

## ASBESTOS ASSESSMENT REPORT

Facility Identification Number: 977

Report Date: July 1998

Facility Description: Dormitory

Date of Construction: 1959

Approximate Square Footage: 25,906 SF

Occupied: No

### Exterior Components:

The exterior walls of the building are concrete tilt-up panels finished with stucco. The building has a flat roof covered with built-up roofing material with ballast.

### Interior Components:

The building is a three story concrete tilt-up structure with a concrete deck floor assembly. The floors are finished with resilient flooring, carpet and ceramic tiles. The interior walls and ceilings are finished with drywall and plaster. The ceilings are additionally finished with spray-on acoustical ceiling material.

### Previous Survey Information:

No previous survey information was available for this facility.

### Findings:

1. The following friable suspect asbestos-containing materials were identified in this facility.
  - a. Asbestos-Containing Tank Insulation
  - b. Non-Asbestos-Containing Fiberglass Pipe Insulation
  - c. Non-Asbestos-Containing Joints A/W Fiberglass pipe Insulation
  - d. Non-Asbestos-Containing White Spray-On Acoustical Ceiling Material
  
2. The following non-friable suspect asbestos-containing materials were identified in the facility.
  - a. Asbestos-Containing 9" Green VFT/Mastic

- b. Asbestos-Containing 12" White w/Gray Streaks VFT/Mastic
- c. Asbestos-Containing 12" Beige VSF/Mastic
- d. Non-Asbestos-Containing Baseboard/Mastic
- e. Non-Asbestos-Containing Drywall/Tape/Compound
- f. Non-Asbestos-Containing Plaster
- g. Non-Asbestos-Containing Built-Up Roofing Material with Ballast
- h. Asbestos-Containing Roof Mastic
- i. Non-Asbestos-Containing Roofing Material
- j. Non-Asbestos-Containing Window Glazing

The following Suspect/Confirmed Asbestos-Containing Material Inventory lists the material description, general location, sample number, asbestos content, friability, and condition. All materials were sampled during the survey. Materials which were bulk sampled and for which laboratory analysis revealed no detectable level of asbestos present have been included on the table for reference purposes only.

**SUSPECT/CONFIRMED ASBESTOS-CONTAINING MATERIAL INVENTORY**

MATERIAL DESCRIPTION	LOCATION	SAMPLE NUMBER	ASBESTOS CONTENT	FRIABLE ACM	DAMAGED ACM
Tank Insulation	Room: 115	977-01, 02, 03	60% Amosite	Yes	Yes (See Note 1)
Fiberglass Pipe Insulation	Rooms: 113 and 115	977-04, 05, 06	None Detected	N/A	N/A
Joints A/W Fiberglass Pipe Insulation	Rooms: 113 and 115	977-07, 08, 09	None Detected	N/A	N/A
9" Green VFT/Mastic	Throughout the Building (See Note 2)	977-10, 11, 12	5% Chrysotile	No	Yes (See Note 3)
12" White w/Gray Streaks VFT/Mastic	Room: 113	977-13, 14, 15	Trace Chrysotile	No	Yes (See Note 4)
12" Beige VSF/Mastic	Rooms: 107A, 124, 207, 226, 307, and 325	977-16, 17, 18	Trace Chrysotile	No	No
Baseboard/Mastic	Throughout the Building	977-19, 20, 21	None Detected	N/A	N/A
Drywall/Tape/Compound	Rooms: 131 and 332	977-22, 23, 24	None Detected	N/A	N/A
Plaster	Throughout the Building	977-25, 26, 27, 28, 29, 30, 31, 32, 33	None Detected	N/A	N/A
White Spray-On Acoustical Ceiling Material	Throughout the Building	977-34, 35, 36, 37, 38, 39, 40, 41, 42	None Detected	N/A	N/A
Built-Up Roofing Material w/Ballast	Roof	977-43, 44, 45	None Detected	N/A	N/A
Roof Mastic	Roof	977-46, 47, 48	15% Chrysotile	No	No
Roofing Material	Roof	977-49, 50, 51	None Detected	N/A	N/A
Window Glazing	Exterior Windows	977-52, 53, 54	None Detected	N/A	N/A

Note 1: The tank insulation has physical damage and is delaminating at the bottom of the tank. The damage is located in Room 115. Approximately 15 square feet of damage is present.

Note 2: The 9" green VFT/mastic is located under the carpet throughout the building.

Note 3: The 9" green VFT/mastic has physical damage. The damage is located in Room 114. Approximately 10 square feet of damage is present.

Note 4: The 12" white w/gray streaks VFT/mastic has physical damage. The damage is located in Room 113. Approximately 360 square feet of damage is present.

ASBESTOS MATERIAL INVENTORY		
MATERIAL TYPE	ASBESTOS CONTENT	FRIABLE
TANK INSULATION	60% AMOSITE	YES
8" GREEN VT/AMTIC	5% CHRYSOTILE	NO
12" WHITE W/GRAY STREAMS VT/AMTIC	TRACE CHRYSOTILE	NO
12" BEIGE VSF/AMTIC	TRACE CHRYSOTILE	NO

MARCH AIR RESERVE BASE, CALIFORNIA  
 ASBESTOS SURVEY OF NON-CANTONMENT AREA  
 INDUSTRIAL AND RESIDENTIAL STRUCTURES

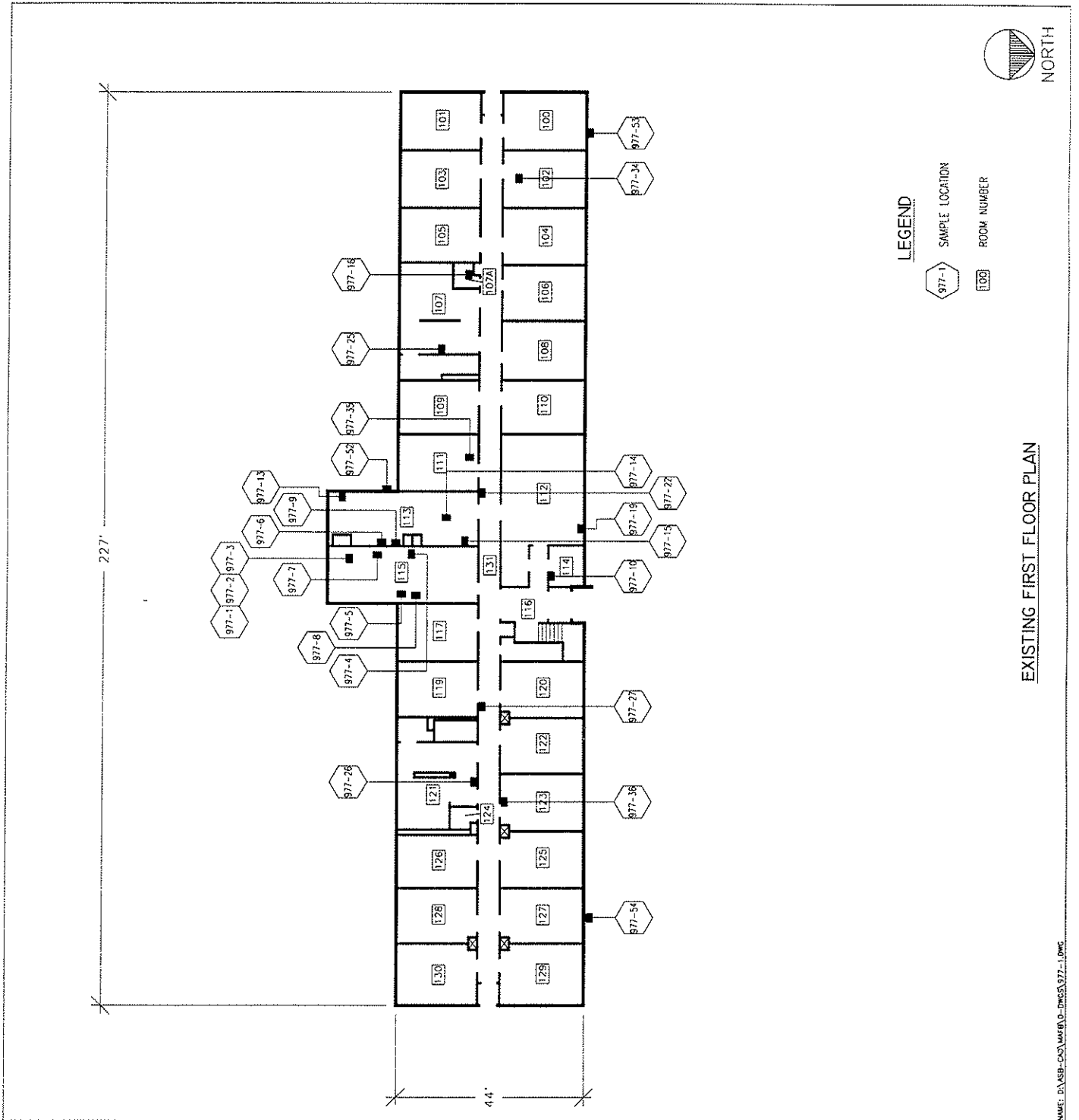
U.S. DEPARTMENT OF THE AIR FORCE  
 HQ AFCEE/ERB  
 3207 NORTH ROAD, BROOKS, TX 78235-5363

