ASBESTOS AND LEAD PAINT SURVEY REPORTS
CARQUINEZ MAIN BRIDGE AND NORTH APPROACH IMPROVEMENTS
SOLANO COUNTY, CALIFORNIA

PREPARED FOR:

CALIFORNIA DEPARTMENT OF TRANSPORTATION
DISTRICT 4
DIVISION OF TOLL BRIDGE PROGRAM
111 GRAND AVENUE
OAKLAND, CALIFORNIA

PREPARED BY:

CALIFORNIA DEPARTMENT OF TRANSPORTATION
DISTRICT 4
DIVISION OF TOLL BRIDGE PROGRAM
ENVIRONMENTAL ENGINEERING BRANCH
111 GRAND AVENUE
OAKLAND, CALIFORNIA

AND

GEOCON ENVIRONMENTAL CONSULTANTS, INC.
11375 SUNRISE PARK DRIVE, SUITE 100
RANCHO CORDOVA, CALIFORNIA

TASK ORDER NO. 04-013031-FF

EA 013031
04-CC-80-KP 20.6/22.7
04-SOL-80-KP 0.0/3.5

JUNE 1999

HB&T ENVIRONMENTAL INC.

June 16, 1999
Job #3047.99

Mr. Jeremy Zorne
GEOCON
11375 Sunrise Park Drive, Suite 100
Rancho Cordova, CA 95742

RE: Asbestos Survey: **Carquinez Bridge Cal-Trans buildings**
Vallejo, CA

Dear Mr. Zorne:

Per your request, HB&T Environmental, Inc. undertook an asbestos survey at the above referenced location on May 26, 1999. The purpose for this survey was to ascertain the existence of any Asbestos-Containing Building Materials (ACBMs) that may be present in this area prior to any planned demolition activities.

During the course of this survey, a total of forty-one (41) bulk samples were taken of suspect ACBMs. All samples taken were catalogued on site and were then delivered to WESTERN ANALYTICAL LABORATORY, Burbank, CA for analysis by Polarized Light Microscopy. The subsequent analysis of these samples showed asbestos present in seventeen of the forty-one samples. (See included laboratory report #5009).

Tabled by location and sample number is the relevant information for each Asbestos-containing sample noted in the laboratory report.

Type of Material sampled	Materials location	Asbestos Content	Present condition	Quantity of Material, approximate	Comments
Sample 6-B					
Pink 9"x9" floor tile	Paint Building, Break room	>1% Chrysotile	Good, Non-friable / Category I	450 square feet	
Sample 7-B					
Black flooring mastic under 9"x9" floor tile	Paint building, break room	10% Chrysotile	Good, Non-friable / Category I	450 square feet	
Sample 13-B					
Acoustic ceiling spray	Paint building, entry room	3-5% Chrysotile	Good, Friable / RACM	140 square feet	

1400 S STREET, SUITE 102, SACRAMENTO, CA 95814 • PHONE (916) 446-0406 • FAX (916) 446-4259

Type of Material sampled	Materials location	Asbestos Content	Present condition	Quantity of Material, approximate	Comments
Sample 14-B					
Acoustic ceiling spray	Paint building, Supervisor's office	5% Chrysotile	Good, Friable / RACM	156 square feet	
Sample 15-B					
Tan 12"x12" floor tile	Paint building, entry room	>1% Chrysotile	Good, Non-friable / Category I	140 square feet	
Sample 17-B					
Pink 9"x9" floor tile and black mastic	Paint building, Supervisor's office	Floor Tile: >1% Chrysotile Mastic: 10% Chrysotile	Good, Non-friable / Category I	156 square feet	
Sample 18-B:					
Window Putty	Paint building, South side	<1% (trace) Chrysotile	Good, ACCM	180 Lineal feet	
Samples 20-B and 21-B					
Asphalt-based felt paper on corrugated metal siding	Paint building, South side exterior and West side exterior	40% Chrysotile	Good, Non-friable / Category I I	9,400 square feet	
Sample 25-B					
Tan 9"x9" floor tile and black mastic	Maintenance building, restroom	Floor tile: >1% Chrysotile Mastic: 10% Chrysotile	Good, Non-friable / Category I	36 square feet	
Sample 26-B					
Tan 9"x9" floor tile and black mastic	Maintenance building, SouthWest office and NorthWest office	Floor tile: >1% Chrysotile Mastic: 10% Chrysotile	Good, Non-friable / Category I	288 square feet	
Sample 30-B					
Brown-Tan linoleum and backing	Maintenance building, NorthEast corner of breakroom	20% Chrysotile	Good, Non-friable / RACM	30 square feet	This material will become Friable if the outer wear layer is separated from the backing
Samples 35-B and 36-B					
Corrugated Transite Siding	East Storage shed, West side and East side	25% Chrysotile	Fair, Non-Friable / Category II	875 square feet	

