



Phase III

**U.S. Army Corps of Engineers
Philadelphia District**

***Volume III - Building Reports for a
Comprehensive Asbestos Survey
in Various Buildings at
Fort Monmouth, New Jersey***

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Prepared for:

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**BUILDING REPORTS
FOR A COMPREHENSIVE ASBESTOS SURVEY
IN VARIOUS BUILDINGS AT
FORT MONMOUTH, NEW JERSEY**

PHASE III

VOLUME III

CONTRACT NO. DACA61-89-D-0013

Prepared For:

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BUILDING REPORTS

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1

INTRODUCTION



INTRODUCTION

1.1 GENERAL

This document represents Volume 3 of 3 for the Phase III Asbestos Survey conducted at the U.S. Army installation at Fort Monmouth, New Jersey. Work was performed under Contract No. DACA61-91-R-0039 administered by the U.S. Army Corps of Engineers — Philadelphia District.

This volume presents the individual building reports for each of the buildings inspected under the above-listed contract. Where applicable, each building report includes a discussion of the findings and recommendations, a sample location floor plan, sample photographs, and the following tabulated data:

- Table 1 — Bulk Sample Analysis Results
- Table 2 — Quantification of Asbestos-Containing Materials
- Table 3 — Other Asbestos-Containing Materials
- Table 4 — Exposure Assessments (Priority Order)
- Table 5 — Cost Estimate

A complete discussion of terminology, survey and exposure assessment methodologies, cost-estimating approach, and general operations and maintenance recommendations is provided in the accompanying Phase III Report Guide Document. The Phase III Report Guide Document also contains a complete prioritized exposure assessment list covering all buildings inspected under the Phase III Asbestos Survey, as well as other important management summaries.



1.2 LIMITATIONS OF THE SURVEY REPORTS

Asbestos surveys in all buildings were conducted by experienced EPA/AHERA-certified Asbestos Building Inspectors in accordance with EPA guidelines and generally accepted professional practices. These surveys were limited strictly to asbestos-containing materials (ACM). No review of other hazardous materials or potential problems was conducted.

The building reports describe only the conditions of the ACM at the time the surveys were conducted. The condition of ACM may change gradually or suddenly, depending on maintenance, accident, or deterioration of building components.

While it is believed that all ACM has been identified and quantified with acceptable accuracy, unanticipated or hidden conditions could possibly be uncovered during renovation, repair, or demolition activities. Any new suspect materials uncovered during these activities should be handled as ACM until proper sampling and analysis can be conducted.

75

SCALE HOUSE



75

SCALE HOUSE

75.1 GENERAL

Building 75 was surveyed by WESTON technicians on 2 April 1991.

No suspect asbestos-containing material (ACM) was found in the building.

75.2 CONCLUSION

Based on the survey performed in Building 75, WESTON concludes that Building 75 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 75.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 75, SCALE HOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

75-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

76

STOREHOUSE

STOREHOUSE

76.1 GENERAL

Building 76 was surveyed by WESTON technicians on 11 April 1991.

No suspect asbestos-containing material (ACM) was found in the building.

76.2 CONCLUSION

Based on the survey performed in Building 76, WESTON concludes that Building 76 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 76.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 76, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

76-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

156

STOREHOUSE



156

STOREHOUSE

156.1 GENERAL

Building 156 was surveyed by WESTON technicians on 8 April 1991.

No suspect asbestos-containing material (ACM) was found in the building.

156.2 CONCLUSION

Based on the survey performed in Building 156, WESTON concludes that Building 156 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 156.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 156, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

156-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes
 C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes
 STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types
 CH = Chrysotile
 AM = Amosite
 OT = Other

278

STOREHOUSE



278

STOREHOUSE

278.1 GENERAL

Building 278 was surveyed by WESTON technicians on 8 April 1991.

No suspect asbestos-containing material (ACM) was found in the building.

278.2 CONCLUSION

Based on the survey performed in Building 278, WESTON concludes that Building 278 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 278.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 278, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

278-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

305

DETACHED GARAGE

DETACHED GARAGE

305.1 GENERAL

Building 305 was surveyed by WESTON technicians on 9 April 1991.

No suspect asbestos-containing material (ACM) was found in the building.

305.2 CONCLUSION

Based on the survey performed in Building 305, WESTON concludes that Building 305 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 305.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 305, DETACHED GARAGE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

305-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

320

DETACHED GARAGE



320

DETACHED GARAGE

320.1 GENERAL

Building 320 was surveyed by WESTON technicians on 9 April 1991.

No suspect asbestos-containing material (ACM) was found in the building.

320.2 CONCLUSION

Based on the survey performed in Building 320, WESTON concludes that Building 320 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 320.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 320, DETACHED GARAGE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

320-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

405

STOREHOUSE



405

STOREHOUSE

405.1 GENERAL

Building 405 was surveyed by WESTON technicians on 20 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 2 samples of suspect material collected from the building. Of these samples, 1 was found to be asbestos-containing material (ACM). Table 405.1 lists the analytical results for the bulk samples.

405.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 405 are presented in Table 405.1. An area-by-area inventory of ACM is provided in Tables 405.2 and 405.3. "Other Asbestos-Containing Materials," listed in Table 405.3, are materials that do not correspond to the standard caption categories listed in Table 405.2. A prioritized listing of exposure assessments is presented in Table 405.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 405.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 405.2 and 405.5.

405.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 405 is scheduled for demolition.
- Woven material (flue opening) is the only ACM present in Building 405.
- Woven material located on the flue opening of Building 405 shall be removed under the Army Asbestos Deficiency Abatement Project (AADAP) prior to demolition (of Building 405).

TABLE 405.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 405, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK687	FLUE OPENING	OTHER MATERIAL	WHITE,OTH,WOVEN MAT.	65	-	-	NO
FK688	ROOF	OTHER MATERIAL	BLUE,OTH,ROOF SHIN.	-	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
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 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 405.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 405, STOREHOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROVELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
FLUE OPENING	-	-	-	-	-	-	-	-	-	-	-	-	*
TOTALS	-	-	-	-	-	-	-	-	-	-	-	-	*

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

Table 405.3

**Other Asbestos-Containing Material - Building 405, Storehouse
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
Flue Opening	Woven Material	0.120 (MSF)

- EA - Each
- LF - Linear Feet
- MSF - Thousand Square Feet

405-5

TABLE 405.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 405, STOREHOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK687	FLUE OPENING	INSULATION BOARD	B	1.150E02	2	3	1	1	1	5.00	65

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 405.5

COST ESTIMATE* - BUILDING 405, STOREHOUSE

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.20	-	-
9-14"	46.20	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	-	-
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		0.5	0.5
SUBTOTAL		0.5	0.5
Difficulty Allowance		0.3	0.3
SUBTOTAL		0.8	0.8
Decontamination Units		3.0	3.0
Mobilization		2.0	2.0
SUBTOTAL		5.8	5.8
Contingency @ 15.00%		0.9	0.9
SUBTOTAL		6.6	6.6
Design Fee @ 10.00%		0.7	0.7
SUBTOTAL		7.3	7.3
Air Monitoring @ 10.00%***		0.7	0.7
TOTAL		8.0	8.0

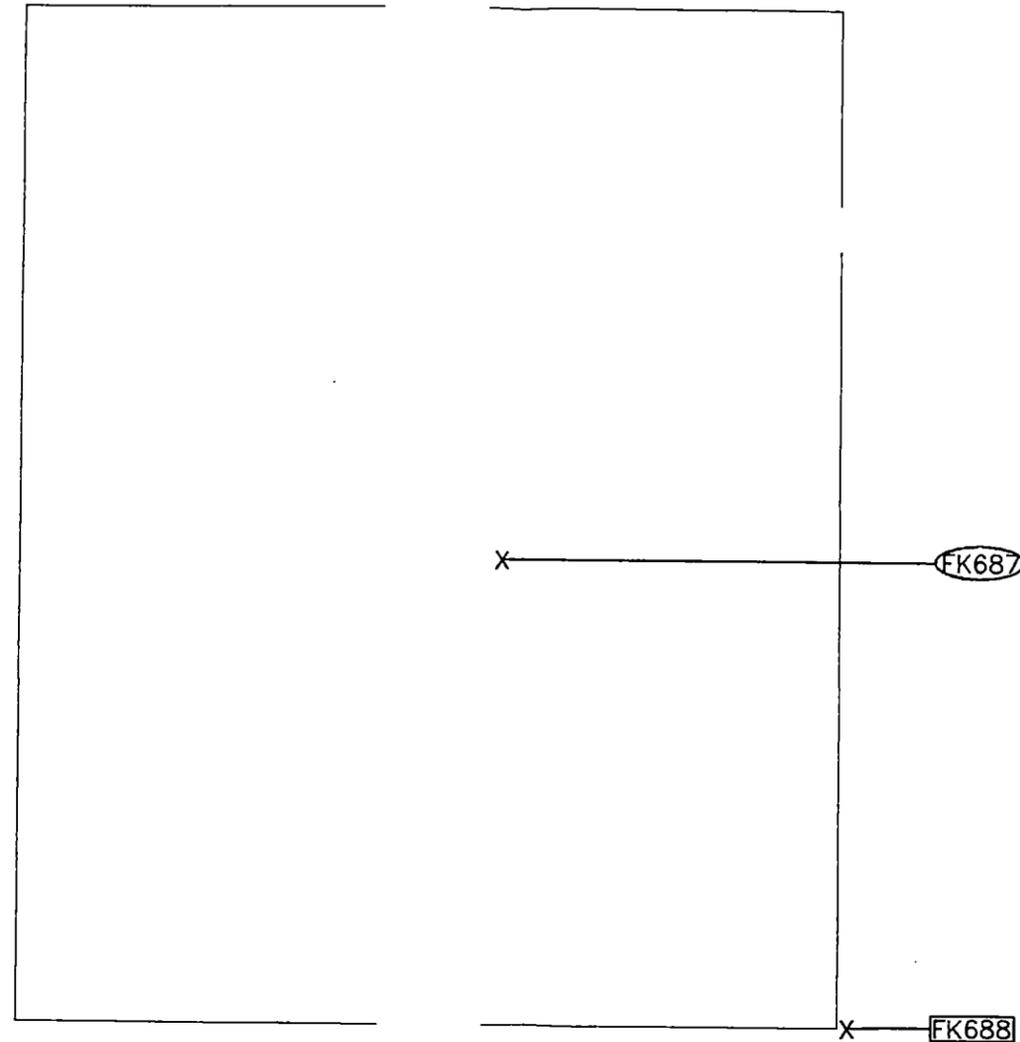
* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: FLUE OPENING

405-7



BLDG. 405
NOT TO SCALE



FILE: 5601

409

STOREHOUSE

STOREHOUSE**409.1 GENERAL**

Building 409 was surveyed by WESTON technicians on 20 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 4 samples of suspect material collected from the building. Of these samples, 3 were found to be asbestos-containing materials (ACM). Table 409.1 lists the analytical results for the bulk samples.

409.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 409 are presented in Table 409.1. An area-by-area inventory of ACM is provided in Tables 409.2 and 409.3. "Other Asbestos-Containing Materials," listed in Table 409.3, are materials that do not correspond to the standard caption categories listed in Table 409.2. A prioritized listing of exposure assessments is presented in Table 409.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 409.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document. Since Building 409 is scheduled for demolition, the estimated cost provided in Table 409.5 for floor tile is for additional information purposes only. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 409.2 and 409.5.



409.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 409 is scheduled for demolition.
- Insulation panel/board and floor tile are the ACMs present in Building 409.
- Insulation panel/board and floor tile shall be removed under the Army Asbestos Deficiency Abatement Project (AADAP) prior to demolition of Building 409.

TABLE 409.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 409, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK662	OPEN OFFICE	FLOOR TILE	BROWN,OTH,9X9 FL TL	5	-	-	YES
FK663	OPEN OFFICE	OTHER MATERIAL	GRAY,OTH,INSUL.PANL	45	-	-	NO
FK664	OFFICE 1	FLOOR TILE	GRAY,OTH,12X12 FLTL	1	-	-	NO
FK665	ROOF	OTHER MATERIAL	BLACK,OTH,SHINGLE	-	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

409-3

TABLE 409.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 409, STOREHOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
OFFICE 1	-	-	-	-	-	-	-	-	-	0.32	-	-	-
OFFICE 2	-	-	-	-	-	-	-	-	-	0.10	-	-	-
OFFICE 3	-	-	-	-	-	-	-	-	-	0.15	-	-	-
OFFICE 4	-	-	-	-	-	-	-	-	-	0.12	-	-	-
OPEN OFFICE	-	-	-	-	-	-	-	-	-	1.55	-	-	*
TOTALS	-	-	-	-	-	-	-	-	-	2.24	-	-	*

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

409-4

Table 409.3

**Other Asbestos-Containing Material - Building 409, Storehouse
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
Open Office	Insulation Panel/Board	0.060 (MSF)

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

409-5

TABLE 409.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 409, STOREHOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK663	OPEN OFFICE	INSULATION BOARD	C	1.900E04	2	2	1	2	10	40.00	45

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 409.5

COST ESTIMATE* - BUILDING 409, STOREHOUSE

409-7

DESCRIPTION	UNIT COST (\$)	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	TOTAL
Pipe Fittings (EA)							
<4"	70.30	-	-	-	-	-	-
4-8"	82.80	-	-	-	-	-	-
9-14"	147.00	-	-	-	-	-	-
>14"	216.00	-	-	-	-	-	-
Pipe Runs (LF)							
<4"	26.50	-	-	-	-	-	-
4-8"	30.50	-	-	-	-	-	-
9-14"	42.50	-	-	-	-	-	-
>14"	60.80	-	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-	-
Floor Tile (SF)	5.60	1.8	0.6	0.8	0.7	8.7	12.5
Boilers/Tanks (SF)	37.90	-	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-	-
Other		-	-	-	-	0.3	0.3
SUBTOTAL		1.8	0.6	0.8	0.7	8.9	12.8
Difficulty Allowance		-	-	-	-	-	-
SUBTOTAL		1.8	0.6	0.8	0.7	8.9	12.8
Decontamination Units Mobilization		0.6	0.6	0.6	0.6	0.6	3.0
		0.4	0.4	0.4	0.4	0.4	2.0
SUBTOTAL		2.8	1.6	1.8	1.7	9.9	17.8
Contingency @ 15.00%		0.4	0.2	0.3	0.3	1.5	2.7
SUBTOTAL		3.2	1.8	2.1	1.9	11.4	20.5
Design Fee @ 10.00%		0.3	0.2	0.2	0.2	1.1	2.0
SUBTOTAL		3.5	2.0	2.3	2.1	12.6	22.5
Air Monitoring @ 10.00%***		0.5	0.5	0.5	0.5	0.5	2.3
TOTAL		4.0	2.4	2.8	2.6	13.0	24.8

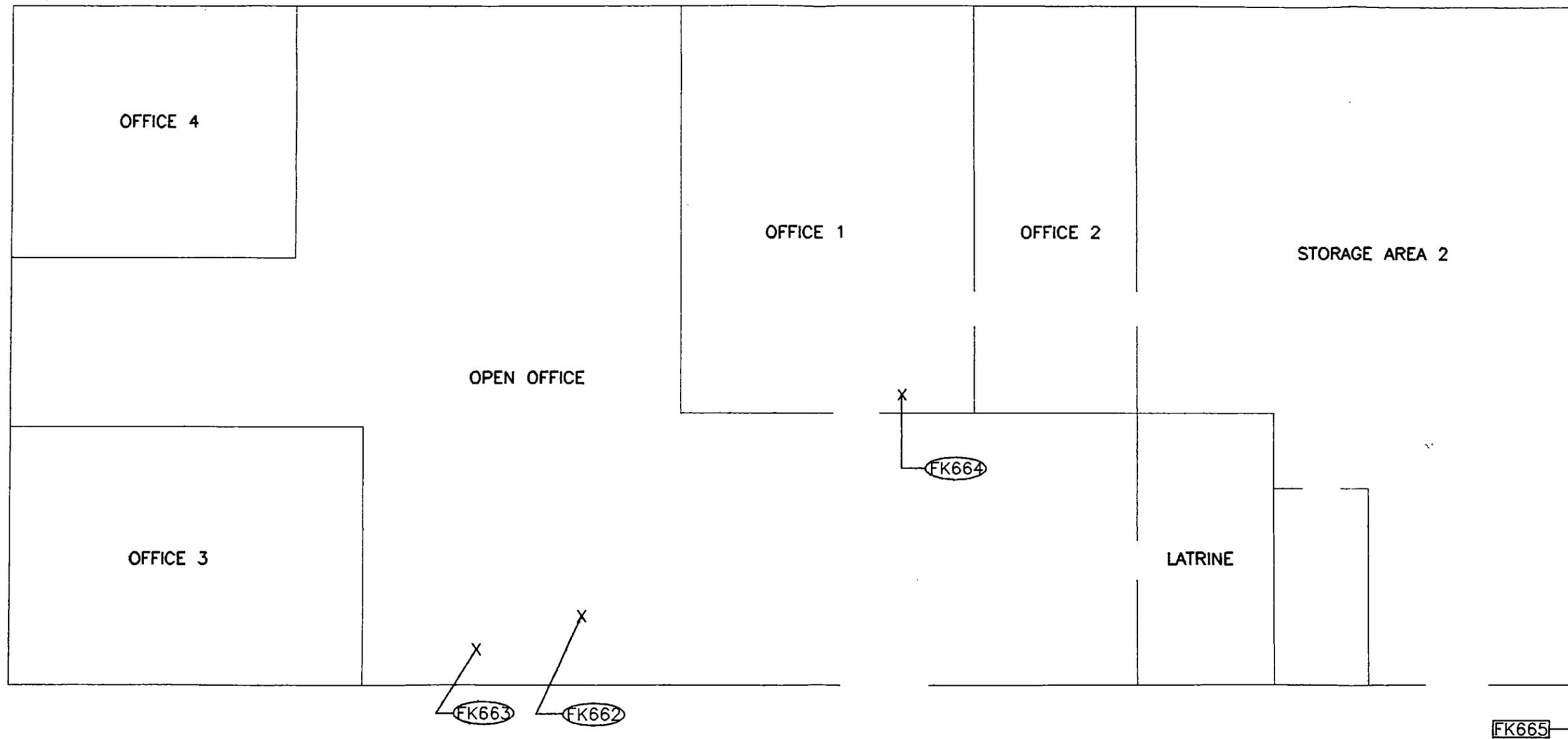
* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: OFFICE 1
 AREA 3: OFFICE 3
 AREA 5: OPEN OFFICE

AREA 2: OFFICE 2
 AREA 4: OFFICE 4



BLDG. 409
 NOT TO SCALE



415

STOREHOUSE

STOREHOUSE**415.1 GENERAL**

Building 415 was surveyed by WESTON technicians on 20 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 5 samples of suspect material collected from the building. Of these samples, 4 were found to be asbestos-containing materials (ACM). Table 415.1 lists the analytical results for the bulk samples.

415.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 415 are presented in Table 415.1. An area-by-area inventory of ACM is provided in Tables 415.2 and 415.3. "Other Asbestos-Containing Materials," listed in Table 415.3, are materials that do not correspond to the standard caption categories listed in Table 415.2. A prioritized listing of exposure assessments is presented in Table 415.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 415.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document. Since Building 415 is scheduled for demolition, the estimated cost provided in Table 415.5 for floor tile is for additional information purposes only. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 415.2 and 415.5.

415.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 415 is scheduled for demolition.
- Wallboard, furnace gasket, transite panel, and floor tile are the ACMs present in Building 415.
- Wallboard, furnace gasket, floor tile, and transite panel shall be removed under the Army Asbestos Deficiency Abatement Project (AADAP) prior to demolition of Building 415.

TABLE 415.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 415, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK673	STORAGE	FLOOR TILE	GREEN,OTH,9X9 FL TL	5	-	-	NO
FK674	STORAGE	DUPLICATE SAMPLE	GREEN,OTH,9X9 FL TL	5	-	-	NO
FK675	STORAGE	OTHER MATERIAL	WHITE,OTH,WALL BOARD	12	-	-	YES
FK676	MECH. ROOM	OTHER MATERIAL	GRAY,OTH,GASKET	50	-	-	NO
FK677	MECH. ROOM	BOILERS/TANKS	WHITE,OTH,BOIL.BRICK	-	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 415.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 415, STOREHOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROVELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
MECH. ROOM	-	-	-	-	-	-	-	-	-	-	-	-	*
STORAGE	-	-	-	-	-	-	-	-	-	1.15	-	-	*
TOTALS	-	-	-	-	-	-	-	-	-	1.15	-	-	*

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

Table 415.3

Other Asbestos-Containing Material - Building 415, Storehouse
Type Occupancy: Adults (Public)

Area	Material Type	Quantity (Unit)
Mech. Room	Gasket	2.0 LF
Mech. Room	Transite Panel	0.030 (MSF)
Storage	Wall Board	2.2 (MSF)

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

415-5

TABLE 415.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 415, STOREHOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK675	STORAGE	WALL BOARD	C	6.900E03	2	2	1	2	10	40.00	12
FK676	MECH. ROOM	GASKET	A	2.300E01	2	2	2	1	1	1.00	50
FK671	MECH. ROOM	TRANSITE PANEL BOARD	A	8.250E00	2	2	2	1	1	1.00	30
FK677	MECH. ROOM	BOILERS/TANKS	A	0	2	2	2	1	1	1.00	0

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 415.5

COST ESTIMATE* - BUILDING 415, STOREHOUSE

DESCRIPTION	UNIT COST (\$)	AREA 1	AREA 2	TOTAL
Pipe Fittings (EA)				
<4"	70.30	-	-	-
4-8"	85.80	-	-	-
9-14"	147.00	-	-	-
>14"	216.00	-	-	-
Pipe Runs (LF)				
<4"	26.50	-	-	-
4-8"	30.50	-	-	-
9-14"	42.50	-	-	-
>14"	60.80	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-
Floor Tile (SF)	5.60	-	6.4	6.4
Boilers/Tanks (SF)	37.90	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-
Other		0.5	17.5	18.0
SUBTOTAL		0.5	23.9	24.5
Difficulty Allowance		0.3	-	0.3
SUBTOTAL		0.9	23.9	24.8
Decontamination Units		1.5	1.5	3.0
Mobilization		1.0	1.0	2.0
SUBTOTAL		3.4	26.4	29.8
Contingency @ 15.00%		0.5	4.0	4.5
SUBTOTAL		3.9	30.4	34.3
Design Fee @ 10.00%		0.4	3.0	3.4
SUBTOTAL		4.3	33.4	37.7
Air Monitoring @ 10.00%***		1.9	1.9	3.8
TOTAL		6.1	35.3	41.5

415-7

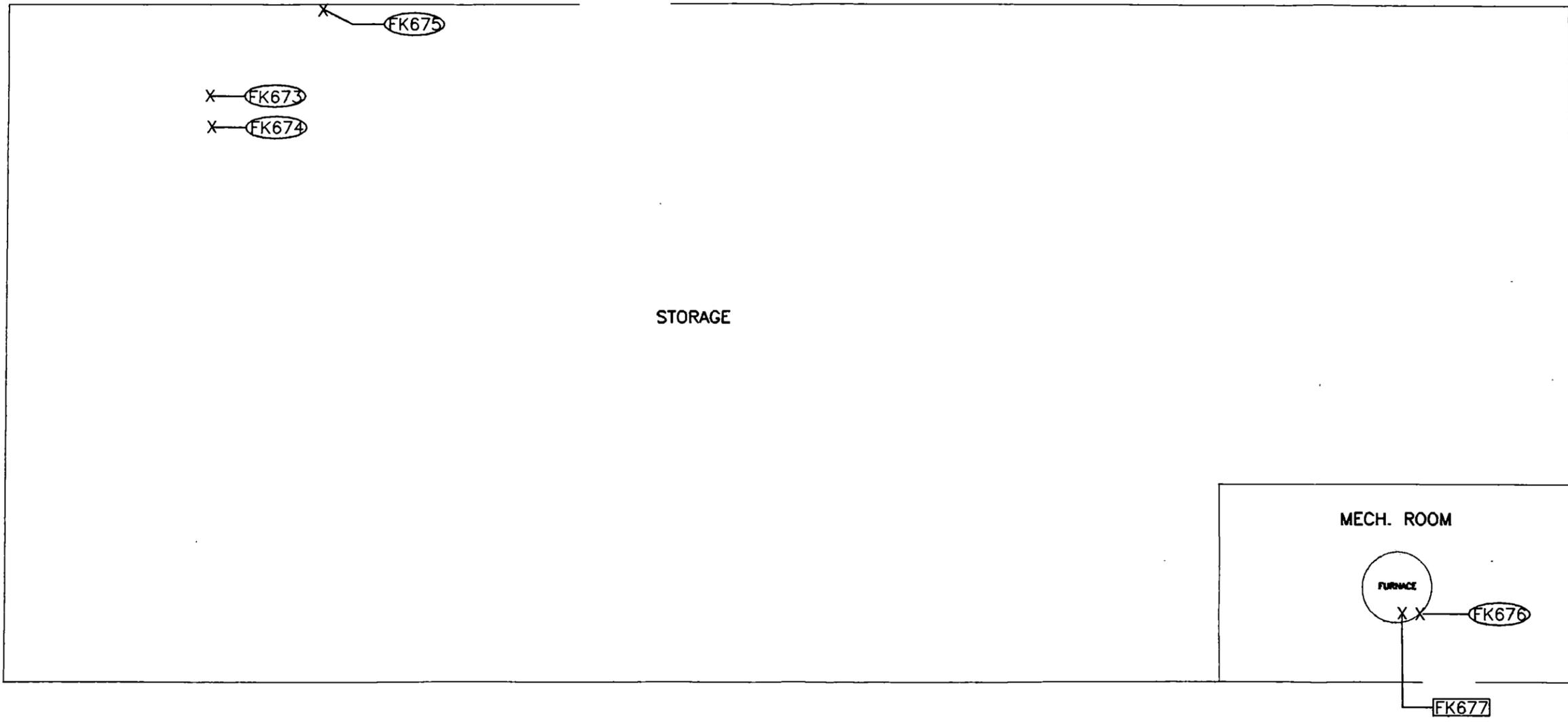
* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: MECH. ROOM

AREA 2: STORAGE



BLDG. 415
NOT TO SCALE



FILE: 5601

416

STOREHOUSE

STOREHOUSE**416.1 GENERAL**

Building 416 was surveyed by WESTON technicians on 20 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 2 samples of suspect material collected from the building. Of these samples, 1 was found to be asbestos-containing material (ACM). Table 416.1 lists the analytical results for the bulk samples.

416.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 416 are presented in Table 416.1. An area-by-area inventory of ACM is provided in Tables 416.2 and 416.3. "Other Asbestos-Containing Materials," listed in Table 416.3, are materials that do not correspond to the standard caption categories listed in Table 416.2. A prioritized listing of exposure assessments is presented in Table 416.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 416.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 416.2 and 416.5.

416.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 416 is scheduled for demolition.
- Flooring strip (linoleum) is the only ACM present in Building 416.
- Flooring strip (linoleum) should be removed from building prior to demolition to comply with State of New Jersey waste disposal regulations.

TABLE 416.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 416, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK689	STORAGE AREA	OTHER MATERIAL	WHITE,OTH,WALL BOARD	-	-	-	YES
FK690	STORAGE AREA	OTHER MATERIAL	BROWN,OTH,FLR. STRIP	<1	-	-	YES

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 416.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 416, STOREHOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROVELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
STORAGE AREA	-	-	-	-	-	-	-	-	-	-	-	-	*
TOTALS	-	-	-	-	-	-	-	-	-	-	-	-	*

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

Table 416.3

**Other Asbestos-Containing Material - Building 416, Storehouse
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
Storage Area	Flooring Strip	1.15 (MSF)

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

416-5

TABLE 416.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 416, STOREHOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK689	STORAGE AREA	PLASTER CEILINGS & WALLS	A	0	2	3	1	1	1	5.00	0

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

416-6

TABLE 416.5

COST ESTIMATE* - BUILDING 416, STOREHOUSE

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.20	-	-
9-14"	42.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	-	-
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		2.0	2.0
SUBTOTAL		2.0	2.0
Difficulty Allowance		1.0	1.0
SUBTOTAL		3.0	3.0
Decontamination Units		3.0	3.0
Mobilization		2.0	2.0
SUBTOTAL		8.0	8.0
Contingency @ 15.00%		1.2	1.2
SUBTOTAL		9.2	9.2
Design Fee @ 10.00%		0.9	0.9
SUBTOTAL		10.1	10.1
Air Monitoring @ 10.00%***		1.0	1.0
TOTAL		11.2	11.2

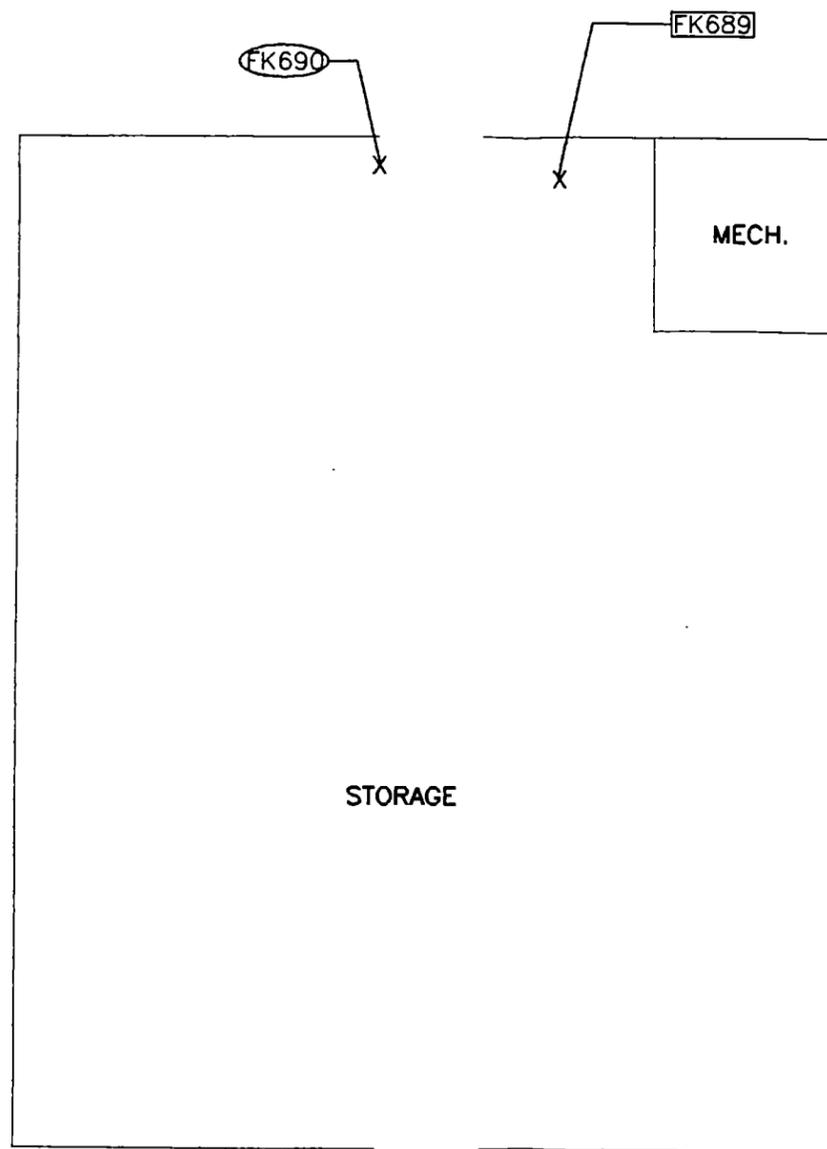
416-7

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: STORAGE AREA



BLDG. 416
NOT TO SCALE



433

STOREHOUSE

STOREHOUSE**433.1 GENERAL**

Building 433 was surveyed by WESTON technicians on 20 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 2 samples of suspect material collected from the building. Of these samples, 1 was found to be asbestos-containing material (ACM). Table 433.1 lists the analytical results for the bulk samples.

433.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 433 are presented in Table 433.1. An area-by-area inventory of ACM is provided in Tables 433.2 and 433.3. "Other Asbestos-Containing Materials," listed in Table 433.3, are materials that do not correspond to the standard caption categories listed in Table 433.2. A prioritized listing of exposure assessments is presented in Table 433.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 433.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 433.2 and 433.5.

433.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 433 is scheduled for demolition.
- Transite panel is the only ACM present in Building 433.
- Transite panel shall be removed under the Army Asbestos Deficiency Abatement Project (AADAP) prior to demolition of Building 433.

TABLE 433.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 433, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK671	WALL	TRANSITE PANEL BOARD	GRAY,OTH,TRANSITE	30	-	-	NO
FK672	ROOF	OTHER MATERIAL	BLACK,OTH,SHINGLE	-	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 433.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 433, STOREHOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROVELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
WALL	-	-	-	-	-	-	-	-	-	-	-	-	*
TOTALS	-	-	-	-	-	-	-	-	-	-	-	-	*

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

Table 433.3

Other Asbestos-Containing Material - Building 433, Storehouse
Type Occupancy: Adults (Public)

Area	Material Type	Quantity (Unit)
Wall	Transite Panel	0.15 (MSF)

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

433-5

TABLE 433.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 433, STOREHOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK671	WALL	TRANSITE PANEL BOARD	A	8.250E00	2	2	2	1	1	1.00	30

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 433.5

COST ESTIMATE* - BUILDING 433, STOREHOUSE

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	46.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	-	-
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		1.7	1.7
SUBTOTAL		1.7	1.7
Difficulty Allowance		-	-
SUBTOTAL		1.7	1.7
Decontamination Units		3.0	3.0
Mobilization		2.0	2.0
SUBTOTAL		6.7	6.7
Contingency @ 15.00%		1.0	1.0
SUBTOTAL		7.6	7.6
Design Fee @ 10.00%		0.8	0.8
SUBTOTAL		8.4	8.4
Air Monitoring @ 10.00%***		0.8	0.8
TOTAL		9.3	9.3

*Amounts Are In Thousands Of Dollars

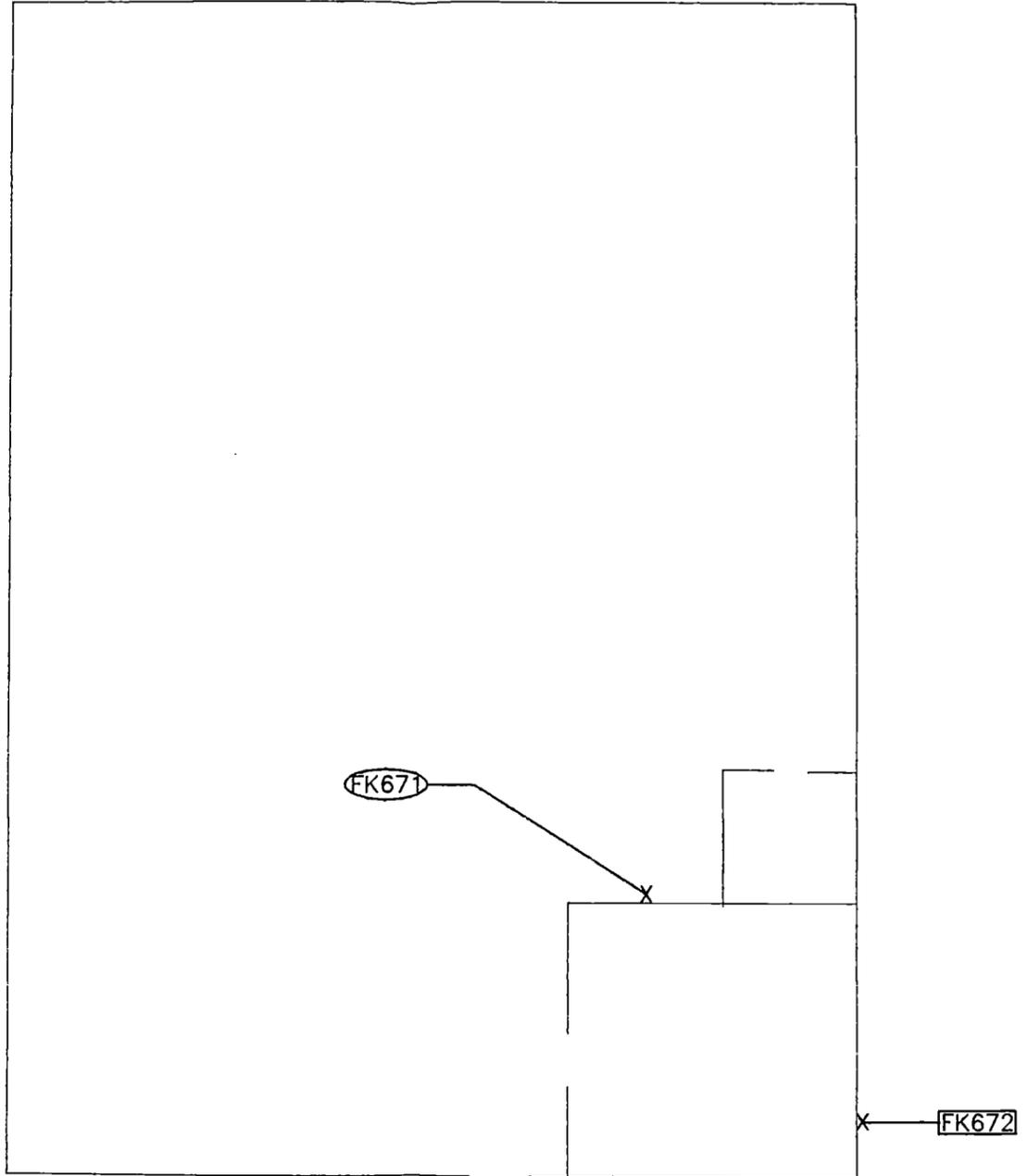
**Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

***The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: WALL

433-7

FILE: 5601



BLDG. 433
NOT TO SCALE



POSITIVE SAMPLE
 NEGATIVE SAMPLE



447

ADMINISTRATION GENERAL PURPOSE

ADMINISTRATION GENERAL PURPOSE**447.1 GENERAL**

Building 447 was surveyed by WESTON technicians on 20 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 4 samples of suspect material collected from the building. Of these samples, 2 were found to be asbestos-containing material (ACM). Table 447.1 lists the analytical results for the bulk samples.