CONTRACT NO. F41624-94-D-8139 CONTRACT NO. 0067  
 PROJECT: BUILDING #977

EARTHTECH  
 100 West Broadway, Suite 500, Dallas 9587-4403

PROJECT NO. 23517-02  
 DRAWN BY: P. MARINIZ  
 APPROVED: L. JENSEN  
 SCALE: NOT TO SCALE  
 DATE: 11-3-97

REVISION NO. SHEET NO. A-1  
 1 OF 3



ASBESTOS MATERIAL INVENTORY		
MATERIAL TYPE	ASBESTOS CONTENT	FRIABLE
17' BEGE VY/MASTIC	TRACE CHRYSOTILE	NO
9' GREEN VY/MASTIC	5% CHRYSOTILE	NO

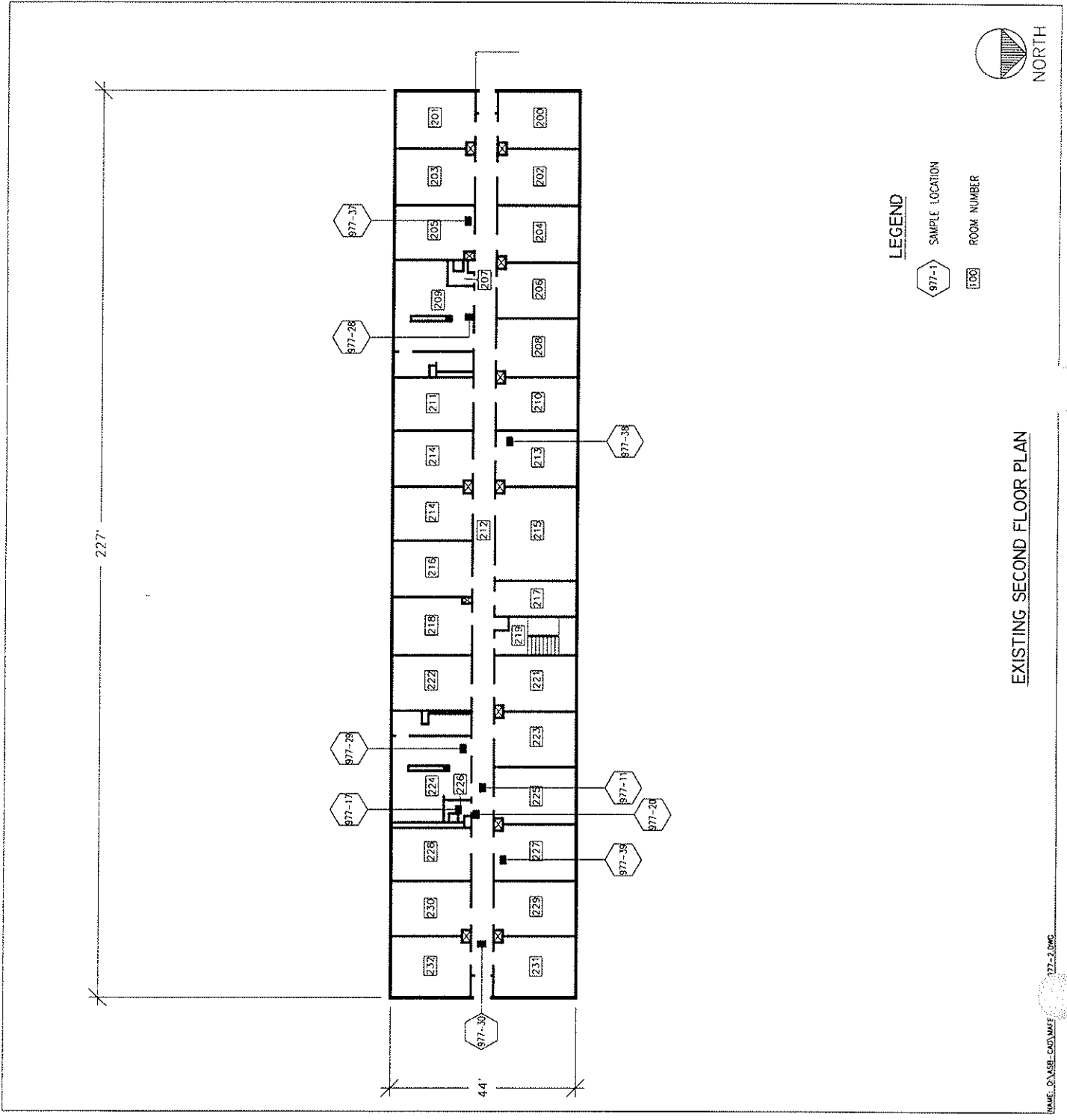
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 HQ AFCEC/ERB  
 3207 NORTH ROAD, BROOKS, TX 78235-5363  
 CONTRACT NO. F41624-94-D-8138 CONTRACT NO. 0067  
 PROJECT: BUILDING #977

REV	DATE	DESCRIPTION	REVISION NO.
1			
2			
3			

PROJECT NO.	DATE	DESCRIPTION	REVISION NO.
23517-03			
DRAWN BY: P. MCKENZIE			
APPROVED: L. JENSEN			
TITLE: ASBESTOS SURVEY			
NOT TO SCALE			
DATE: 11-3-97			

EARTHTECH  
 110 West Broadway, Suite 500 Long Beach, California 90801-4443

A-2  
 2 OF 3



ASBESTOS MATERIAL INVENTORY		
MATERIAL TYPE	ASBESTOS CONTENT	FRIABLE
9" GREEN VST/MASTIC	5% CHRYSOTILE	NO
12" BEDE VST/MASTIC	TRACE CHRYSOTILE	NO
ROOF MASTIC	15% CHRYSOTILE	NO

