN SPECIAL FUNCTIONS \_\_\_\_\_  
\*CONCEALED AREAS \_\_\_\_\_ LOCATION ON MAP \_\_\_\_\_

TYPE OF CEILING	LOCATION	#SAMPLES	-----
TYPE OF CEILING	LOCATION	#SAMPLES	-----
TYPE OF CEILING	LOCATION	#SAMPLES	-----
TYPE OF CEILING	LOCATION	#SAMPLES	-----
TYPE OF CEILING	LOCATION	#SAMPLES	-----
TYPE OF WALL COVERING	LOCATION	#SAMPLES	-----
TYPE OF WALL COVERING	LOCATION	#SAMPLES	-----
TYPE OF WALL COVERING	LOCATION	#SAMPLES	-----
TYPE OF WALL COVERING	LOCATION	#SAMPLES	-----
TYPE OF WALL COVERING	LOCATION	#SAMPLES	-----
TYPE OF FLOOR <u>9" board</u>	LOCATION <u>Gen Room</u>	#SAMPLES <u>1</u>	<u>T10 15-30</u> <u>Tar 30-50</u>
TYPE OF FLOOR	LOCATION	#SAMPLES	-----
TYPE OF FLOOR	LOCATION	#SAMPLES	-----
TYPE OF FLOOR	LOCATION	#SAMPLES	-----
TYPE OF FLOOR	LOCATION	#SAMPLES	-----
TYPE OF THERMAL	LOCATION	#SAMPLES	-----
TYPE OF THERMAL	LOCATION	#SAMPLES	-----
TYPE OF THERMAL	LOCATION	#SAMPLES	-----
TYPE OF THERMAL	LOCATION	#SAMPLES	-----
TYPE OF THERMAL	LOCATION	#SAMPLES	-----
TYPE OF MISC	LOCATION	#SAMPLES	-----
TYPE OF MISC	LOCATION	#SAMPLES	-----
TYPE OF MISC	LOCATION	#SAMPLES	-----
TYPE OF MISC	LOCATION	#SAMPLES	-----
TYPE OF MISC	LOCATION	#SAMPLES	-----

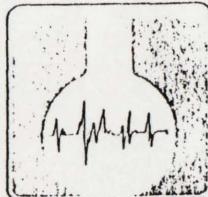
-----  
Signature of Contact

NOTES



BLDG. 378  
1/8" = 1'-0"

(unshaded side)



# ASSAIGAI ANALYTICAL LABORATORIES

To: Kirtland AFB  
ATTN: Sgt. Woodbury  
1606 ABW / EM  
Bldg 20200  
KAFB, NM 87117-5000

DATE: 14 August 1990  
WORK ORDER NO: B11536  
Asbestos Bulk Sample Analysis  
No. of Analyses: 53  
No. of Samples: 45

REFERENCE: EPA Interim Method of the Determination of Asbestos in Bulk Insulation Samples (40 CFR Part 763, Appendix A). Estimates of the percent asbestos fiber content were made by comparing the quantity of non-asbestos material to asbestos fibers.

The results of the analysis are as follows:

Sampling Site: Bldg 243, 378, 377, 255, 20603, 382, 20417, Fam/Camp.

SAMPLE IDENTIFICATION	COLOR	ASBESTOS TYPE	% ASBESTOS	NON-ASBESTOS FIBERS	
902226	Gry	ND		Plant	
902227	Tile	Gry	Chrysotile	1 - 5	Plant
	Tar	Blk	Chrysotile	15 - 30	Plant
902228		Gry	ND		Plant, Glass
902229	Tile	Gry	Chrysotile	1 - 5	Plant
	Tar	Blk	Chrysotile	30 - 50	Plant
902230	Tile	Brn	Chrysotile	5 - 15	Plant
	Tar	Blk	Chrysotile	30 - 50	Plant, Glass
902231		Gry	ND		Plant, Glass
902232		Gry/Brn/Gn	ND		Plant
902233	Tile	Brn	Chrysotile	15 - 30	Plant
	Tar	Blk	ND		Plant
902234		Gry/Brn/Gn	ND		Plant
902235		Brn/Gn	ND		Plant
902236		Brn	ND		Plant, Glass
902237	Jacket	Gry	ND		Plant, Glass
	Insulation	Gry	Chrysotile	15 - 30	Glass
902238		Gry	Chrysotile	5 - 15	Plant, Glass
902239	Tile	Gry	Chrysotile	5 - 15	
	Tar	Blk	Chrysotile	5 - 15	
902240		Brn	Chrysotile	30 - 50	Plant, Glass
902241		Silver/Brn			
	Blk/Gry	ND		Plant, Glass	
902242		Gry	Chrysotile	50 - 75	Plant
902243		Gry/Wh	ND		Plant, Glass
902244	Paint	Wh	ND		
	Texture	Gry	Chrysotile	1 - 5	Plant
	Fiber Mass	Brn	ND		Plant
902245		Brn/Gry	ND		Plant
902246		Brn/Gry	ND		Plant
902247		Brn	ND		Plant
902248		Gry	ND		Plant, Synthetic, Glass
902249		Brn	ND		Plant, Synthetic