447.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 447 are presented in Table 447.1. An area-by-area inventory of ACM is provided in Tables 447.2 and 447.3. "Other Asbestos-Containing Materials," listed in Table 447.3, are materials that do not correspond to the standard caption categories listed in Table 447.2. A prioritized listing of exposure assessments is presented in Table 447.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 447.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 447.2 and 447.5.

447.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 447 is scheduled for demolition.
- Floor tile is the only ACM present in Building 447.
- Floor tile should be removed from building prior to demolition to comply with State of New Jersey waste disposal regulations.

TABLE 447.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 447, ADMIN. GEN. PURPOSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK666	OFFICE 1ST FLOOR	FLOOR TILE	GREEN,OTH,9X9 FL TL	3	-	-	NO
FK667	OFFICE 2ND FLOOR	FLOOR TILE	GREEN,OTH,9X9 FL TL	5	-	-	NO
FK668	OFFICE 2ND FLOOR	OTHER MATERIAL	WHITE,OTH,WALL BOARD	-	-	-	YES
FK669	ROOF	OTHER MATERIAL	BLACK,OTH,SHINGLE	-	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 447.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 447, ADMIN. GEN. PURPOSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
OFFICE 1ST FLOOR	-	-	-	-	-	-	-	-	-	2.00	-	-	-
OFFICE 2ND FLOOR	-	-	-	-	-	-	-	-	-	2.32	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	4.32	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

Table 447.3

**Other Asbestos-Containing Material - Building 447, Administration General Purpose
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building		

- EA - Each
- LF - Linear Feet
- MSF - Thousand Square Feet

447-5

TABLE 447.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 447, ADMIN. GEN. PURPOSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK668	OFFICE 2ND FLOOR	PLASTER CEILINGS & WALLS	A	0	2	2	2	1	1	1.00	0

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 447.5

COST ESTIMATE* - BUILDING 447, ADMIN. GEN. PURPOSE

DESCRIPTION	UNIT COST (\$)	AREA 1	AREA 2	TOTAL
Pipe Fittings (EA)				
<4"	70.30	-	-	-
4-8"	85.80	-	-	-
9-14"	147.00	-	-	-
>14"	216.00	-	-	-
Pipe Runs (LF)				
<4"	26.50	-	-	-
4-8"	30.50	-	-	-
9-14"	42.50	-	-	-
>14"	60.80	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-
Floor Tile (SF)	5.60	11.2	13.0	24.2
Boilers/Tanks (SF)	37.90	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-
Other		-	-	-
SUBTOTAL		11.2	13.0	24.2
Difficulty Allowance		-	-	-
SUBTOTAL		11.2	13.0	24.2
Decontamination Units Mobilization		1.5	1.5	3.0
		1.0	1.0	2.0
SUBTOTAL		13.7	15.5	29.2
Contingency @ 15.00%		2.1	2.3	4.4
SUBTOTAL		15.8	17.8	33.6
Design Fee @ 10.00%		1.6	1.8	3.4
SUBTOTAL		17.3	19.6	36.9
Air Monitoring @ 10.00%***		1.8	1.8	3.7
TOTAL		19.2	21.4	40.6

447-7

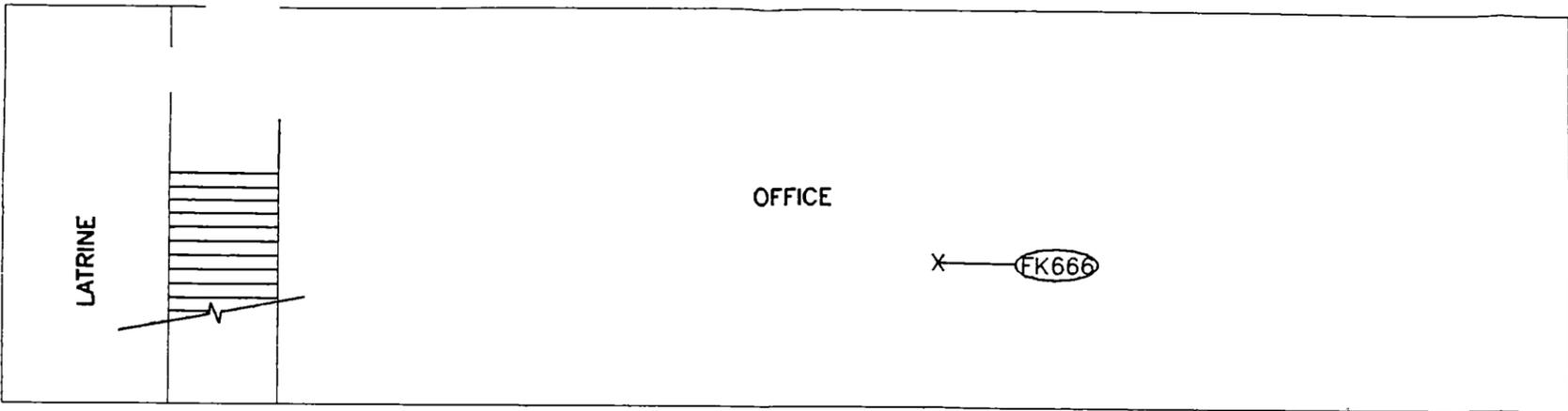
* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

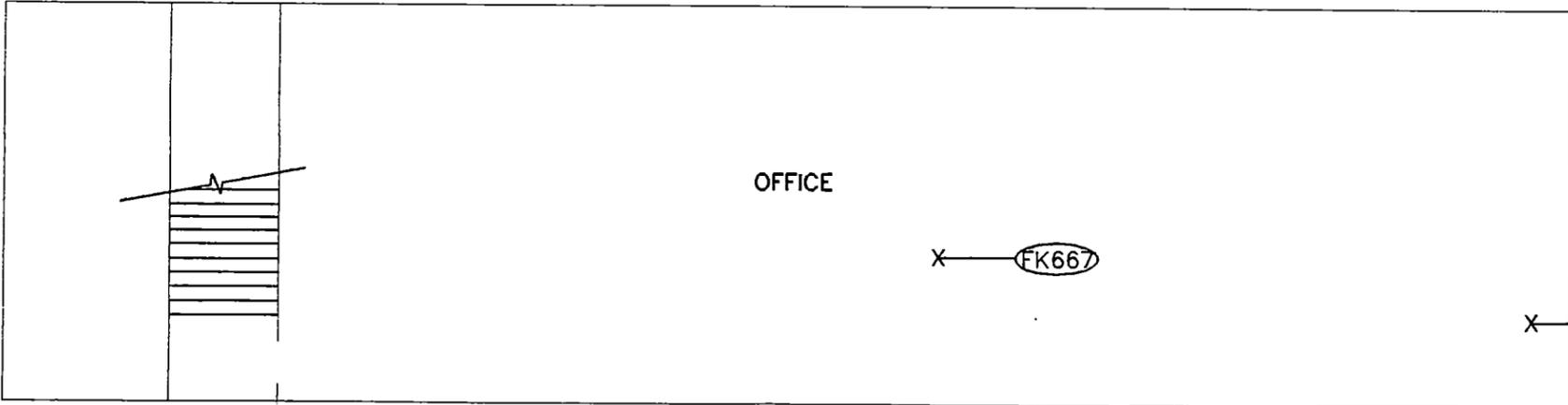
*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: OFFICE 1ST FLOOR

AREA 2: OFFICE 2ND FLOOR



1st FLOOR



2nd FLOOR

BLDG. 447
NOT TO SCALE



 POSITIVE SAMPLE
 NEGATIVE SAMPLE



975

WAREHOUSE

WAREHOUSE**975.1 GENERAL**

Building 975 was surveyed by WESTON technicians on 2 October 1991.

The first three portions of this facility report summarize the results of this inspection. A photograph of a floor tile sample location is provided in Section 975.4.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 7 samples of suspect material collected from the building. Of these samples, 2 were found to be asbestos-containing materials (ACM). Table 975.1 lists the analytical results for the bulk samples.

975.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 975 are presented in Table 975.1. An area-by-area inventory of ACM is provided in Tables 975.2 and 975.3. "Other Asbestos-Containing Materials," listed in Table 975.3, are materials that do not correspond to the standard caption categories listed in Table 975.2. A prioritized listing of exposure assessments is presented in Table 975.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 975.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 975.2 and 975.5.

975.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Asbestos-containing floor tile should be labeled under the O&M Program.

TABLE 975.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 975, WAREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK567	OFFICE A	FLOOR TILE	TAN,OTH,9X9 FL TL	7	-	-	NO
FK568	OFFICE A	DUPLICATE SAMPLE	TAN,OTH,9X9 FL TL	7	-	-	NO
FK569	STORAGE AREA 1	OTHER MATERIAL	TAN,OTH,INS.PANEL	-	-	-	YES
FK570	STORAGE AREA 1	DUPLICATE SAMPLE	TAN,OTH,INS.PANEL	-	-	-	YES
FK571	STORAGE AREA 2	OTHER MATERIAL	TAN,OTH,INS.PANEL	-	-	-	YES
FK572	LADIES ROOM	CEILING BOARD	GRAY,OTH,CEIL. MAT.	-	-	-	NO
FK573	OFFICE B	CEILING BOARD	GRAY,OTH,CEIL. MAT.	-	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 975.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 975, WAREHOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
OFFICE A	-	-	-	-	-	-	-	-	-	0.18	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	0.18	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

975-4

Table 975.3

Other Asbestos-Containing Material - Building 975, Warehouse
Type Occupancy: Adults (Public)

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building		

- EA - Each
- LF - Linear Feet
- MSF - Thousand Square Feet

975-5



TABLE 975.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 975, WAREHOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK572	LADIES ROOM	CEILING BOARD	A	0	3	1	1	1	2	8.00	0
FK573	OFFICE B	CEILING BOARD	A	0	3	1	1	1	2	8.00	0

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 975.5

COST ESTIMATE* - BUILDING 975, WAREHOUSE

DESCRIPTION	UNIT COST (\$)	AREA ↑	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	72.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	1.0	1.0
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		-	-
SUBTOTAL		1.0	1.0
Difficulty Allowance		0.5	0.5
SUBTOTAL		1.5	1.5
Decontamination Units Mobilization		2.0	2.0
SUBTOTAL		3.5	3.5
Contingency @ 15.00%		0.5	0.5
SUBTOTAL		4.0	4.0
Design Fee @ 10.00%		0.4	0.4
SUBTOTAL		4.4	4.4
Air Monitoring @ 10.00%***		0.5	0.5
TOTAL		4.9	4.9

*Amounts Are In Thousands Of Dollars

**Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

***The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: OFFICE A

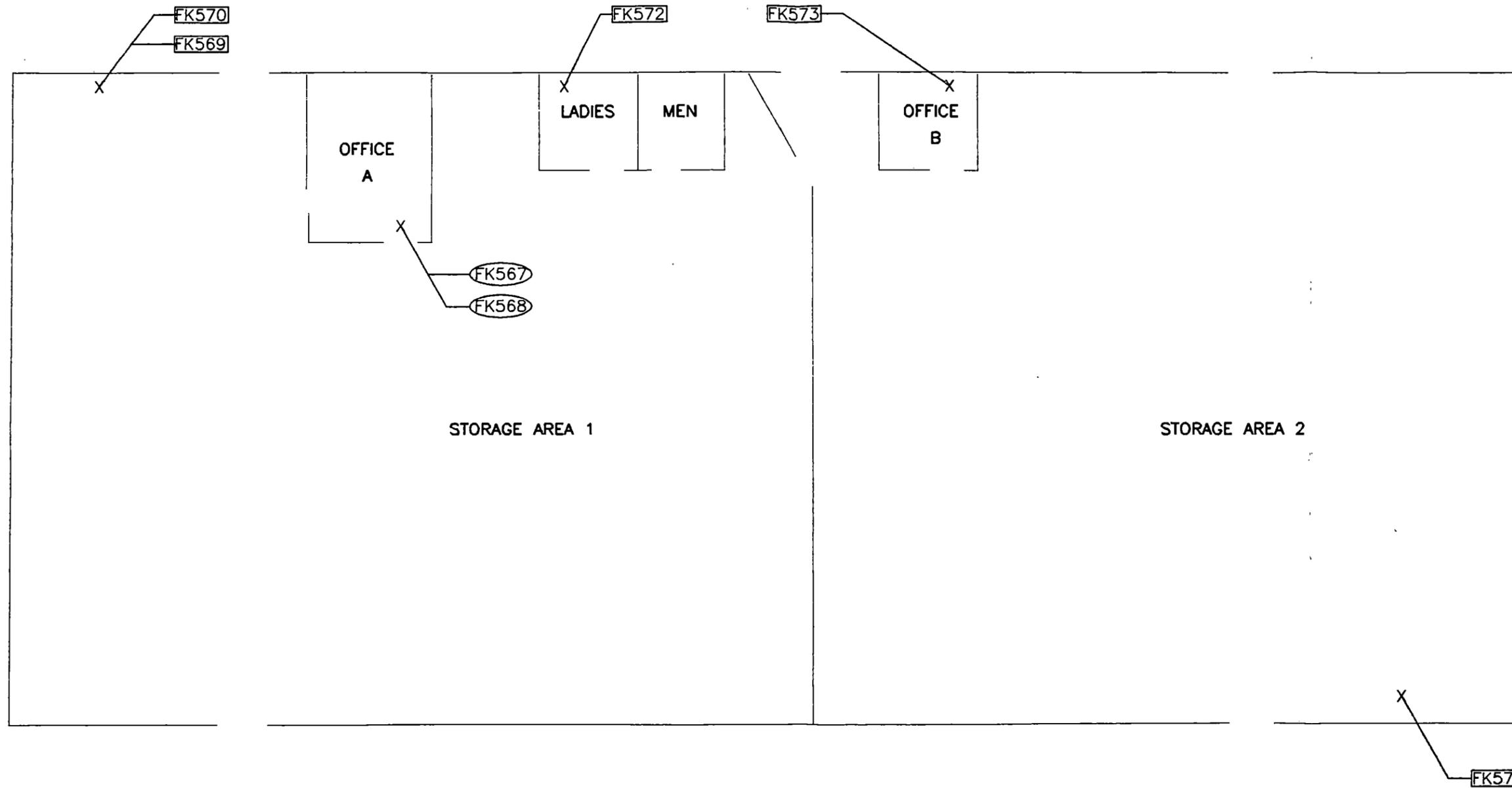
975-7

975.4

PHOTOGRAPH



Bldg. 975 - Office A: 9" x 9" floor tile sample FK567 tested positive.



BLDG. 975
NOT TO SCALE



POSITIVE SAMPLE
 NEGATIVE SAMPLE

WESTON
MANAGERS DESIGNERS/CONSULTANTS

FILE: 300107

1001

EXCHANGE ADMIN./ELECTRONIC STORE

EXCHANGE ADMIN./ELECTRONIC STORE

1001.1 GENERAL

Building 1001 was surveyed by WESTON technicians on 14 October 1991.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 8 samples of suspect material collected from the building. Of these samples, 2 were found to be asbestos-containing materials (ACM). Table 1001.1 lists the analytical results for the bulk samples.

205.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 1001 are presented in Table 1001.1. An area-by-area inventory of ACM is provided in Tables 1001.2 and 1001.3. "Other Asbestos-Containing Materials," listed in Table 1001.3, are materials that do not correspond to the standard caption categories listed in Table 1001.2. A prioritized listing of exposure assessments is presented in Table 1001.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 1001.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 1001.2 and 1001.5.

1001.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Asbestos-containing floor tile should be labeled under the O&M Program.

TABLE 1001.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 1001, EXCH. ADMIN./ELCTRN.

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK594	BREAK ROOM	4-8" PIPE FITTING	WHITE,UNK,4-8IN. FIT	-	-	-	YES
FK595	RECORD STORE	CEILING TILE	WHITE,OTH,CEIL. TILE	-	-	-	YES
FK596	MECH./EQUIP. RM.	<4" PIPE FITTING	WHITE,UNK,<4IN. FIT.	-	-	-	YES
FK597	MECH./EQUIP. RM.	4-8" PIPE FITTING	WHITE,UNK,4-8IN. FIT	-	-	-	YES
FK598	VEST.	FLOOR TILE	TAN,OTH,12X12 FLTL	-	-	-	NO
FK612	FORMS AND SUPPLIES	FLOOR TILE	GRAY,OTH,9X9 FL TL	2	-	-	YES
FK613	FORMS AND SUPPLIES	CEILING TILE	TAN,OTH,CEIL. TILE	-	-	-	YES
FK614	LOBBY	FLOOR TILE	OTHER,OTH,9X9 FL TL	5	-	-	YES

^a Asbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 1001.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 1001, EXCH. ADMIN./ELCTRN.

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
FORMS AND SUPPLIES	-	-	-	-	-	-	-	-	-	0.19	-	-	-
LOBBY	-	-	-	-	-	-	-	-	-	0.18	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	0.37	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

Table 1001.3

**Other Asbestos-Containing Material - Building 1001, Exch. Admin./Electrn.
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building		

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

1001-5



TABLE 1001.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 1001, EXCH. ADMIN./ELCTRN.

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK594	BREAK ROOM	4-8" PIPE FITTING	A	0	3	1	1	1	4	5.00	0
FK594	N.WEST WALL (EXT.)	4-8" PIPE FITTING	A	0	3	1	1	1	4	5.00	0
FK595	RECORD STORE	CEILING TILE	A	0	3	1	1	1	8	40.00	0
FK596	MECH./EQUIP. RM.	<4" PIPE FITTING	A	0	3	1	2	1	1	5.00	0
FK596	STORE ROOM I	<4" PIPE FITTING	A	0	3	1	1	1	4	5.00	0
FK597	MECH./EQUIP. RM.	4-8" PIPE FITTING	A	0	3	1	2	1	1	5.00	0
FK613	FORMS AND SUPPLIES	CEILING TILE	A	0	1	1	1	2	10	40.00	0

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 1001.5

COST ESTIMATE* - BUILDING 1001, EXCH. ADMIN./ELCTRN.

1001-7

DESCRIPTION	UNIT COST (\$)	AREA 1	AREA 2	TOTAL
Pipe Fittings (EA)	70.30	-	-	-
<4"	85.80	-	-	-
4-8"	147.00	-	-	-
9-14"	216.00	-	-	-
>14"				
Pipe Runs (LF)	26.50	-	-	-
<4"	30.50	-	-	-
4-8"	42.50	-	-	-
9-14"	60.80	-	-	-
>14"				
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-
Floor Tile (SF)	5.60	1.1	1.0	2.1
Boilers/Tanks (SF)	37.90	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-
Other		-	-	-
SUBTOTAL		1.1	1.0	2.1
Difficulty Allowance		-	-	-
SUBTOTAL		1.1	1.0	2.1
Decontamination Units Mobilization		1.0	1.0	2.0
SUBTOTAL		2.1	2.0	4.1
Contingency @ 15.00%		0.3	0.3	0.6
SUBTOTAL		2.4	2.3	4.7
Design Fee @ 10.00%		0.2	0.2	0.5
SUBTOTAL		2.6	2.5	5.2
Air Monitoring @ 10.00%***		0.3	0.3	0.5
TOTAL		2.9	2.8	5.7

* Amounts Are In Thousands Of Dollars

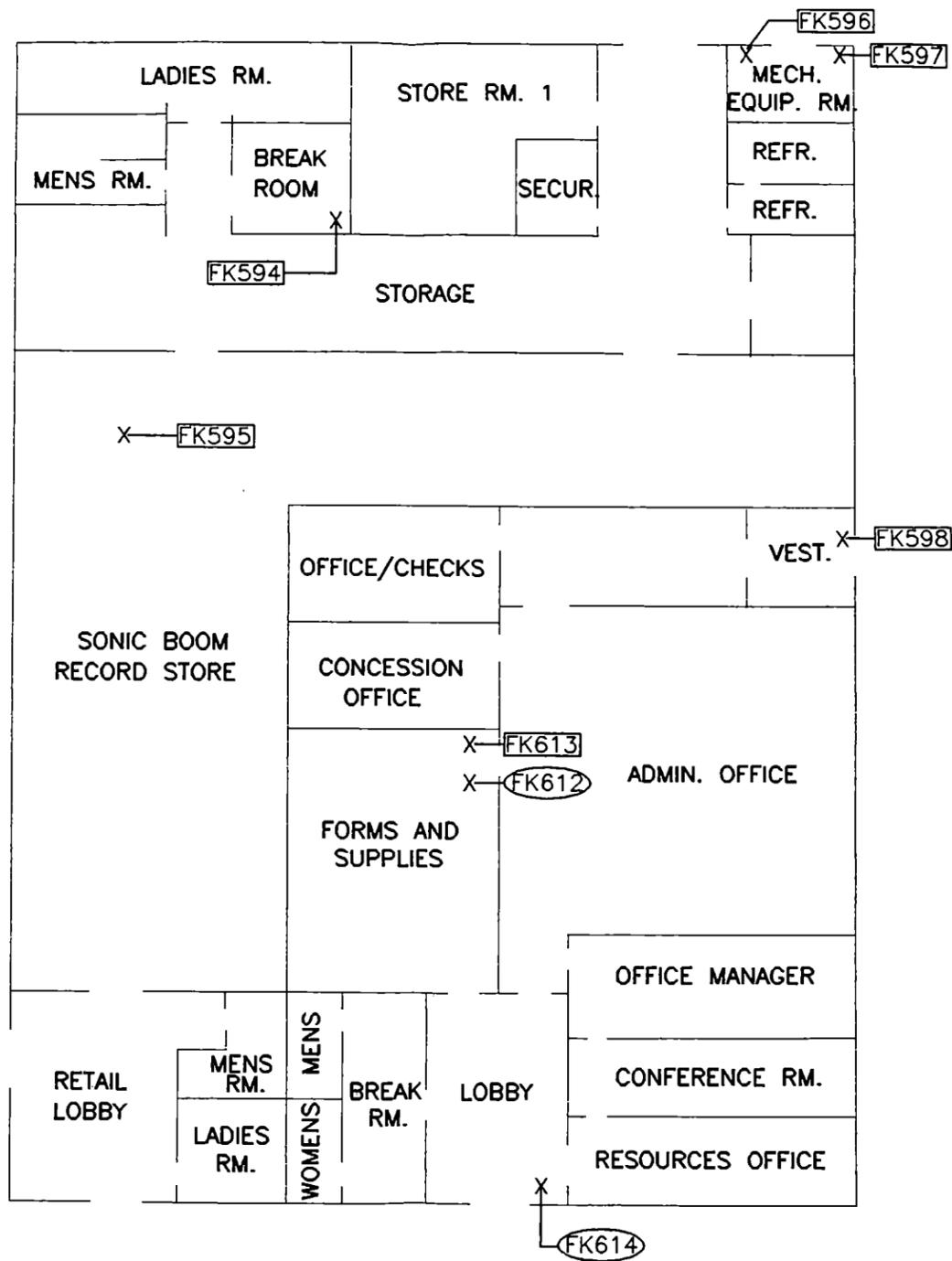
** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: FORMS AND SUPPLIES

AREA 2: LOBBY

FILE: 560109



BLDG. 1001
NOT TO SCALE





1005

POST OFFICE

POST OFFICE

1005.1 GENERAL

Building 1005 was surveyed by WESTON technicians on 17 October 1991.

The first three portions of this facility report summarize the results of this inspection. A photograph of a floor tile sample location is provided in Section 1005.4

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 5 samples of suspect material collected from the building. Of these samples, 4 were found to be asbestos-containing materials (ACM). Table 1005.1 lists the analytical results for the bulk samples.

1005.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 1005 are presented in Table 1005.1. An area-by-area inventory of ACM is provided in Tables 1005.2 and 1005.3. "Other Asbestos-Containing Materials," listed in Table 1005.3, are materials that do not correspond to the standard caption categories listed in Table 1005.2. A prioritized listing of exposure assessments is presented in Table 1005.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 1005.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 1005.2 and 1005.5.

1005.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Asbestos-containing floor tile should be labeled under the O&M Program.

TABLE 1005.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 1005, POST OFFICE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK627	MAIL PREP./WORK ROOM	FLOOR TILE	BLACK,OTH,12X24 FTTL	1	-	-	NO
FK628	MAIL PREP./WORK ROOM	DUPLICATE SAMPLE	BLACK,OTH,12X24 FTTL	3	-	-	NO
FK629	BREAK ROOM	FLOOR TILE	TAN,OTH,12X12 FTTL	5	-	-	NO
FK630	MAIL SORTING ROOM	FLOOR TILE	GRAY,OTH,12X12 FTTL	3	-	-	YES
FK631	MAIL PREP./WORK ROOM	CEILING TILE	WHITE,OTH,CEIL. TILE	-	-	-	YES

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 1005.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 1005, POST OFFICE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
BREAK ROOM	-	-	-	-	-	-	-	-	-	0.12	-	-	-
HALLWAY	-	-	-	-	-	-	-	-	-	0.12	-	-	-
MAIL PREP./WORK ROOM	-	-	-	-	-	-	-	-	-	3.00	-	-	-
MAIL SORTING ROOM	-	-	-	-	-	-	-	-	-	0.62	-	-	-
SUPERINT.'S OFFICE	-	-	-	-	-	-	-	-	-	0.19	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	4.05	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

1005-4

Table 1005.3

Other Asbestos-Containing Material - Building 1005, Post Office
Type Occupancy: Adults (Public)

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building		

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

1005-5



TABLE 1005.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 1005, POST OFFICE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK631	MAIL PREP./WORK ROOM	CEILING TILE	A	0	3	1	1	1	10	40.00	0

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 1005.5

COST ESTIMATE* - BUILDING 1005, POST OFFICE

DESCRIPTION	UNIT COST (\$)	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	TOTAL
Pipe Fittings (EA)							
<4"	70.30	-	-	-	-	-	-
4-8"	85.80	-	-	-	-	-	-
9-14"	147.00	-	-	-	-	-	-
>14"	216.00	-	-	-	-	-	-
Pipe Runs (LF)							
<4"	26.50	-	-	-	-	-	-
4-8"	30.50	-	-	-	-	-	-
9-14"	72.50	-	-	-	-	-	-
>14"	60.80	-	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-	-
Floor Tile (SF)	5.60	0.7	0.6	16.8	3.5	1.1	22.7
Boilers/Tanks (SF)	37.90	-	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-	-
Other		-	-	-	-	-	-
SUBTOTAL		0.7	0.6	16.8	3.5	1.1	22.7
Difficulty Allowance		-	-	-	-	-	-
SUBTOTAL		0.7	0.6	16.8	3.5	1.1	22.7
Decontamination Units Mobilization		0.4	0.4	0.4	0.4	0.4	2.0
SUBTOTAL		1.1	1.0	17.2	3.9	1.5	24.7
Contingency @ 15.00%		0.2	0.2	2.6	0.6	0.2	3.7
SUBTOTAL		1.2	1.2	19.8	4.5	1.7	28.3
Design Fee @ 10.00%		0.1	0.1	2.0	0.4	0.2	2.8
SUBTOTAL		1.4	1.3	21.8	4.9	1.9	31.2
Air Monitoring @ 10.00%***		0.6	0.6	0.6	0.6	0.6	3.1
TOTAL		2.0	1.9	22.4	5.5	2.5	34.3

*Amounts Are In Thousands Of Dollars

**Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

***The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: BREAK ROOM
 AREA 3: MAIL PREP./WORK ROOM
 AREA 5: SUPERINT.'S OFFICE

AREA 2: HALLWAY
 AREA 4: MAIL SORTING ROOM

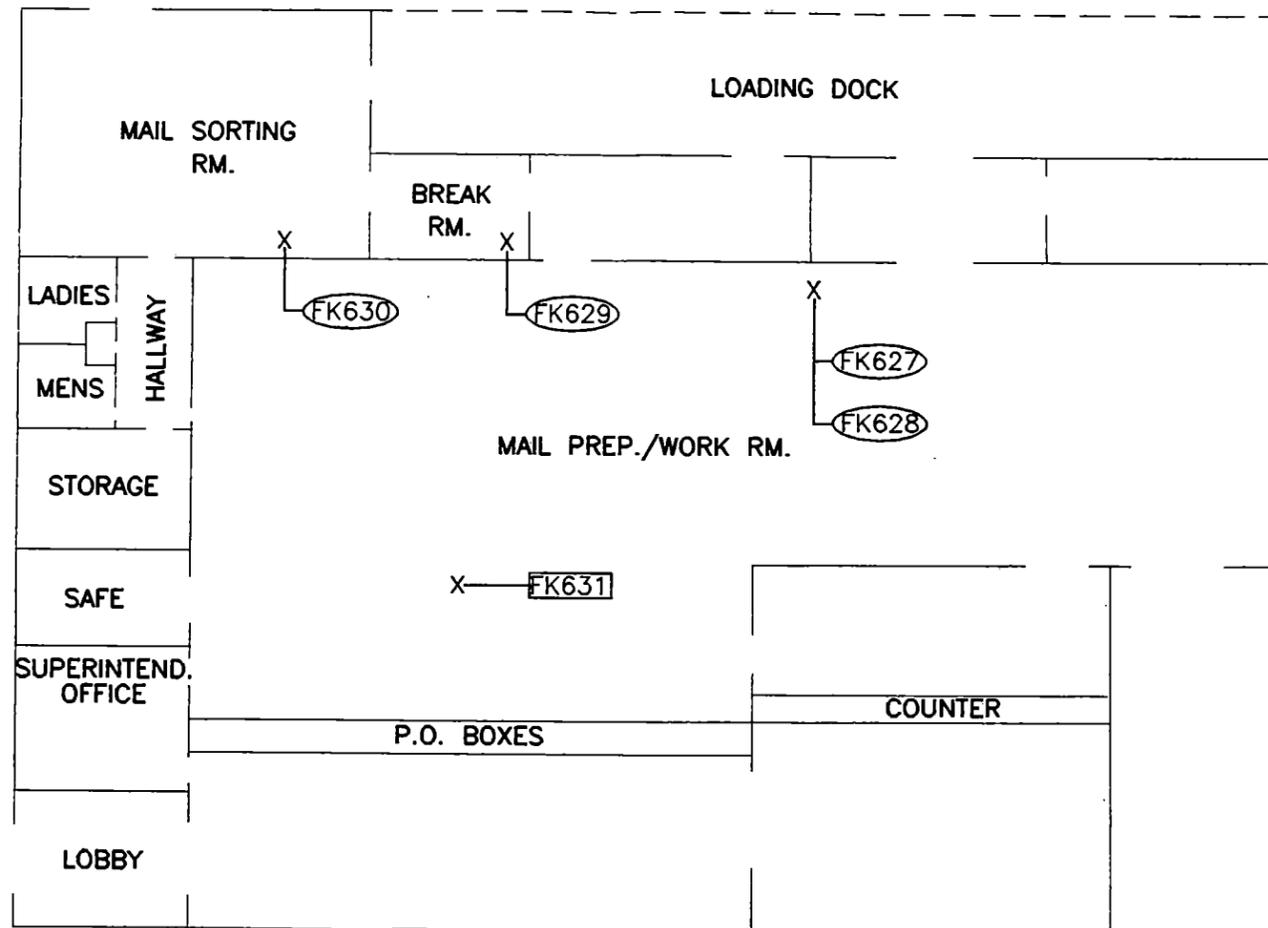
1005-7

1005.4

PHOTOGRAPH



Bldg. 1005 - Mail Prep./Work Rm.: 12" x 24" Floor Tile Sample
FK627 Tested Positive.



BLDG. 1005
NOT TO SCALE





1152

A.D.P. BUILDING



1152

A.D.P. BUILDING

1152.1 GENERAL

Building 1152 was surveyed by WESTON technicians on 9 October 1991.

No suspect asbestos-containing material (ACM) was found in the building.

1152.2 CONCLUSION

Based on the survey performed in Building 1152, WESTON concludes that Building 1152 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 1152.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 1152, A.D.P. BUILDING

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

1204

USMA PREPARATORY SCHOOL/CHAPLAIN BARRACKS

USMA PREPARATORY SCHOOL/CHAPLAIN BARRACKS

1204.1 GENERAL

Building 1204 was surveyed by WESTON technicians on 3 October 1991.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 21 samples of suspect material collected from the building. Of these samples, 15 were found to be asbestos-containing materials (ACM). Table 1204.1 lists the analytical results for the bulk samples.

1204.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 1204 are presented in Table 1204.1. An area-by-area inventory of ACM is provided in Tables 1204.2 and 1204.3. "Other Asbestos-Containing Materials," listed in Table 1005.3, are materials that do not correspond to the standard caption categories listed in Table 1204.2. A prioritized listing of exposure assessments is presented in Table 1204.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 1204.5. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 1204.2 and 1204.5.

1204.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Room 125 qualifies for the Army Asbestos Deficiency Abatement Project.
- Asbestos-containing floor tile and pipe run and pipe fitting insulation should be labeled under the O&M Program.