MARCH AIR RESERVE BASE, CALIFORNIA  
 ASBESTOS SURVEY OF NON-CANTONMENT AREA  
 INDUSTRIAL AND RESIDENTIAL STRUCTURES

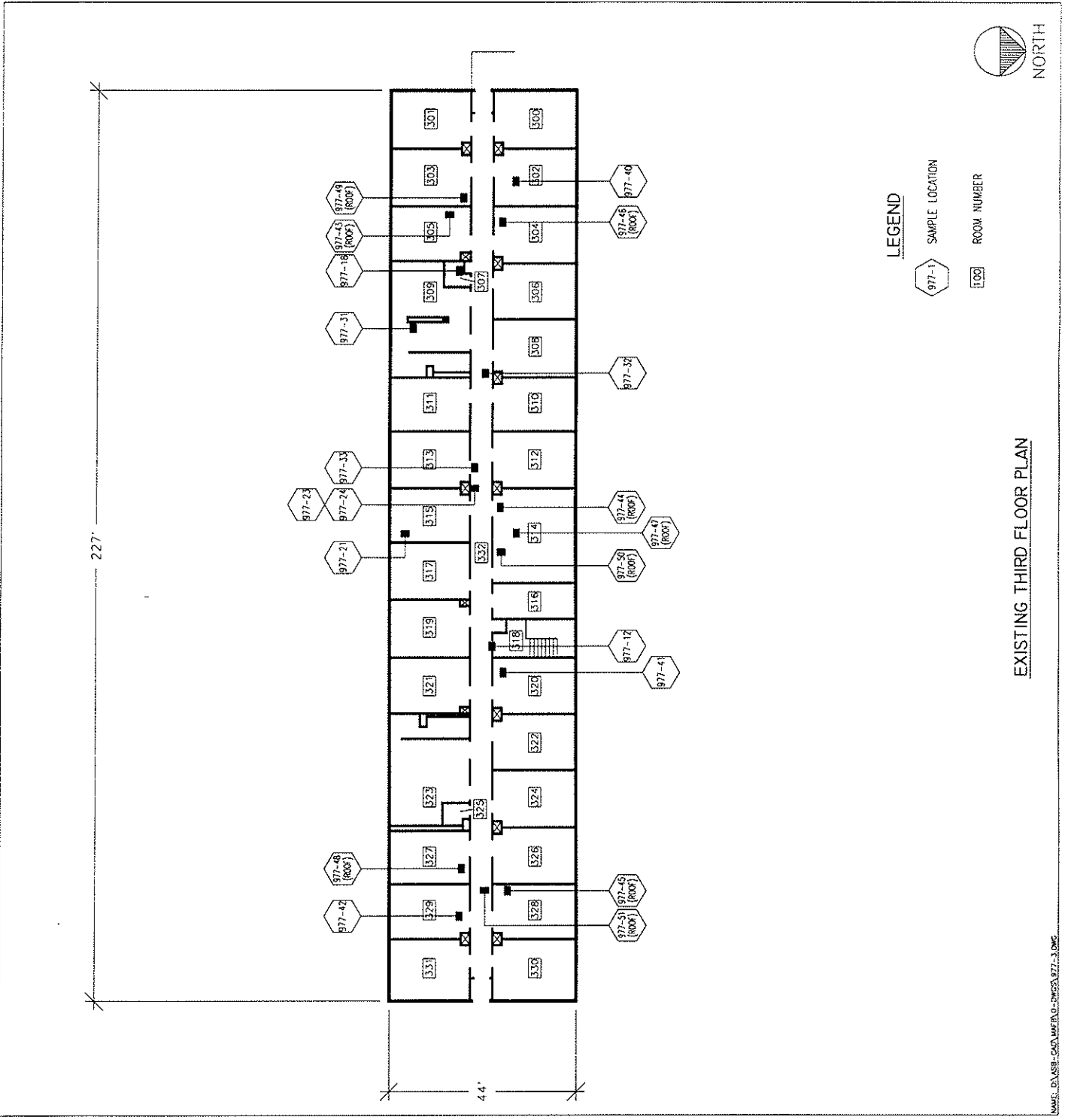
U.S. DEPARTMENT OF THE AIR FORCE  
 HQ AFCEE/ERB  
 3207 NORTH ROAD, BROOKS, TX 76235-5363

CONTRACT NO. F41624-94-D-8138 CONTRACT NO. 0057  
 PROJECT: BUILDING #977

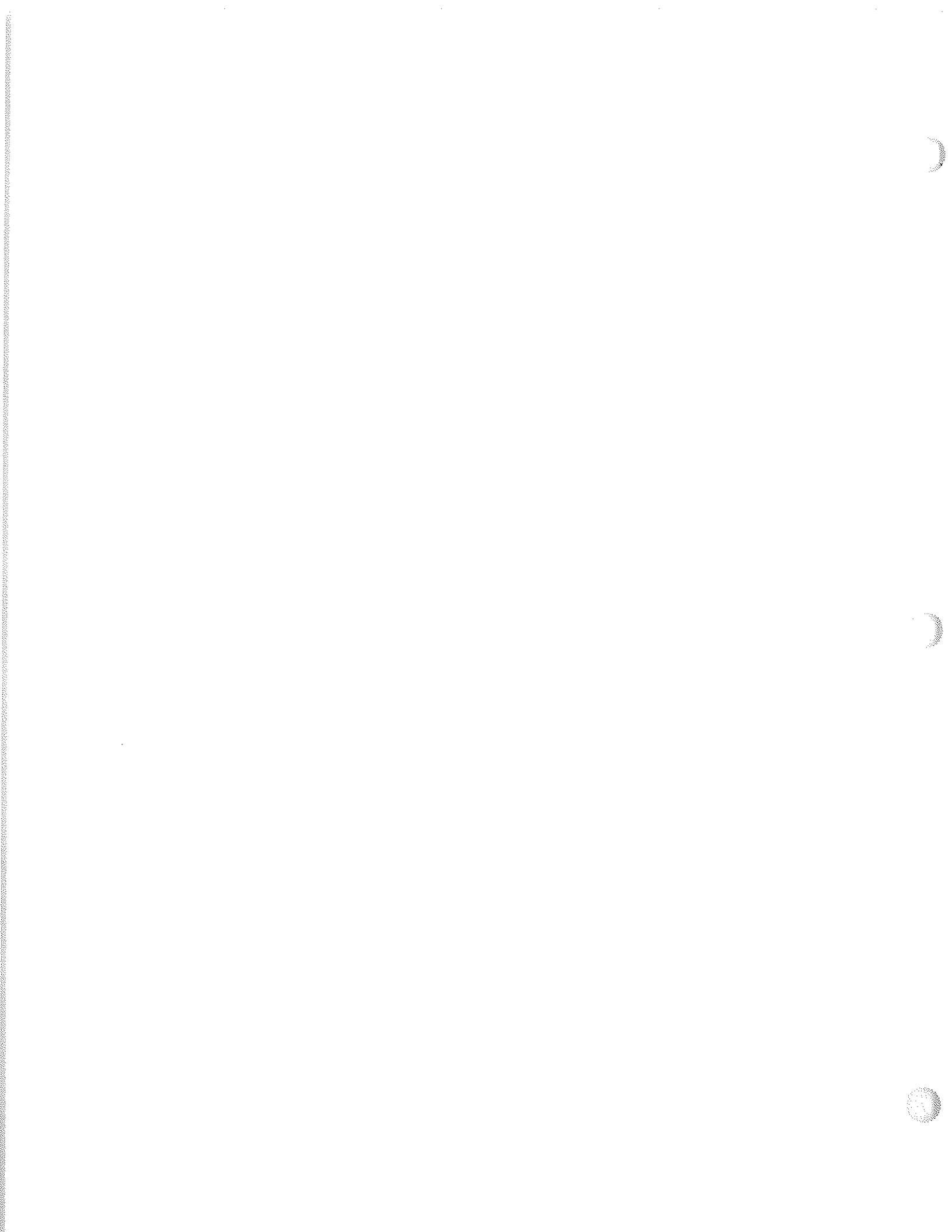
EARTHTECH  
 100 Red Branch, Suite 500 Long Beach, California 90802-4403

PROJECT NO.	23517-03	REV.	DATE	REVISION
DRAWN BY	P. MCKINZIE	Δ		
APPROVED BY	J. JENSEN	Δ		
SCALE	NOT TO SCALE	Δ		
DATE	11-3-97	Δ		