Type of Material sampled	Materials location	Asbestos Content	Present condition	Quantity of Material, approximate	Comments
Assumed ACM					
Transite Flues	Paint Building, Mechanical / heater room and Warehouse	Known to contain Asbestos well above 1%	Good, Non-friable / Category I I	25 Lineal feet	

Summary:

The ACBMs noted in this survey consist of the following:

- 9"x9" Floor Tile and Black Mastic
- Acoustic Ceiling Spray
- 12"x12" Floor Tile
- Window Putty (ACCM)
- Asphalt-based Felt Paper on Corrugated Metal Siding
- Linoleum and Backing
- Corrugated Transite Siding
- Transite Flues

Note: *A room at the end of the Pedestrian Tunnel under the Toll Booth Terminal Island Building was not accessible during the survey.*

Prior to any planned demolition that may disturb these materials, they must first be properly removed and disposed of by a licensed and certified Asbestos Abatement Contractor. Upon you request, HB&T Environmental, Inc. can provide Project Management Services that would monitor for the removal and disposal of these ACBMs.

This survey was conducted in conformance with generally accepted standards of practice for identifying and evaluating ACM (Asbestos Containing Material) in buildings. HB&T Environmental uses only qualified professionals and laboratories to perform Asbestos surveys and sample analysis. However, HB&T Environmental cannot warrant that the building does not contain ACM in locations other than those identified in this report.

If you have any questions, please feel free to call.

Sincerely,

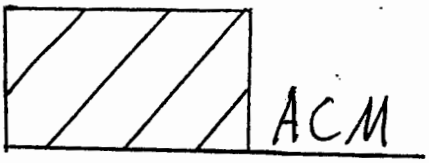
Timothy C. Hoppe
CAC No. 92-0106
DHS Lead Certified
No. 3968