TABLE 1204.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 1204, USMA PREP/CHAPLAIN

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK574	ROOM 128	FLOOR TILE	TAN,OTH,12X12 FLTL	1	-	-	NO
FK575	ROOM 128	DUPLICATE SAMPLE	TAN,OTH,12X12 FLTL	1	-	-	NO
FK576	ROOM 124	FLOOR TILE	BROWN,OTH,9X9 FL TL	4	-	-	NO
FK577	ROOM 125	<4" PIPE RUN	WHITE,UNK,<4IN. RUN	1	-	-	NO
FK578	ROOM 125	<4" PIPE FITTING	WHITE,UNK,<4IN. FIT.	60	-	-	NO
FK579	ROOM 125	4-8" PIPE RUN	WHITE,UNK,4-BIN. RUN	1	-	-	NO
FK580	ROOM 125	4-8" PIPE FITTING	WHITE,UNK,4-BIN. FIT	60	-	-	YES
FK581	ROOM 122	FLOOR TILE	BROWN,OTH,9X9 FL TL	7	-	-	NO
FK582	ROOM 170	EXPANSION JOINT(S)	WHITE,OTH,EXP. CLOTH	-	-	-	YES
FK583	STORE	FLOOR TILE	GREEN,OTH,9X9 FL TL	7	-	-	NO
FK584	STORE	CEILING TILE	WHITE,OTH,CEIL. TILE	-	-	-	YES
FK585	STORE	DUPLICATE SAMPLE	WHITE,OTH,CEIL. TILE	-	-	-	YES
FK599	ROOM 107	<4" PIPE RUN	WHITE,UNK,<4IN. RUN	-	-	-	YES
FK600	ROOM 107	<4" PIPE FITTING	WHITE,UNK,<4IN. FIT.	30	10	-	NO
FK601	HALLWAY-1ST FL EAST	FLOOR TILE	TAN,OTH,12X12 FLTL	1	-	-	NO
FK602	ROOM 201	FLOOR TILE	TAN,OTH,12X12 FLTL	1	-	-	NO
FK603	ROOM 221-WRESTLING	FLOOR TILE	BROWN,OTH,9X9 FL TL	3	-	-	NO
FK604	STAIRS-3RD FL EAST	FLOOR TILE	BLACK,OTH,9X9 FL TL	3	-	-	NO
FK605	MECHANICAL ROOM	BOILERS/TANKS	WHITE,OTH,TANK INSUL	-	-	-	YES
FK606	MECHANICAL ROOM	DUPLICATE SAMPLE	WHITE,OTH,TANK INSUL	-	-	-	NO
FK607	ROOM 151	FLOOR TILE	TAN,OTH,12X12 FLTL	1	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

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 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 1204.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 1204, USMA PREP/CHAPLAIN

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
297TH MI. BN.	-	-	-	-	-	-	-	-	-	2.19	-	-	-
EQUIP. STORAGE-1STFL	-	-	-	-	-	-	-	-	-	1.92	-	-	-
HALLWAY-1ST FL EAST	-	-	-	-	-	-	-	-	-	0.90	-	-	-
HALLWAY-1ST FL WEST	-	-	-	-	-	-	-	-	-	0.90	-	-	-
HALLWAY-2ND FL EAST	-	-	-	-	-	-	-	-	-	9.00	-	-	-
HALLWAY-2ND FL WEST	-	-	-	-	-	-	-	-	-	0.90	-	-	-
HALLWAY-3RD FL EAST	-	-	-	-	-	-	-	-	-	0.90	-	-	-
HALLWAY-3RD FL WEST	-	-	-	-	-	-	-	-	-	0.90	-	-	-
ROOM 107	2	-	-	-	-	-	-	-	-	-	-	-	-
ROOM 112	-	-	-	-	-	-	-	-	-	0.30	-	-	-
ROOM 113	-	-	-	-	-	-	-	-	-	0.30	-	-	-
ROOM 115	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 116	-	-	-	-	-	-	-	-	-	0.30	-	-	-
ROOM 117	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 121	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 122	-	-	-	-	-	-	-	-	-	0.30	-	-	-
ROOM 123	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 124	-	-	-	-	-	-	-	-	-	0.44	-	-	-
ROOM 125	2	2	-	-	1	1	-	-	-	0.20	-	-	-
ROOM 128	-	-	-	-	-	-	-	-	-	0.52	-	-	-
ROOM 129-CLOSET	-	-	-	-	-	-	-	-	-	0.02	-	-	-
ROOM 134	-	-	-	-	-	-	-	-	-	3.24	-	-	-
ROOM 140	-	-	-	-	-	-	-	-	-	0.42	-	-	-
ROOM 142	-	-	-	-	-	-	-	-	-	0.23	-	-	-
ROOM 143	-	-	-	-	-	-	-	-	-	0.23	-	-	-
ROOM 144	-	-	-	-	-	-	-	-	-	0.23	-	-	-
ROOM 145	-	-	-	-	-	-	-	-	-	0.33	-	-	-
ROOM 146	-	-	-	-	-	-	-	-	-	0.23	-	-	-
ROOM 150	-	-	-	-	-	-	-	-	-	0.24	-	-	-
ROOM 151	-	-	-	-	-	-	-	-	-	0.23	-	-	-
ROOM 152	-	-	-	-	-	-	-	-	-	0.23	-	-	-
ROOM 155	-	-	-	-	-	-	-	-	-	0.27	-	-	-
ROOM 159	-	-	-	-	-	-	-	-	-	0.42	-	-	-

1204-4

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

TABLE 1204.2
(continued)

ASBESTOS-CONTAINING MATERIALS - BUILDING 1204, USMA PREP/CHAPLAIN

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
ROOM 161-STORAGE	-	-	-	-	-	-	-	-	0.79	-	-	-	
ROOM 201	-	-	-	-	-	-	-	-	1.50	-	-	-	
ROOM 201-LOCKER RM	-	-	-	-	-	-	-	-	1.50	-	-	-	
ROOM 202	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 203	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 204	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 205	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 206	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 207	-	-	-	-	-	-	-	-	0.61	-	-	-	
ROOM 210	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 211	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 212	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 213	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 214	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 221-WRESTLING	-	-	-	-	-	-	-	-	3.00	-	-	-	
ROOM 225-CLOSET	-	-	-	-	-	-	-	-	0.02	-	-	-	
ROOM 226	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 227	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 228	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 229	-	-	-	-	-	-	-	-	0.39	-	-	-	
ROOM 230	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 231	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 232	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 233	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 234	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 235	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 236	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 238	-	-	-	-	-	-	-	-	0.33	-	-	-	
ROOM 239-CLOSET	-	-	-	-	-	-	-	-	0.02	-	-	-	
ROOM 240	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 242	-	-	-	-	-	-	-	-	5.55	-	-	-	
ROOM 301	-	-	-	-	-	-	-	-	0.20	-	-	-	
ROOM 302	-	-	-	-	-	-	-	-	0.20	-	-	-	

* Other Material Present In Various Units Of Measure

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

1204-5

TABLE 1204.2
(continued)

ASBESTOS-CONTAINING MATERIALS - BUILDING 1204, USMA PREP/CHAPLAIN

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
ROOM 304	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 305	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 306	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 307	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 308	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 310	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 311	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 312	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 313	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 314	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 315	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 322	-	-	-	-	-	-	-	-	-	2.60	-	-	-
ROOM 327	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 328	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 329	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 330	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 331	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 332	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 333	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 334	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 335	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 336	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 338	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 340	-	-	-	-	-	-	-	-	-	0.20	-	-	-
ROOM 342	-	-	-	-	-	-	-	-	-	3.10	-	-	-
STAIRS-3RD FL EAST	-	-	-	-	-	-	-	-	-	0.05	-	-	-
STAIRS-NORTH	-	-	-	-	-	-	-	-	-	0.02	-	-	-
STAIRS-SOUTH	-	-	-	-	-	-	-	-	-	0.02	-	-	-
STORE	-	-	-	-	-	-	-	-	-	0.06	-	-	-
VEST. 1-1ST FL EAST	-	-	-	-	-	-	-	-	-	0.09	-	-	-
TOTALS	4	2	-	-	1	1	-	-	-	55.65	-	-	-

1204-6

* Other Material Present In Various Units Of Measure

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

Table 1204.3

**Other Asbestos-Containing Material - Building 1204, USMA Prep/Chaplain
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building		

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

1204-7



TABLE 1204.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 1204, USMA PREP/CHAPLAIN

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK578	ROOM 125	<4" PIPE FITTING	C	3.800E03	3	2	1	1	2	40.00	60
FK580	ROOM 125	4-8" PIPE FITTING	C	3.800E03	3	2	1	1	2	40.00	60
FK577	ROOM 125	<4" PIPE RUN	B	2.400E02	3	2	1	1	2	40.00	1
FK579	ROOM 125	4-8" PIPE RUN	B	2.400E02	3	2	1	1	2	40.00	1
FK600	ROOM 107	<4" PIPE FITTING	A	5.000E-1	1	2	1	1	2	10.00	40
FK582	ROOM 170	EXPANSION JOINTS	A	0	1	1	1	1	0	20.00	0
FK584	STORE	CEILING TILE	A	0	1	1	1	2	10	40.00	0
FK599	ROOM 107	<4" PIPE RUN	A	0	1	2	1	1	2	10.00	0
FK605	MECHANICAL ROOM	BOILERS/TANKS	A	0	3	2	1	1	1	2.00	0

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

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TABLE 1204.5

COST ESTIMATE* - BUILDING 1204, USMA PREP/CHAPLAIN

DESCRIPTION	UNIT COST (\$)	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	AREA 6	AREA 7	AREA 8	AREA 9	AREA 10	AREA 11
Pipe Fittings (EA)												
<4"	70.30	-	-	-	-	-	-	-	-	0.1	-	-
4-8"	85.80	-	-	-	-	-	-	-	-	-	-	-
9-14"	147.00	-	-	-	-	-	-	-	-	-	-	-
>14"	216.00	-	-	-	-	-	-	-	-	-	-	-
Pipe Runs (LF)												
<4"	26.50	-	-	-	-	-	-	-	-	-	-	-
4-8"	30.50	-	-	-	-	-	-	-	-	-	-	-
9-14"	42.50	-	-	-	-	-	-	-	-	-	-	-
>14"	60.80	-	-	-	-	-	-	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-	-	-	-	-	-	-
Floor Tile (SF)	5.60	12.3	10.8	5.0	5.0	50.4	5.0	5.0	5.0	-	1.7	1.7
Boilers/Tanks (SF)	37.90	-	-	-	-	-	-	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		12.3	10.8	5.0	5.0	50.4	5.0	5.0	5.0	0.1	1.7	1.7
Difficulty Allowance		-	-	-	-	-	-	-	-	0.2	-	-
SUBTOTAL		12.3	10.8	5.0	5.0	50.4	5.0	5.0	5.0	0.4	1.7	1.7
Decontamination Units Mobilization		**	**	**	**	**	**	**	**	**	**	**
SUBTOTAL		12.3	10.8	5.1	5.1	50.4	5.1	5.1	5.1	0.4	1.7	1.7
Contingency @ 15.00%		1.8	1.6	0.8	0.8	7.6	0.8	0.8	0.8	**	0.3	0.3
SUBTOTAL		14.1	12.4	5.8	5.8	58.0	5.8	5.8	5.8	0.4	2.0	2.0
Design Fee @ 10.00%		1.4	1.2	0.6	0.6	5.8	0.6	0.6	0.6	**	0.2	0.2
SUBTOTAL		15.5	13.6	6.4	6.4	63.8	6.4	6.4	6.4	0.5	2.2	2.2
Air Monitoring @ 10.00%***		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL		16.0	14.0	6.8	6.8	64.2	6.8	6.8	6.8	0.9	2.6	2.6

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*Amounts Are In Thousands Of Dollars

**Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

***The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: 297TH MI. BN.
 AREA 2: HALLWAY-1ST FL EAST
 AREA 3: HALLWAY-2ND FL EAST
 AREA 4: HALLWAY-3RD FL EAST
 AREA 5: ROOM 107
 AREA 6: ROOM 115

AREA 2: EQUIP. STORAGE-1STFL
 AREA 4: HALLWAY-1ST FL WEST
 AREA 6: HALLWAY-2ND FL WEST
 AREA 8: HALLWAY-3RD FL WEST
 AREA 10: ROOM 112

TABLE 1204.5
(continued)

COST ESTIMATE* - BUILDING 1204, USMA PREP/CHAPLAIN

DESCRIPTION	UNIT COST (\$)	AREA 12	AREA 13	AREA 14	AREA 15	AREA 16	AREA 17	AREA 18	AREA 19	AREA 20	AREA 21	AREA 22
Pipe Fittings (EA)												
<4"	70.30	-	-	-	-	-	-	-	0.1	-	-	-
4-8"	85.80	-	-	-	-	-	-	-	0.2	-	-	-
9-14"	147.00	-	-	-	-	-	-	-	-	-	-	-
>14"	216.00	-	-	-	-	-	-	-	-	-	-	-
Pipe Runs (LF)												
<4"	26.50	-	-	-	-	-	-	-	**	-	-	-
4-8"	40.50	-	-	-	-	-	-	-	**	-	-	-
9-14"	70.50	-	-	-	-	-	-	-	-	-	-	-
>14"	60.80	-	-	-	-	-	-	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-	-	-	-	-	-	-
Floor Tile (SF)	5.60	1.1	1.7	1.1	1.1	1.7	1.1	2.5	1.1	2.9	0.1	18.1
Boilers/Tanks (SF)	37.90	-	-	-	-	-	-	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		1.1	1.7	1.1	1.1	1.7	1.1	2.5	1.5	2.9	0.1	18.1
Difficulty Allowance		-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		1.1	1.7	1.1	1.1	1.7	1.1	2.5	1.5	2.9	0.1	18.1
Decontamination Units Mobilization		**	**	**	**	**	**	**	**	**	**	**
SUBTOTAL		1.1	1.7	1.1	1.1	1.7	1.1	2.5	1.5	2.9	0.1	18.2
Contingency @ 15.00%		0.2	0.3	0.2	0.2	0.3	0.2	0.4	0.2	0.4	**	2.7
SUBTOTAL		1.3	2.0	1.3	1.3	1.9	1.3	2.9	1.7	3.3	0.2	20.9
Design Fee @ 10.00%		0.1	0.2	0.1	0.1	0.2	0.1	0.3	0.2	0.3	**	2.1
SUBTOTAL		1.4	2.2	1.4	1.4	2.1	1.4	3.2	1.9	3.7	0.2	23.0
Air Monitoring @ 10.00%***		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL		1.8	2.6	1.8	1.8	2.5	1.8	3.6	2.3	4.1	0.6	23.4

*Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 12: ROOM 115
AREA 14: ROOM 117
AREA 16: ROOM 122
AREA 18: ROOM 127
AREA 20: ROOM 128
AREA 22: ROOM 134

AREA 13: ROOM 116
AREA 15: ROOM 121
AREA 17: ROOM 123
AREA 19: ROOM 125
AREA 21: ROOM 129-CLOSET

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TABLE 1204.5
(continued)

COST ESTIMATE* - BUILDING 1204, USMA PREP/CHAPLAIN

DESCRIPTION	UNIT COST (\$)	AREA 23	AREA 24	AREA 25	AREA 26	AREA 27	AREA 28	AREA 29	AREA 30	AREA 31	AREA 32	AREA 33
Pipe Fittings (EA)												
<4"	70.30	-	-	-	-	-	-	-	-	-	-	-
4-8"	85.80	-	-	-	-	-	-	-	-	-	-	-
9-14"	147.00	-	-	-	-	-	-	-	-	-	-	-
>14"	216.00	-	-	-	-	-	-	-	-	-	-	-
Pipe Runs (LF)												
<4"	26.50	-	-	-	-	-	-	-	-	-	-	-
4-8"	30.50	-	-	-	-	-	-	-	-	-	-	-
9-14"	42.50	-	-	-	-	-	-	-	-	-	-	-
>14"	60.80	-	-	-	-	-	-	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-	-	-	-	-	-	-
Floor Tile (SF)	5.60	2.4	1.3	1.3	1.3	1.8	1.3	1.3	1.3	1.3	1.5	2.4
Boilers/Tanks (SF)	37.90	-	-	-	-	-	-	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		2.4	1.3	1.3	1.3	1.8	1.3	1.3	1.3	1.3	1.5	2.4
Difficulty Allowance		-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		2.4	1.3	1.3	1.3	1.8	1.3	1.3	1.3	1.3	1.5	2.4
Decontamination Units Mobilization		**	**	**	**	**	**	**	**	**	**	**
SUBTOTAL		2.4	1.3	1.3	1.3	1.9	1.3	1.3	1.3	1.3	1.5	2.4
Contingency @ 15.00%		0.4	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.4
SUBTOTAL		2.7	1.5	1.5	1.5	2.1	1.5	1.5	1.5	1.5	1.8	2.7
Design Fee @ 10.00%		0.3	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.3
SUBTOTAL		3.0	1.6	1.6	1.6	2.4	1.6	1.7	1.6	1.6	1.9	3.0
Air Monitoring @ 10.00%***		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL		3.4	2.0	2.0	2.0	2.8	2.0	2.1	2.0	2.0	2.4	3.4

*Amounts Are In Thousands Of Dollars

**Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

***The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 23: ROOM 140
AREA 25: ROOM 143
AREA 27: ROOM 145
AREA 29: ROOM 150
AREA 31: ROOM 152
AREA 33: ROOM 159

AREA 24: ROOM 142
AREA 26: ROOM 144
AREA 28: ROOM 147
AREA 30: ROOM 151
AREA 32: ROOM 155

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TABLE 1204.5
(continued)

COST ESTIMATE* - BUILDING 1204, USMA PREP/CHAPLAIN

DESCRIPTION	UNIT COST (\$)	AREA 34	AREA 35	AREA 36	AREA 37	AREA 38	AREA 39	AREA 40	AREA 41	AREA 42	AREA 43	AREA 44
Pipe Fittings (EA)												
<4"	70.30	-	-	-	-	-	-	-	-	-	-	-
4-8"	85.80	-	-	-	-	-	-	-	-	-	-	-
9-14"	147.00	-	-	-	-	-	-	-	-	-	-	-
>14"	216.00	-	-	-	-	-	-	-	-	-	-	-
Pipe Runs (LF)												
<4"	26.50	-	-	-	-	-	-	-	-	-	-	-
4-8"	30.50	-	-	-	-	-	-	-	-	-	-	-
9-14"	42.50	-	-	-	-	-	-	-	-	-	-	-
>14"	60.80	-	-	-	-	-	-	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-	-	-	-	-	-	-
Floor Tile (SF)	5.60	4.4	8.4	8.4	1.1	1.1	1.1	1.1	1.1	3.4	1.1	1.1
Boilers/Tanks (SF)	37.90	-	-	-	-	-	-	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		4.4	8.4	8.4	1.1	1.1	1.1	1.1	1.1	3.4	1.1	1.1
Difficulty Allowance		-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		4.4	8.4	8.4	1.1	1.1	1.1	1.1	1.1	3.4	1.1	1.1
Decontamination Units Mobilization		**	**	**	**	**	**	**	**	**	**	**
SUBTOTAL		4.4	8.4	8.4	1.1	1.1	1.1	1.1	1.1	3.4	1.1	1.1
Contingency @ 15.00%		0.7	1.3	1.3	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2
SUBTOTAL		5.1	9.7	9.7	1.3	1.3	1.3	1.3	1.3	3.9	1.3	1.3
Design Fee @ 10.00%		0.5	1.0	1.0	0.1	0.1	0.1	0.1	0.1	0.4	0.1	0.1
SUBTOTAL		5.6	10.7	10.7	1.4	1.4	1.4	1.4	1.4	4.3	1.4	1.4
Air Monitoring @ 10.00%***		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL		6.0	11.1	11.1	1.8	1.8	1.8	1.8	1.8	4.7	1.8	1.8

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 34: ROOM 161-STORAGE
 AREA 36: ROOM 201-LOCKER RM
 AREA 38: ROOM 203
 AREA 40: ROOM 205
 AREA 42: ROOM 207
 AREA 44: ROOM 211

AREA 35: ROOM 201
 AREA 37: ROOM 202
 AREA 39: ROOM 204
 AREA 41: ROOM 206
 AREA 43: ROOM 210

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TABLE 1204.5
(continued)

COST ESTIMATE* - BUILDING 1204, USMA PREP/CHAPLAIN

DESCRIPTION	UNIT COST (\$)	AREA 45	AREA 46	AREA 47	AREA 48	AREA 49	AREA 50	AREA 51	AREA 52	AREA 53	AREA 54	AREA 55
Pipe Fittings (EA)												
<4"	70.30	-	-	-	-	-	-	-	-	-	-	-
4-8"	85.80	-	-	-	-	-	-	-	-	-	-	-
9-14"	147.00	-	-	-	-	-	-	-	-	-	-	-
>14"	246.00	-	-	-	-	-	-	-	-	-	-	-
Pipe Runs (LF)												
<4"	26.50	-	-	-	-	-	-	-	-	-	-	-
4-8"	50.50	-	-	-	-	-	-	-	-	-	-	-
9-14"	72.50	-	-	-	-	-	-	-	-	-	-	-
>14"	60.80	-	-	-	-	-	-	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-	-	-	-	-	-	-
Floor Tile (SF)	5.60	1.1	1.1	1.1	16.8	0.1	1.1	1.1	1.1	2.2	1.1	1.1
Boilers/Tanks (SF)	37.90	-	-	-	-	-	-	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		1.1	1.1	1.1	16.8	0.1	1.1	1.1	1.1	2.2	1.1	1.1
Difficulty Allowance		-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		1.1	1.1	1.1	16.8	0.1	1.1	1.1	1.1	2.2	1.1	1.1
Decontamination Units Mobilization		**	**	**	**	**	**	**	**	**	**	**
SUBTOTAL		1.1	1.1	1.1	16.8	0.1	1.1	1.1	1.1	2.2	1.1	1.1
Contingency @ 15.00%		0.2	0.2	0.2	2.5	**	0.2	0.2	0.2	0.3	0.2	0.2
SUBTOTAL		1.3	1.3	1.3	19.3	0.2	1.3	1.3	1.3	2.5	1.3	1.3
Design Fee @ 10.00%		0.1	0.1	0.1	1.9	**	0.1	0.1	0.1	0.3	0.1	0.1
SUBTOTAL		1.4	1.4	1.4	21.3	0.2	1.4	1.4	1.4	2.8	1.4	1.4
Air Monitoring @ 10.00%***		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL		1.8	1.8	1.8	21.7	0.6	1.8	1.8	1.8	3.2	1.8	1.8

*Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 45: ROOM 212
 AREA 47: ROOM 214
 AREA 49: ROOM 225-CLOSET
 AREA 51: ROOM 227
 AREA 53: ROOM 229
 AREA 55: ROOM 231

AREA 46: ROOM 213
 AREA 48: ROOM 221-WRESTLING
 AREA 50: ROOM 223
 AREA 52: ROOM 225
 AREA 54: ROOM 229

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TABLE 1204.5
(continued)

COST ESTIMATE* - BUILDING 1204, USMA PREP/CHAPLAIN

DESCRIPTION	UNIT COST (\$)	AREA 56	AREA 57	AREA 58	AREA 59	AREA 60	AREA 61	AREA 62	AREA 63	AREA 64	AREA 65	AREA 66
Pipe Fittings (EA)												
<4"	70.30	-	-	-	-	-	-	-	-	-	-	-
4-8"	85.80	-	-	-	-	-	-	-	-	-	-	-
9-14"	147.00	-	-	-	-	-	-	-	-	-	-	-
>14"	216.00	-	-	-	-	-	-	-	-	-	-	-
Pipe Runs (LF)												
<4"	26.50	-	-	-	-	-	-	-	-	-	-	-
4-8"	30.50	-	-	-	-	-	-	-	-	-	-	-
9-14"	72.50	-	-	-	-	-	-	-	-	-	-	-
>14"	60.80	-	-	-	-	-	-	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-	-	-	-	-	-	-
Floor Tile (SF)	5.60	1.1	1.1	1.1	1.1	1.1	1.8	0.1	1.1	31.1	1.1	1.1
Boilers/Tanks (SF)	37.90	-	-	-	-	-	-	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		1.1	1.1	1.1	1.1	1.1	1.8	0.1	1.1	31.1	1.1	1.1
Difficulty Allowance		-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		1.1	1.1	1.1	1.1	1.1	1.8	0.1	1.1	31.1	1.1	1.1
Decontamination Units Mobilization		**	**	**	**	**	**	**	**	**	**	**
SUBTOTAL		1.1	1.1	1.1	1.1	1.1	1.9	0.1	1.1	31.1	1.1	1.1
Contingency @ 15.00%		0.2	0.2	0.2	0.2	0.2	0.3	**	0.2	4.7	0.2	0.2
SUBTOTAL		1.3	1.3	1.3	1.3	1.3	2.1	0.2	1.3	35.8	1.3	1.3
Design Fee @ 10.00%		0.1	0.1	0.1	0.1	0.1	0.2	**	0.1	3.6	0.1	0.1
SUBTOTAL		1.4	1.4	1.4	1.4	1.4	2.4	0.2	1.4	39.3	1.4	1.4
Air Monitoring @ 10.00%***		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL		1.8	1.8	1.8	1.8	1.8	2.8	0.6	1.8	39.8	1.8	1.8

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 56: ROOM 232
 AREA 58: ROOM 234
 AREA 60: ROOM 236
 AREA 62: ROOM 239-CLOSET
 AREA 64: ROOM 242
 AREA 66: ROOM 302

AREA 57: ROOM 233
 AREA 59: ROOM 235
 AREA 61: ROOM 238
 AREA 63: ROOM 240
 AREA 65: ROOM 301

1204-14

TABLE 1204.5
(continued)

COST ESTIMATE* - BUILDING 1204, USMA PREP/CHAPLAIN

DESCRIPTION	UNIT COST (\$)	AREA 67	AREA 68	AREA 69	AREA 70	AREA 71	AREA 72	AREA 73	AREA 74	AREA 75	AREA 76	AREA 77
Pipe Fittings (EA)												
<4"	70.30	-	-	-	-	-	-	-	-	-	-	-
4-8"	85.80	-	-	-	-	-	-	-	-	-	-	-
9-14"	147.00	-	-	-	-	-	-	-	-	-	-	-
>14"	216.00	-	-	-	-	-	-	-	-	-	-	-
Pipe Runs (LF)												
<4"	26.50	-	-	-	-	-	-	-	-	-	-	-
4-8"	30.50	-	-	-	-	-	-	-	-	-	-	-
9-14"	42.50	-	-	-	-	-	-	-	-	-	-	-
>14"	60.80	-	-	-	-	-	-	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-	-	-	-	-	-	-
Floor Tile (SF)	5.60	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Boilers/Tanks (SF)	37.90	-	-	-	-	-	-	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Difficulty Allowance		-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Decontamination Units Mobilization		**	**	**	**	**	**	**	**	**	**	**
SUBTOTAL		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Contingency @ 15.00%		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
SUBTOTAL		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Design Fee @ 10.00%		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
SUBTOTAL		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Air Monitoring @ 10.00%***		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL		1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

1204-15

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 67: ROOM 304
AREA 69: ROOM 306
AREA 71: ROOM 308
AREA 73: ROOM 311
AREA 75: ROOM 313
AREA 77: ROOM 315

AREA 68: ROOM 305
AREA 70: ROOM 307
AREA 72: ROOM 310
AREA 74: ROOM 312
AREA 76: ROOM 314

TABLE 1204.5
(continued)

COST ESTIMATE* - BUILDING 1204, USMA PREP/CHAPLAIN

DESCRIPTION	UNIT COST (\$)	AREA 78	AREA 79	AREA 80	AREA 81	AREA 82	AREA 83	AREA 84	AREA 85	AREA 86	AREA 87	AREA 88
Pipe Fittings (EA)												
<4"	70.30	-	-	-	-	-	-	-	-	-	-	-
4-8"	85.80	-	-	-	-	-	-	-	-	-	-	-
9-14"	147.00	-	-	-	-	-	-	-	-	-	-	-
>14"	216.00	-	-	-	-	-	-	-	-	-	-	-
Pipe Runs (LF)												
<4"	26.50	-	-	-	-	-	-	-	-	-	-	-
4-8"	30.50	-	-	-	-	-	-	-	-	-	-	-
9-14"	72.50	-	-	-	-	-	-	-	-	-	-	-
>14"	60.80	-	-	-	-	-	-	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-	-	-	-	-	-	-
Floor Tile (SF)	5.60	14.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Boilers/Tanks (SF)	37.90	-	-	-	-	-	-	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		14.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Difficulty Allowance	-	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		14.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Decontamination Units Mobilization	-	**	**	**	**	**	**	**	**	**	**	**
SUBTOTAL		14.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Contingency @ 15.00%		2.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
SUBTOTAL		16.8	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Design Fee @ 10.00%		1.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
SUBTOTAL		18.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Air Monitoring @ 10.00%***		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
TOTAL		18.9	1.8									

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 78: ROOM 322
 AREA 80: ROOM 328
 AREA 82: ROOM 330
 AREA 84: ROOM 332
 AREA 86: ROOM 334
 AREA 88: ROOM 336

AREA 79: ROOM 327
 AREA 81: ROOM 329
 AREA 83: ROOM 331
 AREA 85: ROOM 333
 AREA 87: ROOM 335

1204-16

TABLE 1204.5
(continued)

COST ESTIMATE* - BUILDING 1204, USMA PREP/CHAPLAIN

DESCRIPTION	UNIT COST (\$)	AREA 89	AREA 90	AREA 91	AREA 92	AREA 93	AREA 94	AREA 95	AREA 96	TOTAL
Pipe Fittings (EA)										
<4"	70.30	-	-	-	-	-	-	-	-	0.3
4-8"	85.80	-	-	-	-	-	-	-	-	0.2
9-14"	147.00	-	-	-	-	-	-	-	-	-
>14"	216.00	-	-	-	-	-	-	-	-	-
Pipe Runs (LF)										
<4"	26.50	-	-	-	-	-	-	-	-	**
4-8"	30.50	-	-	-	-	-	-	-	-	**
9-14"	42.50	-	-	-	-	-	-	-	-	-
>14"	60.80	-	-	-	-	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-	-	-	-	-
Floor Tile (SF)	5.60	1.1	1.1	17.4	0.3	0.1	0.1	0.4	0.5	311.6
Boilers/Tanks (SF)	37.90	-	-	-	-	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-	-	-
SUBTOTAL		1.1	1.1	17.4	0.3	0.1	0.1	0.4	0.5	312.1
Difficulty Allowance		-	-	-	-	-	-	0.2	-	0.4
SUBTOTAL		1.1	1.1	17.4	0.3	0.1	0.1	0.5	0.5	312.5
Decontamination Units Mobilization		**	**	**	**	**	**	**	**	2.0
SUBTOTAL		1.1	1.1	17.4	0.3	0.1	0.1	0.6	0.5	314.5
Contingency @ 15.00%		0.2	0.2	2.6	**	**	**	**	**	47.2
SUBTOTAL		1.3	1.3	20.0	0.3	0.2	0.2	0.6	0.6	361.7
Design Fee @ 10.00%		0.1	0.1	2.0	**	**	**	**	**	36.2
SUBTOTAL		1.4	1.4	22.0	0.4	0.2	0.2	0.7	0.7	397.9
Air Monitoring @ 10.00%***		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	39.8
TOTAL		1.8	1.8	22.4	0.8	0.6	0.6	1.1	1.1	437.7

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

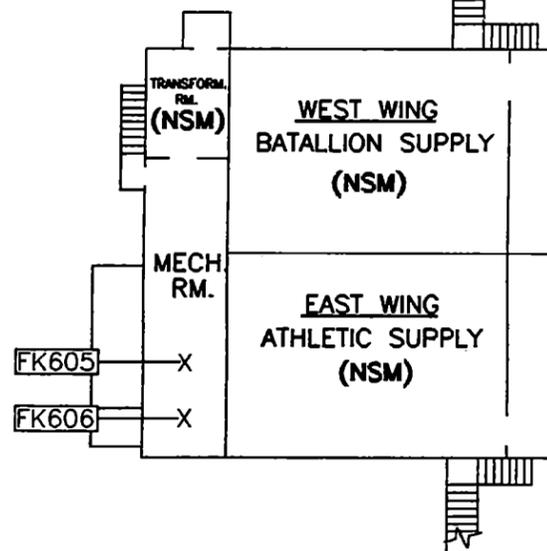
*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 89: ROOM 338
AREA 90: ROOM 342
AREA 91: STAIRS-NORTH
AREA 95: STORE

AREA 90: ROOM 340
AREA 92: STAIRS-3RD FL EAST
AREA 94: STAIRS-SOUTH
AREA 96: VEST. 1-1ST FL EAST

1204-17

WEST CRAWLSPACE
(NSM) – NO SUSPECT MATERIAL



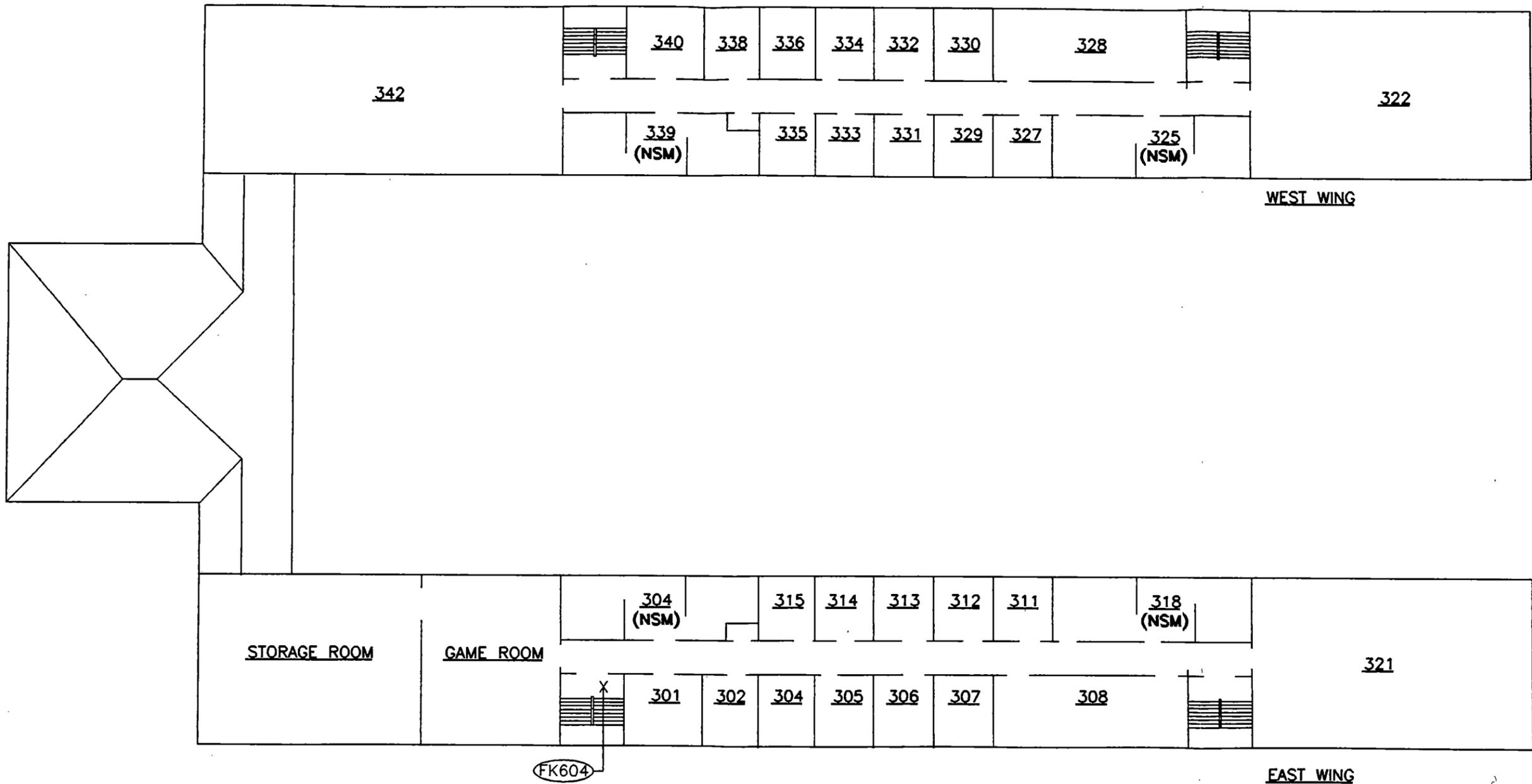
WEST CRAWLSPACE
(NSM) – NO SUSPECT MATERIAL