A-3  
3 OF 3



EXISTING THIRD FLOOR PLAN

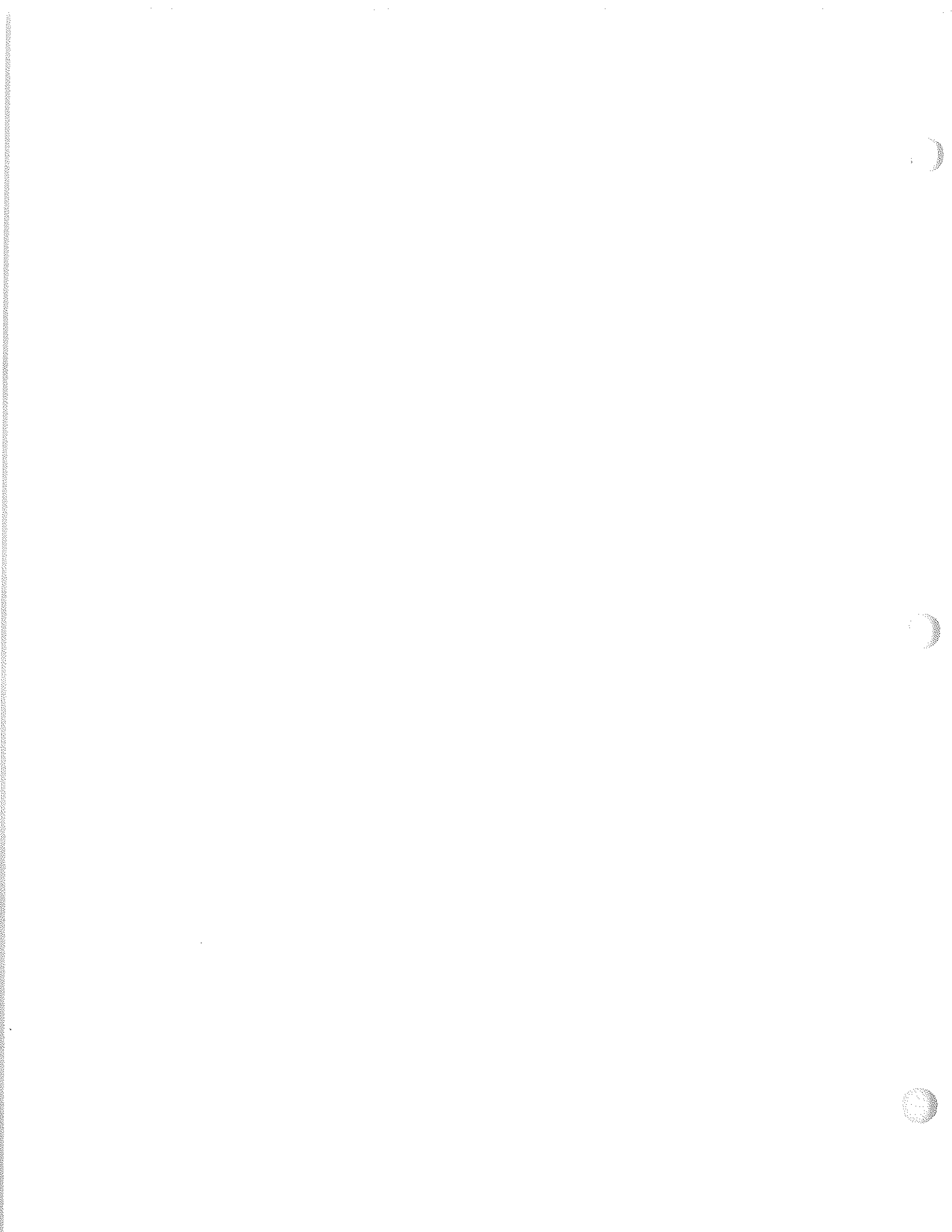


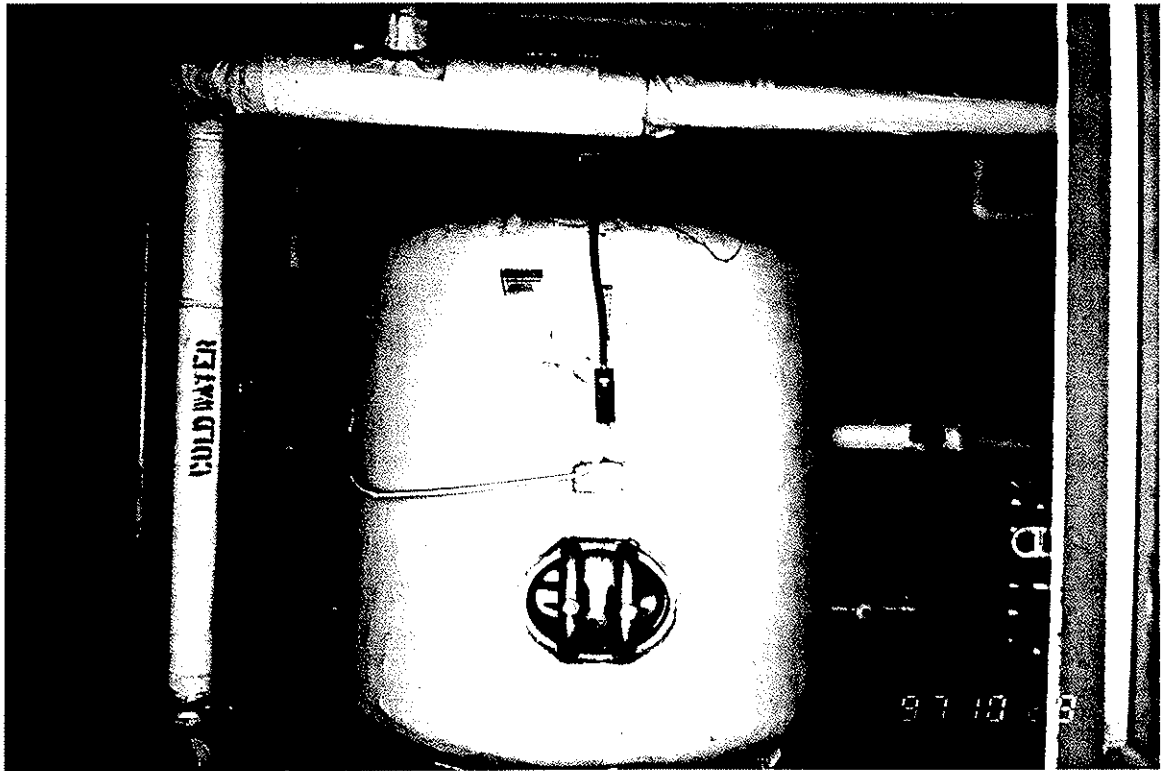


1. Facility 977, exterior front view.



2. Facility 977, exterior side view.

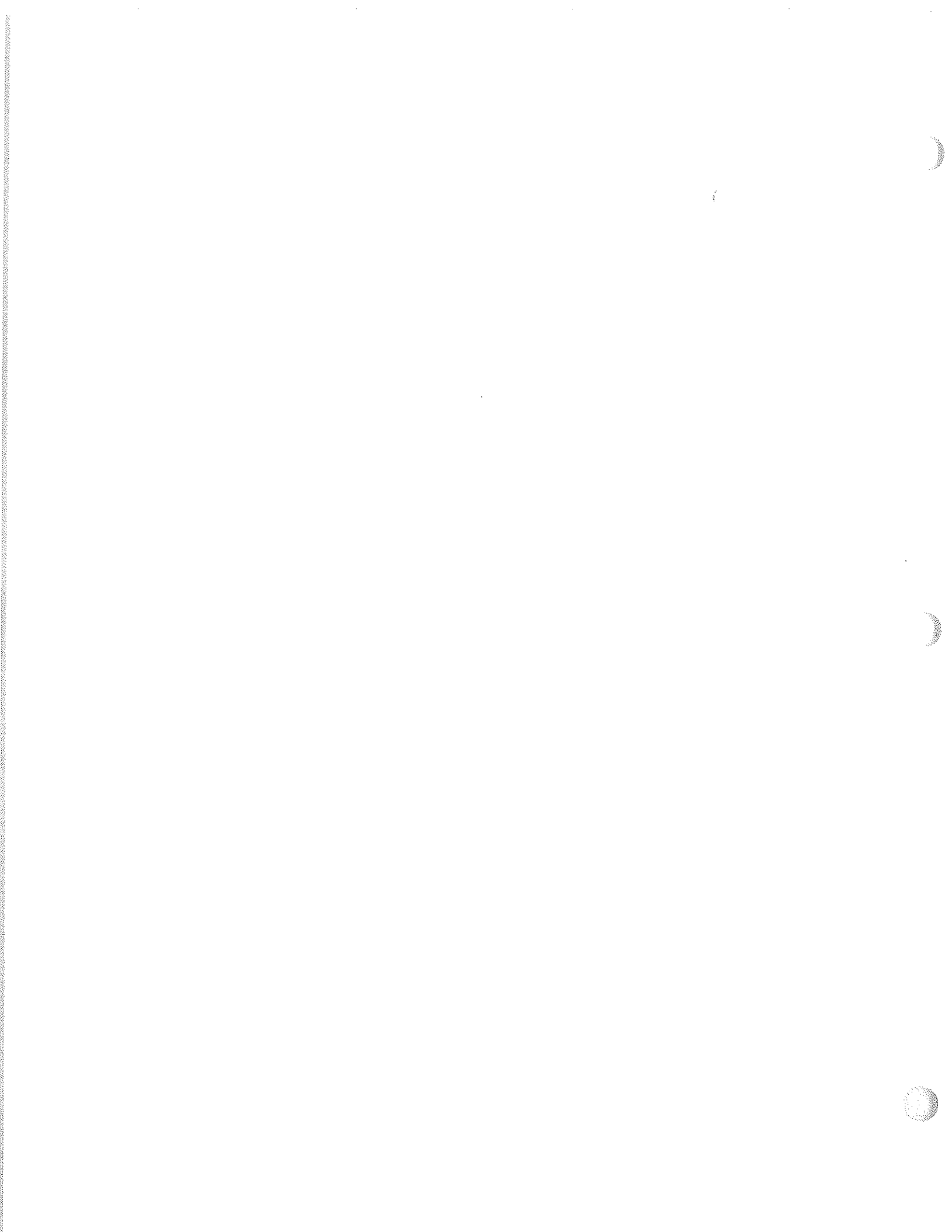




3. Facility 977, delaminating tank insulation along bottom of tank.

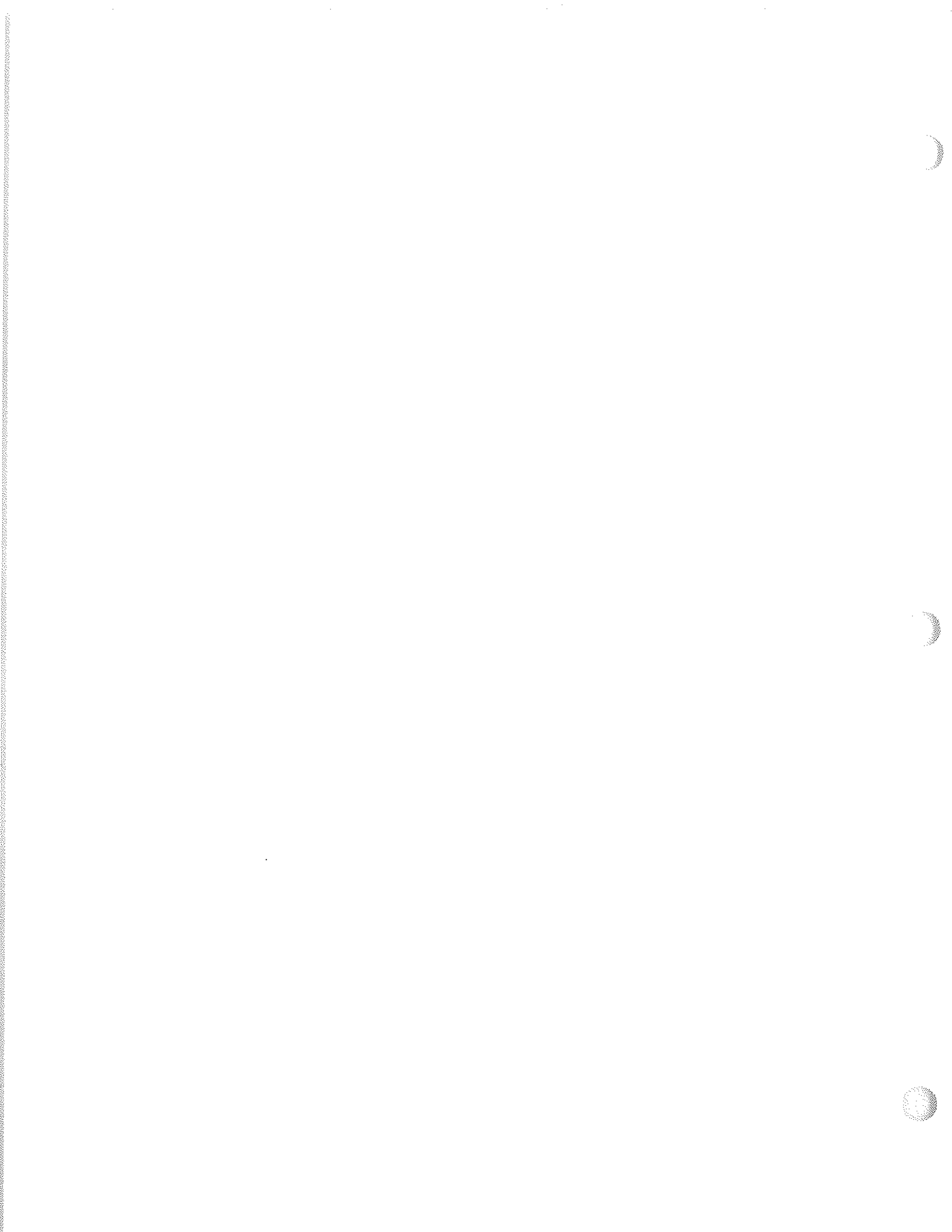


4. Facility 977, damaged 9" green VFT/mastic.





5. Facility 977, damaged 12" white with gray streaks VFT/mastic.



# RJ Lee Group, Inc.

530 McCormick Street • San Leandro, CA 94577  
(510) 567-0480 • FAX (510) 567-0488

November 11, 1997

Mr. Roy Litzenberg  
The Earth Technology, Inc.  
100 West Broadway, Suite 5000  
Long Beach, CA 90802

RE: PLM Standard Asbestos Analysis Results for Samples as Shown on Test Report  
RJLeeGroup, Inc. Job No.: AOC711059  
Client P.O./Job Number: MARB  
Client Job Name/Location: Bldg 977

Dear Mr. Litzenberg:

Enclosed are the results from the polarized light microscopy (PLM) asbestos analysis of the above referenced sample(s). Sample(s) were analyzed in accordance with guidelines set forth in the EPA Method for the Determination of Asbestos in Bulk Building Materials, U.S. EPA/600/R-93/116 (7/93 Edition).

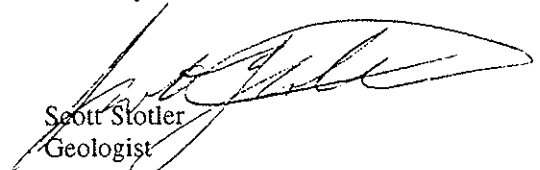
Test Report lists each sample identification number, gross sample description, sample location, type(s) and concentration of asbestos, type(s) and concentration of nonasbestos fibers, major components and concentration of nonfibrous material (NFM), sample run date, analyst, sample homogeneity, and a layer breakdown if applicable. All concentrations are given in area percents (visual estimation).

RJ Lee Group, Inc. is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) (NVLAP Participant Number 1208-2) for bulk asbestos fiber analysis (PLM), and by the California Department of Health Services, Environmental Laboratory Accreditation Program (CALELAP) for bulk asbestos analysis. Neither the NVLAP Accreditation of this laboratory nor this report may be used to claim product endorsement by NVLAP or any agency of the United States government.