ASSAIGAI ANALYTICAL LABORATORIES  
PAGE: 2 of 2  
DATE: 14 August 1990  
WORK ORDER NO: B11536

SAMPLE IDENTIFICATION	COLOR	ASBESTOS TYPE	% ASBESTOS	NON-ASBESTOS FIBERS
902250	Brn	ND		Plant
902251	Brn	ND		Plant
902252	Brn	ND		Plant
902253	Brn	ND		Plant
902254	Brn	ND		Plant, Glass
902255	Brn	ND		Plant, Glass
902256	Brn	ND		Plant, Glass
902257	Brn	ND		Plant
902258	Brn	ND		Plant, Glass
902259	Brn	ND		Plant
902260	Brn	ND		Plant, Synthetic
902261	Brn	ND		Plant
902262	Brn	ND		Plant, Synthetic
902263	Brn	ND		Plant
902264	Brn	ND		Plant
902265	Brn	ND		Plant, Glass
902266	Brn	ND		Plant, Synthetic
902267	Brn	ND		Plant, Synthetic
902268	Brn	ND		Plant
902269	Brn	ND		Plant, Glass
902270	Brn	ND		Plant

ND = NONE DETECTED

*Donald J. Kubish*  
Analyst - Donald J. Kubish

DETECTION LIMIT: 1% of the portion of the sample examined.  
The above results relate only to the above samples as submitted unless otherwise noted herein.

An invoice for services will follow. Thank you for contacting  
Assaigai Analytical Laboratories.

Sincerely,

*Wm. P. Biava*  
William P. Biava  
Asbestos Division Manager

BASE: Kirtland AFB AIR FORCE ASBESTOS GRADE CHECKLIST for SPRAYED-ON TROWELLED-ON, or DAMAGED FRIABLE MATERIAL  
 BLDG/RM-NOS. 378 FACILITY/OFFICE: Perma-Fix (contractor) INSPECTOR (DATE) David Lepre  
14 Feb 95

## \*\*\*\*\* Part I: DAMAGE/RISK \*\*\*\*\*

- Physical Damage, Visible evidence: (5) High; (4) Moderate; (2) Low; (1) Minimal; (0) None
- Water Damage: (3) Yes; (0) No
- Proximity to Items for Repair. If both a. and b. apply, score the one with the highest rating. (Max 3 pts). How far ? :
  - "a". Sprayed or Trowelled-on: (3) <1 ft or ceiling panel contam.; (2) 1≤x<5 ft; (1) >5 ft; (0) >5 ft No rout. maint.
  - "b". Pipe, Boiler, or Duct Insulation, Damage by routine maint. ? : (3) ceiling panel contam.; (1) Yes; (0) No
- Type of Mat'l: 0 (0-4) Other friable mat'l; (1) Boiler and/or pipe; (3) HVAC; (4) Ceilings or walls
- Potential for Contact: "<10 ft" (8) High; (5) Medium; (2) Low; ">10 ft" (5) High; (3) Medium; (0) Low
- Asbestos Content, % with highest prob: (1) 1<x≤30; (3) 30<x≤50; (5) >50%; NO HAZARD all samples no asbestos