BLDG. 1204 – BASEMENT
NOT TO SCALE



(NSM) NO SUSPECT MAT'L.
FHnnn POSITIVE SAMPLE
FHnnn NEGATIVE SAMPLE





BLDG. 1204-3rd FLOOR

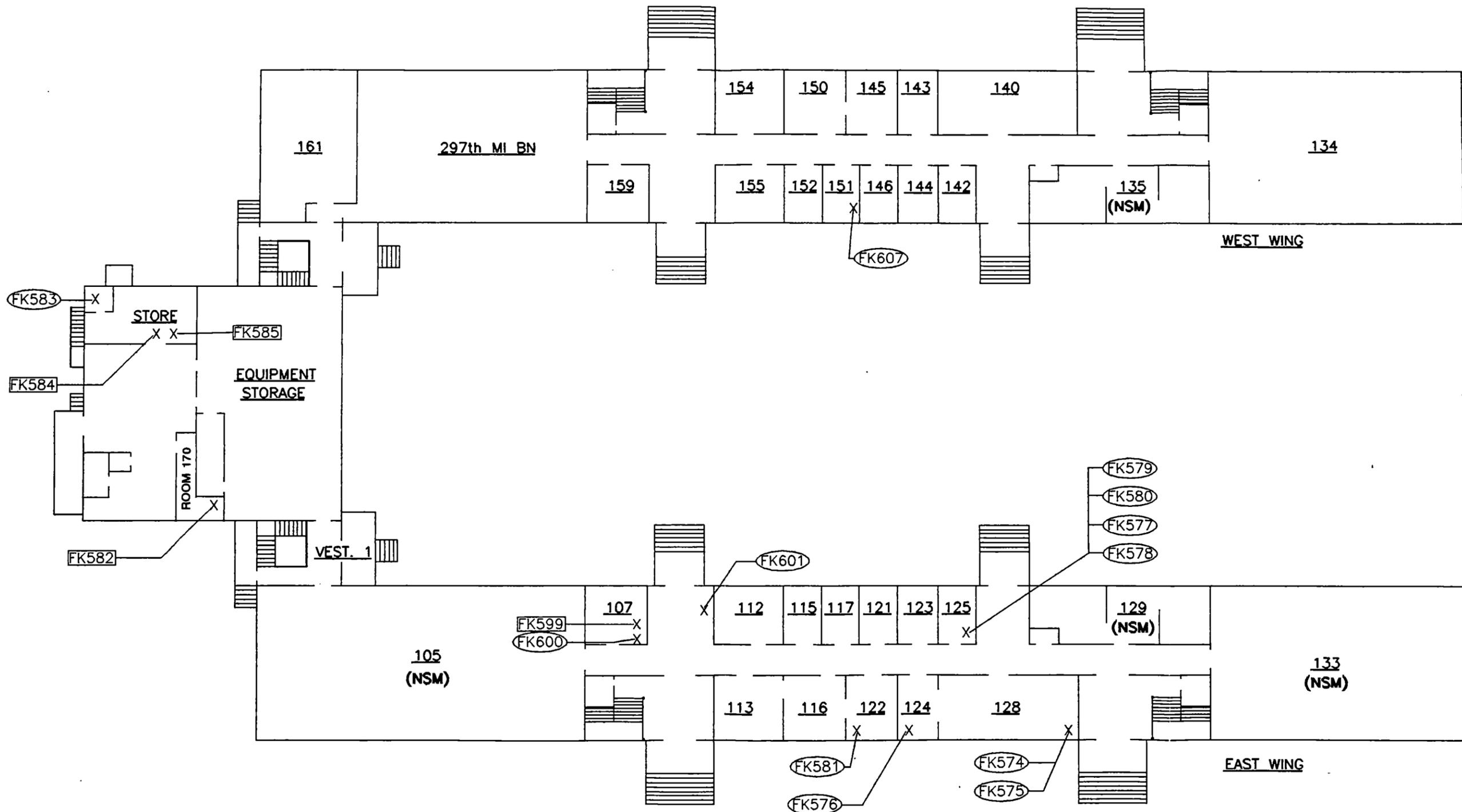
NOT TO SCALE

NORTH



(NSM) NO SUSPECT MAT'L.
 (FHnnn) POSITIVE SAMPLE
 (FHnnn) NEGATIVE SAMPLE



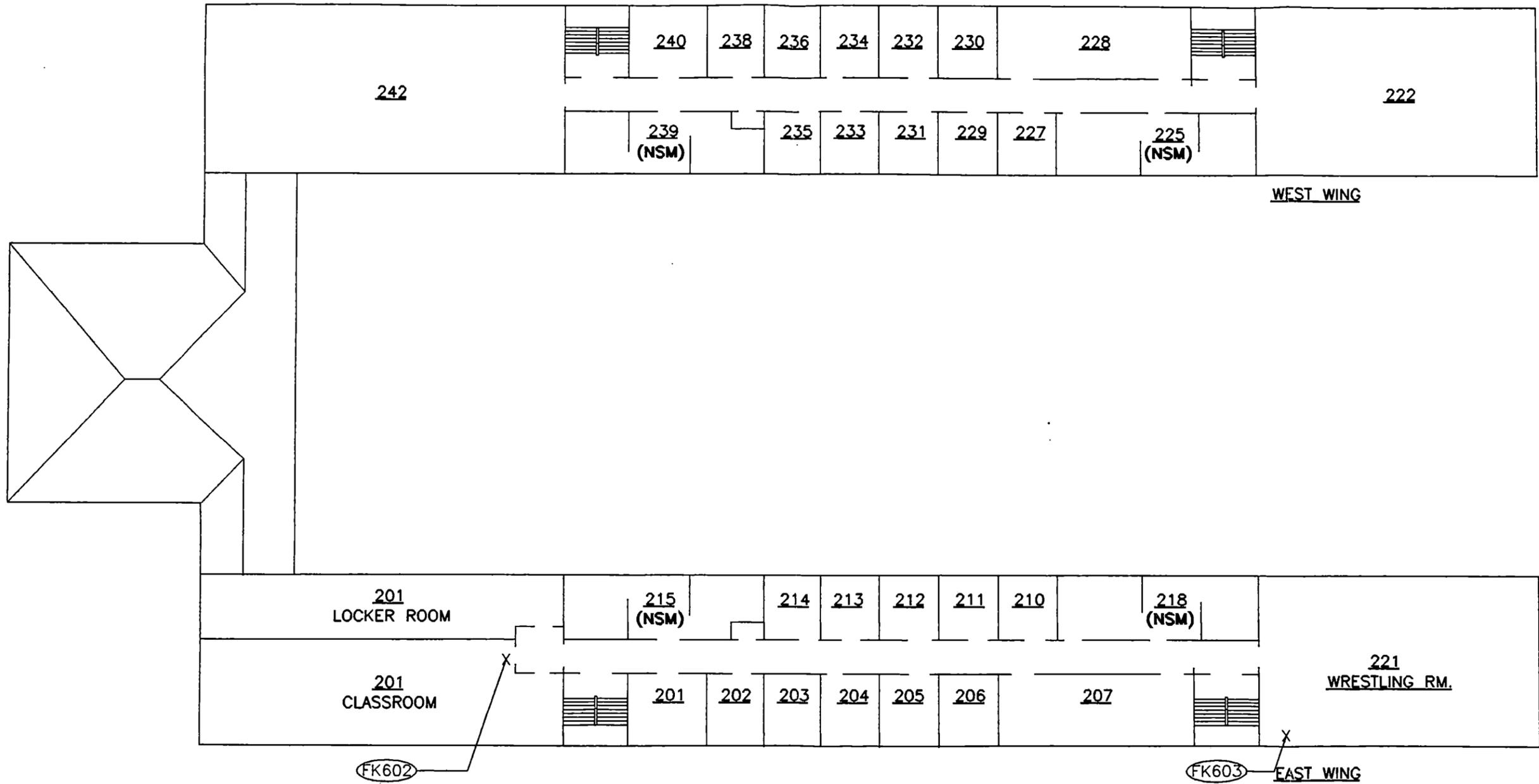


BLDG. 1204 - 1st FLOOR
NOT TO SCALE



(NSM) NO SUSPECT MAT'L.
 (FHnn) POSITIVE SAMPLE
 (FHnn) NEGATIVE SAMPLE





BLDG. 1204-2nd FLOOR

NOT TO SCALE

NORTH



(NSM) NO SUSPECT MAT'L.
 (FHnn) POSITIVE SAMPLE
 (FHnn) NEGATIVE SAMPLE



2500

STORAGE SHED

STORAGE SHED

2500.1 GENERAL

Building 2500 was surveyed by WESTON technicians on 20 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze three samples of suspect material collected from the building. Of these samples, one was found to be nonasbestos-containing material (non-ACM). Table 2500.1 lists the analytical results for the bulk samples.

2500.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 2500 are presented in Table 2500.1. An area-by-area inventory of ACM is provided in Tables 2500.2 and 2500.3. "Other Asbestos-Containing Materials," listed in Table 2500.3, are materials that do not correspond to the standard caption categories listed in Table 2500.2. A prioritized listing of exposure assessments is presented in Table 2500.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document. An itemized area-by-area cost estimate for removal and replacement is provided in Table 2500.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Table 2500.2 and 2500.5.



2500.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends that asbestos-containing fiberboard found on the furnace exhaust be labeled under the O&M Program.

TABLE 2500.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 2500, STORAGE SHED

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK670	ROOF	OTHER MATERIAL	BLACK,OTH,SHINGLE	-	-	-	YES
GQ587	INTERIOR	OTHER MATERIAL	WHITE,OTH,FIBERBOARD	40	-	-	NO
GQ588	INTERIOR	OTHER MATERIAL	WHITE,OTH,GYPSUM BRD	-	-	-	YES

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 2500.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 2500, STORAGE SHED

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
INTERIOR	-	-	-	-	-	-	-	-	-	-	-	-	*
TOTALS	-	-	-	-	-	-	-	-	-	-	-	-	*

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

2500-4

Table 2500.3

**Other Asbestos-Containing Material — Building 2500, Storage Shed
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
Interior	Insulation Board	0.002 (MSF)

MSF - Thousand Square Feet

2500-5

TABLE 2500.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 2500, STORAGE SHED

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
GQ587	INTERIOR	INSULATION BOARD	A	0	1	1	2	1	0	10.00	40
GQ588	INTERIOR	INSULATION BOARD	A	0	1	1	2	1	0	10.00	0

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

2500-6

TABLE 2500.5

COST ESTIMATE* - BUILDING 2500, STORAGE SHED

DESCRIPTION	UNIT COST (\$)	AREA	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	82.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	42.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	-	-
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		**	**
SUBTOTAL		**	**
Difficulty Allowance		-	-
SUBTOTAL		**	**
Decontamination Units Mobilization		2.0	2.0
SUBTOTAL		2.0	2.0
Contingency @ 15.00%		0.3	0.3
SUBTOTAL		2.3	2.3
Design Fee @ 10.00%		0.2	0.2
SUBTOTAL		2.5	2.5
Air Monitoring @ 10.00%***		0.5	0.5
TOTAL		3.0	3.0

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: INTERIOR

2500-7

FK670
(ROOF)

GQ587

GQ588

BLDG. 2500
NOT TO SCALE

NORTH



(NSM) NO SUSPECT MAT'L.
GQnnn POSITIVE SAMPLE
GQnnn NEGATIVE SAMPLE



2506

WAREHOUSE

WAREHOUSE**2506.1 GENERAL**

Building 2506 was surveyed by WESTON technicians on 11 October 1991.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 1 sample of suspect material collected from the building. This sample was found to be asbestos-containing material (ACM). Table 2506.1 lists the analytical results for the bulk sample.

2506.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 2506 are presented in Table 2506.1. An area-by-area inventory of ACM is provided in Tables 2506.2 and 2506.3. "Other Asbestos-Containing Materials," listed in Table 2506.3, are materials that do not correspond to the standard caption categories listed in Table 2506.2. A prioritized listing of exposure assessments is presented in Table 2506.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 2506.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 2506.2 and 2506.5.

2506.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Asbestos-containing floor tile should be labeled under the O&M Program.

TABLE 2506.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 2506, WAREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK593	OFFICE I	FLOOR TILE	TAN,OTH,12X12 FLTL	1	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 2506.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 2506, WAREHOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
OFFICE I	-	-	-	-	-	-	-	-	-	0.45	-	-	-
OFFICE II	-	-	-	-	-	-	-	-	-	0.29	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	0.73	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

2506-4

Table 2506.3

**Other Asbestos-Containing Material - Building 2506, Warehouse
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building		

- EA - Each
- LF - Linear Feet
- MSF - Thousand Square Feet

2506-5



TABLE 2506.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 2506, WAREHOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		

Only Non-Friable Material Was Detected In This Building
Exposure Assessments Are Not Available

2506-6

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 2506.5

COST ESTIMATE* - BUILDING 2506, WAREHOUSE

DESCRIPTION	UNIT COST (\$)	AREA 1	AREA 2	TOTAL
Pipe Fittings (EA)				
<4"	70.30	-	-	-
4-8"	85.80	-	-	-
9-14"	147.00	-	-	-
>14"	216.00	-	-	-
Pipe Runs (LF)				
<4"	26.50	-	-	-
4-8"	40.80	-	-	-
9-14"	72.80	-	-	-
>14"	60.80	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-
Floor Tile (SF)	5.60	2.5	1.6	4.1
Boilers/Tanks (SF)	37.90	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-
Other		-	-	-
SUBTOTAL		2.5	1.6	4.1
Difficulty Allowance		-	-	-
SUBTOTAL		2.5	1.6	4.1
Decontamination Units Mobilization		1.0	1.0	2.0
SUBTOTAL		3.5	2.6	6.1
Contingency @ 15.00%		0.5	0.4	0.9
SUBTOTAL		4.0	3.0	7.0
Design Fee @ 10.00%		0.4	0.3	0.7
SUBTOTAL		4.4	3.3	7.7
Air Monitoring @ 10.00%***		0.4	0.4	0.8
TOTAL		4.8	3.7	8.5

*Amounts Are In Thousands Of Dollars

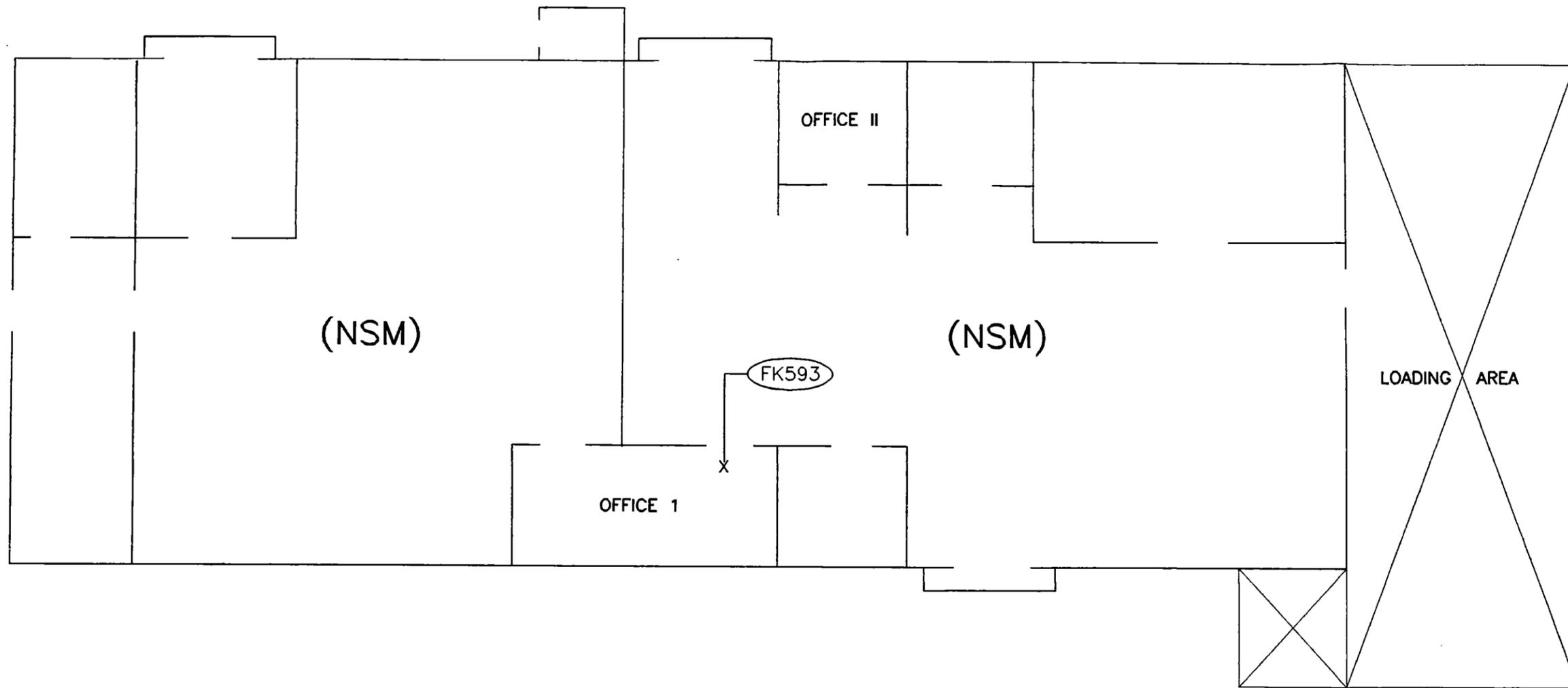
** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: OFFICE I

AREA 2: OFFICE II

2506-7



BLDG. 2506
NOT TO SCALE



(NSM) NO SUSPECT MAT'L.
 (FK593) POSITIVE SAMPLE
 (FK593) NEGATIVE SAMPLE



2529

SAFETY OFFICE

SAFETY OFFICE**2529.1 GENERAL**

Building 2529 was surveyed by WESTON technicians on 10 October 1991.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 4 samples of suspect material collected from the building. Of these samples, all 4 were found to be asbestos-containing materials (ACM). Table 2529.1 lists the analytical results for the bulk samples.

2529.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 2529 are presented in Table 2529.1. An area-by-area inventory of ACM is provided in Tables 2529.2 and 2529.3. "Other Asbestos-Containing Materials," listed in Table 2529.3, are materials that do not correspond to the standard caption categories listed in Table 2529.2. A prioritized listing of exposure assessments is presented in Table 2529.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 2529.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 2529.2 and 2529.5.

2529.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Asbestos-containing floor tile should be labeled under the O&M Program.

TABLE 2529.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 2529, SAFETY OFFICE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK589	WOODSHOP-GROUND FLR.	FLOOR TILE	BROWN,OTH,9X9 FL TL	5	-	-	NO
FK590	WOODSHOP-GROUND FLR.	DUPLICATE SAMPLE	BROWN,OTH,9X9 FL TL	5	-	-	NO
FK591	WOODSHOP-GROUND FLR.	FLOOR TILE	BLACK,OTH,9X9 FL TL	1	-	-	NO
FK592	1ST FLR. OFFICE	FLOOR TILE	TAN,OTH,9X9 FL TL	7	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 2529.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 2529, SAFETY OFFICE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
1ST FLR. OFFICE	-	-	-	-	-	-	-	-	-	1.76	-	-	-
CORRIDOR	-	-	-	-	-	-	-	-	-	0.09	-	-	-
MENS/LADIES ROOMS	-	-	-	-	-	-	-	-	-	0.25	-	-	-
WOODSHOP-GROUND FLR.	-	-	-	-	-	-	-	-	-	1.81	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	3.92	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

2529-4

Table 2529.3

Other Asbestos-Containing Material - Building 2529, Safety Office
Type Occupancy: Adults (Public)

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building		

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

2529-5



TABLE 2529.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 2529, SAFETY OFFICE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		

Only Non-Friable Material Was Detected In This Building
Exposure Assessments Are Not Available

2529-6

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 2529.5

COST ESTIMATE* - BUILDING 2529, SAFETY OFFICE

DESCRIPTION	UNIT COST (\$)	AREA 1	AREA 2	AREA 3	AREA 4	TOTAL
Pipe Fittings (EA)						
<4"	70.30	-	-	-	-	-
4-8"	85.80	-	-	-	-	-
9-14"	147.00	-	-	-	-	-
>14"	216.00	-	-	-	-	-
Pipe Runs (LF)						
<4"	26.50	-	-	-	-	-
4-8"	30.50	-	-	-	-	-
9-14"	42.50	-	-	-	-	-
>14"	60.80	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-
Floor Tile (SF)	5.60	9.9	0.5	1.4	10.1	21.9
Boilers/Tanks (SF)	37.90	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-
Other		-	-	-	-	-
SUBTOTAL		9.9	0.5	1.4	10.1	21.9
Difficulty Allowance		4.9	-	-	-	4.9
SUBTOTAL		14.8	0.5	1.4	10.1	26.9
Decontamination Units Mobilization		0.5	0.5	0.5	0.5	2.0
SUBTOTAL		15.3	1.0	1.9	10.6	28.9
Contingency @ 15.00%		2.3	0.2	0.3	1.6	4.3
SUBTOTAL		17.6	1.2	2.2	12.2	33.2
Design Fee @ 10.00%		1.8	0.1	0.2	1.2	3.3
SUBTOTAL		19.4	1.3	2.4	13.5	36.5
Air Monitoring @ 10.00%***		0.9	0.9	0.9	0.9	3.7
TOTAL		20.3	2.2	3.3	14.4	40.2

*Amounts Are In Thousands Of Dollars

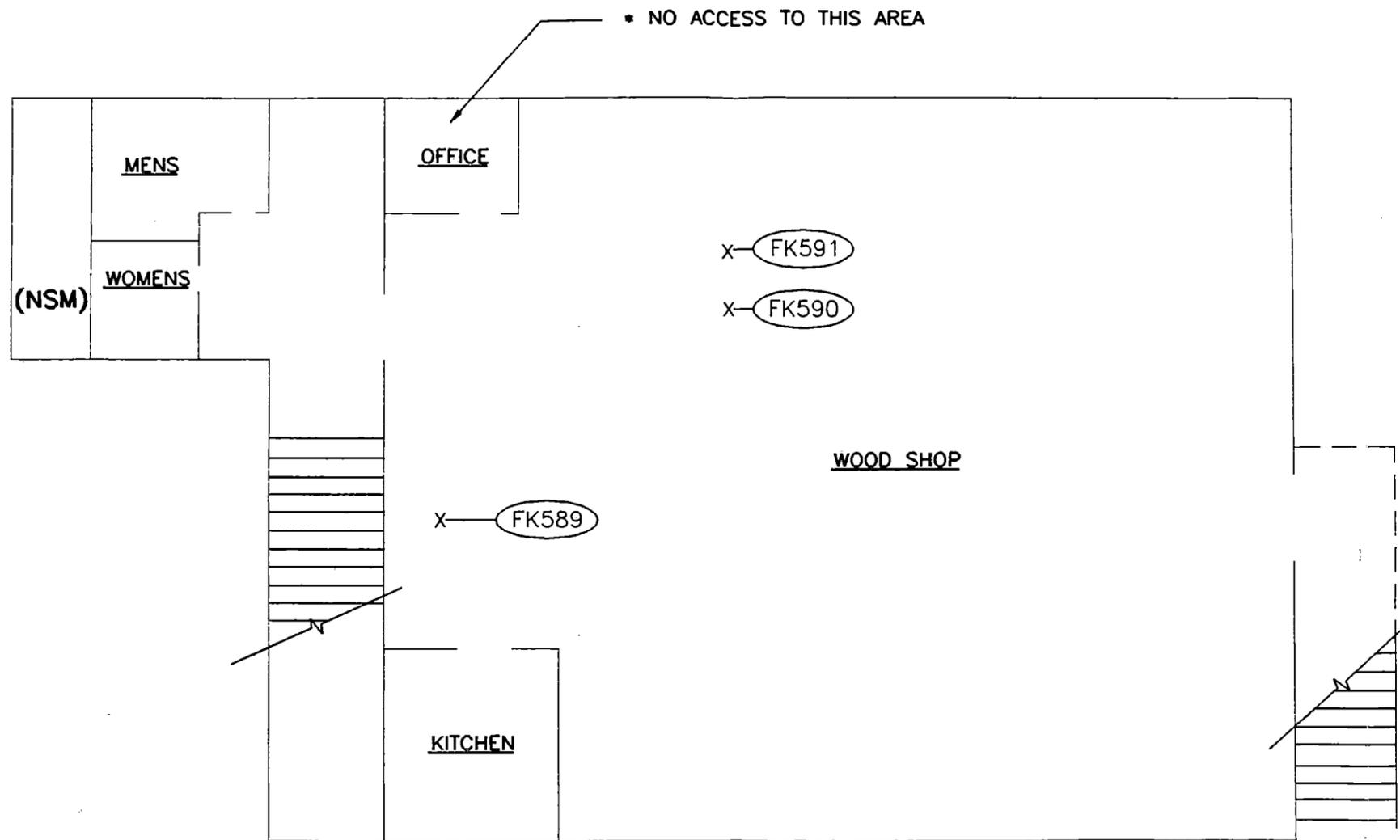
**Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

***The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: 1ST FLR. OFFICE
AREA 3: MENS/LADIES ROOMS

AREA 2: CORRIDOR
AREA 4: WOODSHOP-GROUND FLR.

2529-7



FE MIANTENANCE SHOP

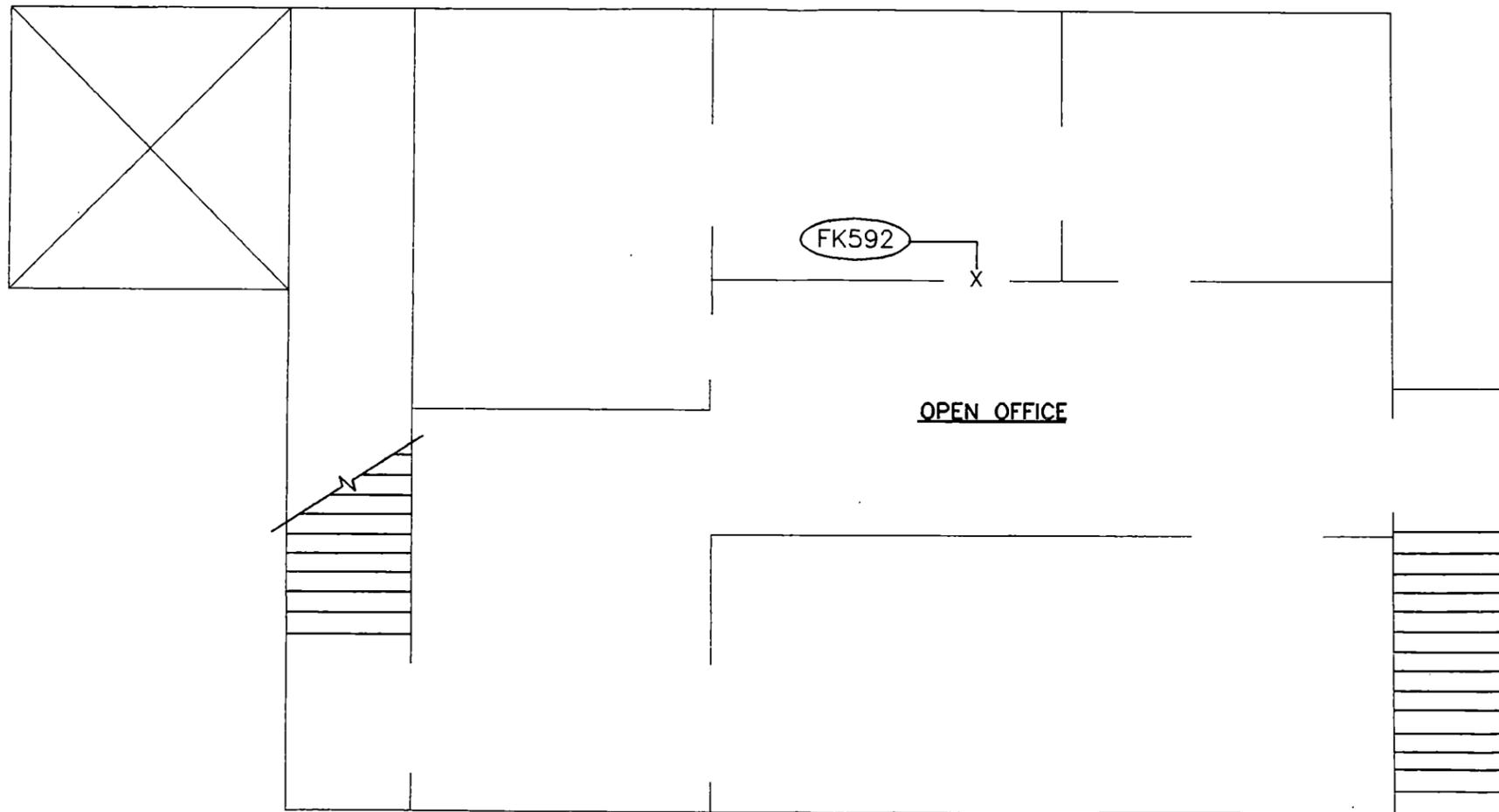
BLDG. 2529 - GROUND FLOOR

NOT TO SCALE



(NSM) NO SUSPECT MAT'L.
 (FHnn) POSITIVE SAMPLE
 [FHnn] NEGATIVE SAMPLE





SAFETY OFFICE

NOTE:

* NO SUSPECT MATERIAL FOUND
IN ATTIC AREA ABOVE.

BLDG. 2529 - 1st. FLOOR

NOT TO SCALE

NORTH



(NSM) NO SUSPECT MAT'L.
 (FHnn) POSITIVE SAMPLE
 (FHnn) NEGATIVE SAMPLE



2537

FIRING RANGE

FIRING RANGE

2537.1 GENERAL

Building 2537 was surveyed by WESTON technicians on 4 October 1991.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 4 samples of suspect material collected from the building. Of these samples, 2 were found to be asbestos-containing materials (ACM). Table 2537.1 lists the analytical results for the bulk samples.

2537.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 2537 are presented in Table 2537.1. An area-by-area inventory of ACM is provided in Tables 2537.2 and 2537.3. "Other Asbestos-Containing Materials," listed in Table 2537.3, are materials that do not correspond to the standard caption categories listed in Table 2537.2. A prioritized listing of exposure assessments is presented in Table 2537.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 2537.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 2537.2 and 2537.5.



2537.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Asbestos-containing floor tile should be labeled under the O&M Program.

TABLE 2537.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 2537, FIRING RANGE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^B
				CH	AM	OT	
FK608	LOBBY	FLOOR TILE	BLACK,OTH,12X12 FLTL	7	-	-	NO
FK609	WOMENS ROOM	CEILING TILE	WHITE,OTH,CEIL. TILE	-	-	-	YES
FK610	FIRING RANGE	ACOUSTICAL WALL TILE	BROWN,OTH,WALL TILE	-	-	-	YES
FK611	OFFICE	FLOOR TILE	GRAY,OTH,12X12 FLTL	2	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 2537.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 2537, FIRING RANGE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
LOBBY	-	-	-	-	-	-	-	-	-	0.80	-	-	-
MENS ROOM	-	-	-	-	-	-	-	-	-	0.05	-	-	-
OFFICE	-	-	-	-	-	-	-	-	-	0.21	-	-	-
WOMENS ROOM	-	-	-	-	-	-	-	-	-	0.04	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	1.10	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

2537-4

Table 2537.3

Other Asbestos-Containing Material - Building 2537, Firing Range
Type Occupancy: Adults (Public)

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building		

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

2537-5



TABLE 2537.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 2537, FIRING RANGE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK609	MENS ROOM	CEILING TILE	A	0	2	1	1	1	2	10.00	0
FK609	WOMENS ROOM	CEILING TILE	A	0	2	1	1	1	2	10.00	0
FK610	CLASSROOM	ACOUSTICAL WALL TILE	A	0	2	2	1	2	10	20.00	0
FK610	FIRING RANGE	ACOUSTICAL WALL TILE	A	0	2	2	1	2	10	20.00	0
FK610	LOADING AREA	ACOUSTICAL WALL TILE	A	0	2	2	1	2	10	20.00	0

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 2537.5

COST ESTIMATE* - BUILDING 2537, FIRING RANGE

2537-7

DESCRIPTION	UNIT COST (\$)	AREA 1	AREA 2	AREA 3	AREA 4	TOTAL
Pipe Fittings (EA)						
<4"	70.30	-	-	-	-	-
4-8"	85.80	-	-	-	-	-
9-14"	147.00	-	-	-	-	-
>14"	216.00	-	-	-	-	-
Pipe Runs (LF)						
<4"	26.50	-	-	-	-	-
4-8"	30.50	-	-	-	-	-
9-14"	42.50	-	-	-	-	-
>14"	60.80	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-
Floor Tile (SF)	5.60	4.5	0.3	1.2	0.2	6.1
Boilers/Tanks (SF)	37.90	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-
Other		-	-	-	-	-
SUBTOTAL		4.5	0.3	1.2	0.2	6.1
Difficulty Allowance		-	-	-	-	-
SUBTOTAL		4.5	0.3	1.2	0.2	6.1
Decontamination Units Mobilization		0.5	0.5	0.5	0.5	2.0
SUBTOTAL		5.0	0.8	1.7	0.7	8.1
Contingency @ 15.00%		0.7	0.1	0.3	0.1	1.2
SUBTOTAL		5.7	0.9	1.9	0.8	9.4
Design Fee @ 10.00%		0.6	**	0.2	**	0.9
SUBTOTAL		6.3	1.0	2.1	0.9	10.3
Air Monitoring @ 10.00%***		0.3	0.3	0.3	0.3	1.0
TOTAL		6.5	1.2	2.4	1.2	11.3

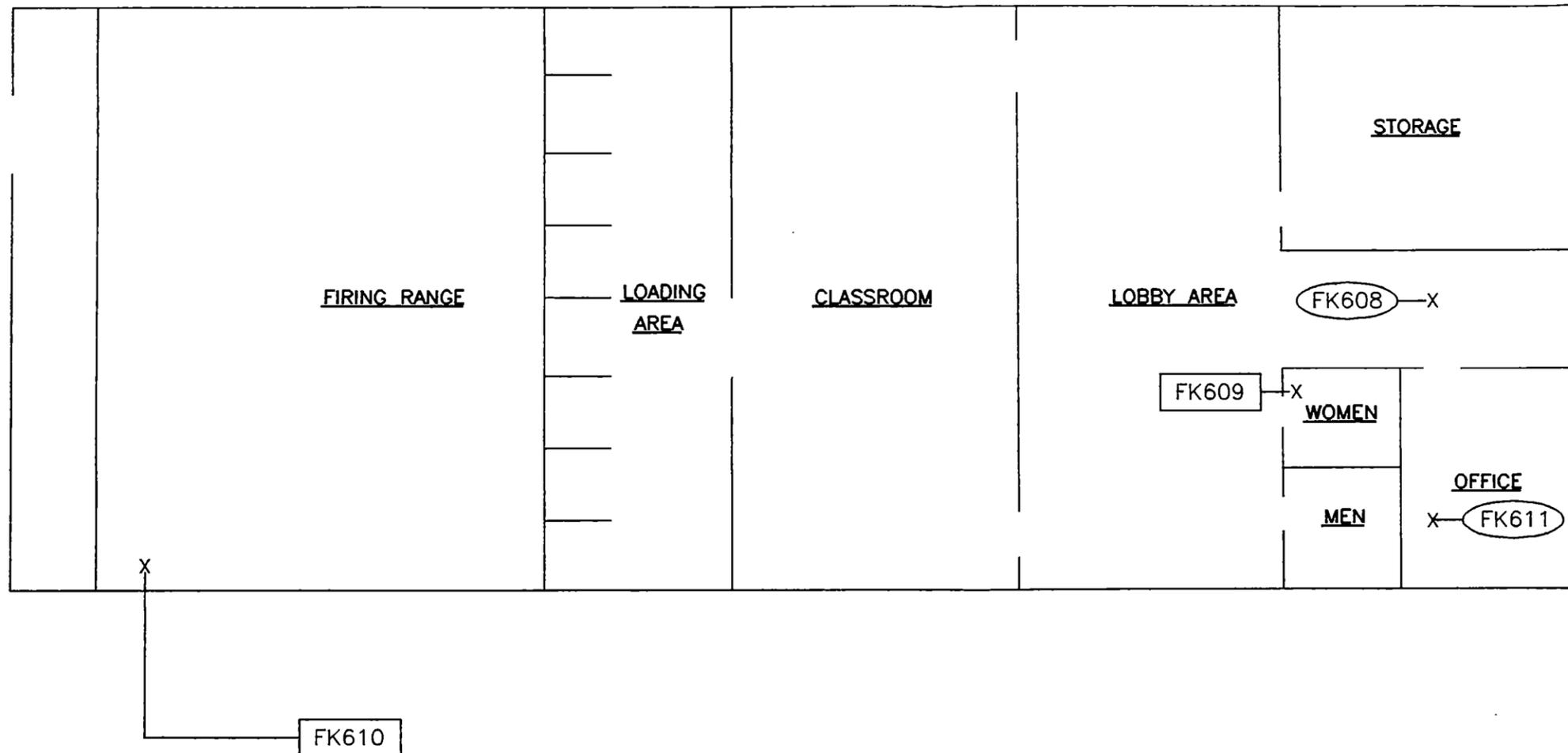
*Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

***The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: LOBBY
AREA 3: OFFICE

AREA 2: MENS ROOM
AREA 4: WOMENS ROOM



BLDG. 2537
NOT TO SCALE



(NSM) NO SUSPECT MAT'L.
 (FHnn) POSITIVE SAMPLE
 [FHnn] NEGATIVE SAMPLE





2539

ADMINISTRATION BUILDING R&D



2539

ADMINISTRATION BUILDING R&D

2539.1 GENERAL

Building 2539 was surveyed by WESTON technicians on 10 October 1991.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze four samples of suspect material collected from the building. Of these samples, one was found to be asbestos-containing material (ACM). Table 2539.1 lists the analytical results for the bulk samples.

2539.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 2539 are presented in Table 2539.1. An area-by-area inventory of ACM is provided in Tables 2539.2 and 2539.3. "Other Asbestos-Containing Materials," listed in Table 2539.3, are materials that do not correspond to the standard caption categories listed in Table 2539.2. A prioritized listing of exposure assessments is presented in Table 2539.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 2539.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 2539.2 and 2539.5.

2539.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Asbestos-containing floor tile located underneath a non-ACM floor tile should be labeled under the O&M Program.