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the sample(s) covered by this report, RJ Lee Group will store the sample(s) for a period of ninety (90) days before discarding. A shipping and handling fee will be assessed for the return of any sample(s).

If you have any questions on this report or if RJ Lee Group, Inc. can be of further assistance, please do not hesitate to call.

Sincerely,

  
Scott Stotler  
Geologist

SS/dd  
Enclosure

Monroeville, PA • San Leandro, CA • Washington, D.C. • Houston, TX  
Chopra-Lee, Inc., Grand Island, NY

# Test Report - The Earth Technology Corporation

Project #: MARB (Bldg 977); 23517-04

Project AOC711059

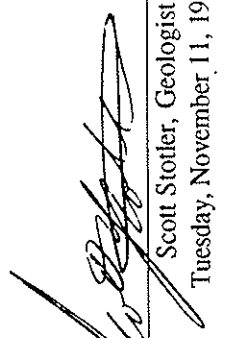
-----Asbestos-----Nonasbestos-----  
 Mineral Fibrous Synthetic Other NonFibrous Run Date  
 Sample Appearance Client Sample Number Chrysotile Amosite Crocidolite Anthophyllite Tremolite Actinolite Cellulose Wool Glass Fibers Fibers Material Analyst

Sample Number / Sample Appearance	Client Sample Number	Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Wool	Glass	Fibers	Fibers	Material	Analyst
1652125CPL White insulation tank	977-01	-	60 %	-	-	-	-	<1 %	1 %	-	-	-	39 %	11/11/97 SS Homogeneous
NFM: Qtz, Carb, Opaq, Misc. Part.														
1652126CPL White insulation tank	977-02	-	60 %	-	-	-	-	<1 %	-	-	-	-	40 %	11/11/97 SS Homogeneous
NFM: Qtz, Carb, Opaq, Misc. Part.														
1652127CPL White insulation tank	977-03	-	60 %	-	-	-	-	<1 %	1 %	-	-	-	39 %	11/11/97 SS Homogeneous
NFM: Qtz, Carb, Opaq, Misc. Part.														
1652128CPL White fiberglass pipe insulation	977-04	-	-	-	-	-	-	<1 %	80 %	-	-	-	20 %	11/11/97 SS Homogeneous
NFM: Qtz, Carb, Binder, Opaq, Misc. Part.														
1652129CPL White fiberglass pipe insulation	977-05	-	-	-	-	-	-	1 %	80 %	-	-	-	19 %	11/11/97 SS Homogeneous
NFM: Qtz, Carb, Binder, Opaq, Misc. Part.														
1652130CPL White fiberglass pipe insulation	977-06	-	-	-	-	-	-	1 %	80 %	-	-	-	19 %	11/11/97 SS Homogeneous
NFM: Qtz, Carb, Binder, Opaq, Misc. Part.														