Damage (D) Total 12

## \*\*\*\*\* Part II: EXPOSURE \*\*\*\*\*

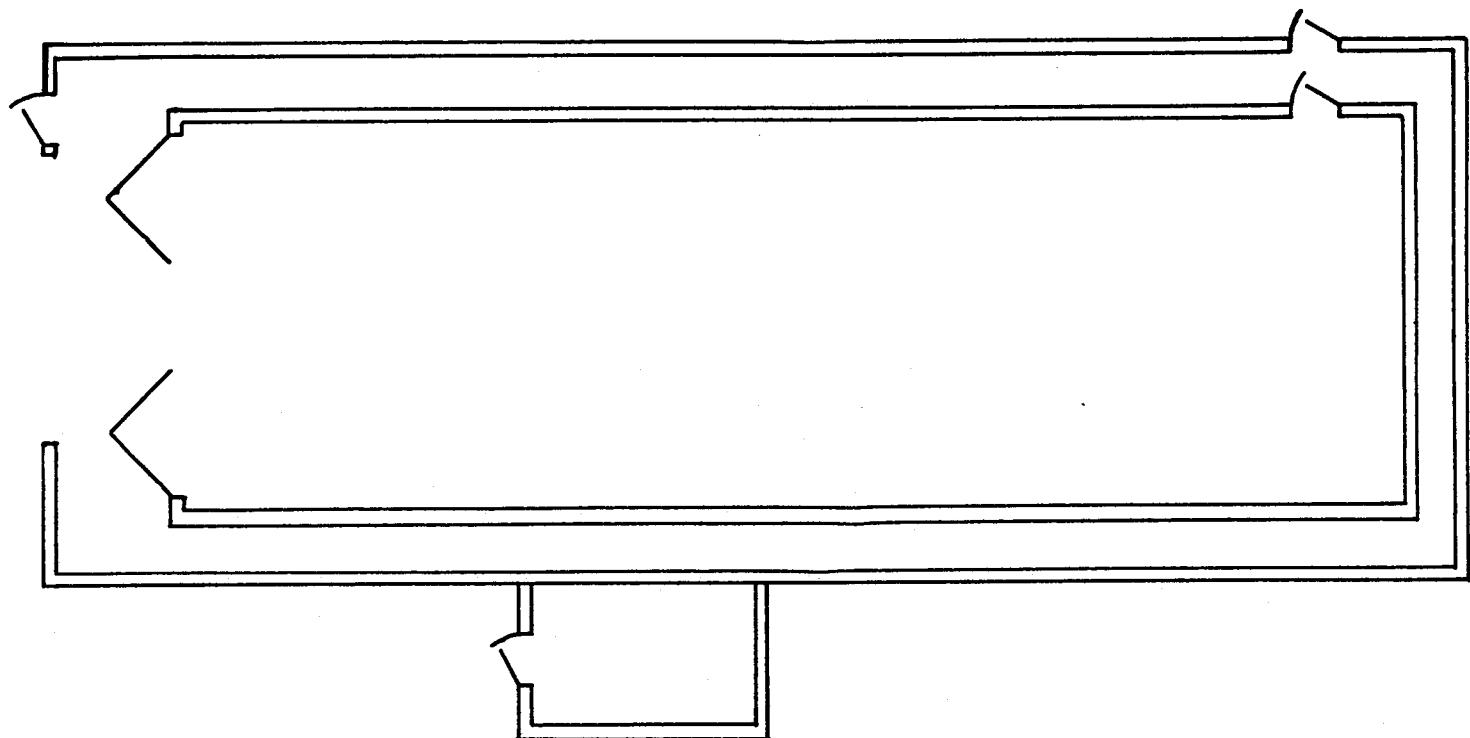
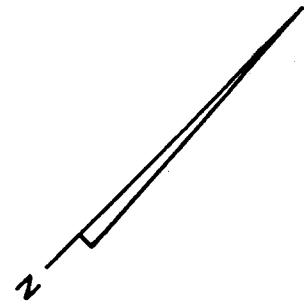
- Friable: (6) High; (3) Moderate; (1) Low
- Area of Visible Mat'l: (0) <10 ft<sup>2</sup>; (1) 10≤ft<sup>2</sup><100; (2) 100≤ft<sup>2</sup><1000; (3) ≥1000 ft<sup>2</sup>
- Walls: (4) Rough; (3) Pitted; (2) Moderate; (1) Smooth N/A
- Ventilation (max 7 pts): (5) Interior supply; (2) Interior return; (1) Air supply-Fiber potential; (0) None
- Air Movement Affecting Mat'l: (5) Routine turbulent or abrupt air mvmt; (2) Exposed to percept air; (0) No percept air
- Activity: (5) High-constant vibes; (2) Medium-occassional vibes; (0) Low-admin office, classroom, waiting room, etc.
- Floor: (4) Carpet; (2) Seamed or rough surface; (1) Smooth continuous surface; (0-4) Unique situations
- Barriers. If both a. and b. apply, score the one with the highest rating. Check all that apply (Max of 4 pts):
  - "a". Sprayed or trowelled-on on ceiling or walls: (1) Suspend ceiling; (2) Encapsulation; (3) Railing or wire; (4) None
  - "b". Pipe, Boiler, Duct, or Other Mat'l: (1) ≤25%; (2) 25<x≤50; (3) 50<x≤75; (4) 75<x≤100
- Population: (1) ≤9 or for corridors; (2) 10≤Pop≤200; (3) 201≤Pop≤500; (4) 501≤Pop≤1000; (5) ≥1001 or med or youth

Exposure (E) Total 16

Rating:  $R = 12.0324 - 0.1683 \cdot D + 0.1693 \cdot E$

Sample Numbers (Air & Bulk): 7304

2.0196      2.7020



BLDG. 378

1/8" = 1'-0"

# **SAMPLE ANALYSES**

## **REPORT**

---

# **W/O SURVEY REQUEST**

## **ASSESSMENT REPORT**

---

# **ABATEMENT PROJECT**

**WORK ORDER#** \_\_\_\_\_

---

# **AF 332'S REQUESTS**

## **COMPLETED FORMS**

---

# **MISCELLANEOUS**

---

## **CORRESPONDENCE**

000378  
DEEVE  
D4