TABLE 2539.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 2539, ADMIN. BLDG. R&D

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK586	OPEN OFFICE AREA	CEILING TILE	WHITE,OTH,CEIL. TILE	-	-	-	NO
FK587	OPEN OFFICE AREA	FLOOR TILE	TAN,OTH,12X12 FLTL	-	-	-	NO
FK588	MECHANICAL ROOM	EXPANSION JOINT(S)	GRAY,OTH,EXP. CLOTH	-	-	-	NO
GT096	OPEN OFFICE AREA	FLOOR TILE	GREEN,OTH,9X9 FL.TL.	7	-	-	YES

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 2539.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 2539, ADMIN. BLDG. R&D

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
OPEN OFFICE AREA	-	-	-	-	-	-	-	-	-	5.38	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	5.38	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

2539-4

Table 2539.3

**Other Asbestos-Containing Material - Building 2539, Administration Building R&D
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building		

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

2539-5

TABLE 2539.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 2539, ADMIN. BLDG. R&D

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK586	OPEN OFFICE AREA	CEILING TILE	A	0	3	1	1	1	25	40.00	0
FK588	MECHANICAL ROOM	EXPANSION JOINTS	A	0	1	1	1	1	1	1.00	0

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

2539-6

TABLE 2539.5

COST ESTIMATE* - BUILDING 2539, ADMIN. BLDG. R&D

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	82.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	42.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	30.1	30.1
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		-	-
SUBTOTAL		30.1	30.1
Difficulty Allowance		45.2	45.2
SUBTOTAL		75.3	75.3
Decontamination Units Mobilization		2.0	2.0
SUBTOTAL		77.3	77.3
Contingency @ 15.00%		11.6	11.6
SUBTOTAL		88.9	88.9
Design Fee @ 10.00%		8.9	8.9
SUBTOTAL		97.8	97.8
Air Monitoring @ 10.00%***		9.8	9.8
TOTAL		107.6	107.6

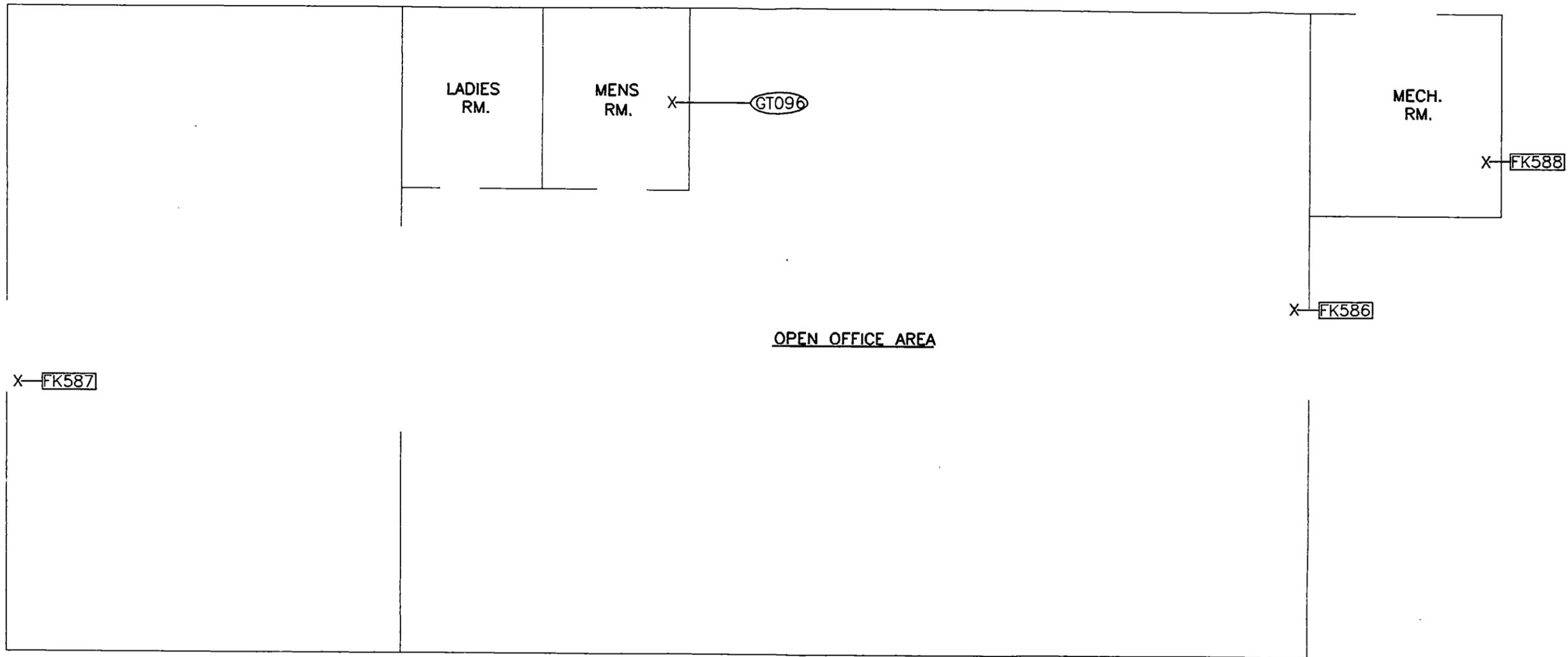
*Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: OPEN OFFICE AREA

2539-7



BLDG. 2539
NOT TO SCALE



(NSM) NO SUSPECT MAT'L.
 (FHnnn) POSITIVE SAMPLE
 [FHnnn] NEGATIVE SAMPLE





2705

EW/RSTA



2705

EW/RSTA

2705.1 GENERAL

Building 2705 was surveyed by WESTON technicians on 20 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 9 samples of suspect material collected from the building. Of these samples, 2 were found to be asbestos-containing material (ACM). Table 2705.1 lists the analytical results for the bulk samples.

2705.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 2705 are presented in Table 2705.1. An area-by-area inventory of ACM is provided in Tables 2705.2 and 2705.3. "Other Asbestos-Containing Materials," listed in Table 2705.3, are materials that do not correspond to the standard caption categories listed in Table 2705.2. A prioritized listing of exposure assessments is presented in Table 2705.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 2705.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 2705.2 and 2705.5.

2705.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- The mechanical room in Building 2705 qualifies for the Army Asbestos Deficiency Abatement Project (AADAP).
- Asbestos-containing floor tile should be labeled under the O&M Program.

TABLE 2705.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 2705, EW/RSTA

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK678	MECH ROOM	BOILERS/TANKS	WHITE,OTH,TANK INSUL	-	-	-	NO
FK679	MECH ROOM	<4" PIPE FITTING	WHITE,UNK,<4IN. FIT	-	-	-	YES
FK680	MECH ROOM	BOILERS/TANKS	WHITE,OTH,TANK INSUL	-	-	-	NO
FK681	MECH ROOM	<4" PIPE RUN	WHITE,UNK,<4IN. RUN	15	-	-	YES
FK682	FIRST FLR. HALLWAY	FLOOR TILE	TAN,OTH,12X12 FTTL	1	-	-	YES
FK683	FIRST FLR. HALLWAY	OTHER MATERIAL	BROWN,OTH,FLR STRIP	-	-	-	YES
FK684	STAGING AREA 1ST FLR	FLOOR TILE	TAN,OTH,12X12 FTTL	-	-	-	NO
FK685	ROOM 205	ACOUSTICAL WALL TILE	WHITE,OTH,ACOUS.TILE	-	-	-	YES
FK686	ROOM 306	ACOUSTICAL WALL TILE	WHITE,OTH,ACOUS.TILE	-	-	-	YES

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 2705.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 2705, EW/RSTA

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
AREA 1	-	-	-	-	-	-	-	-	-	4.90	-	-	-
AREA 2	-	-	-	-	-	-	-	-	-	3.30	-	-	-
AREA 3	-	-	-	-	-	-	-	-	-	4.90	-	-	-
AREA 4	-	-	-	-	-	-	-	-	-	2.45	-	-	-
AREA 5	-	-	-	-	-	-	-	-	-	4.90	-	-	-
EAST WALL OFFICES	-	-	-	-	-	-	-	-	-	1.80	-	-	-
FIRST FLR. HALLWAY	-	-	-	-	-	-	-	-	-	8.43	-	-	-
MECH ROOM	-	-	-	-	110	-	-	-	-	-	-	-	-
NORTH WALL OFFICES	-	-	-	-	-	-	-	-	-	3.46	-	-	-
SOUTH WALL OFFICES	-	-	-	-	-	-	-	-	-	3.46	-	-	-
WEST WALL OFFICES	-	-	-	-	-	-	-	-	-	1.80	-	-	-
TOTALS	-	-	-	-	110	-	-	-	-	39.40	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

2705-4

Table 2705.3

**Other Asbestos-Containing Material - Building 2705, EW/RSTA
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building		

- EA - Each
- LF - Linear Feet
- MSF - Thousand Square Feet

2705-5

TABLE 2705.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 2705, EW/RSTA

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK681	MECH ROOM	<4" PIPE RUN	C	4.250E04	3	3	2	3	1	10.00	15
FK678	MECH ROOM	BOILERS/TANKS	A	0	3	3	2	3	1	10.00	0
FK679	MECH ROOM	<4" PIPE FITTING	A	0	3	3	2	3	1	10.00	0
FK680	MECH ROOM	BOILERS/TANKS	A	0	3	3	2	3	1	10.00	0
FK680	MECH ROOM	BOILERS/TANKS	A	0	3	3	2	3	1	10.00	0
FK685	ROOM 205	ACOUSTICAL WALL TILE	A	0	3	3	2	3	1	10.00	0
FK686	ROOM 306	ACOUSTICAL WALL TILE	A	0	3	3	2	3	1	10.00	0

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

2705-6

TABLE 2705.5

COST ESTIMATE* - BUILDING 2705, EW/RSTA

DESCRIPTION	UNIT COST (\$)	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	AREA 6	AREA 7	AREA 8	AREA 9	AREA 10	AREA 11
Pipe Fittings (EA)												
<4"	70.30	-	-	-	-	-	-	-	-	-	-	-
4-8"	85.80	-	-	-	-	-	-	-	-	-	-	-
9-14"	147.00	-	-	-	-	-	-	-	-	-	-	-
>14"	216.00	-	-	-	-	-	-	-	-	-	-	-
Pipe Runs (LF)												
<4"	26.50	-	-	-	-	-	-	-	2.9	-	-	-
4-8"	30.50	-	-	-	-	-	-	-	-	-	-	-
9-14"	42.50	-	-	-	-	-	-	-	-	-	-	-
>14"	60.80	-	-	-	-	-	-	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-	-	-	-	-	-	-
Floor Tile (SF)	5.60	27.4	18.5	27.4	13.7	27.4	10.1	47.2	-	19.4	19.4	10.1
Boilers/Tanks (SF)	37.90	-	-	-	-	-	-	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		27.4	18.5	27.4	13.7	27.4	10.1	47.2	2.9	19.4	19.4	10.1
Difficulty Allowance	-	-	-	-	-	-	-	-	1.5	-	-	-
SUBTOTAL		27.4	18.5	27.4	13.7	27.4	10.1	47.2	4.4	19.4	19.4	10.1
Decontamination Units Mobilization		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
SUBTOTAL		28.2	19.2	28.2	14.4	28.2	10.8	47.9	5.1	20.1	20.1	10.8
Contingency @ 15.00%		4.2	2.9	4.2	2.2	4.2	1.6	7.2	0.8	3.0	3.0	1.6
SUBTOTAL		32.4	22.1	32.4	16.6	32.4	12.4	55.1	5.9	23.1	23.1	12.4
Design Fee @ 10.00%		3.2	2.2	3.2	1.7	3.2	1.2	5.5	0.6	2.3	2.3	1.2
SUBTOTAL		35.6	24.3	35.6	18.3	35.6	13.7	60.6	6.5	25.4	25.4	13.7
Air Monitoring @ 10.00%***		2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
TOTAL		38.3	27.0	38.3	21.0	38.3	16.4	63.3	9.1	28.1	28.1	16.4

*Amounts Are In Thousands Of Dollars

**Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

***The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: AREA 1
 AREA 3: AREA 3
 AREA 5: AREA 5
 AREA 7: FIRST FLR. HALLWAY
 AREA 9: NORTH WALL OFFICES
 AREA 11: WEST WALL OFFICES

AREA 2: AREA 2
 AREA 4: AREA 4
 AREA 6: EAST WALL OFFICES
 AREA 8: MECH ROOM
 AREA 10: SOUTH WALL OFFICES

2705-7

TABLE 2705.5
(continued)

COST ESTIMATE* - BUILDING 2705, EW/RSTA

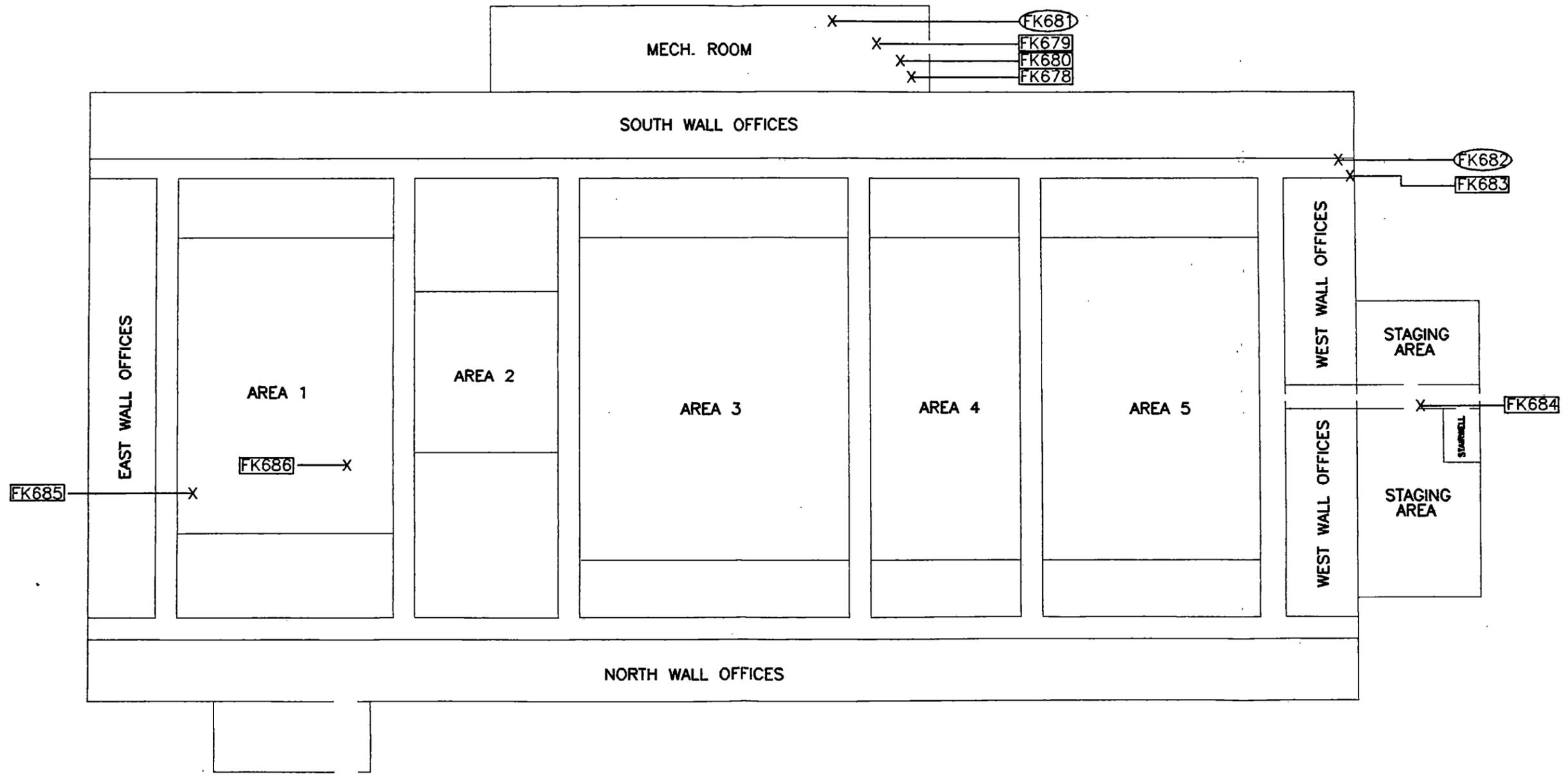
DESCRIPTION	UNIT COST (\$)	TOTAL
Pipe Fittings (EA)		
<4"	70.30	-
4-8"	85.80	-
8-14"	147.00	-
>14"	216.00	-
Pipe Runs (LF)		
<4"	26.50	2.9
4-8"	30.50	-
8-14"	30.50	-
>14"	60.80	-
Sprayed/Troweled Ceilings (SF)	9.60	-
Floor Tile (SF)	5.60	220.6
Boilers/Tanks (SF)	37.90	-
Air Handling Equipment (SF)	20.00	-
Other		-
SUBTOTAL		223.6
Difficulty Allowance		1.5
SUBTOTAL		225.0
Decontamination Units Mobilization		6.0 2.0
SUBTOTAL		233.0
Contingency @ 15.00%		35.0
SUBTOTAL		268.0
Design Fee @ 10.00%		26.8
SUBTOTAL		294.8
Air Monitoring @ 10.00%***		29.5
TOTAL		324.2

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

2705-8



BLDG. 2705
NOT TO SCALE



(FHnn) POSITIVE SAMPLE
 [FHnn] NEGATIVE SAMPLE
WESTON
 MANAGERS DESIGNERS/CONSULTANTS



3028

PINE BROOK HOUSING

PINE BROOK HOUSING

3028.1 GENERAL

Building 3028 was surveyed by WESTON technicians on 18 October 1991.

The first three portions of this facility report summarize the results of this inspection. Photographs of some sample locations are provided in Section 3028.4

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 9 samples of suspect material collected from the building. Of these samples, 6 were found to be asbestos-containing materials (ACM). Table 3028.1 lists the analytical results for the bulk samples.

3028.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 3028 are presented in Table 3028.1. An area-by-area inventory of ACM is provided in Tables 3028.2 and 3028.3. "Other Asbestos-Containing Materials," listed in Table 3028.3, are materials that do not correspond to the standard caption categories listed in Table 3028.2. A prioritized listing of exposure assessments is presented in Table 3028.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 3028.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 3028.2 and 3028.5.

3028.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Asbestos-containing floor tile and pipe run and pipe fitting insulation should be labeled under the O&M Program.

TABLE 3028.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 3028, PINE BROOK HOUSING

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK632	UNIT 184-LIVING ROOM	FLOOR TILE	BROWN,OTH,12X12 FLTL	2	-	-	NO
FK633	UNIT 184-KITCHEN	FLOOR TILE	GRAY,OTH,12X12 FLTL	-	-	-	NO
FK634	UNIT 182-KITCHEN	FLOOR TILE	GRAY,OTH,FLR. STRIP	-	-	-	NO
FK635	UNIT 164-KITCHEN	FLOOR TILE	TAN,OTH,9X9 FL TL	1	-	-	NO
FK636	UNIT 152-KITCHEN	DEBRIS	GRAY,OTH,DEBRIS	-	-	-	NO
FK637	CRAWLSPACE	<4" PIPE FITTING	GRAY,UNK,<4IN. FIT.	30	-	-	NO
FK638	CRAWLSPACE	<4" PIPE RUN	GRAY,OTH,<4IN. RUN	40	-	-	NO
FK639	CRAWLSPACE	4-8" PIPE FITTING	GRAY,UNK,4-8IN. FIT	20	-	-	NO
FK640	CRAWLSPACE	4-8" PIPE RUN	GRAY,UNK,4-8IN. RUN	30	-	-	YES

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 3028.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 3028, PINE BROOK HOUSING

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
CRAWLSPACE	290	80	-	-	1000	1280	-	-	-	-	-	-	-
UNIT 150-LIVING/DIN.	-	-	-	-	-	-	-	-	-	0.26	-	-	-
UNIT 152-LIVING/DIN.	-	-	-	-	-	-	-	-	-	0.26	-	-	-
UNIT 154-LIVING/DIN.	-	-	-	-	-	-	-	-	-	0.52	-	-	-
UNIT 156-LIVING/DIN.	-	-	-	-	-	-	-	-	-	0.40	-	-	-
UNIT 160-LIVING/DIN.	-	-	-	-	-	-	-	-	-	0.26	-	-	-
UNIT 162-LIVING/DIN.	-	-	-	-	-	-	-	-	-	0.26	-	-	-
UNIT 164-KITCHEN	-	-	-	-	-	-	-	-	-	0.09	-	-	-
UNIT 164-LIVING/DIN.	-	-	-	-	-	-	-	-	-	0.26	-	-	-
UNIT 166-KITCHEN	-	-	-	-	-	-	-	-	-	0.03	-	-	-
UNIT 166-LIVING/DIN.	-	-	-	-	-	-	-	-	-	0.40	-	-	-
UNIT 168-LIVING/DIN.	-	-	-	-	-	-	-	-	-	0.40	-	-	-
UNIT 170-LIVING/DIN.	-	-	-	-	-	-	-	-	-	0.26	-	-	-
UNIT 172-LIVING/DIN.	-	-	-	-	-	-	-	-	-	0.26	-	-	-
UNIT 174-LIVING/DIN.	-	-	-	-	-	-	-	-	-	0.26	-	-	-
UNIT 176-LIVING/DIN.	-	-	-	-	-	-	-	-	-	0.62	-	-	-
UNIT 180-KITCHEN	-	-	-	-	-	-	-	-	-	0.09	-	-	-
UNIT 182-LIVING ROOM	-	-	-	-	-	-	-	-	-	0.26	-	-	-
UNIT 184-LIVING ROOM	-	-	-	-	-	-	-	-	-	0.26	-	-	-
TOTALS	290	80	-	-	1000	1280	-	-	-	5.13	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

3028-4

Table 3028.3

**Other Asbestos-Containing Material - Building 3028, Pine Brook Housing
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building		

- EA - Each
- LF - Linear Feet
- MSF - Thousand Square Feet

3028-5

TABLE 3028.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 3028, PINE BROOK HOUSING

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK638	CRAWLSPACE	<4" PIPE RUN	A	4.050E-1	3	1	2	1	1	1.00	40
FK638	CRAWLSPACE	<4" PIPE RUN	A	4.050E-1	3	1	2	1	1	1.00	40
FK637	CRAWLSPACE	<4" PIPE FITTING	A	1.450E-1	3	1	2	1	1	1.00	30
FK637	CRAWLSPACE	<4" PIPE FITTING	A	1.450E-1	3	1	2	1	1	1.00	30
FK639	CRAWLSPACE	4-8" PIPE FITTING	A	1.450E-1	3	1	2	1	1	1.00	20
FK639	CRAWLSPACE	4-8" PIPE FITTING	A	1.450E-1	3	1	2	1	1	1.00	20
FK640	CRAWLSPACE	4-8" PIPE RUN	A	1.450E-1	3	1	2	1	1	1.00	30
FK640	CRAWLSPACE	4-8" PIPE RUN	A	1.450E-1	3	1	2	1	1	1.00	30
FK636	UNIT 152-KITCHEN	DEBRIS	A	0	3	3	2	1	2	40.00	0

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 3028.5

COST ESTIMATE* - BUILDING 3028, PINE BROOK HOUSING

DESCRIPTION	UNIT COST (\$)	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	AREA 6	AREA 7	AREA 8	AREA 9	AREA 10	AREA 11
Pipe Fittings (EA)												
<4"	70.30	20.4	-	-	-	-	-	-	-	-	-	-
4-8"	85.80	6.9	-	-	-	-	-	-	-	-	-	-
9-14"	147.00	-	-	-	-	-	-	-	-	-	-	-
>14"	216.00	-	-	-	-	-	-	-	-	-	-	-
Pipe Runs (LF)												
<4"	26.50	26.5	-	-	-	-	-	-	-	-	-	-
4-8"	30.50	39.0	-	-	-	-	-	-	-	-	-	-
9-14"	42.50	-	-	-	-	-	-	-	-	-	-	-
>14"	60.80	-	-	-	-	-	-	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-	-	-	-	-	-	-
Floor Tile (SF)	5.60	-	1.5	1.5	2.9	2.2	1.5	1.5	0.5	1.5	0.2	2.2
Boilers/Tanks (SF)	37.90	-	-	-	-	-	-	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		92.8	1.5	1.5	2.9	2.2	1.5	1.5	0.5	1.5	0.2	2.2
Difficulty Allowance		9.6	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		102.4	1.5	1.5	2.9	2.2	1.5	1.5	0.5	1.5	0.2	2.2
Decontamination Units Mobilization		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
SUBTOTAL		102.5	1.6	1.6	3.0	2.3	1.6	1.6	0.6	1.6	0.3	2.3
Contingency @ 15.00%		15.4	0.2	0.2	0.5	0.3	0.2	0.2	**	0.2	**	0.3
SUBTOTAL		117.8	1.8	1.8	3.5	2.7	1.8	1.8	0.7	1.8	0.3	2.7
Design Fee @ 10.00%		11.8	0.2	0.2	0.3	0.3	0.2	0.2	**	0.2	**	0.3
SUBTOTAL		129.6	2.0	2.0	3.8	2.9	2.0	2.0	0.8	2.0	0.3	2.9
Air Monitoring @ 10.00%***		0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
TOTAL		130.5	2.9	2.9	4.7	3.8	2.9	2.9	1.7	2.9	1.2	3.8

3028-7

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: CRAWLSPACE
 AREA 3: UNIT 152-LIVING/DIN.
 AREA 5: UNIT 156-LIVING/DIN.
 AREA 7: UNIT 162-LIVING/DIN.
 AREA 9: UNIT 164-LIVING/DIN.
 AREA 11: UNIT 166-LIVING/DIN.

AREA 2: UNIT 150-LIVING/DIN.
 AREA 4: UNIT 154-LIVING/DIN.
 AREA 6: UNIT 160-LIVING/DIN.
 AREA 8: UNIT 164-KITCHEN
 AREA 10: UNIT 166-KITCHEN

TABLE 3028.5
(continued)

COST ESTIMATE* - BUILDING 3028, PINE BROOK HOUSING

DESCRIPTION	UNIT COST (\$)	AREA 12	AREA 13	AREA 14	AREA 15	AREA 16	AREA 17	AREA 18	AREA 19	TOTAL
Pipe Fittings (EA)										
<4"	70.30	-	-	-	-	-	-	-	-	20.6
4-8"	85.80	-	-	-	-	-	-	-	-	8.9
9-14"	147.00	-	-	-	-	-	-	-	-	-
>14"	216.00	-	-	-	-	-	-	-	-	-
Pipe Runs (LF)										
<4"	26.50	-	-	-	-	-	-	-	-	26.5
4-8"	30.50	-	-	-	-	-	-	-	-	39.0
9-14"	42.50	-	-	-	-	-	-	-	-	-
>14"	60.80	-	-	-	-	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-	-	-	-	-
Floor Tile (SF)	5.60	2.2	1.5	1.5	1.5	3.4	0.5	1.5	1.5	28.7
Boilers/Tanks (SF)	37.90	-	-	-	-	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-
SUBTOTAL		2.2	1.5	1.5	1.5	3.4	0.5	1.5	1.5	121.5
Difficulty Allowance		-	-	-	-	-	-	-	-	9.6
SUBTOTAL		2.2	1.5	1.5	1.5	3.4	0.5	1.5	1.5	131.1
Decontamination Units Mobilization		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.0
SUBTOTAL		2.3	1.6	1.6	1.6	3.5	0.6	1.6	1.6	133.1
Contingency @ 15.00%		0.3	0.2	0.2	0.2	0.5	**	0.2	0.2	20.0
SUBTOTAL		2.7	1.8	1.8	1.8	4.1	0.7	1.8	1.8	153.1
Design Fee @ 10.00%		0.3	0.2	0.2	0.2	0.4	**	0.2	0.2	15.3
SUBTOTAL		2.9	2.0	2.0	2.0	4.5	0.8	2.0	2.0	168.4
Air Monitoring @ 10.00%***		0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	16.8
TOTAL		3.8	2.9	2.9	2.9	5.4	1.7	2.9	2.9	185.2

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 12: UNIT 168-LIVING/DIN.
AREA 12: UNIT 175-LIVING/DIN.
AREA 18: UNIT 169-LIVING/DIN.
AREA 18: UNIT 182-LIVING ROOM

AREA 13: UNIT 170-LIVING/DIN.
AREA 15: UNIT 172-LIVING/DIN.
AREA 17: UNIT 160-KITCHEN
AREA 19: UNIT 184-LIVING ROOM

3028-8

3028.4

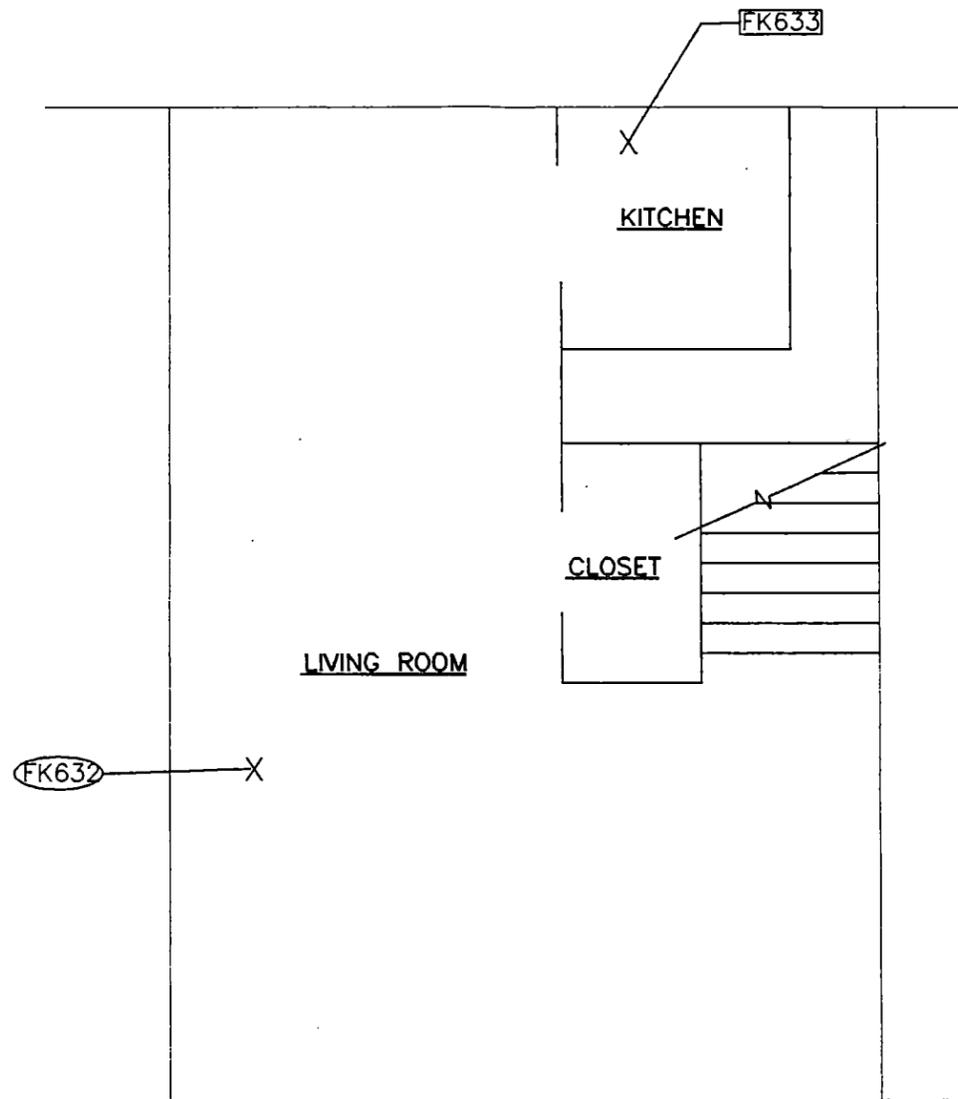
PHOTOGRAPHS



Bldg. 3028 - Crawlspace: Less Than 4" Fitting Sample FK637 Tested Positive.



Bldg. 3028 - Crawlspace: 4" - 8" Fitting Sample FK639 Tested Positive.

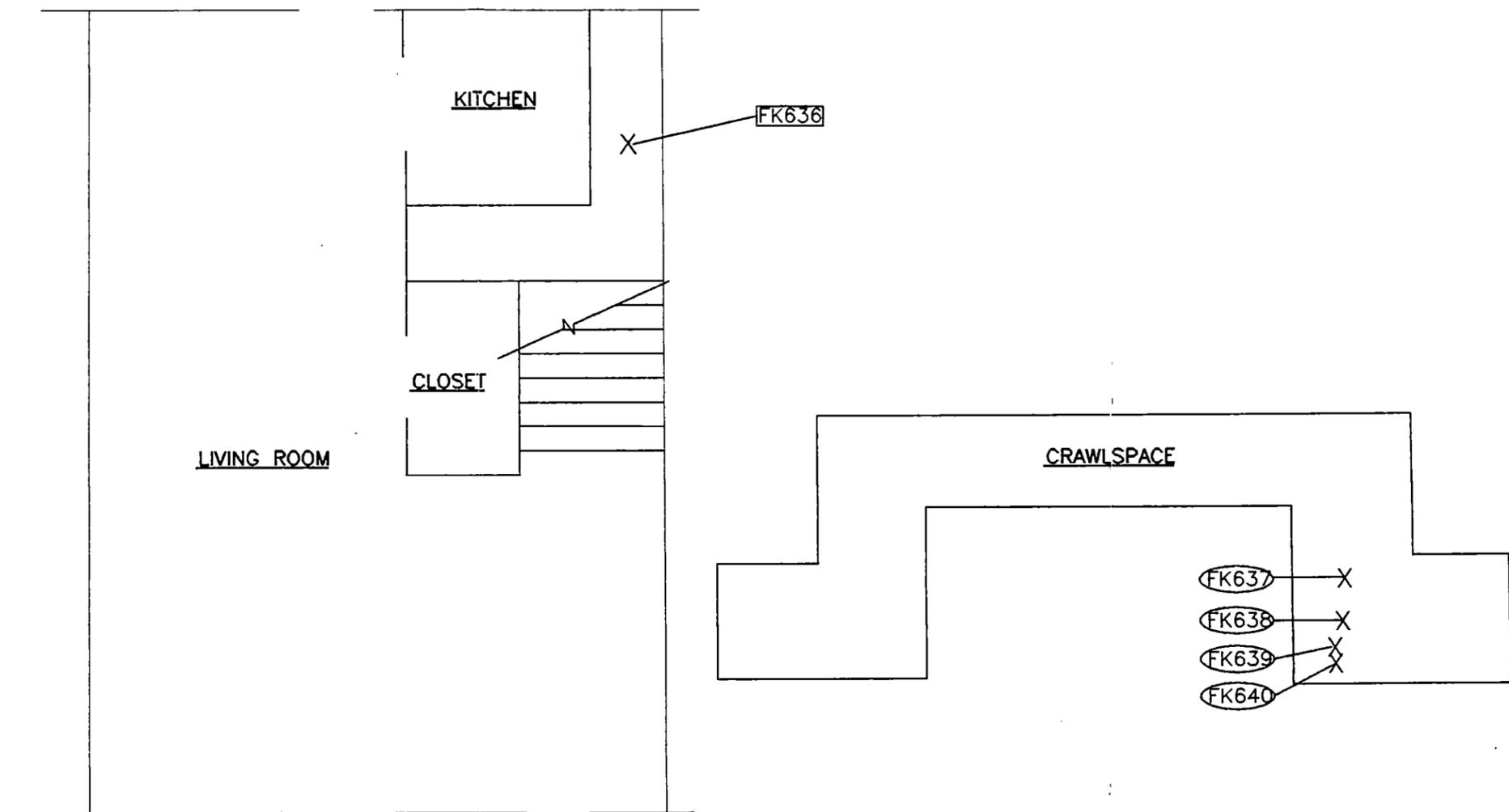


(UNIT 184)
BLDG. 3028
 NOT TO SCALE



(NSM) NO SUSPECT MAT'L.
 (FHnn) POSITIVE SAMPLE
 [FHnn] NEGATIVE SAMPLE



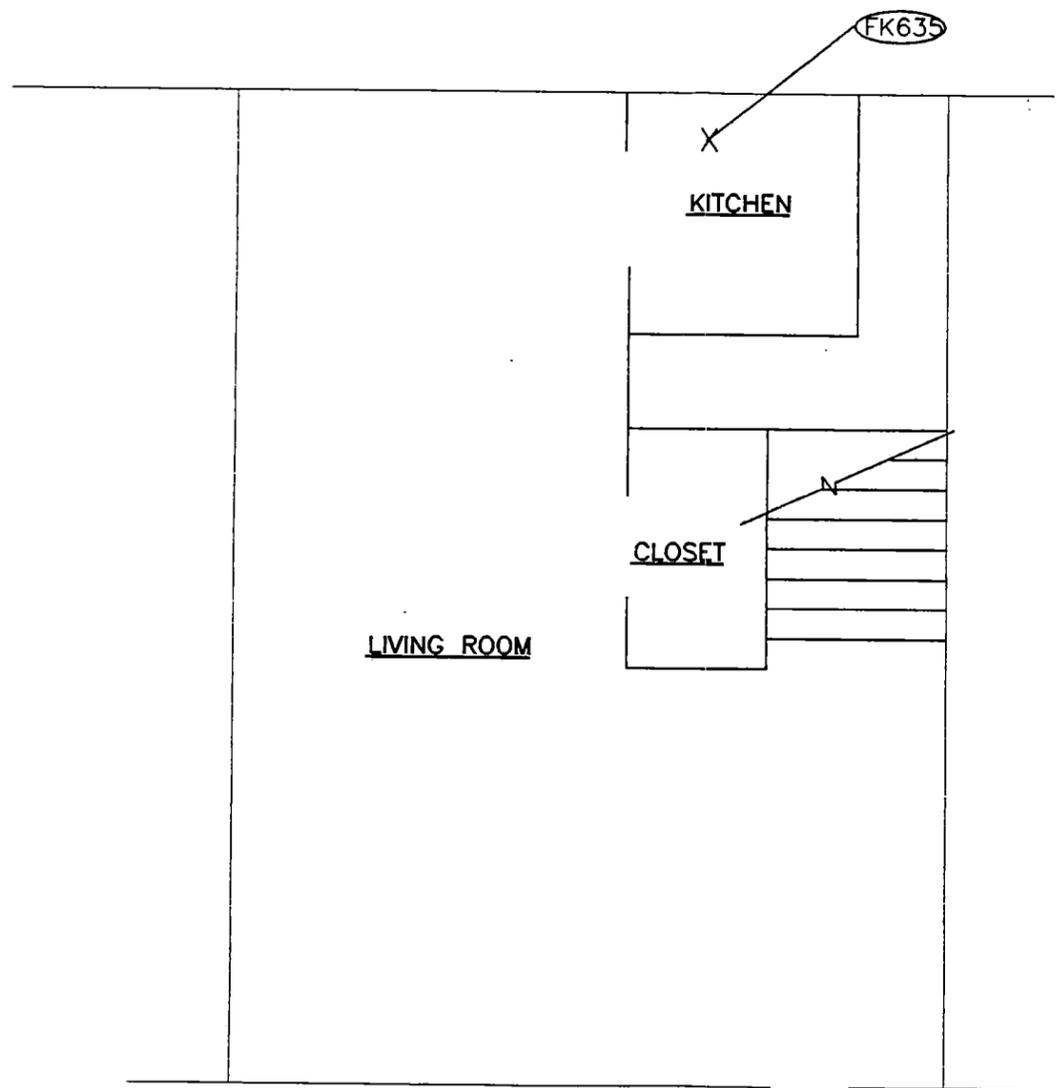


(UNIT 152)
 BLDG. 3028
 NOT TO SCALE



(NSM) NO SUSPECT MAT'L.
 (FHnn) POSITIVE SAMPLE
 [FHnn] NEGATIVE SAMPLE



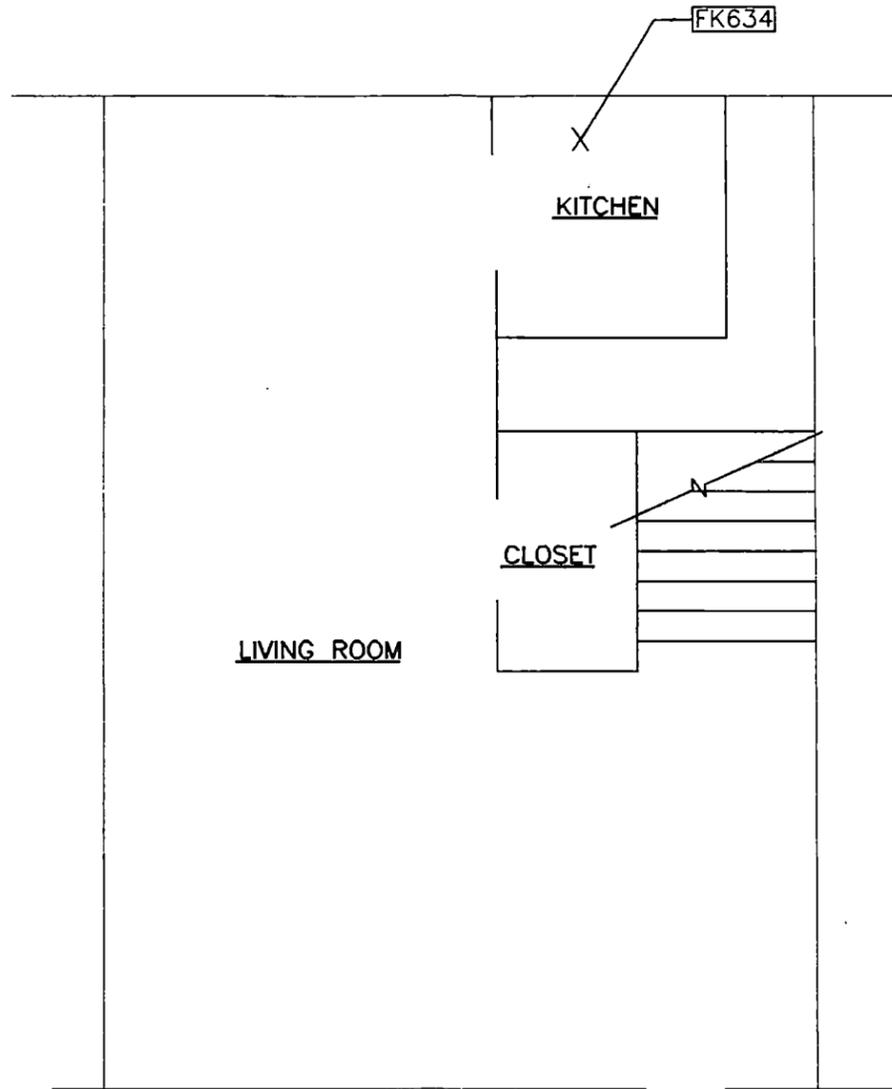


(UNIT 164)
BLDG. 3028
 NOT TO SCALE



(NSM) NO SUSPECT MAT'L.
 (FHnn) POSITIVE SAMPLE
 (FHnn) NEGATIVE SAMPLE





(UNIT 182)
 BLDG. 3028
 NOT TO SCALE



(NSM) NO SUSPECT MAT'L.
 (FHnnn) POSITIVE SAMPLE
 (FHnnn) NEGATIVE SAMPLE



8000

GEODESIC DOME



8000

GEODESIC DOME

8000.1 GENERAL

Building 8000 was surveyed by WESTON technicians on 27 March 1992. No suspect asbestos-containing material (ACM) was found in the building.