Samples received on: Tuesday, November 4, 1997

Authorized Signature

Date



Scott Stotler, Geologist  
 Tuesday, November 11, 1997

530 McCormick Street  
 San Leandro, CA 94577

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 Fax (510) 567-0488

RJ Lee Group, Inc.  
 Bay Area Lab

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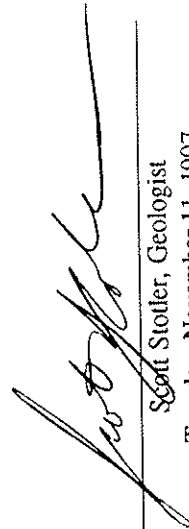
Project AOC711059

-----Asbestos-----Nonasbestos-----

Sample Number / Sample Appearance	Client	Sample Number	Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Wool	Glass	Fibers	Fibers	Other	NonFibrous	Run Date	Analyst
1652131CPL White pipe insulation	977-07	-	-	-	-	-	-	-	5 %	5 %	-	-	-	-	90 %	11/11/97	SS
NFM: Qtz, Carb, Opaq, Misc. Part.																	
1652132CPL White pipe insulation	977-08	-	-	-	-	-	-	-	1 %	10 %	-	-	-	-	89 %	11/11/97	SS
NFM: Qtz, Carb, Opaq, Misc. Part.																	
1652133CPL White pipe insulation	977-09	-	-	-	-	-	-	-	<1 %	15 %	-	-	-	-	85 %	11/11/97	SS
NFM: Qtz, Carb, Opaq, Misc. Part.																	
1652134CPL Green floor tile with black mastic Layer Content:	977-10	-	5 %	-	-	-	-	-	<1 %	-	-	-	-	-	95 %	11/11/97	SS
Tile: 5% Chrysotile; Mastic: 10% Chrysotile																	
1652135CPL Green floor tile with black mastic Layer Content:	977-11	-	5 %	-	-	-	-	-	<1 %	-	-	-	-	-	95 %	11/11/97	SS
Tile: 5% Chrysotile; Mastic: 10% Chrysotile																	
1652136CPL Green floor tile with black mastic Layer Content:	977-12	-	5 %	-	-	-	-	-	<1 %	-	-	-	-	-	95 %	11/11/97	SS
Tile: 5% Chrysotile; Mastic: 10% Chrysotile																	

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Authorized Signature



Scott Stotler, Geologist

Tuesday, November 11, 1997

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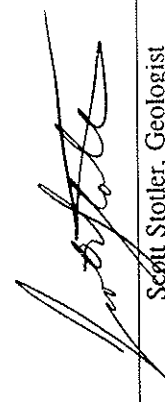
Project AOC711059

-----Asbestos-----Nonasbestos-----

Sample Number / Sample Appearance	Client Sample Number	Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Wool	Glass	Fibers	Synthetic	Other	NonFibrous	Run Date
1652137CPL White floor tile with brown mastic Layer Content: Tile: <1% Chrysotile; Mastic: None Detected	977-13	<1 %	-	-	-	-	-	<1 %	-	-	-	-	-	99+ %	11/11/97
1652138CPL White floor tile with brown mastic Layer Content: Tile: <1% Chrysotile; Mastic: None Detected	977-14	<1 %	-	-	-	-	-	<1 %	-	-	-	-	-	99+ %	11/11/97
1652139CPL White floor tile with brown mastic Layer Content: Tile: <1% Chrysotile; Mastic: None Detected	977-15	<1 %	-	-	-	-	-	<1 %	-	-	-	-	-	99+ %	11/11/97
1652140CPL Beige VSF with brown mastic, green floor tile with black mastic Layer Content: Green Tile: 1% Chrysotile; Other Layers: None Detected	977-16	<1 %	-	-	-	-	-	2 %	-	-	-	-	-	98 %	11/11/97
1652141CPL Beige VSF with brown mastic, green floor tile with black mastic Layer Content: Green Tile: 1% Chrysotile; Other Layers: None Detected	977-17	<1 %	-	-	-	-	-	2 %	-	-	-	-	-	98 %	11/11/97
1652142CPL Beige VSF with brown mastic, green floor tile with black mastic Layer Content: Green Tile: 1% Chrysotile; Other Layers: None Detected	977-18	<1 %	-	-	-	-	-	2 %	-	-	-	-	-	98 %	11/11/97

Samples received on: Tuesday, November 4, 1997

Authorized Signature



Scott Stotler, Geologist

Tuesday, November 11, 1997

Date

RJ Lee Group, Inc.  
Bay Area Lab

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San Leandro, CA 94577

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# Test Report - The Earth Technology Corporation

Project #: MARB (Bldg 977); 23517-04

Project AOC711059

Sample Number / Sample Appearance	Client	Sample Number	Asbestos										Nonasbestos			Other	NonFibrous	Run Date	
			Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Wool	Glass	Fibers	Fibers	Fibers	Material				Analyst
1652143CPL	977-19	Brown baseboard with brown mastic	-	-	-	-	-	<1 %	-	-	-	-	-	-	<1 %	99+ %	11/11/97	SS	Non Homogeneous
NFM: Qtz, Carb, Binder, Opaq, Misc. Part.																			
1652144CPL	977-20	Brown baseboard with brown mastic	-	-	-	-	-	<1 %	-	-	-	-	-	-	-	99+ %	11/11/97	SS	Non Homogeneous
NFM: Qtz, Carb, Binder, Opaq, Misc. Part.																			
1652145CPL	977-21	Brown baseboard with brown mastic	-	-	-	-	-	<1 %	-	-	-	-	-	-	-	99+ %	11/11/97	SS	Non Homogeneous
NFM: Qtz, Carb, Binder, Opaq, Misc. Part.																			
1652146CPL	977-22	White drywall	-	-	-	-	-	2 %	-	-	-	-	-	-	-	98 %	11/11/97	SS	Homogeneous
NFM: Qtz, Carb, Opaq, Gyp, Misc. Part.																			
1652147CPL	977-23	White drywall	-	-	-	-	-	2 %	-	-	-	-	-	-	-	98 %	11/11/97	SS	Homogeneous
NFM: Qtz, Carb, Opaq, Gyp, Misc. Part.																			
1652148CPL	977-24	White drywall/compound with tan tape	-	-	-	-	-	3 %	-	-	-	-	-	-	-	97 %	11/11/97	SS	Non Homogeneous
NFM: Qtz, Carb, Opaq, Gyp, Mica, Misc. Part.																			

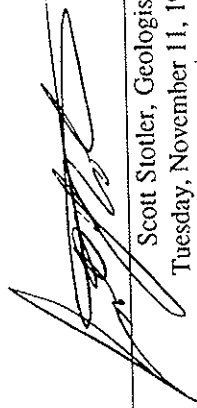
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**RJ Lee Group, Inc.**  
Bay Area Lab

530 McCormick Street  
San Leandro, CA 94577

Page: 4 of 9

Authorized Signature



Scott Stotler, Geologist

Tuesday, November 11, 1997

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# Test Report - The Earth Technology Corporation

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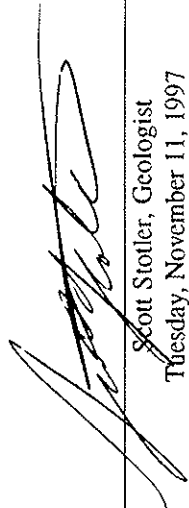
Project AOC711059