8000.2 CONCLUSION

Based on the survey performed in Building 8000, WESTON concludes that Building 8000 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 8000.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8000, GEODESIC DOME

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

8000-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

8000-A

SHED



8000-A

SHED

8000-A.1 GENERAL

Building 8000-A was surveyed by WESTON technicians on 27 March 1992. No suspect asbestos-containing material (ACM) was found in the building.

8000-A.2 CONCLUSION

Based on the survey performed in Building 8000-A, WESTON concludes that in Building 8000-A does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 8000-A0.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8000-A0, SHED

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			
				CH	AM	OT	LAYERED ^a

No Asbestos Containing Material Detected In This Building

8000A-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

8001

FIRE SHED

FIRE SHED

8001.1 GENERAL

Building 8001 was surveyed by WESTON technicians on 27 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Building 8001 is constructed entirely of asbestos-containing transite panels (i.e., roof, siding, and doors). No sample was collected from this building. However, previous surveys and laboratory analysis have established that transite panels are asbestos-containing materials (ACM). Therefore, WESTON has assumed that the transite panels found in Building 8001 are ACM.

8001.2 ACM AND EXPOSURE ASSESSMENT

An area-by-area inventory of ACM is provided in Tables 8001.2 and 8001.3. "Other Asbestos-Containing Materials," listed in Table 8001.3, are materials that do not correspond to the standard caption categories listed in Table 8001.2. A prioritized listing of exposure assessments is presented in Table 8001.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 8001.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document.



8001.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 8001 is scheduled for demolition.
- The outer shell of Building 8001 is constructed entirely of ACM transite panels.
- WESTON recommends that Building 8001 be dismantled per the standard transite panel removal procedure. Building 8001 shall be demolished under the Army Asbestos Deficiency Abatement Project (AADAP).

TABLE 8001.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8001, FIRE SHED

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
<p>Suspect material noted in this building was correlated with material sampled from adjacent buildings. Those materials that tested positive (i.e. that contains asbestos) are reflected in the schematic floor plans of this discussion and are included in the cost estimates (labor and material expenses) shown in the following tables.</p>							

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

8001-3

TABLE 8001.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 8001, FIRE SHED

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
DOORS	-	-	-	-	-	-	-	-	-	-	-	-	*
ROOF	-	-	-	-	-	-	-	-	-	-	-	-	*
SIDINGS	-	-	-	-	-	-	-	-	-	-	-	-	*
TOTALS	-	-	-	-	-	-	-	-	-	-	-	-	*

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

8001-4

Table 8001.3

Other Asbestos-Containing Material - Building 8001, Fire Shed
Type Occupancy: Adults (Public)

Area	Material Type	Quantity (Unit)
Doors	Transite Panel	0.050 (MSF)
Roof	Transite Panel	0.100 (MSF)
Siding	Transite Panel	0.05 (MSF)

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

8001-5

TABLE 8001.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 8001, FIRE SHED

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK671	DOORS	TRANSITE PANEL BOARD	A	4.125E01	2	3	1	1	1	5.00	30
FK671	ROOF	TRANSITE PANEL BOARD	A	4.125E01	2	3	1	1	1	5.00	30
FK671	SIDINGS	TRANSITE PANEL BOARD	A	4.125E01	2	3	1	1	1	5.00	30

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

9-1008

TABLE 8001.5

COST ESTIMATE* - BUILDING 8001, FIRE SHED

DESCRIPTION	UNIT COST (\$)	AREA 1	AREA 2	AREA 3	TOTAL
Pipe Fittings (EA)					
<4"	70.30	-	-	-	-
4-8"	85.80	-	-	-	-
8-14"	147.00	-	-	-	-
>14"	216.00	-	-	-	-
Pipe Runs (LF)					
<4"	26.50	-	-	-	-
4-8"	30.50	-	-	-	-
8-14"	42.50	-	-	-	-
>14"	60.80	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-
Floor Tile (SF)	5.60	-	-	-	-
Boilers/Tanks (SF)	37.90	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-
Other		0.6	1.1	0.6	2.2
SUBTOTAL		0.6	1.1	0.6	2.2
Difficulty Allowance		-	-	-	-
SUBTOTAL		0.6	1.1	0.6	2.2
Decontamination Units Mobilization		0.7	0.7	0.7	2.0
SUBTOTAL		1.2	1.8	1.2	4.2
Contingency @ 15.00%		0.2	0.3	0.2	0.6
SUBTOTAL		1.4	2.0	1.4	4.8
Design Fee @ 10.00%		0.1	0.2	0.1	0.5
SUBTOTAL		1.5	2.2	1.5	5.3
Air Monitoring @ 10.00%***		0.2	0.2	0.2	0.5
TOTAL		1.7	2.4	1.7	5.8

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: DOORS
AREA 3: SIDINGS

AREA 2: ROOF

8001-7

8003

MECHANICAL ROOM



8003

MECHANICAL ROOM

8003.1 GENERAL

The mechanical room in Building 8003 was surveyed by WESTON technicians on 27 March 1992. The main building was not accessible at this time.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 1 sample of suspect material collected from the mechanical room. This sample was found to be non-asbestos-containing material (non-ACM).

The location, description, and analytical result for the bulk sample from the mechanical room in Building 8003 are presented in Table 8003.1.

8003.2 CONCLUSION

Based on the survey and the laboratory result of the sample collected in the mechanical room in Building 8003, WESTON concludes that the mechanical room in Building 8003 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 8003.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8003, MECHANICAL ROOM

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK695	MECH. ROOM	OTHER MATERIAL	WHITE,OTH,WALL BOARD	-	-	-	YES

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 8003.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 8003, MECHANICAL ROOM

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROVELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					

No Asbestos Containing Material Detected In This Building

8003-3

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet



8004

STOREHOUSE



8004

STOREHOUSE

8004.1 GENERAL

Building 8004 was surveyed by WESTON technicians on 27 March 1992. No suspect asbestos-containing material (ACM) was found in the building.

8004.2 CONCLUSION

Based on the survey performed in Building 8004, WESTON concludes that Building 8004 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 8004.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8004, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

8004-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

8006

LABORATORY



8006

LABORATORY

8006.1 GENERAL

Building 8006 was surveyed by WESTON technicians on 27 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 2 samples of suspect material collected from the building. Of these samples, both were found to be asbestos-containing materials (ACM). Table 8006.1 lists the analytical results for the bulk samples.

8006.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 8006 are presented in Table 8006.1. An area-by-area inventory of ACM is provided in Tables 8006.2 and 8006.3. "Other Asbestos-Containing Materials," listed in Table 8006.3, are materials that do not correspond to the standard caption categories listed in Table 8006.2. A prioritized listing of exposure assessments is presented in Table 8006.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 8006.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document.



8006.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 8006 is scheduled for demolition.
- Floor tile is the only ACM present in Building 8006.
- Floor tile in Building 8006 should be removed from building prior to demolition to comply with State of New Jersey waste disposal regulations.

TABLE 8006.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8006, LABORATORY

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK692	LAB	FLOOR TILE	GREEN,OTH,9X9 FL TL	5	-	-	NO
FK693	LAB	FLOOR TILE	BROWN,OTH,9X9 FL TL	7	-	-	YES

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 8006.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 8006, LABORATORY

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
LAB	-	-	-	-	-	-	-	-	-	1.95	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	1.95	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

8006-4

Table 8006.3

**Other Asbestos-Containing Material - Building 8006, Laboratory
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building.		

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

8006-5

TABLE 8006.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 8006, LABORATORY

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		

Only Non-Friable Material Was Detected In This Building
Exposure Assessments Are Not Available

9-9008

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 8006.5

COST ESTIMATE* - BUILDING 8006, LABORATORY

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	42.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	10.9	10.9
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		-	-
SUBTOTAL		10.9	10.9
Difficulty Allowance		-	-
SUBTOTAL		10.9	10.9
Decontamination Units		3.0	3.0
Mobilization		2.0	2.0
SUBTOTAL		15.9	15.9
Contingency @ 15.00%		2.4	2.4
SUBTOTAL		18.3	18.3
Design Fee @ 10.00%		1.8	1.8
SUBTOTAL		20.1	20.1
Air Monitoring @ 10.00%***		2.0	2.0
TOTAL		22.2	22.2

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: LAB

8006-7

8007

LABORATORY



8007

LABORATORY

8007.1 GENERAL

Building 8006 was surveyed by WESTON technicians on 27 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 2 samples of suspect material collected from the building. Of these samples, 1 was found to be asbestos-containing materials (ACM). Table 8007.1 lists the analytical results for the bulk sample.

8007.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 8007 are presented in Table 8007.1. An area-by-area inventory of ACM is provided in Tables 8007.2 and 8007.3. "Other Asbestos-Containing Materials," listed in Table 8007.3, are materials that do not correspond to the standard caption categories listed in Table 8007.2. A prioritized listing of exposure assessments is presented in Table 8007.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 8007.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document.

8007.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 8007 is scheduled for demolition.
- Floor tile is the only ACM present in Building 8007.
- Floor tile in Building 8007 should be removed from building prior to demolition to comply with State of New Jersey waste disposal regulations.

TABLE 8007.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8007, LABORATORY

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK697	FLOORING	FLOOR TILE	GREEN,OTH,9X9 FL TL	7	-	-	YES
FK698	WALLS	ACOUSTICAL WALL TILE	WHITE,OTH,ACOUS.WALL	-	-	-	YES

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 8007.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 8007, LABORATORY

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROVELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
FLOORING	-	-	-	-	-	-	-	-	-	0.26	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	0.26	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

8007-4

Table 8007.3

**Other Asbestos-Containing Material - Building 8007, Laboratory
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building.		

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

8007-5

TABLE 8007.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 8007, LABORATORY

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK698	WALLS	ACOUSTICAL WALL TILE	A	0	1	1	2	1	1	1.00	0

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

8007-6

TABLE 8007.5

COST ESTIMATE* - BUILDING 8007, LABORATORY

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	42.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	1.5	1.5
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		-	-
SUBTOTAL		1.5	1.5
Difficulty Allowance		-	-
SUBTOTAL		1.5	1.5
Decontamination Units		3.0	3.0
Mobilization		2.0	2.0
SUBTOTAL		6.5	6.5
Contingency @ 15.00%		1.0	1.0
SUBTOTAL		7.4	7.4
Design Fee @ 10.00%		0.7	0.7
SUBTOTAL		8.2	8.2
Air Monitoring @ 10.00%***		0.8	0.8
TOTAL		9.0	9.0

*Amounts Are In Thousands Of Dollars

**Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

***The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: FLOORING



8007-A

LABORATORY



8007-A

LABORATORY

8007-A.1 GENERAL

Building 8007-A was surveyed by WESTON technicians on 27 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 2 samples of suspect material collected from the building. Of these samples, 1 was found to be asbestos-containing materials (ACM). Table 8007-A.1 lists the analytical results for the bulk sample.

8007-A.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 8007-A are presented in Table 8007-A.1. An area-by-area inventory of ACM is provided in Tables 8007-A.2 and 8007-A.3. "Other Asbestos-Containing Materials," listed in Table 8007-A.3, are materials that do not correspond to the standard caption categories listed in Table 8007-A.2. A prioritized listing of exposure assessments is presented in Table 8007-A.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 8007-A.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document.



8007-A.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 8007-A is scheduled for demolition.
- Floor tile is the only ACM present in Building 8007-A.
- Floor tile in Building 8007-A should be removed from building prior to demolition to comply with State of New Jersey waste disposal regulations.

TABLE 8007-A0.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8007-A0, LABORATORY

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK699	FLOORING	FLOOR TILE	TAN,OTH,12X12 FLTL	5	-	-	YES
FK700	ROOF	OTHER MATERIAL	GREEN,OTH,ROOF SHIN.	-	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 8007-A0.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 8007-A0, LABORATORY

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
FLOORING	-	-	-	-	-	-	-	-	-	0.40	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	0.40	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

8007A-4

Table 8007-A.3

Other Asbestos-Containing Material - Building 8007-A, Laboratory
Type Occupancy: Adults (Public)

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building.		

- EA - Each
- LF - Linear Feet
- MSF - Thousand Square Feet

8007A-5

TABLE 8007-A0.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 8007-A0, LABORATORY

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK698	CEILING	ACOUSTICAL WALL TILE	A	0	1	1	2	1	1	1.00	0

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

8007A-6

TABLE 8007-A0.5

COST ESTIMATE* - BUILDING 8007-A0, LABORATORY

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	42.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	2.2	2.2
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		-	-
SUBTOTAL		2.2	2.2
Difficulty Allowance		-	-
SUBTOTAL		2.2	2.2
Decontamination Units		3.0	3.0
Mobilization		2.0	2.0
SUBTOTAL		7.2	7.2
Contingency @ 15.00%		1.1	1.1
SUBTOTAL		8.3	8.3
Design Fee @ 10.00%		0.8	0.8
SUBTOTAL		9.2	9.2
Air Monitoring @ 10.00%***		0.9	0.9
TOTAL		10.1	10.1

*Amounts Are In Thousands Of Dollars

**Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

***The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: FLOORING

8009

STOREHOUSE



8009

STOREHOUSE

8009.1 GENERAL

Building 8009 was surveyed by WESTON technicians on 27 March 1992.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 1 sample of suspect material collected from the building. This sample was found to be non-asbestos-containing materials (non-ACM).

The location, description, and analytical result for the bulk sample from Building 8009 are presented in Table 8009.1.

8009.2 CONCLUSION

Based on the survey and the laboratory result of the sample collected in Building 8009, WESTON concludes that Building 8009 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 8009.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8009, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK694	ROOF	OTHER MATERIAL	BLACK,OTH,ROOF SHIN.	-	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 8009.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 8009, STOREHOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					

No Asbestos Containing Material Detected In This Building

8009-3

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

8010

STOREHOUSE



8010

STOREHOUSE

8010.1 GENERAL

Building 8010 was surveyed by WESTON technicians on 27 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 1 sample of suspect material collected from the building. This sample was found to be asbestos-containing material (ACM). Table 8010.1 lists the analytical results for the bulk sample.

8010.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 8010 are presented in Table 8010.1. An area-by-area inventory of ACM is provided in Tables 8010.2 and 8010.3. "Other Asbestos-Containing Materials," listed in Table 8010.3, are materials that do not correspond to the standard caption categories listed in Table 8010.2. A prioritized listing of exposure assessments is presented in Table 8010.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 8010.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document.



8010.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 8010 is scheduled for demolition.
- Floor tile is the only ACM present in Building 8010.
- Floor tile in Building 8010 should be removed from building prior to demolition to comply with State of New Jersey waste disposal regulations.

TABLE 8010.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8010, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK696	STORAGE	FLOOR TILE	BROWN,OTH,9X9 FL TL	3	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

8010-3

TABLE 8010.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 8010, STOREHOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROVELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
STORAGE	-	-	-	-	-	-	-	-	-	0.50	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	0.50	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

Table 8010.3

**Other Asbestos-Containing Material - Building 8010, Storehouse
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building.		

- EA - Each
- LF - Linear Feet
- MSF - Thousand Square Feet

8010-5

TABLE 8010.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 8010, STOREHOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		

Only Non-Friable Material Was Detected In This Building
Exposure Assessments Are Not Available

9-0108

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 8010.5

COST ESTIMATE* - BUILDING 8010, STOREHOUSE

DESCRIPTION	UNIT COST (\$)	AREA ↑	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	42.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	2.8	2.8
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		-	-
SUBTOTAL		2.8	2.8
Difficulty Allowance		-	-
SUBTOTAL		2.8	2.8
Decontamination Units		3.0	3.0
Mobilization		2.0	2.0
SUBTOTAL		7.8	7.8
Contingency @ 15.00%		1.2	1.2
SUBTOTAL		9.0	9.0
Design Fee @ 10.00%		0.9	0.9
SUBTOTAL		9.9	9.9
Air Monitoring @ 10.00%***		1.0	1.0
TOTAL		10.9	10.9

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: STORAGE

8010-7

8014

GUARD HOUSE



8014

GUARD HOUSE

8014.1 GENERAL

Building 8014 was surveyed by WESTON technicians on 27 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 1 sample of suspect material collected from the building. This sample was found to be asbestos-containing material (ACM). Table 8014.1 lists the analytical results for the bulk sample.

8014.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 8014 are presented in Table 8014.1. An area-by-area inventory of ACM is provided in Tables 8014.2 and 8014.3. "Other Asbestos-Containing Materials," listed in Table 8014.3, are materials that do not correspond to the standard caption categories listed in Table 8014.2. A prioritized listing of exposure assessments is presented in Table 8014.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 8014.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document.

8014.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 8014 is scheduled for demolition.
- Floor tile is the only ACM present in Building 8014.
- Floor tile in Building 8014 should be removed from building prior to demolition to comply with State of New Jersey waste disposal regulations.

TABLE 8014.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8014, GUARD HOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK702	FLOORING	FLOOR TILE	TAN,OTH,12X12 FLTL	<1	-	-	YES

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 8014.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 8014, GUARD HOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROVELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
FLOORING	-	-	-	-	-	-	-	-	-	0.07	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	0.07	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

8014-4

Table 8014.3

**Other Asbestos-Containing Material - Building 8014, Guard House
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building.		

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

8014-5

TABLE 8014.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 8014, GUARD HOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK695	ROOF	PLASTER CEILINGS & WALLS	A	0	1	1	2	1	1	1.00	0

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 8014.5

COST ESTIMATE* - BUILDING 8014, GUARD HOUSE

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	42.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	0.4	0.4
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		-	-
SUBTOTAL		0.4	0.4
Difficulty Allowance		-	-
SUBTOTAL		0.4	0.4
Decontamination Units		3.0	3.0
Mobilization		2.0	2.0
SUBTOTAL		5.4	5.4
Contingency @ 15.00%		0.8	0.8
SUBTOTAL		6.2	6.2
Design Fee @ 10.00%		0.6	0.6
SUBTOTAL		6.8	6.8
Air Monitoring @ 10.00%***		0.7	0.7
TOTAL		7.5	7.5

*Amounts Are In Thousands Of Dollars

**Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

***The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: FLOORING

8014-7



8015-A

STOREHOUSE



8015-A

STOREHOUSE

8015-A.1 GENERAL

Building 8015-A was surveyed by WESTON technicians on 27 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 1 sample of suspect material collected from the building. This sample was found to be asbestos-containing material (ACM). Table 8015-A.1 lists the analytical results for the bulk sample.

8015-A.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 8015 are presented in Table 8015-A.1. An area-by-area inventory of ACM is provided in Tables 8015-A.2 and 8015-A.3. "Other Asbestos-Containing Materials," listed in Table 8015-A.3, are materials that do not correspond to the standard caption categories listed in Table 8015-A.2. A prioritized listing of exposure assessments is presented in Table 8015-A.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 8015-A.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document.



8015-A.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 8015-A is scheduled for demolition.
- The insulation panel shall be removed under the Army Asbestos Deficiency Abatement Project (AADAP) prior to demolition of Building 8015-A.

TABLE 8015-A0.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8015-A0, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK691	WALL	OTHER MATERIAL	GRAY,OTH,INSUL.PANL	40	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

8015A-3

TABLE 8015-A0.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 8015-A0, STOREHOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
WALL	-	-	-	-	-	-	-	-	-	-	-	-	*
TOTALS	-	-	-	-	-	-	-	-	-	-	-	-	*

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

8015A-4

Table 8015-A.3

Other Asbestos-Containing Material - Building 8015-A, Storehouse
Type Occupancy: Adults (Public)

Area	Material Type	Quantity (Unit)
Wall	Insulation Panel	0.100 (MSF)

EA - Each

LF - Linear Feet

MSF - Thousand Square Feet

8015A-5

TABLE 8015-A0.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 8015-A0, STOREHOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK691	WALL	INSULATION BOARD	A	2.175E-4	1	1	2	1	1	1.00	40

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

8015A-6

TABLE 8015-A0.5

COST ESTIMATE* - BUILDING 8015-A0, STOREHOUSE

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	42.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	-	-
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		0.4	0.4
SUBTOTAL		0.4	0.4
Difficulty Allowance		-	-
SUBTOTAL		0.4	0.4
Decontamination Units Mobilization		1.5	1.5
		2.0	2.0
SUBTOTAL		3.9	3.9
Contingency @ 15.00%		0.6	0.6
SUBTOTAL		4.5	4.5
Design Fee @ 10.00%		0.5	0.5
SUBTOTAL		5.0	5.0
Air Monitoring @ 10.00%***		0.5	0.5
TOTAL		5.5	5.5

*Amounts Are In Thousands Of Dollars

**Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

***The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: WALL

8015A-7

8016

HELICOPTER HANGAR



8016

HELICOPTER HANGAR

8016.1 GENERAL

Building 8016 was surveyed by WESTON technicians on 27 March 1992. No suspect asbestos-containing material (ACM) was found in the building.

8016.2 CONCLUSION

Based on the survey performed in Building 8016, WESTON concludes that Building 8016 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 8016.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8016, HELICOPTER HANGAR

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
No Asbestos Containing Material Detected In This Building							

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

8017

STOREHOUSE



8017

STOREHOUSE

8017.1 GENERAL

Building 8017 was surveyed by WESTON technicians on 27 March 1992. No suspect asbestos-containing material (ACM) was found in the building.

8017.2 CONCLUSION

Based on the survey performed in Building 8017, WESTON concludes that Building 8017 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 8017.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8017, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

8017-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

8019
STOREHOUSE



8019

STOREHOUSE

8019.1 GENERAL

Building 8019 was surveyed by WESTON technicians on 27 March 1992. No suspect asbestos-containing material (ACM) was found in the building.

8019.2 CONCLUSION

Based on the survey performed in Building 8019, WESTON concludes that Building 8019 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 8019.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8019, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

8019-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other



8019-A

STOREHOUSE



8019-A

STOREHOUSE

8019-A.1 GENERAL

Building 8019-A was surveyed by WESTON technicians on 27 March 1992. No suspect asbestos-containing material (ACM) was found in the building.

8019-A.2 CONCLUSION

Based on the survey performed in Building 8019-A, WESTON concludes that Building 8019-A does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 8019-A0.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8019-A0, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

8019A-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other



8019-B
STOREHOUSE



8019-B
STOREHOUSE

8019-B.1 GENERAL

Building 8019-B was surveyed by WESTON technicians on 27 March 1992. No suspect asbestos-containing material (ACM) was found in the building.

8019-B.2 CONCLUSION

Based on the survey performed in Building 8019-B, WESTON concludes that Building 8019-B does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 8019-B0.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8019-B0, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

8019B-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

8020

STOREHOUSE



8020

STOREHOUSE

8020.1 GENERAL

Building 8020 was surveyed by WESTON technicians on 27 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 1 sample of suspect material collected from the building. This sample was found to be asbestos-containing material (ACM). Table 8020.1 lists the analytical results for the bulk sample.

8020.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 8020 are presented in Table 8020.1. An area-by-area inventory of ACM is provided in Tables 8020.2 and 8020.3. "Other Asbestos-Containing Materials," listed in Table 8020.3, are materials that do not correspond to the standard caption categories listed in Table 8020.2. A prioritized listing of exposure assessments is presented in Table 8020.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 8020.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document.

8020.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 8020 is scheduled for demolition.
- Floor tile is the only ACM present in Building 8020.
- Floor tile in Building 8020 should be removed from building prior to demolition to comply with State of New Jersey waste disposal regulations.

TABLE 8020.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8020, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK701	FLOORING	FLOOR TILE	OTHER,OTH,9X9 FL TL	7	-	-	YES

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 8020.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 8020, STOREHOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROVELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
FLOORING	-	-	-	-	-	-	-	-	-	0.80	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	0.80	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

8020-4

Table 8020.3

Other Asbestos-Containing Material - Building 8020, Storehouse
Type Occupancy: Adults (Public)

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building.		

- EA - Each
- LF - Linear Feet
- MSF - Thousand Square Feet

8020-5

TABLE 8020.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 8020, STOREHOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		

Only Non-Friable Material Was Detected In This Building
Exposure Assessments Are Not Available

8020-6

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 8020.5

COST ESTIMATE* - BUILDING 8020, STOREHOUSE

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	72.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	4.5	4.5
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		-	-
SUBTOTAL		4.5	4.5
Difficulty Allowance		-	-
SUBTOTAL		4.5	4.5
Decontamination Units		3.0	3.0
Mobilization		2.0	2.0
SUBTOTAL		9.5	9.5
Contingency @ 15.00%		1.4	1.4
SUBTOTAL		10.9	10.9
Design Fee @ 10.00%		1.1	1.1
SUBTOTAL		12.0	12.0
Air Monitoring @ 10.00%***		1.2	1.2
TOTAL		13.2	13.2

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: FLOORING

8020-7

8021

TRAILER



8021

TRAILER

8021.1 GENERAL

Building 8021 was surveyed by WESTON technicians on 27 March 1992. No suspect asbestos-containing material (ACM) was found in the building.

8021.2 CONCLUSION

Based on the survey performed in Building 8021, WESTON concludes that Building 8021 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 8021.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8021, TRAILER

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

8021-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other



8021-A

STOREHOUSE



8021-A

STOREHOUSE

8021-A.1 GENERAL

Building 8021-A was surveyed by WESTON technicians on 27 March 1992.

The first three portions of this facility report summarize the results of this inspection.

The only suspect ACM in Building 8021-A is floor tile (9 x 9 in.). No sample was collected in this building. However, based on positive (ACM) sample results for this type of floor tile collected from other buildings in this area, WESTON has assumed that the 9 x 9 in. floor tiles found in Building 8021-A contain asbestos.

8021-A.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 8021-A are presented in Table 8021-A.1. An area-by-area inventory of ACM is provided in Tables 8021-A.2 and 8021-A.3. "Other Asbestos-Containing Materials," listed in Table 8021-A.3, are materials that do not correspond to the standard caption categories listed in Table 8021-A.2. A prioritized listing of exposure assessments is presented in Table 8021-A.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 8021-A.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document.



8021-A.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 8021-A is scheduled for demolition.
- Floor tile is the only ACM present in Building 8021-A.
- Floor tile in Building 8021-A should be removed from building prior to demolition to comply with State of New Jersey waste disposal regulations.

TABLE 8021-A0.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8021-A0, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

Suspect material noted in this building was correlated with material sampled from adjacent buildings. Those materials that tested positive (i.e. that contains asbestos) are reflected in the schematic floor plans of this discussion and are included in the cost estimates (labor and material expenses) shown in the following tables.

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 8021-A0.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 8021-A0, STOREHOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
FLOORING	-	-	-	-	-	-	-	-	-	0.30	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	0.30	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

8021A-4

Table 8021-A.3

**Other Asbestos-Containing Material - Building 8021-A, Storehouse
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building.		

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

8021A-5

TABLE 8021-A0.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 8021-A0, STOREHOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		

Only Non-Friable Material Was Detected In This Building
Exposure Assessments Are Not Available

8021A-6

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 8021-A0.5

COST ESTIMATE* - BUILDING 8021-A0, STOREHOUSE

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	82.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	40.50	-	-
9-14"	40.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	1.7	1.7
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		-	-
SUBTOTAL		1.7	1.7
Difficulty Allowance		-	-
SUBTOTAL		1.7	1.7
Decontamination Units		3.0	3.0
Mobilization		2.0	2.0
SUBTOTAL		6.7	6.7
Contingency @ 15.00%		1.0	1.0
SUBTOTAL		7.7	7.7
Design Fee @ 10.00%		0.8	0.8
SUBTOTAL		8.5	8.5
Air Monitoring @ 10.00%***		0.8	0.8
TOTAL		9.3	9.3

*Amounts Are In Thousands Of Dollars

**Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

***The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: FLOORING

8021A-7

8121

GUARD HOUSE



8121

GUARD HOUSE

8121.1 GENERAL

Building 8121 was surveyed by WESTON technicians on 27 March 1992. No suspect asbestos-containing material (ACM) was found in the building.

8121.2 CONCLUSION

Based on the survey performed in Building 8121, WESTON concludes that Building 8121 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 8121.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8121, GUARD HOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

8121-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other



8122

STOREHOUSE



8122

STOREHOUSE

8122.1 GENERAL

Building 8122 was surveyed by WESTON technicians on 27 March 1992. No suspect asbestos-containing material (ACM) was found in the building.

8122.2 CONCLUSION

Based on the survey performed in Building 8122, WESTON concludes that Building 8122 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 8122.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 8122, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

8122-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

9032

SIGNAL ADMINISTRATION



9032

SIGNAL ADMINISTRATION

9032.1 GENERAL

Building 9032 was surveyed by WESTON technicians on 19 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 13 samples of suspect material collected from the building. Of these samples, 10 were found to be asbestos-containing materials (ACM). Table 9032.1 lists the analytical results for the bulk samples.

9032.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 9032 are presented in Table 9032.1. An area-by-area inventory of ACM is provided in Tables 9032.2 and 9032.3. "Other Asbestos-Containing Materials," listed in Table 9032.3, are materials that do not correspond to the standard caption categories listed in Table 9032.2. A prioritized listing of exposure assessments is presented in Table 9032.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 9032.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document.



9032.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- The attic area and Room 122B in Building 9032 qualify for the Army Asbestos Deficiency Abatement Project (AADAP).
- Asbestos-containing floor tile should be labeled under the O&M Program.

TABLE 9032.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9032, SIGNAL ADMIN.

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK641	SECTION D CORRIDOR	FLOOR TILE	TAN,OTH,12X12 FLTL	<1	-	-	NO
FK642	SECTION D OFFICES	FLOOR TILE	TAN,OTH,12X12 FLTL	-	-	-	NO
FK643	SECTION D ATTIC	<4" PIPE FITTING	GRAY,UNK,<4IN. FIT.	25	-	-	NO
FK644	SECTION D ATTIC	<4" PIPE RUN	WHITE,UNK,<4IN. RUN	50	-	-	YES
FK645	SECTION D ATTIC	<4" PIPE FITTING	GRAY,UNK,<4IN. FIT.	25	-	-	NO
FK646	SECTION D ATTIC	<4" PIPE RUN	WHITE,UNK,<4IN. RUN	2	-	-	NO
FK647	SECTION A ATTIC	4-8" PIPE FITTING	GRAY,UNK,4-8IN. FIT	10	-	-	NO
FK648	SECTION C ATTIC	4-8" PIPE RUN	WHITE,UNK,4-8IN. RUN	50	-	-	NO
FK649	ROOM 121	ACOUSTICAL WALL TILE	BLUE,OTH,ACOUS.TILE	-	-	-	YES
FK650	SECTION B CORRIDOR	FLOOR TILE	TAN,OTH,12X12 FLTL	<1	-	-	YES
FK651	SECTION B OFFICES	FLOOR TILE	TAN,OTH,12X12 FLTL	-	-	-	YES
FK652	SECTION A CORRIDOR	FLOOR TILE	BLACK,OTH,9X9 FL TL	3	-	-	NO
FK653	ROOM 122B	OTHER MATERIAL	GRAY,OTH,WOVEN MAT.	65	-	-	YES

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 9032.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 9032, SIGNAL ADMIN.