-----Asbestos-----Nonasbestos-----

Sample Number / Sample Appearance	Client	Sample Number	Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Wool	Glass	Fibers	Synthetic	Other	NonFibrous	Run Date
1652149CPL White plaster	977-25		-	-	-	-	-	-	<1 %	-	-	-	-	-	99+ %	11/11/97
									NFM: Qtz, Carb, Opaq, Mica, Misc. Part.							SS Homogeneous
1652150CPL White plaster	977-26		-	-	-	-	-	-	<1 %	-	-	-	-	-	99+ %	11/11/97
									NFM: Qtz, Carb, Opaq, Mica, Misc. Part.							SS Homogeneous
1652151CPL White plaster	977-27		-	-	-	-	-	-	<1 %	-	-	-	-	-	99+ %	11/11/97
									NFM: Qtz, Carb, Opaq, Gyp, Mica, Misc. Part.							SS Homogeneous
1652152CPL White plaster	977-28		-	-	-	-	-	-	<1 %	-	-	-	-	-	99+ %	11/11/97
									NFM: Qtz, Carb, Opaq, Mica, Misc. Part.							SS Homogeneous
1652153CPL White plaster	977-29		-	-	-	-	-	-	<1 %	-	-	-	-	-	99+ %	11/11/97
									NFM: Qtz, Carb, Opaq, Mica, Misc. Part.							SS Homogeneous
1652154CPL White plaster	977-30		-	-	-	-	-	-	<1 %	-	-	-	-	-	99+ %	11/11/97
									NFM: Qtz, Carb, Opaq, Mica, Misc. Part.							SS Homogeneous

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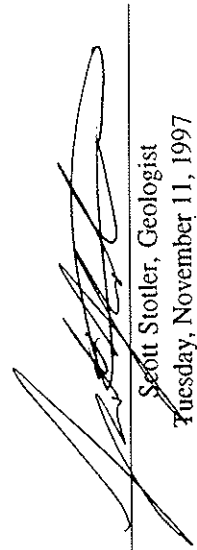
Project AOC711059

Sample Number / Sample Appearance	Client Sample Number	Asbestos										Nonasbestos					NonFibrous Run Date						
		Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Wool	Mineral	Glass	Fibers	Synthetic	Other	Fibers	Material		Analyst					
1652155CPL White plaster	977-31	-	-	-	-	-	-	-	-	-	<1 %	-	-	-	-	-	-	-	-	99+ %	11/11/97	SS Homogeneous	
1652156CPL White plaster	977-32	-	-	-	-	-	-	-	-	-	<1 %	-	-	-	-	-	-	-	-	-	99+ %	11/11/97	SS Homogeneous
1652157CPL White plaster	977-33	-	-	-	-	-	-	-	-	-	<1 %	-	-	-	-	-	-	-	-	-	99+ %	11/11/97	SS Homogeneous
1652158CPL White acoustical ceiling material	977-34	-	-	-	-	-	-	-	-	-	<1 %	-	-	-	-	-	-	-	-	-	99+ %	11/11/97	SS Homogeneous
1652159CPL White acoustical ceiling material	977-35	-	-	-	-	-	-	-	-	-	<1 %	-	-	-	-	-	-	-	-	-	99+ %	11/11/97	SS Homogeneous
1652160CPL White acoustical ceiling material	977-36	-	-	-	-	-	-	-	-	-	<1 %	-	-	-	-	-	-	-	-	-	99+ %	11/11/97	SS Homogeneous

Samples received on: Tuesday, November 4, 1997

Authorized Signature

Date



Scott Stotler, Geologist

Tuesday, November 11, 1997

530 McCormick Street  
San Leandro, CA 94577

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RJ Lee Group, Inc.  
Bay Area Lab

# Test Report - The Earth Technology Corporation

Project #: MARB (Bldg 977); 23517-04

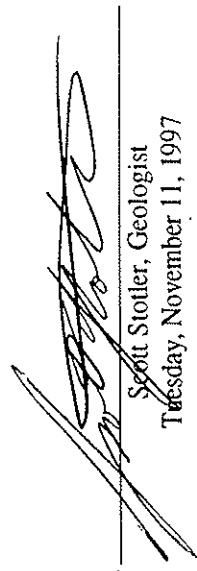
Project AOC711059

Sample Number / Sample Appearance	Client	Sample Number	Asbestos										Nonasbestos					NonFibrous Run Date
			Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Wool	Glass	Fibers	Synthetic	Fibers	Other	Fibers	Material	

1652161CPL	977-37	White acoustical ceiling material	-	-	-	-	-	-	-	-	<1 %	-	-	-	-	-	-	-	-	-	99+ %	11/11/97	SS	Homogeneous		
NFM: Qtz, Carb, Opaq, Mica, Misc. Part.																										
1652162CPL	977-38	White acoustical ceiling material	-	-	-	-	-	-	-	-	<1 %	-	-	-	-	-	-	-	-	-	-	99+ %	11/11/97	SS	Homogeneous	
NFM: Qtz, Carb, Opaq, Mica, Misc. Part.																										
1652163CPL	977-39	White acoustical ceiling material	-	-	-	-	-	-	-	-	<1 %	-	-	-	-	-	-	-	-	-	-	99+ %	11/11/97	SS	Homogeneous	
NFM: Qtz, Carb, Opaq, Mica, Misc. Part.																										
1652164CPL	977-40	White acoustical ceiling material	-	-	-	-	-	-	-	-	<1 %	-	-	-	-	-	-	-	-	-	-	99+ %	11/11/97	SS	Homogeneous	
NFM: Qtz, Carb, Opaq, Mica, Misc. Part.																										
1652165CPL	977-41	White acoustical ceiling material	-	-	-	-	-	-	-	-	<1 %	-	-	-	-	-	-	-	-	-	-	99+ %	11/11/97	SS	Homogeneous	
NFM: Qtz, Carb, Opaq, Mica, Misc. Part.																										
1652166CPL	977-42	White acoustical ceiling material	-	-	-	-	-	-	-	-	<1 %	-	-	-	-	-	-	-	-	-	-	99+ %	11/11/97	SS	Homogeneous	
NFM: Qtz, Carb, Opaq, Mica, Misc. Part.																										

Samples received on: Tuesday, November 4, 1997

Authorized Signature



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Tuesday, November 11, 1997

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**RJ Lee Group, Inc.**  
Bay Area Lab

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San Leandro, CA 94577

# Test Report - The Earth Technology Corporation

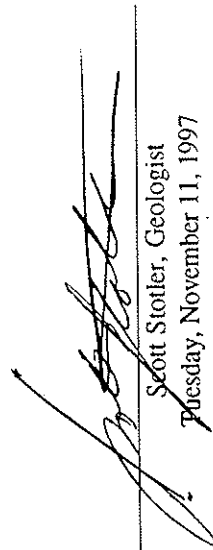
Project #: MARB (Bldg 977); 23517-04

Project AOC711059

Sample Number / Sample Appearance	Client Sample Number	Asbestos										Nonasbestos				Run Date		
		Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Wool	Mineral	Glass	Fibrous	Synthetic	Other	Fibers		Fibers	Material
1652167CPL Black composite roofing with ballast	977-43	-	-	-	-	-	-	<1 %	5 %	20 %	-	-	-	-	-	75 %	11/11/97	SS Homogeneous
1652168CPL Black composite roofing with ballast	977-44	-	-	-	-	-	-	<1 %	5 %	20 %	-	-	-	-	-	75 %	11/11/97	SS Homogeneous
1652169CPL Black composite roofing with ballast	977-45	-	-	-	-	-	-	<1 %	<1 %	20 %	-	-	-	-	-	80 %	11/11/97	SS Homogeneous
1652170CPL Black roofing mastic	977-46	15 %	-	-	-	-	-	<1 %	2 %	-	-	-	-	-	-	83 %	11/11/97	SS Homogeneous
1652171CPL Black roofing mastic	977-47	15 %	-	-	-	-	-	<1 %	1 %	-	-	-	-	-	-	84 %	11/11/97	SS Homogeneous
1652172CPL Black roofing mastic	977-48	15 %	-	-	-	-	-	<1 %	<1 %	-	-	-	-	-	-	85 %	11/11/97	SS Homogeneous

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# Test Report - The Earth Technology Corporation

Project #: MARB (Bldg 977); 23517-04

Project AOC711059

-----Asbestos-----Nonasbestos-----  
 Sample Number / Client Sample Number Chrysotile Amosite Crocidolite Anthophyllite Tremolite Actinolite Cellulose Wool Glass Fibers Synthetic Other NonFibrous Run Date  
 Sample Appearance 977-49 977-50 977-51 977-52 977-53 977-54

1652173CPL 977-49 Black roofing material  
 NFM: Qtz, Tar, Carb, Opaq, Misc. Part.  
 <1 % - - - - - 1 % - - - - - 99 % 11/11/97  
 Homogeneous

1652174CPL 977-50 Black roofing material  
 NFM: Qtz, Tar, Carb, Opaq, Misc. Part.  
 1 % - - - - - 1 % - - - - - 98 % 11/11/97  
 Homogeneous

1652175CPL 977-51 Black roofing material  
 NFM: Qtz, Tar, Carb, Opaq, Misc. Part.  
 <1 % - - - - - 1 % - - - - - 99 % 11/11/97  
 Homogeneous

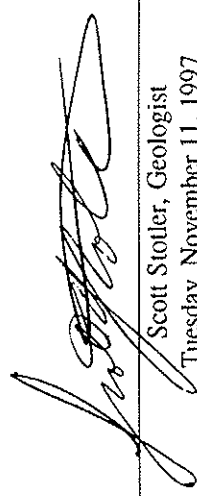
1652176CPL 977-52 White window glazing  
 NFM: Qtz, Carb, Opaq, Mica, Misc. Part.  
 <1 % - - - - - - - - - - 99+ % 11/11/97  
 Homogeneous

1652177CPL 977-53 White window glazing  
 NFM: Qtz, Carb, Opaq, Misc. Part.  
 <1 % - - - - - - - - - - 99+ % 11/11/97  
 Homogeneous

1652178CPL 977-54 White window glazing  
 NFM: Qtz, Carb, Opaq, Misc. Part.  
 <1 % - - - - - - - - - - 99+ % 11/11/97  
 Homogeneous

Samples received on: Tuesday, November 4, 1997

Authorized Signature



Scott Stoller, Geologist  
 Tuesday, November 11, 1997

Date

530 McCormick Street  
 San Leandro, CA 94577

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 Bay Area Lab

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# Bulk Sample Log

Asbestos and Air Quality Division, Western Region  
100 W. Broadway • Suite 5000 • Long Beach, CA 90802-4443

Mail Post Office Box 22785, Long Beach, CA 90801-5785  
Telephone: (310) 495-4449, (714) 821-7062 / Fax: (310) 495-7148

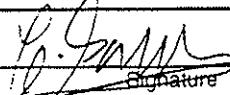
Facility: BLDG #977 Functional Space:                       
Client: MARB Project Number: 23517-04  
Taken By: Carlos Galdamez Date Sampled: 10/29/97

Sample No.	Sample Location	Homo I.D.#	Material Type	Description	Asbestos Detected	
					Y	N
977-10**	Hallway Rm 212 - E. End	FIM-1	Floor Tile/Mastic	9" GREEN		
-12**	Damaged Tile Rm 318 - Downway	↓	↓	↓		
-13	Damaged Tile Rm 113 - SW Corner	FIM-2	FLOOR TILE/MASTIC	12" white w/ GRAY SKE		
-14	Damaged Tile " - E.N. Drain	↓	↓	↓		
-17	" - NE Corner	↓	↓	↓		
-16	Rm 107A - NW corner	VSF-1*	Vinyl Sheet Flooring	12" BEIGE		
-17	Rm 226 - NE corner	↓	↓	↓		
-18	Rm 307 - NW corner	↓	↓	↓		
-19	Damaged Int Rm 112 - E.N. End	BM-1	Basixboard/Mastic			
20	Hallway Rm 212 - E. End	↓	↓			

Analytical Method: Polarized Light Microscopy

Sample Receiver: EARTH TECH • 100 W. Broadway • Suite 5000 • Long Beach, CA 90802-4443

Chain of Possession: \* Composite sample w/ Floor Tile underneath (2 layers) \*\* Taken Underneath the Carpet.

1.		<u>CSST</u>	<u>10/29/97 - 10/31/97</u>
	Signature	Title	Inclusive Dates
2.	_____	_____	_____
	Signature	Title	Inclusive Dates
3.	_____	_____	_____
	Signature	Title	Inclusive Dates

# Bulk Sample Log



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100 W. Broadway • Suite 5000 • Long Beach, CA 90802-4443

Mail Post Office Box 22785, Long Beach, CA 90801-5785  
Telephone: (310) 495-4449, (714) 821-7062 / Fax: (310) 495-7148

Facility: BLIX #977 Functional Space:                       
Client: MARB Project Number: 23517-04  
Taken By: Carlos Galdamez Date Sampled: 10/29/97

Sample No.	Sample Location	Homo ID.#	Material Type	Description	Asbestos Detected	
					Y	N
977-21	Rm 315 - SE corner	BM-1	Basboard/Mastic			
-22	Damaged Rm 131 - S. End	DTC-1	Drywall/Tape/Compound			
-23	Top of Damaged Rm 332 -	↓	↓			
-24	E. Side, Top of wall	↓	↓			
-25	Damaged Rm 107 - E. Wall	P-1	PLASTER			
-26	Rm 121 - N. wall	↓	↓			
-27	Damaged Rm 131 -	↓	↓			
-28	Rm 209 - N. End	↓	↓			
-29	Rm 224 - NW corner	↓	↓			
↓ -30	Rm 212 - E. End	↓	↓			

Analytical Method: Polarized Light Microscopy

Sample Receiver: EARTH TECH • 100 W. Broadway • Suite 5000 • Long Beach, CA 90802-4443

## Chain of Possession:

1.	<u>[Signature]</u> Signature	<u>CSST</u> Title	<u>10/29/97 - 10/31/97</u> Inclusive Dates
2.	_____ Signature	_____ Title	_____ Inclusive Dates
3.	_____ Signature	_____ Title	_____ Inclusive Dates

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Facility: BLDG #977 Functional Space: \_\_\_\_\_  
Client: MARB Project Number: 23517-04  
Taken By: Carlos Galdamez Date Sampled: 10/29/97

Sample No.	Sample Location	Homo ID#	Material Type	Description	Asbestos Detected		
					Y	N	
977-31	Damaged Rm 309 - Outside Area	P-1	PLASTIC				
-32	outside Rm 332 - Rm 310	↓	↓				
-33	Damaged Ceiling & Center of hallway	↓	↓				
-34	Rm 102 - S. Side	SOA-1	Spray-On Acoustic Ceiling Mat.	White			
-35	Rm 111 - N. Side	↓	↓				
-36	Rm 123 - S. Side	↓	↓				
-37	Rm 205 - N. Side	↓	↓				
-38	Rm 213 - S. Side	↓	↓				
-39	Rm 227 - S. Side	↓	↓				
-40	Rm 302 - S. Side	↓	↓				

Analytical Method: Polarized Light Microscopy

Sample Receiver: EARTH TECH • 100 W. Broadway • Suite 5000 • Long Beach, CA 90802-4443

## Chain of Possession:

1.		<u>CSST</u>	<u>10/29/97 - 10/31/97</u>
	Signature	Title	Inclusive Dates
2.	_____	_____	_____
	Signature	Title	Inclusive Dates
3.	_____	_____	_____
	Signature	Title	Inclusive Dates

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Telephone: (310) 495-4449, (714) 821-7062 / Fax: (310) 495-7148

Facility: BLDG # 977 Functional Space:                       
Client: MALB Project Number: 23517-04  
Taken By: Carlos Galvan Date Sampled: 10/30/97

Sample No.	Sample Location	Homo ID.#	Material Type	Description	Asbestos Detected	
					Y	N
977-41	Rm 320 - S. Side	SOA-1	Spray-on Acoustical Ceiling Mat.	White		
-42	Rm 329 - N. Side	↓	↓	↓		
-43	Roof - W. Side	BVE-1	Comp. Roofing w/ Galkast			
-44	" - Center	↓	↓			
-45	" - E. Side	↓	↓			
-46	Roof - W. Side	RM-1	Roof Mastic			
-47	" - Center	↓	↓			
-48	" - E. Side	↓	↓			
-49	Roof - W. Side	OM-1	Roofing Material			
✓ -50	" - Center	↓	↓			

Analytical Method: Polarized Light Microscopy

Sample Receiver: EARTH TECH • 100 W. Broadway • Suite 5000 • Long Beach, CA 90802-4443

## Chain of Possession:

1.		<u>CSST</u>	<u>10/29/97 - 10/31/97</u>
	Signature	Title	Inclusive Dates
2.	_____	_____	_____
	Signature	Title	Inclusive Dates
3.	_____	_____	_____
	Signature	Title	Inclusive Dates