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
PASSAGE A ATTIC	-	-	-	-	6	6	-	-	-	-	-	-	-
PASSAGE RAMP	-	-	-	-	-	-	-	-	-	0.30	-	-	-
PASSAGE RAMP ATTIC ROOM 122B	4	-	-	-	80	-	-	-	-	-	-	-	*
SECTION A ATTIC	32	2	-	-	235	100	-	-	-	-	-	-	-
SECTION A CORRIDOR	-	-	-	-	-	-	-	-	-	0.04	-	-	-
SECTION A OFFICES	-	-	-	-	-	-	-	-	-	3.30	-	-	-
SECTION B ATTIC	50	14	-	-	460	300	-	-	-	-	-	-	-
SECTION B CORRIDOR	-	-	-	-	-	-	-	-	-	0.78	-	-	-
SECTION C ATTIC	40	8	-	-	320	80	-	-	-	-	-	-	-
SECTION C CORRIDOR	-	-	-	-	-	-	-	-	-	0.42	-	-	-
SECTION D ATTIC	70	-	-	-	390	-	-	-	-	-	-	-	-
SECTION D CORRIDOR	-	-	-	-	-	-	-	-	-	0.98	-	-	-
TOTALS	196	24	-	-	1491	486	-	-	-	5.82	-	-	*

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

9032-4

Table 9032.3

Other Asbestos-Containing Material - Building 9032, Signal Administration
Type Occupancy: Adults (Public)

Area	Material Type	Quantity (Unit)
Room 122B	Woven Material	0.020 (MSF)

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

9032-5

TABLE 9032.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 9032, SIGNAL ADMIN.

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK648	PASSAGE A ATTIC	4-8" PIPE RUN	C	1.060E04	2	3	1	2	2	40.00	50
FK653	ROOM 122B	INSULATION BOARD	C	1.060E04	2	3	1	2	2	40.00	65
FK646	PASSAGE A ATTIC	<4" PIPE RUN	B	6.600E02	2	3	1	2	2	40.00	2
FK644	PASSAGE RAMP ATTIC	<4" PIPE RUN	A	1.450E-1	3	1	1	1	1	1.00	50
FK644	SECTION A ATTIC	<4" PIPE RUN	A	1.450E-1	3	1	1	1	1	1.00	50
FK644	SECTION B ATTIC	<4" PIPE RUN	A	1.450E-1	3	1	1	1	1	1.00	50
FK644	SECTION C ATTIC	<4" PIPE RUN	A	1.450E-1	3	1	1	1	1	1.00	50
FK644	SECTION D ATTIC	<4" PIPE RUN	A	1.450E-1	3	1	1	1	1	1.00	50
FK648	SECTION A ATTIC	4-8" PIPE RUN	A	1.450E-1	3	1	1	1	1	1.00	50
FK648	SECTION B ATTIC	4-8" PIPE RUN	A	1.450E-1	3	1	1	1	1	1.00	50
FK648	SECTION C ATTIC	4-8" PIPE RUN	A	1.450E-1	3	1	1	1	1	1.00	50
FK643	PASSAGE RAMP ATTIC	<4" PIPE FITTING	A	5.250E-2	3	1	1	1	1	1.00	25
FK643	SECTION A ATTIC	<4" PIPE FITTING	A	5.250E-2	3	1	1	1	1	1.00	25
FK643	SECTION B ATTIC	<4" PIPE FITTING	A	5.250E-2	3	1	1	1	1	1.00	25
FK643	SECTION C ATTIC	<4" PIPE FITTING	A	5.250E-2	3	1	1	1	1	1.00	25
FK643	SECTION D ATTIC	<4" PIPE FITTING	A	5.250E-2	3	1	1	1	1	1.00	25
FK645	SECTION A ATTIC	<4" PIPE FITTING	A	5.250E-2	3	1	1	1	1	1.00	25
FK645	SECTION B ATTIC	<4" PIPE FITTING	A	5.250E-2	3	1	1	1	1	1.00	25
FK645	SECTION C ATTIC	<4" PIPE FITTING	A	5.250E-2	3	1	1	1	1	1.00	25
FK645	SECTION D ATTIC	<4" PIPE FITTING	A	5.250E-2	3	1	1	1	1	1.00	25
FK647	SECTION A ATTIC	4-8" PIPE FITTING	A	5.250E-2	3	1	1	1	1	1.00	10
FK647	SECTION B ATTIC	4-8" PIPE FITTING	A	5.250E-2	3	1	1	1	1	1.00	10
FK647	SECTION C ATTIC	4-8" PIPE FITTING	A	5.250E-2	3	1	1	1	1	1.00	10
FK646	SECTION A ATTIC	<4" PIPE RUN	A	9.250E-3	3	1	1	1	1	1.00	2
FK646	SECTION B ATTIC	<4" PIPE RUN	A	9.250E-3	3	1	1	1	1	1.00	2
FK646	SECTION C ATTIC	<4" PIPE RUN	A	9.250E-3	3	1	1	1	1	1.00	2
FK646	SECTION D ATTIC	<4" PIPE RUN	A	9.250E-3	3	1	1	1	1	1.00	2
FK649	ROOM 121	ACOUSTICAL WALL TILE	A	0	3	1	1	1	1	1.00	0

9032-6

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 9032.5

COST ESTIMATE* - BUILDING 9032, SIGNAL ADMIN.

DESCRIPTION	UNIT COST (\$)	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	AREA 6	AREA 7	AREA 8	AREA 9	AREA 10	AREA 11
Pipe Fittings (EA)												
<4"	70.30	-	-	0.3	-	2.2	-	-	3.5	-	2.8	-
4-8"	85.80	-	-	-	-	0.2	-	-	1.2	-	0.7	-
9-14"	147.00	-	-	-	-	-	-	-	-	-	-	-
>14"	216.00	-	-	-	-	-	-	-	-	-	-	-
Pipe Runs (LF)												
<4"	26.50	0.2	-	2.1	-	6.2	-	-	12.2	-	8.5	-
4-8"	30.50	0.2	-	-	-	3.1	-	-	6.2	-	2.4	-
9-14"	23.50	-	-	-	-	-	-	-	-	-	-	-
>14"	60.80	-	-	-	-	-	-	-	-	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-	-	-	-	-	-	-	-	-
Floor Tile (SF)	5.60	-	1.7	-	-	-	0.2	18.5	-	4.4	-	2.4
Boilers/Tanks (SF)	37.90	-	-	-	-	-	-	-	-	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-	-	-	-	-	-	-	-	-
Other		-	-	-	**	-	-	-	-	-	-	-
SUBTOTAL		0.3	1.7	2.4	**	11.7	0.2	18.5	26.1	4.4	14.4	2.4
Difficulty Allowance		0.2	-	1.2	-	5.8	-	-	13.0	-	7.2	-
SUBTOTAL		0.5	1.7	3.6	**	17.5	0.2	18.5	39.1	4.4	21.6	2.4
Decontamination Units Mobilization		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
SUBTOTAL		0.9	2.1	4.0	0.5	17.9	0.6	18.9	39.5	4.8	22.0	2.7
Contingency @ 15.00%		0.1	0.3	0.6	**	2.7	**	2.8	5.9	0.7	3.3	0.4
SUBTOTAL		1.0	2.4	4.6	0.5	20.6	0.7	21.7	45.4	5.5	25.3	3.1
Design Fee @ 10.00%		0.1	0.2	0.5	**	2.1	**	2.2	4.5	0.5	2.5	0.3
SUBTOTAL		1.1	2.6	5.0	0.6	22.7	0.8	23.9	49.9	6.0	27.8	3.5
Air Monitoring @ 10.00%***		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
TOTAL		2.5	4.0	6.4	2.0	24.1	2.2	25.3	51.3	7.4	29.2	4.9

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: PASSAGE A ATTIC
 AREA 3: PASSAGE RAMP ATTIC
 AREA 5: SECTION A ATTIC
 AREA 7: SECTION A OFFICES
 AREA 9: SECTION B CORRIDOR
 AREA 11: SECTION C CORRIDOR

AREA 2: PASSAGE RAMP
 AREA 4: ROOM 122B
 AREA 6: SECTION A CORRIDOR
 AREA 8: SECTION B ATTIC
 AREA 10: SECTION C ATTIC

9032-7

TABLE 9032.5
(continued)

COST ESTIMATE* - BUILDING 9032, SIGNAL ADMIN.

DESCRIPTION	UNIT COST (\$)	AREA 12	AREA 13	TOTAL
Pipe Fittings (EA)				
<4"	70.30	4.9	-	13.8
4-8"	85.80	-	-	2.1
9-14"	147.00	-	-	-
>14"	216.00	-	-	-
Pipe Runs (LF)				
<4"	26.50	10.3	-	39.5
4-8"	30.50	-	-	14.8
9-14"	22.50	-	-	-
>14"	60.80	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-
Floor Tile (SF)	5.60	-	5.5	32.6
Boilers/Tanks (SF)	37.90	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-
Other		-	-	**
SUBTOTAL		15.3	5.5	102.8
Difficulty Allowance		7.6	-	35.1
SUBTOTAL		22.9	5.5	137.9
Decontamination Units Mobilization		0.2	0.2	3.0
		0.2	0.2	2.0
SUBTOTAL		23.3	5.9	142.9
Contingency @ 15.00%		3.5	0.9	21.4
SUBTOTAL		26.8	6.8	164.4
Design Fee @ 10.00%		2.7	0.7	16.4
SUBTOTAL		29.4	7.4	180.8
Air Monitoring @ 10.00%***		1.4	1.4	18.1
TOTAL		30.8	8.8	198.9

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

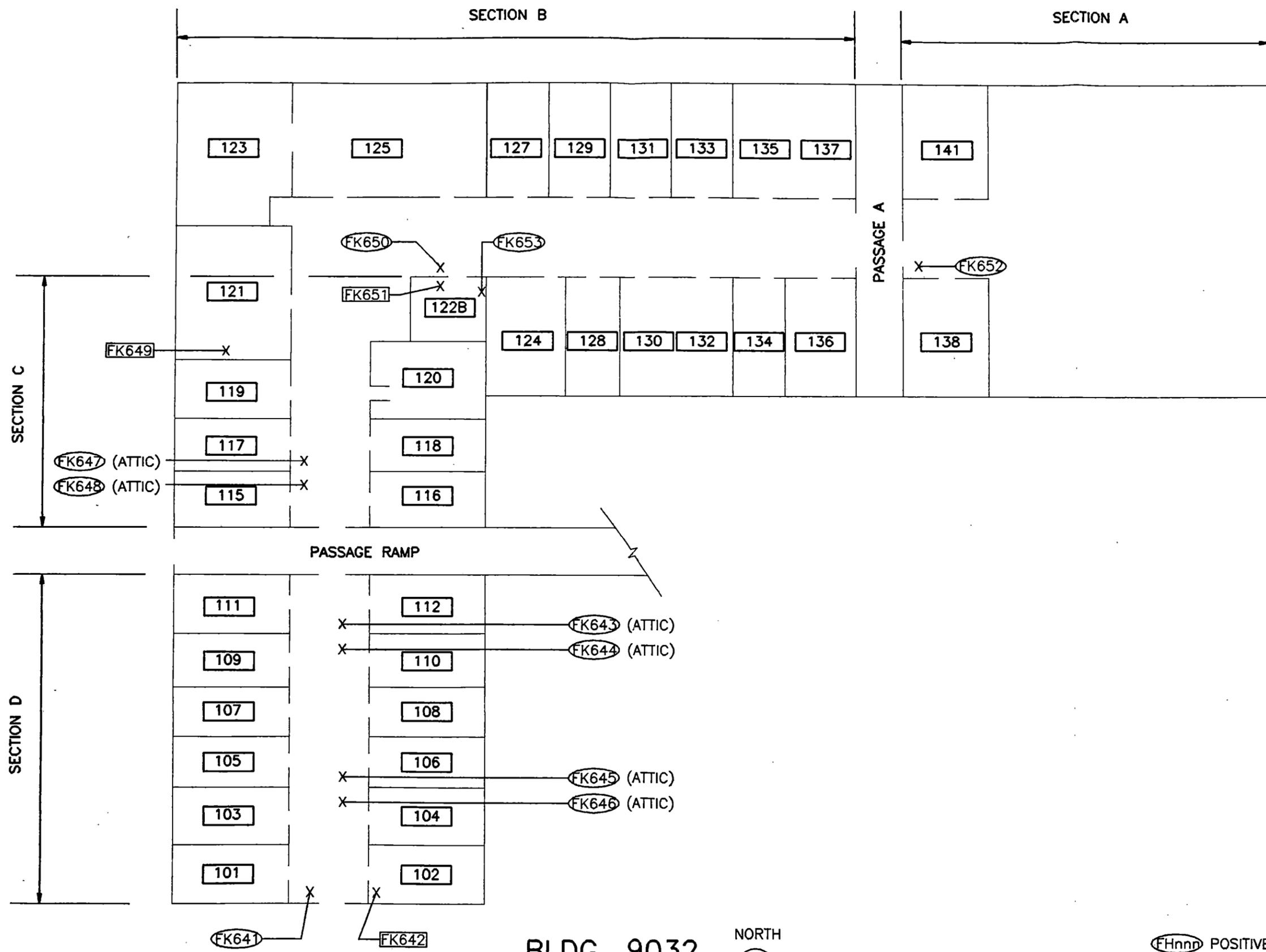
*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 12: SECTION D ATTIC

AREA 13: SECTION D CORRIDOR

9032-8

FILE: 56019



BLDG. 9032
NOT TO SCALE



(FHnn) POSITIVE SAMPLE
 [FHnn] NEGATIVE SAMPLE
WESTON
 MANAGERS DESIGNERS/CONSULTANTS

9095

WAREHOUSE



9095

WAREHOUSE

9095.1 GENERAL

Building 9095 was surveyed by WESTON technicians on 20 March 1992.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 1 sample of suspect material collected from the building. This sample was found to be non-asbestos-containing material (non-ACM).

The location, description, and analytical result for the bulk sample from Building 9095 are presented in Table 9095.1.

9095.2 CONCLUSION

Based on the survey and the laboratory result of the sample collected in Building 9095, WESTON concludes that Building 9095 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 9095.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9095, WAREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK660	ROOF	OTHER MATERIAL	BLACK, OTH, SHINGLE	-	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

9103

STORAGE



9103

STORAGE

9103.1 GENERAL

Building 9103 was surveyed by WESTON technicians on 16 October 1991.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 4 samples of suspect asbestos-containing material (ACM) collected from the building. All 4 samples were found to be non-asbestos-containing materials. Table 9103.1 lists the analytical results for the bulk samples.

9103.2 CONCLUSION

Based on the survey and the laboratory results of the samples collected in Building 9103, WESTON concludes that Building 9103 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 9103.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9103, STORAGE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK622	STORAGE	CEILING TILE	WHITE,OTH,CEIL. TILE	-	-	-	YES
FK623	STORAGE	CEILING TILE	OTH,CEIL. TILE	-	-	-	YES
FK624	STORAGE	OTHER MATERIAL	BLACK,OTH,TAR PAPER	-	-	-	NO
FK625	STORAGE	OTHER MATERIAL	BLACK,OTH,ROOF PAPER	-	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 9103.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 9103, STORAGE

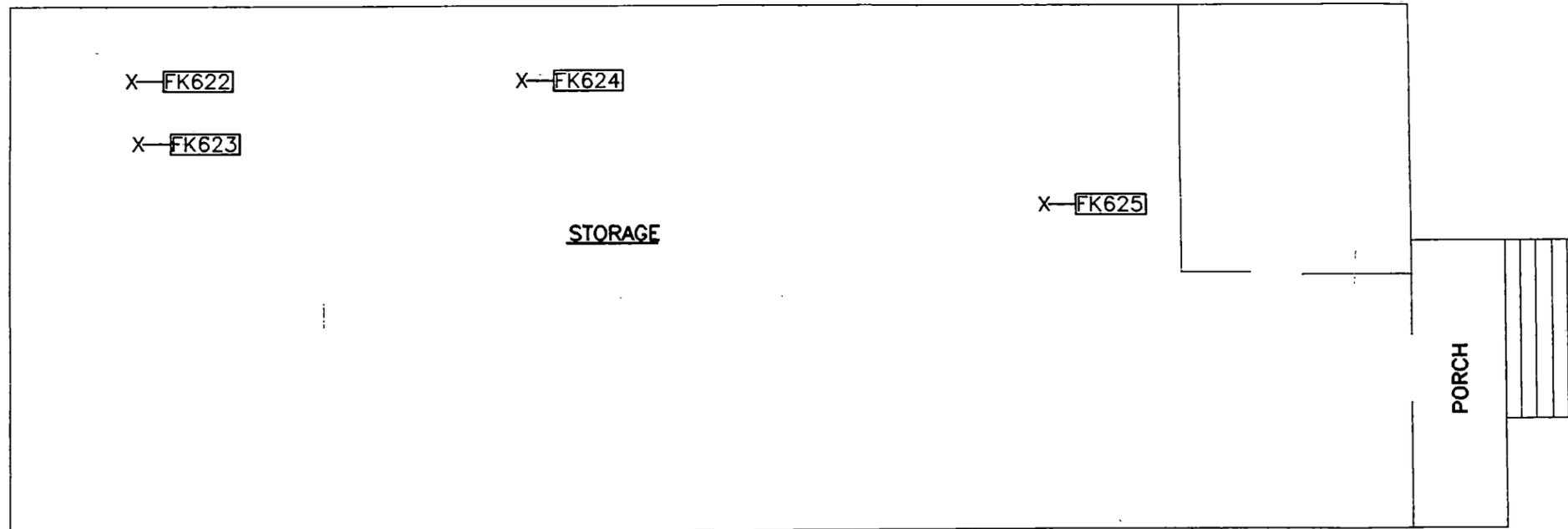
AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED	FLOOR TILE	BOILERS/	AIR HANDLING	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"	CEILINGS (MSF)	(MSF)	TANKS (MSF)	EQUIPMENT (MSF)	

No Asbestos Containing Material Detected In This Building

9103-3

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet



BLDG. 9103
NOT TO SCALE



(NSM) NO SUSPECT MAT'L.
 POSITIVE SAMPLE
 NEGATIVE SAMPLE



9104

WAREHOUSE



9104

WAREHOUSE

9104.1 GENERAL

Building 9104 was surveyed by WESTON technicians on 18 October 1991.

No suspect asbestos-containing material (ACM) was found in the building.

9104.2 CONCLUSION

Based on the survey performed in Building 9104, WESTON concludes that Building 9104 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 9104.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9104, WAREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

9104-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

9106

WAREHOUSE



9106

WAREHOUSE

9106.1 GENERAL

Building 9106 was surveyed by WESTON technicians on 16 October 1991.

No suspect asbestos-containing material (ACM) was found in the building.

9106.2 CONCLUSION

Based on the survey performed in Building 9106, WESTON concludes that Building 9106 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 9106.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9106, WAREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

9106-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other



9110

BARRACKS BUILDING



9110

BARRACKS BUILDING

205.1 GENERAL

Building 9110 was surveyed by WESTON technicians on 17 October 1991.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 1 sample of suspect material collected from the building. This sample was found to be asbestos-containing material (ACM). Table 9110.1 lists the analytical result for the bulk sample.

9110.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical result for the bulk sample from Building 9110 is presented in Table 9110.1. An area-by-area inventory of ACM is provided in Tables 9110.2 and 9110.3. "Other Asbestos-Containing Materials," listed in Table 9110.3, are materials that do not correspond to the standard caption categories listed in Table 9110.2. A prioritized listing of exposure assessments is presented in Table 9110.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 9110.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 9110.2 and 9110.5.

9110.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Asbestos-containing floor tile should be labeled under O&M Program.

TABLE 9110.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9110, GEN. STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK626	STORAGE AREA	FLOOR TILE	BLACK,OTH,9X9 FL TL	12	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 9110.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 9110, GEN. STOREHOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
STORAGE AREA	-	-	-	-	-	-	-	-	-	0.06	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	0.06	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

9110-4

Table 9110.3

Other Asbestos-Containing Material - Building 9110, Gen. Storehouse
Type Occupancy: Adults (Public)

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building		

- EA - Each
- LF - Linear Feet
- MSF - Thousand Square Feet

9110-5

TABLE 9110.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 9110, GEN. STOREHOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		

Only Non-Friable Material Was Detected In This Building
Exposure Assessments Are Not Available

9110-6

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 9110.5

COST ESTIMATE* - BUILDING 9110, GEN. STOREHOUSE

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	42.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	0.3	0.3
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		-	-
SUBTOTAL		0.3	0.3
Difficulty Allowance		-	-
SUBTOTAL		0.3	0.3
Decontamination Units Mobilization		2.0	2.0
SUBTOTAL		2.3	2.3
Contingency @ 15.00%		0.4	0.4
SUBTOTAL		2.7	2.7
Design Fee @ 10.00%		0.3	0.3
SUBTOTAL		3.0	3.0
Air Monitoring @ 10.00%***		0.5	0.5
TOTAL		3.5	3.5

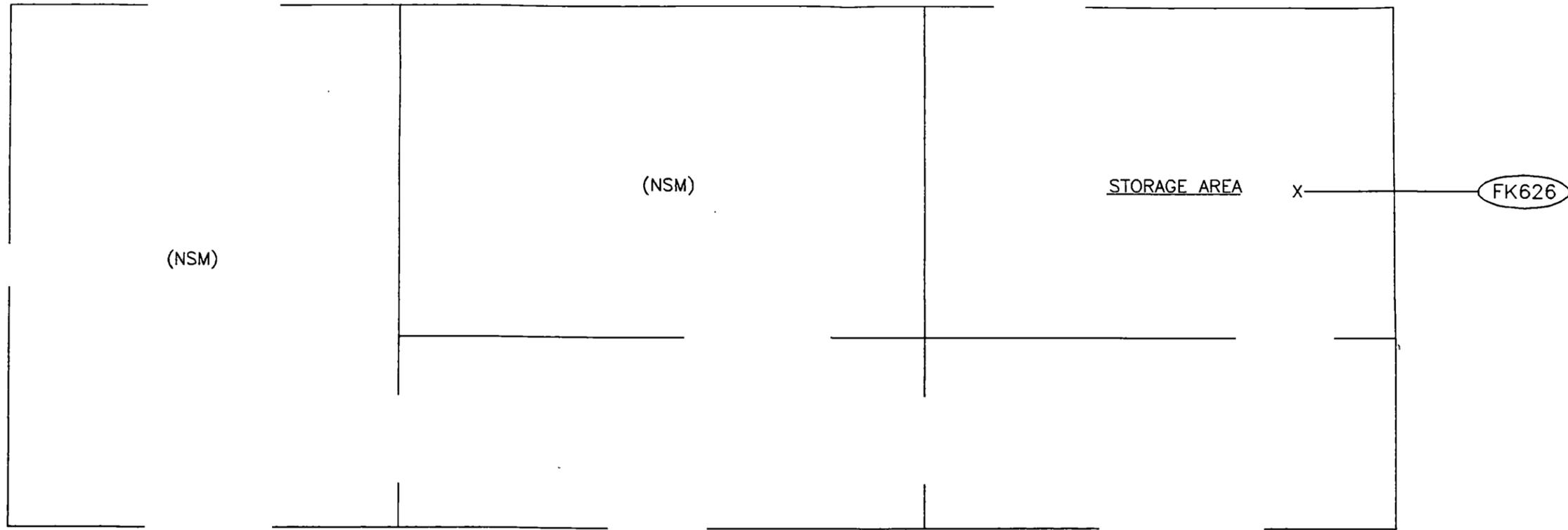
*Amounts Are In Thousands Of Dollars

**Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

***The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: STORAGE AREA

9110-7



BLDG. 9110
NOT TO SCALE



(NSM) NO SUSPECT MAT'L.
 (FHnn) POSITIVE SAMPLE
 [FHnn] NEGATIVE SAMPLE



FILE: 00013

9112

SUBSTATION



9112

SUBSTATION

9112.1 GENERAL

Building 9112 was surveyed by WESTON technicians on 15 October 1991.

No suspect asbestos-containing material (ACM) was found in the building (substation).

9112.2 CONCLUSION

Based on the survey performed in Building 9112, WESTON concludes that Building 9112 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 9112.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9112, SUBSTATION

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

9112-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

9114

SUBSTATION



9114

SUBSTATION

9114.1 GENERAL

Building 9114 was surveyed by WESTON technicians on 15 October 1991.

No suspect asbestos-containing material was found in the building.

9114.2 CONCLUSION

Based on the survey performed in Building 9114, WESTON concludes that Building 9114 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 9114.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9114, SUBSTATION

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

9114-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other



9115

GENERAL STOREHOUSE



9115

GENERAL STOREHOUSE

9115.1 GENERAL

Building 9115 was surveyed by WESTON technicians on 15 October 1991.

No suspect asbestos-containing material (ACM) was found in the building.

9115.2 CONCLUSION

Based on the survey performed in Building 9115, WESTON concludes that Building 9115 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 9115.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9115, GEN. STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

9115-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

9117

LABORATORY



9117

LABORATORY

9117.1 GENERAL

Building 9117 was surveyed by WESTON technicians on 19 March 1992.

The first three portions of this facility report summarize the results of this inspection.

The (assumed) asbestos-containing materials (ACMs) found in Building 9117 are non-building materials (e.g., spare floor tiles and fuse box transite-type material). No sample was collected from this building. However, WESTON has included these materials in this building report for information purposes only.

9117.2 ACMAND EXPOSURE ASSESSMENT

An area-by-area inventory of ACM is provided in Tables 9117.2 and 9117.3. "Other Asbestos-Containing Materials," listed in Table 9117.3, are materials that do not correspond to the standard caption categories listed in Table 9117.2. A prioritized listing of exposure assessments is presented in Table 9117.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. N itemized area-by-area cost estimate for removal and replacement is provided in Table 9117.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document.

9117.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends properly disposing of the nonbuilding (asbestos-containing) materials found in Building 9117 prior to the demolition of this building.

TABLE 9117.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9117, LABORATORY

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
<p>Suspect material noted in this building was correlated with material sampled from adjacent buildings. Those materials that tested positive (i.e. that contains asbestos) are reflected in the schematic floor plans of this discussion and are included in the cost estimates (labor and material expenses) shown in the following tables.</p>							

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 9117.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 9117, LABORATORY

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
MECH. ROOM	-	-	-	-	-	-	-	-	-	0.02	-	-	*
TOTALS	-	-	-	-	-	-	-	-	-	0.02	-	-	*

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

Table 9117.3

**Other Asbestos-Containing Material – Building 9117, Laboratory
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
Mech. Room	Transite-type material	0.001 (MSF)

MSF - Thousand Square Feet

9117-4

TABLE 9117.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 9117, LABORATORY

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FH708	MECH. ROOM	TRANSITE PANEL BOARD	A	0	1	1	2	1	0	10.00	40

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessability
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 9117.5

COST ESTIMATE* - BUILDING 9117, LABORATORY

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	42.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	0.1	0.1
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		**	**
SUBTOTAL		0.1	0.1
Difficulty Allowance		-	-
SUBTOTAL		0.1	0.1
Decontamination Units Mobilization		2.0	2.0
SUBTOTAL		2.1	2.1
Contingency @ 15.00%		0.3	0.3
SUBTOTAL		2.4	2.4
Design Fee @ 10.00%		0.2	0.2
SUBTOTAL		2.7	2.7
Air Monitoring @ 10.00%***		0.5	0.5
TOTAL		3.2	3.2

* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: MECH. ROOM

9118

WAREHOUSE



**9118
WAREHOUSE**

9118.1 GENERAL

Building 9118 was surveyed by WESTON technicians on 16 October 1991.

No suspect asbestos-containing material (ACM) was found in the building.

9118.2 CONCLUSION

Based on the survey performed in Building 9118, WESTON concludes that Building 9118 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 9118.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9118, WAREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

9118-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

9119

WAREHOUSE



9119

WAREHOUSE

9119.1 GENERAL

Building 9119 was surveyed by WESTON technicians on 19 March 1992. No suspect asbestos-containing material (ACM) was found in the building.

9119.2 CONCLUSION

Based on the survey performed in Building 9119, WESTON concludes that Building 9119 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 9119.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9119, WAREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

9119-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

9154

GUARD HOUSE



9154

GUARD HOUSE

9154.1 GENERAL

Building 9154 was surveyed by WESTON technicians on 19 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 2 samples of suspect material collected from the building. Of these samples, 1 was found to be asbestos-containing material (ACM). Table 9154.1 lists the analytical results for the bulk samples.

9154.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 9154 are presented in Table 9154.1. An area-by-area inventory of ACM is provided in Tables 9154.2 and 9154.3. "Other Asbestos-Containing Materials," listed in Table 9154.3, are materials that do not correspond to the standard caption categories listed in Table 9154.2. A prioritized listing of exposure assessments is presented in Table 9154.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 9154.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 9154.2 and 9154.5.



9154.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 9154 is scheduled for demolition.
- Floor tile is the only ACM present in Building 9154.
- Floor tile in Building 9154 should be removed from building prior to demolition to comply with State of New Jersey waste disposal regulations.

TABLE 9154.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9154, GUARD HOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK656	FLOORING	FLOOR TILE	BLACK,OTH,9X9 FL TL	5	-	-	NO
FK657	ROOF	OTHER MATERIAL	BLACK,OTH,SHINGLE	-	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 9154.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 9154, GUARD HOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
FLOORING	-	-	-	-	-	-	-	-	-	0.07	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	0.07	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

9154-4

Table 9154.3

Other Asbestos-Containing Material - Building 9154, Guard House
Type Occupancy: Adults (Public)

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building		

- EA - Each
- LF - Linear Feet
- MSF - Thousand Square Feet

9154-5

TABLE 9154.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 9154, GUARD HOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		

Only Non-Friable Material Was Detected In This Building
Exposure Assessments Are Not Available

9154-6

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 9154.5

COST ESTIMATE* - BUILDING 9154, GUARD HOUSE

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	42.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	0.4	0.4
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		-	-
SUBTOTAL		0.4	0.4
Difficulty Allowance		-	-
SUBTOTAL		0.4	0.4
Decontamination Units Mobilization		3.0	3.0
SUBTOTAL		2.0	2.0
SUBTOTAL		5.4	5.4
Contingency @ 15.00%		0.8	0.8
SUBTOTAL		6.2	6.2
Design Fee @ 10.00%		0.6	0.6
SUBTOTAL		6.8	6.8
Air Monitoring @ 10.00%***		0.7	0.7
TOTAL		7.5	7.5

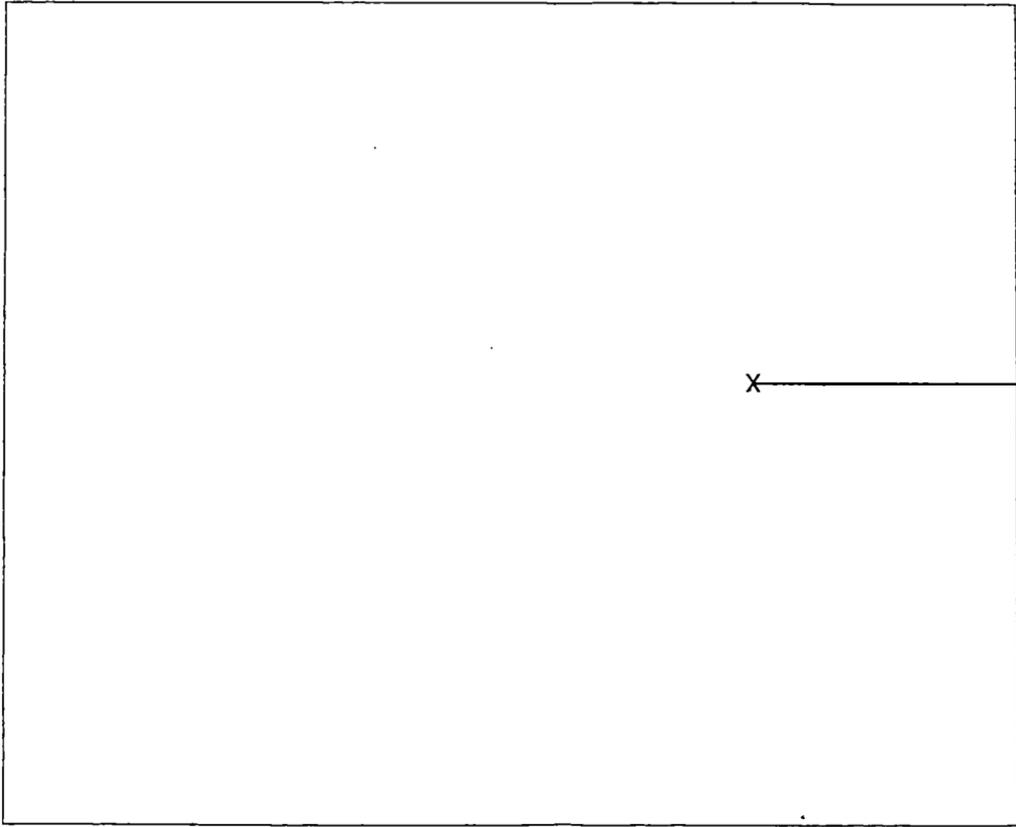
* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: FLOORING

9154-7



BLDG. 9154
NOT TO SCALE



FILE: 560191

POSITIVE SAMPLE
 NEGATIVE SAMPLE

WESTON
MANAGERS DESIGNERS/CONSULTANTS

9315

STOREHOUSE



9315

STOREHOUSE

9315.1 GENERAL

Building 9315 was surveyed by WESTON technicians on 19 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 2 samples of suspect material collected from the building. Of these samples, 1 was found to be asbestos-containing material (ACM). Table 9315.1 lists the analytical results for the bulk samples.

9315.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 9315 are presented in Table 9315.1. An area-by-area inventory of ACM is provided in Tables 9315.2 and 9315.3. "Other Asbestos-Containing Materials," listed in Table 9315.3, are materials that do not correspond to the standard caption categories listed in Table 9315.2. A prioritized listing of exposure assessments is presented in Table 9315.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 9315.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 9315.2 and 9315.5.



9315.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 9315 is scheduled for demolition.
- Floor tile is the only ACM present in Building 9315.
- Floor tile in Building 9315 should be removed from building prior to demolition to comply with State of New Jersey waste disposal regulations.

TABLE 9315.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9315, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK654	FLOORING	FLOOR TILE	BROWN,OTH,9X9 FL TL	3	-	-	NO
FK655	ROOF	OTHER MATERIAL	BLACK,OTH,SHINGLE	-	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

9315-3

TABLE 9315.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 9315, STOREHOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
FLOORING	-	-	-	-	-	-	-	-	-	0.25	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	0.25	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

Table 9315.3

**Other Asbestos-Containing Material - Building 9315, Storehouse
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building		

- EA - Each
- LF - Linear Feet
- MSF - Thousand Square Feet

9315-5

TABLE 9315.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 9315, STOREHOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		

Only Non-Friable Material Was Detected In This Building
Exposure Assessments Are Not Available

9315-6

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 9315.5

COST ESTIMATE* - BUILDING 9315, STOREHOUSE

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	42.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	1.4	1.4
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		-	-
SUBTOTAL		1.4	1.4
Difficulty Allowance		-	-
SUBTOTAL		1.4	1.4
Decontamination Units Mobilization		3.0	3.0
SUBTOTAL		6.4	6.4
Contingency @ 15.00%		1.0	1.0
SUBTOTAL		7.4	7.4
Design Fee @ 10.00%		0.7	0.7
SUBTOTAL		8.1	8.1
Air Monitoring @ 10.00%***		0.8	0.8
TOTAL		8.9	8.9

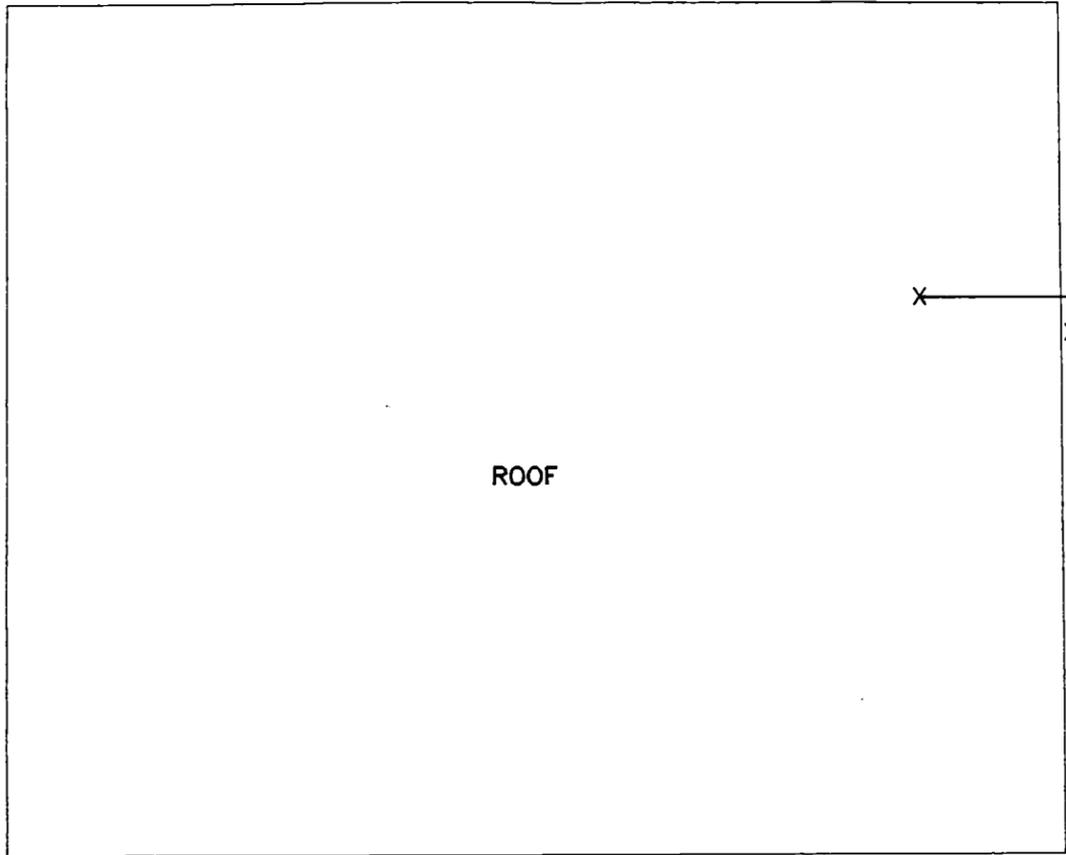
* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: FLOORING

9315-7



BLDG. 9315
NOT TO SCALE



FILE: 560193 56019332

POSITIVE SAMPLE
NEGATIVE SAMPLE

WESTON
MANAGERS DESIGNERS/CONSULTANTS

9332

STOREHOUSE



9332

STOREHOUSE

9332.1 GENERAL

Building 9332 was surveyed by WESTON technicians on 19 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 1 sample of suspect material collected from the building. This sample was found to be nonasbestos-containing material (non-ACM). However, furnace exhaust insulation board was also found in Building 9332. This material was not sampled but was assumed to be ACM (based on previous surveys and laboratory analysis) and was included in this building report.

9332.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 9332 are presented in Table 9332.1. An area-by-area inventory of ACM is provided in Tables 9332.2 and 9332.3. "Other Asbestos-Containing Materials," listed in Table 9332.3, are materials that do not correspond to the standard caption categories listed in Table 9332.2. A prioritized listing of exposure assessments is presented in Table 9332.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 9332.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 9332.2 and 9332.5



9332.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends that asbestos-containing furnace exhaust insulation board be labeled under the O&M Program.

TABLE 9332.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9332, STOREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK661	SIDING	OTHER MATERIAL	BLACK,OTH,BUILD PAPER	-	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 9332.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 9332, STOREHOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
FURNACE EXHAUST	-	-	-	-	-	-	-	-	-	-	-	-	*
TOTALS	-	-	-	-	-	-	-	-	-	-	-	-	*

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

9332-4

Table 9332.3

**Other Asbestos-Containing Material — Building 9332, Storehouse
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
Furnace Exhaust	Insulation Board	0.005 (MSF)

MSF - Thousand Square Feet

9332-5

TABLE 9332.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 9332, STOREHOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
GQ587	FURNACE EXHAUST	INSULATION BOARD	A	0	1	1	2	1	0	10.00	40

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 9332.5

COST ESTIMATE* - BUILDING 9332, STOREHOUSE

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	177.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	79.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	-	-
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		**	**
SUBTOTAL		**	**
Difficulty Allowance		-	-
SUBTOTAL		**	**
Decontamination Units Mobilization		2.0	2.0
SUBTOTAL		2.0	2.0
Contingency @ 15.00%		0.3	0.3
SUBTOTAL		2.3	2.3
Design Fee @ 10.00%		0.2	0.2
SUBTOTAL		2.6	2.6
Air Monitoring @ 10.00%***		0.5	0.5
TOTAL		3.1	3.1

*Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: FURNACE EXHAUST

9332-7

9347

LABORATORY



9347

LABORATORY

9347.1 GENERAL

Building 9347 was surveyed by WESTON technicians on 19 March 1992.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 2 samples of suspect material collected from the building. Of these samples, 1 was found to be asbestos-containing material (ACM). Table 9347.1 lists the analytical results for the bulk samples.

9347.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 9347 are presented in Table 9347.1. An area-by-area inventory of ACM is provided in Tables 9347.2 and 9347.3. "Other Asbestos-Containing Materials," listed in Table 9347.3, are materials that do not correspond to the standard caption categories listed in Table 9347.2. A prioritized listing of exposure assessments is presented in Table 9347.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Report Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 9347.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Report Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 9347.2 and 9347.5.



9347.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Per the Directorate of Engineering and Housing (DEH), Building 9347 is scheduled for demolition.
- Floor tile is the only ACM present in Building 9347.
- Floor tile in Building 9347 should be removed from building prior to demolition to comply with State of New Jersey waste disposal regulations.

TABLE 9347.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9347, LABORATORY

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK658	FLOORING	FLOOR TILE	BLACK,OTH,9X9 FL TL	5	-	-	NO
FK659	ROOF	OTHER MATERIAL	BLACK,OTH,SHINGLE	-	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 9347.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 9347, LABORATORY

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
FLOORING	-	-	-	-	-	-	-	-	-	0.36	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	0.36	-	-	-

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

9347-4

Table 9347.3

**Other Asbestos-Containing Material - Building 9347, Laboratory
Type Occupancy: Adults (Public)**

Area	Material Type	Quantity (Unit)
No Other Asbestos-Containing Material Found in this Building		

EA - Each

LF - Linear Feet

MSF - Thousand Square Feet

9347-5

TABLE 9347.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 9347, LABORATORY

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		

Only Non-Friable Material Was Detected In This Building
Exposure Assessments Are Not Available

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 9347.5

COST ESTIMATE* - BUILDING 9347, LABORATORY

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	83.80	-	-
9-14"	147.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	42.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	2.0	2.0
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		-	-
SUBTOTAL		2.0	2.0
Difficulty Allowance		-	-
SUBTOTAL		2.0	2.0
Decontamination Units		3.0	3.0
Mobilization		2.0	2.0
SUBTOTAL		7.0	7.0
Contingency @ 15.00%		1.1	1.1
SUBTOTAL		8.1	8.1
Design Fee @ 10.00%		0.8	0.8
SUBTOTAL		8.9	8.9
Air Monitoring @ 10.00%***		0.9	0.9
TOTAL		9.8	9.8

* Amounts Are In Thousands Of Dollars

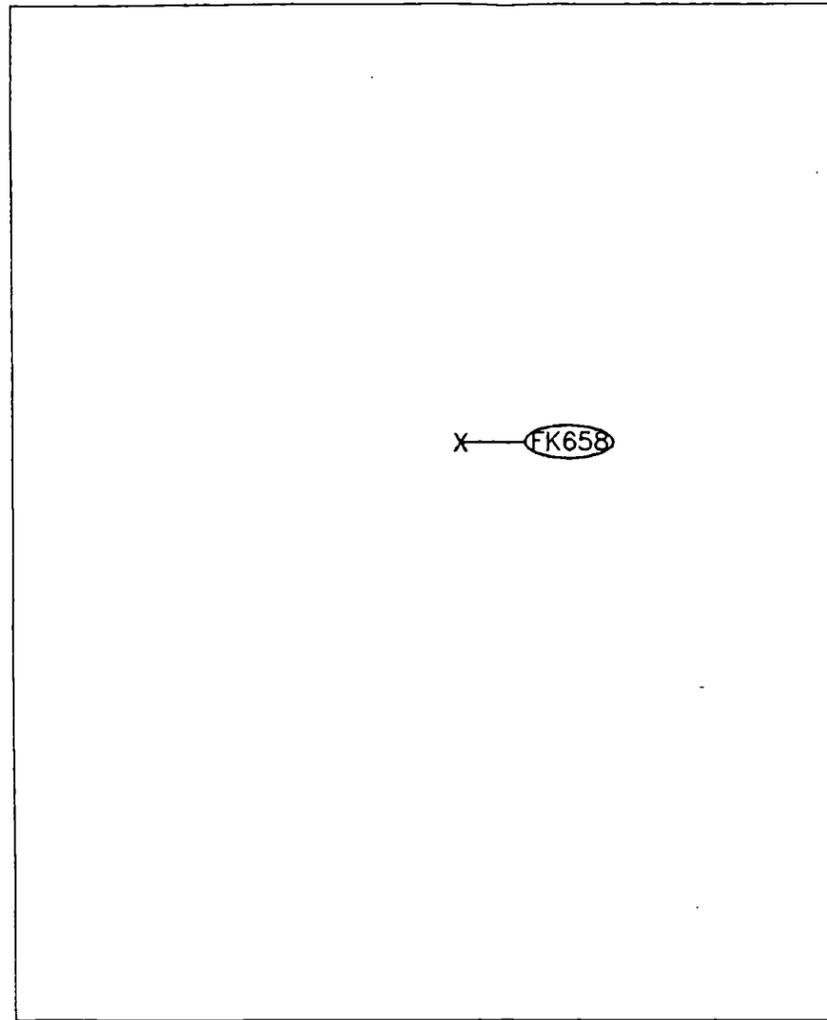
** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: FLOORING

9347-7

FILE: 56019347 & 56019347



BLDG. 9347
NOT TO SCALE



POSITIVE SAMPLE
 NEGATIVE SAMPLE

WESTON
MANAGERS DESIGNERS/CONSULTANTS

9351

WAREHOUSE

WAREHOUSE

9351.1 GENERAL

Building 9351 was surveyed by WESTON technicians on 15 October 1991.

The first three portions of this facility report summarize the results of this inspection. Photographs of some sample locations are provided in Section 9351.4

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 2 samples of suspect material collected from the building. Both samples were found to be asbestos-containing materials (ACM). Table 9351.1 lists the analytical results for the bulk samples.

9351.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 9351 are presented in Table 9351.1. An area-by-area inventory of ACM is provided in Tables 9351.2 and 9351.3. "Other Asbestos-Containing Materials," listed in Table 9351.3, are materials that do not correspond to the standard caption categories listed in Table 9351.2. A prioritized listing of exposure assessments is presented in Table 9351.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 9351.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 9351.2 and 9351.5.



9351.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- Asbestos-containing transite panel board should be disposed of in accordance with all applicable federal, state, and local regulations.

TABLE 9351.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9351, WAREHOUSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK615	STORAGE 1	TRANSITE PANEL BOARD	GRAY,OTH,TRANSITE	45	-	-	NO
FK616	STORAGE 1	TRANSITE PANEL BOARD	GRAY,OTH,TRANSITE	25	-	-	NO

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 9351.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 9351, WAREHOUSE

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
STORAGE 1	-	-	-	-	-	-	-	-	-	-	-	-	*
TOTALS	-	-	-	-	-	-	-	-	-	-	-	-	*

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

9351-4

Table 9351.3

Other Asbestos-Containing Material - Building 9351, Warehouse
Type Occupancy: Adults (Public)

Area	Material Type	Quantity (Unit)
Storage 1	Transite Panel Board	0.625 (MSF)

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

9351-5

TABLE 9351.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 9351, WAREHOUSE

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK615	STORAGE 1	TRANSITE PANEL BOARD	B	3.750E02	3	3	2	1	1	1.00	45
FK616	STORAGE 1	TRANSITE PANEL BOARD	A	2.750E-5	1	1	1	1	1	1.00	25

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 9351.5

COST ESTIMATE* - BUILDING 9351, WAREHOUSE

DESCRIPTION	UNIT COST (\$)	AREA 1	TOTAL
Pipe Fittings (EA)			
<4"	70.30	-	-
4-8"	85.80	-	-
9-14"	192.00	-	-
>14"	216.00	-	-
Pipe Runs (LF)			
<4"	26.50	-	-
4-8"	30.50	-	-
9-14"	42.50	-	-
>14"	60.80	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-
Floor Tile (SF)	5.60	-	-
Boilers/Tanks (SF)	37.90	-	-
Air Handling Equipment (SF)	20.00	-	-
Other		6.9	6.9
SUBTOTAL		6.9	6.9
Difficulty Allowance		-	-
SUBTOTAL		6.9	6.9
Decontamination Units Mobilization		2.0	2.0
SUBTOTAL		8.9	8.9
Contingency @ 15.00%		1.3	1.3
SUBTOTAL		10.2	10.2
Design Fee @ 10.00%		1.0	1.0
SUBTOTAL		11.2	11.2
Air Monitoring @ 10.00%***		1.1	1.1
TOTAL		12.3	12.3

* Amounts Are In Thousands Of Dollars

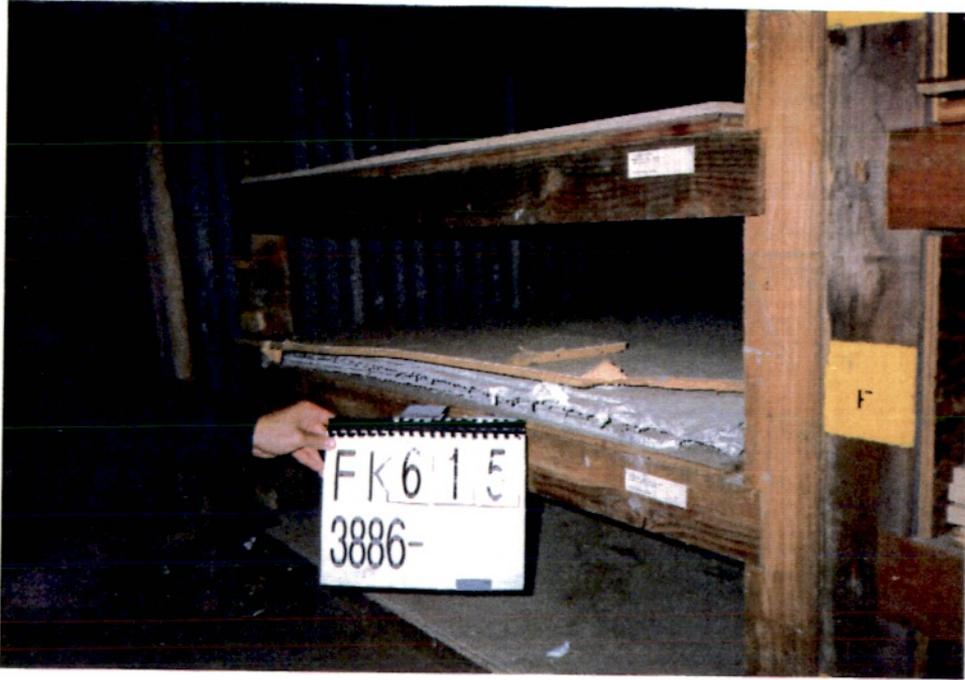
** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

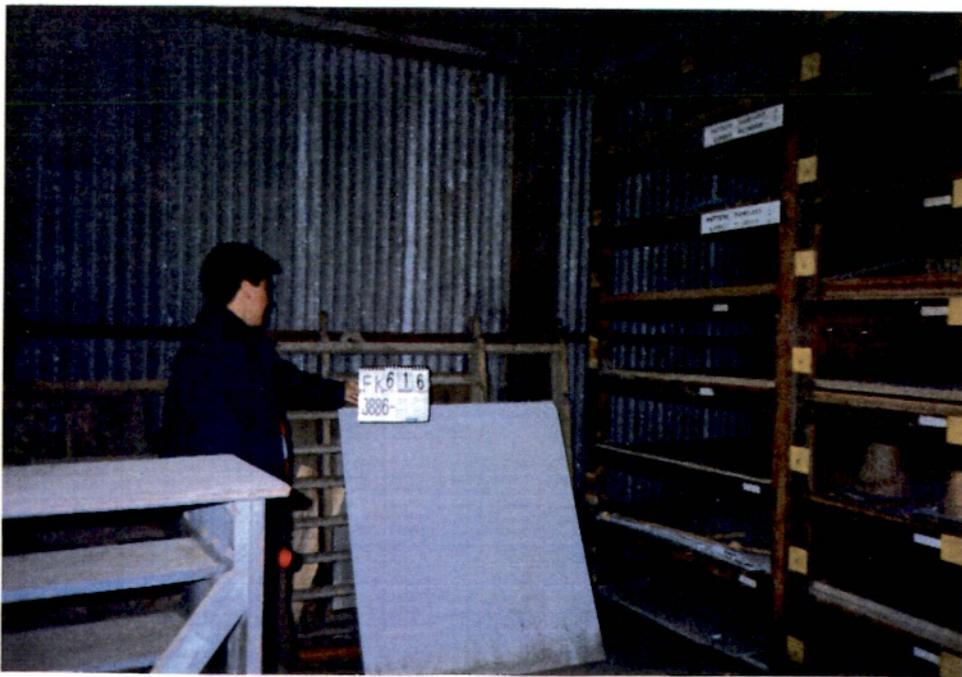
AREA 1: STORAGE 1

9351.4

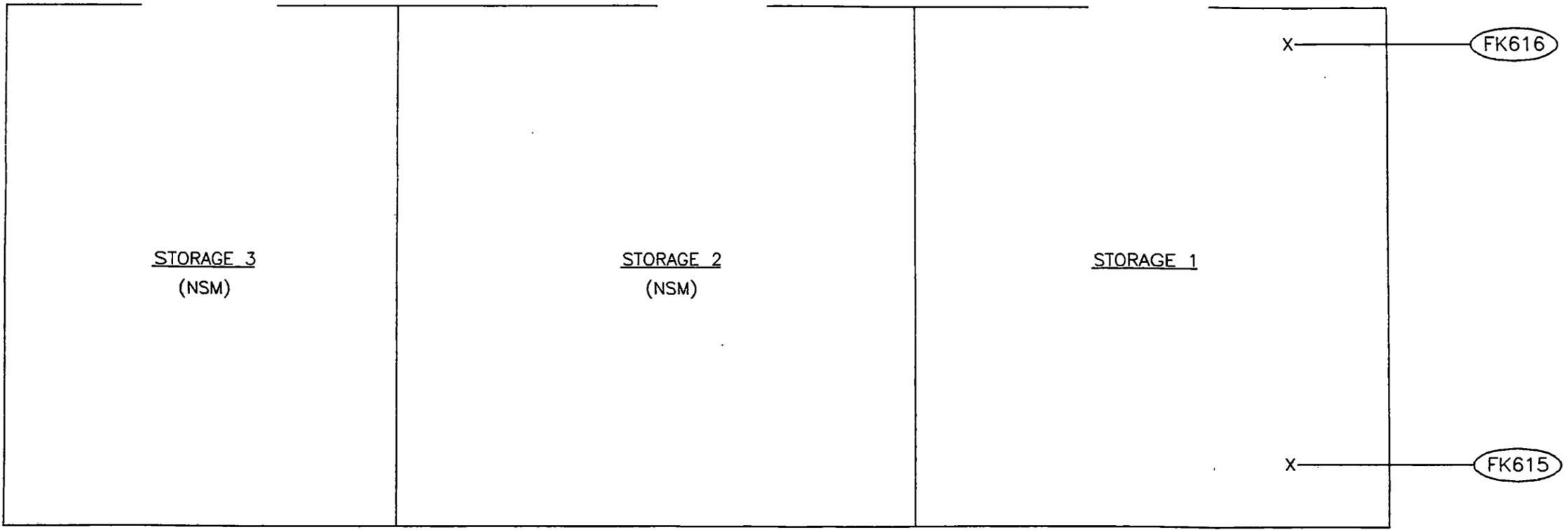
PHOTOGRAPHS



Bldg. 9351 - Storage 1: (Soft) Transite Panels Sample FK615 Tested Positive.



Bldg. 9351 - Storage 1: (Hard) Transite Panels Sample FK616 Tested Positive.



BLDG. 9351
NOT TO SCALE



(NSM) NO SUSPECT MAT'L.
 (FHnn) POSITIVE SAMPLE
 [FHnn] NEGATIVE SAMPLE



9393

LABORATORY



9393

LABORATORY

9393.1 GENERAL

Building 9393 was surveyed by WESTON technicians on 15 October 1991.

The first three portions of this facility report summarize the results of this inspection.

Polarized Light Microscopy (PLM) with dispersion staining was used to analyze 5 samples of suspect material collected from the building. Of these samples, 2 were found to be asbestos-containing materials (ACM). Table 9393.1 lists the analytical results for the bulk samples.

9393.2 ACM AND EXPOSURE ASSESSMENT

The location, description, and analytical results for each bulk sample from Building 9393 are presented in Table 9393.1. An area-by-area inventory of ACM is provided in Tables 9393.2 and 9393.3. "Other Asbestos-Containing Materials," listed in Table 9393.3, are materials that do not correspond to the standard caption categories listed in Table 9393.2. A prioritized listing of exposure assessments is presented in Table 9393.4. The method by which the exposure assessment priority index values are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.5 of the Guide Document that accompanies this report. An itemized area-by-area cost estimate for removal and replacement is provided in Table 9393.5. The method by which removal/replacement costs are calculated is described in the ISSUES COMMON TO ALL BUILDINGS, Section 3.4 of the Guide Document. Building floor plans (see attachment) indicate sample locations and building area names as they are listed in Tables 9393.2 and 9393.5.



9393.3 RECOMMENDATIONS/CONCLUSIONS

WESTON recommends:

- The mechanical room in Building 9393 qualifies for the Army Asbestos Deficiency Abatement Project.
- Asbestos-containing floor tile should be labeled under the O&M Program.

TABLE 9393.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9393, LABORATORY

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	
FK617	STORAGE ROOM	FLOOR TILE	GREEN,OTH,9X9 FL TL	7	-	-	YES
FK618	TEST CHAMBER	ACOUSTICAL WALL TILE	BLACK,OTH,WALL TILE	-	-	-	NO
FK619	TEST CHAMBER	DUPLICATE SAMPLE	BLUE,OTH,WALL TILE	-	-	-	YES
FK620	MECHANICAL ROOM	EXPANSION JOINT(S)	TAN,OTH,EXP. CLOTH	90	-	-	YES
FK621	BATHROOM	FLOOR TILE	TAN,OTH,12X12 FLTL	-	-	-	YES

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

TABLE 9393.2

ASBESTOS-CONTAINING MATERIALS - BUILDING 9393, LABORATORY

AREA	PIPE FITTINGS (EA)				PIPE RUNS (LF)				SPRAY/TROWELED CEILINGS (MSF)	FLOOR TILE (MSF)	BOILERS/ TANKS (MSF)	AIR HANDLING EQUIPMENT (MSF)	OTHER
	<4"	4-8"	9-14"	>14"	<4"	4-8"	9-14"	>14"					
MECHANICAL ROOM	-	-	-	-	-	-	-	-	-	-	-	-	*
STORAGE ROOM	-	-	-	-	-	-	-	-	-	0.90	-	-	-
TOTALS	-	-	-	-	-	-	-	-	-	0.90	-	-	*

* Other Material Present In Various Units Of Measure

EA - Each
 LF - Linear Feet
 MSF - Thousand Square Feet

9393-4

Table 9393.3

Other Asbestos-Containing Material - Building 9393, Laboratory
Type Occupancy: Adults (Public)

Area	Material Type	Quantity (Unit)
Mechanical Room	Expansion Joint	1.0 (EA)

EA - Each
LF - Linear Feet
MSF - Thousand Square Feet

9393-5

TABLE 9393.4

EXPOSURE ASSESSMENTS (PRIORITY ORDER) - BUILDING 9393, LABORATORY

SAMPLE NO.	AREA	MATERIAL TYPE	PRIOR. INDEX CODE	PRIORITY INDEX NUMBER	EXPOSURE FACTORS					AVG. EXP. HOURS	% ASB.
					1	2	3	4	5		
FK620	MECHANICAL ROOM	EXPANSION JOINTS	C	9.500E03	2	2	1	2	10	20.00	90
FK618	TEST CHAMBER	ACOUSTICAL WALL TILE	A	0	2	1	1	1	2	10.00	0

Priority Index Codes

- A [=] Long Term Corrective Measure
- B [=] Review Management Special Considerations/Remarks
- C [=] Army Asbestos Deficiency Abatement Project

Priority Index Numbers Are In Scientific Notation

Exposure Factors

- 1 [=] Material Friability
- 2 [=] Occupant Accessibility
- 3 [=] Material Condition
- 4 [=] Level Of Activity
- 5 [=] Number Of Assigned Occupants

TABLE 9393.5

COST ESTIMATE* - BUILDING 9393, LABORATORY

DESCRIPTION	UNIT COST (\$)	AREA 1	AREA 2	TOTAL
Pipe Fittings (EA)				
<4"	70.30	-	-	-
4-8"	85.80	-	-	-
9-14"	147.00	-	-	-
>14"	216.00	-	-	-
Pipe Runs (LF)				
<4"	26.50	-	-	-
4-8"	30.50	-	-	-
9-14"	42.50	-	-	-
>14"	60.80	-	-	-
Sprayed/Troweled Ceilings (SF)	9.60	-	-	-
Floor Tile (SF)	5.60	-	5.0	5.0
Boilers/Tanks (SF)	37.90	-	-	-
Air Handling Equipment (SF)	20.00	-	-	-
Other		0.3	-	0.3
SUBTOTAL		0.3	5.0	5.3
Difficulty Allowance		-	2.5	2.5
SUBTOTAL		0.3	7.6	7.9
Decontamination Units Mobilization		1.0	1.0	2.0
SUBTOTAL		1.3	8.6	9.9
Contingency @ 15.00%		0.2	1.3	1.5
SUBTOTAL		1.5	9.8	11.3
Design Fee @ 10.00%		0.1	1.0	1.1
SUBTOTAL		1.6	10.8	12.5
Air Monitoring @ 10.00%***		0.6	0.6	1.2
TOTAL		2.3	11.5	13.7

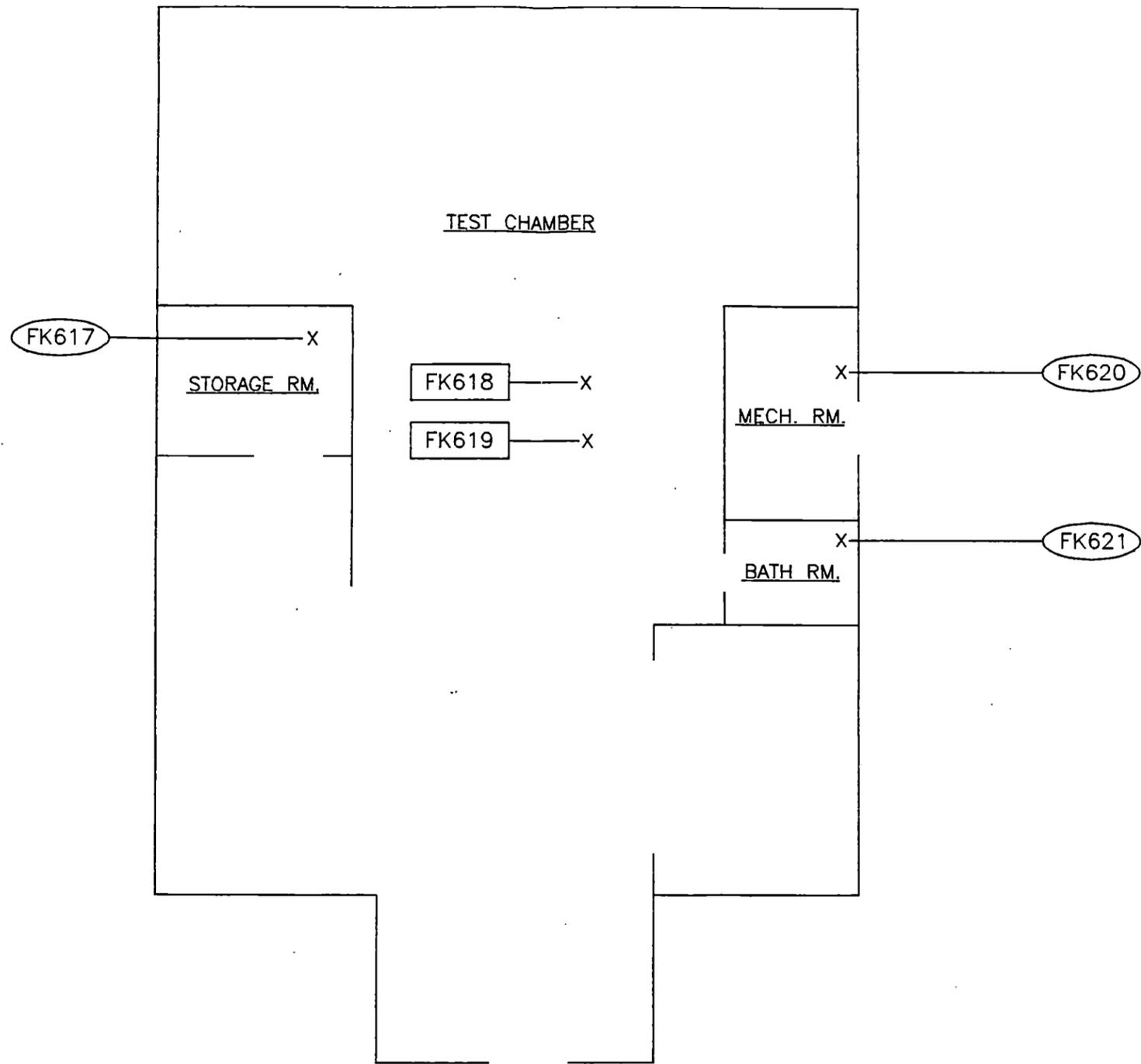
* Amounts Are In Thousands Of Dollars

** Less Than \$100 For The Area; Amount Not Printed But Included In Total(s)

*** The Minimum Air Monitoring Fee is \$500.00 Per Building

AREA 1: MECHANICAL ROOM

AREA 2: STORAGE ROOM



BLDG. 9393
NOT TO SCALE



(NSM) NO SUSPECT MAT'L.
 (FHnn) POSITIVE SAMPLE
 (FHnn) NEGATIVE SAMPLE



9396

LABORATORY GENERAL PURPOSE



9396

LABORATORY GENERAL PURPOSE

9396.1 GENERAL

Building 9396 was surveyed by WESTON technicians on 15 October 1991.

No suspect asbestos-containing material (ACM) was found in the building.

9396.2 CONCLUSION

Based on the survey performed in Building 9396, WESTON concludes that Building 9396 does not contain ACM. This conclusion is made in accordance with the limitations identified in Subsection 1.2.

TABLE 9396.1

BULK SAMPLE ANALYSIS RESULTS - BUILDING 9396, LAB. GEN. PURPOSE

SAMPLE NO.	LOCATION	ITEM	DESCRIPTION	PERCENT ASBESTOS			LAYERED ^a
				CH	AM	OT	

No Asbestos Containing Material Detected In This Building

9396-2

^aAsbestos content presented for layered samples represents the highest concentration layer.

Quadrant Codes

C = Center
 N = North
 E = East
 S = South
 W = West
 NE = Northeast
 NW = Northwest
 SE = Southeast
 SW = Southwest

System Codes

STM = Steam
 CHW = Chilled Water
 HHW = Heating Hot Water
 DOM = Domestic Water
 OTH = Other
 UNK = Unknown

Asbestos Types

CH = Chrysotile
 AM = Amosite
 OT = Other

APPENDIX A
WALK-THROUGH BUILDINGS



APPENDIX A
WALK-THROUGH BUILDINGS

Walk-through surveys were performed by WESTON in several Fort Monmouth buildings. The purpose of these surveys was to establish whether the buildings designated as "walk-through" are similar to the primary reference buildings with respect to construction and suspect asbestos materials.

The data presented on walk-through buildings provide a general guideline on the type and quantity of ACM that can be expected to be found in these buildings. However, since no actual sampling or analysis was performed in these buildings, the data collected should be used only as a management tool for establishing priorities for future asbestos management and abatement actions.

The following are the designated "walk-through" buildings, listed opposite are their corresponding primary reference buildings. Building Survey Reports for the primary reference buildings can be found in Volumes I, II, and III of the Phase III Asbestos Survey Report.

Walk-Through

Primary Reference

Building 65
Building 262
Building 334
Building 335
Building 336
Building 451
Building 484
Building 621
Building 744
Building 748
Building 788
Building 914
Building 1000
Building 1200
Building 2503
Building 3050
Building 3052

Building 64
Building 265
Building 320
Building 320
Building 320
Building 454
Building 159
Building 673
Building 743
Building 746
Building 787
Building 910
Building 1001
Building 1204
Building 2506
Building 3028
Building 3028

BUILDING 65

A walk-through survey was performed in Building 65 on 4 April 1991.

During the walk-through survey, suspect asbestos-containing floor tiles were found in Building 65. No other suspect ACM was found in this building.

The floor tiles found in Building 64 (primary building) were sampled and confirmed to be ACM.

BUILDING 262

A walk-through survey was performed in Building 262 on 10 April 1991.

During the walk-through survey, suspect asbestos-containing floor tiles and pipe insulation were found in Building 262.

The floor tiles and pipe insulation found in Building 265 (primary building) were sampled and confirmed to be ACM.

BUILDING 334

A walk-through survey was performed in Building 334 on 9 April 1991.

No suspect ACM was found in the building. Building 334 is therefore designated an asbestos-free building in accordance with the limitations identified in Subsection 1.2.

BUILDING 451

A walk-through survey was performed in Building 451 on 10 April 1991.

No suspect ACM was found in the building. Building 451 is therefore designated an asbestos-free building in accordance with the limitations identified in Subsection 1.2.

BUILDING 484

A walk-through survey was performed in Building 484 on 9 April 1991.

During the walk-through survey, suspect asbestos-containing floor tiles were found in Building 484. No other suspect ACM was found in this building.

The floor tiles found in Building 159 (primary building) were sampled and confirmed to be ACM.

BUILDING 621

A walk-through survey was performed in Building 621 on 6 June 1991.

During the walk-through survey, suspect asbestos-containing transite panels and floor tiles were found in Building 621.

The transite panels and floor tiles found in Building 673 (primary building) were samples and confirmed to be ACM.

BUILDING 744

A walk-through survey was performed in Building 744 on 7 June 1991.

During the walk-through survey, suspect asbestos-containing transite panels and floor tiles were found in Building 744.

The floor tiles found in Building 743 (primary building) were sampled and confirmed to be ACM. However, no transite panel was found in Building 743.

BUILDING 748

A walk-through survey was performed in Building 748 on 7 June 1991.

During the walk-through survey, suspect asbestos-containing transite panels and floor tiles were found in Building 748.

The transite panels and floor tiles found in Building 746 (primary building) were sampled and confirmed to be ACM.

BUILDING 788

A walk-through survey was performed in Building 788 on 4 June 1991.

During the walk-through survey, suspect asbestos-containing floor tiles were found in Building 788. No other suspect ACM was found in the building.

The floor tiles found in Building 787 (primary building) were sampled and confirmed to be ACM.

BUILDING 914

A walk-through survey was performed in Building 914 on 13 June 1991.

During the walk-through survey, suspect asbestos-containing floor tiles and exterior fireproofing material were found in Building 914.

The floor tiles and exterior fireproofing material found in Building 910 (primary building) were sampled and confirmed to be ACM.

BUILDING 1000

A walk-through survey was performed in Building 1000 on 15 October 1991.

During the walk-through survey, suspect asbestos-containing (9 x 9 in. and 12 x 12 in.) floor tiles and pipe fittings were found in Building 1000.

The 9 x 9 in. floor tiles found in Building 1000 (primary building) were sampled and confirmed to be ACM. However, the 12 x 12 in. floor tiles and pipe fittings found in Building 1001 were sampled and confirmed to be non-ACM.

BUILDING 1200

A walk-through survey was performed in Building 1200 on 7 October 1991.

During the walk-through survey, suspect asbestos-containing floor tiles were found in Building 1200.

The floor tiles found in Building 1204 (primary building) were sampled and confirmed to be ACM.

BUILDING 2503

A walk-through survey was performed in Building 2503 on 11 October 1991.

During the walk-through survey, suspect asbestos-containing floor tiles were found in Building 2503.

The floor tiles found in Building 2506 (primary building) were sampled and confirmed to be ACM.

BUILDING 3050

A walk-through survey was performed in Building 3050 on 18 October 1991.

During the walk-through survey, suspect asbestos-containing (9 x 9 in. and 12 x 12 in.) floor tiles and pipe insulation were found in Building 3050.

The 9 x 9 in. floor tiles and pipe insulation found in Building 3028 (primary building) were sampled and confirmed to be ACM. However, the 12 x 12 in. floor tiles found in Building 3028 were sampled and confirmed to be non-ACM.

BUILDING 3052

A walk-through survey was performed in Building 3052 on 18 October 1991.

During the walk-through survey, suspect asbestos-containing (12 x 12 in.) floor tiles and pipe insulation were found in Building 3052.

The pipe insulation found in Building 3028 (primary building) was sampled and confirmed to be ACM. However, the 12 x 12 in. floor tiles found in Building 3028 were sampled and confirmed to be non-ACM.

BUILDING 335

A walk-through survey was performed in Building 335 on 9 April 1991.

No suspect ACM was found in the building. Building 335 is therefore designated an asbestos-free building in accordance with the limitations identified in Subsection 1.2.

BUILDING 336

A walk-through survey was performed in Building 336 on 9 April 1991.

No suspect ACM was found in the building. Building 336 is therefore designate an asbestos-free building in accordance with the limitations identified in Subsection 1.2.