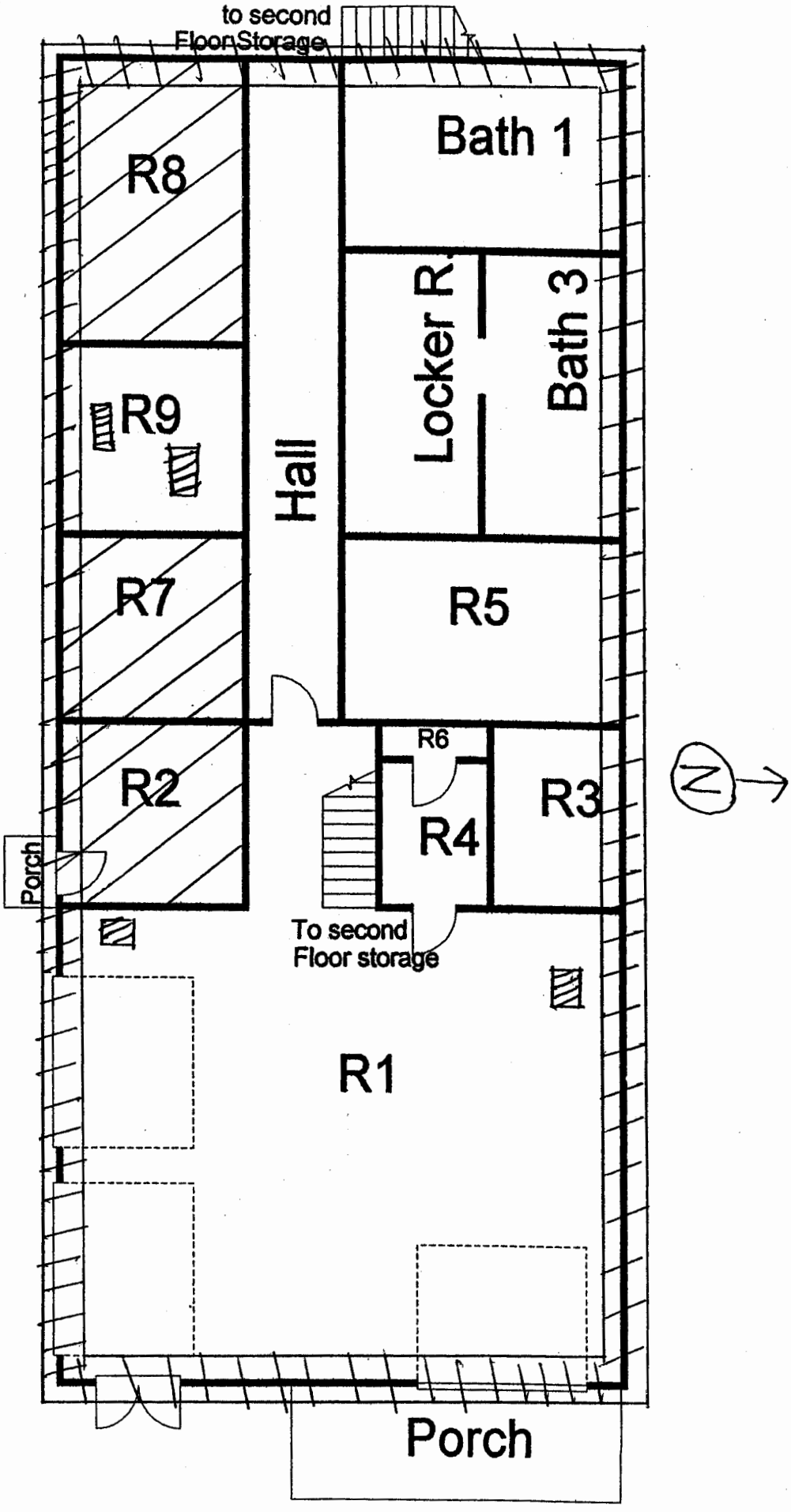
TCH:cm

enclosures

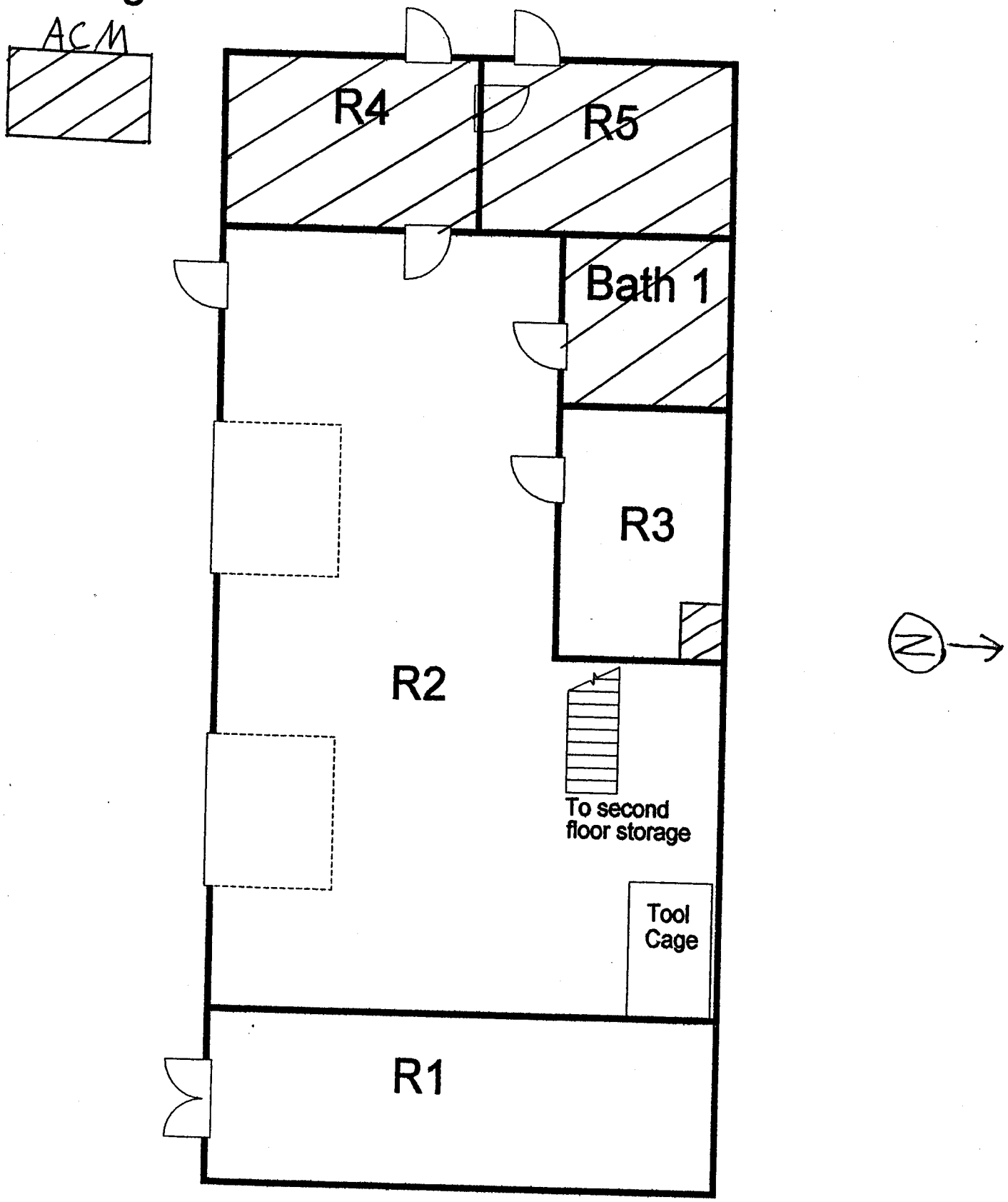
Jeremy Zorne
Asbestos Survey
Carquinez, Cal-Trans

Paint Warehouse

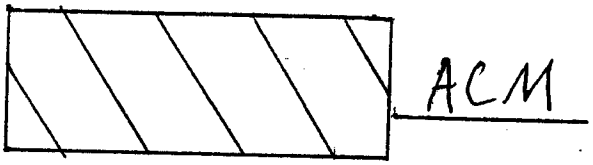


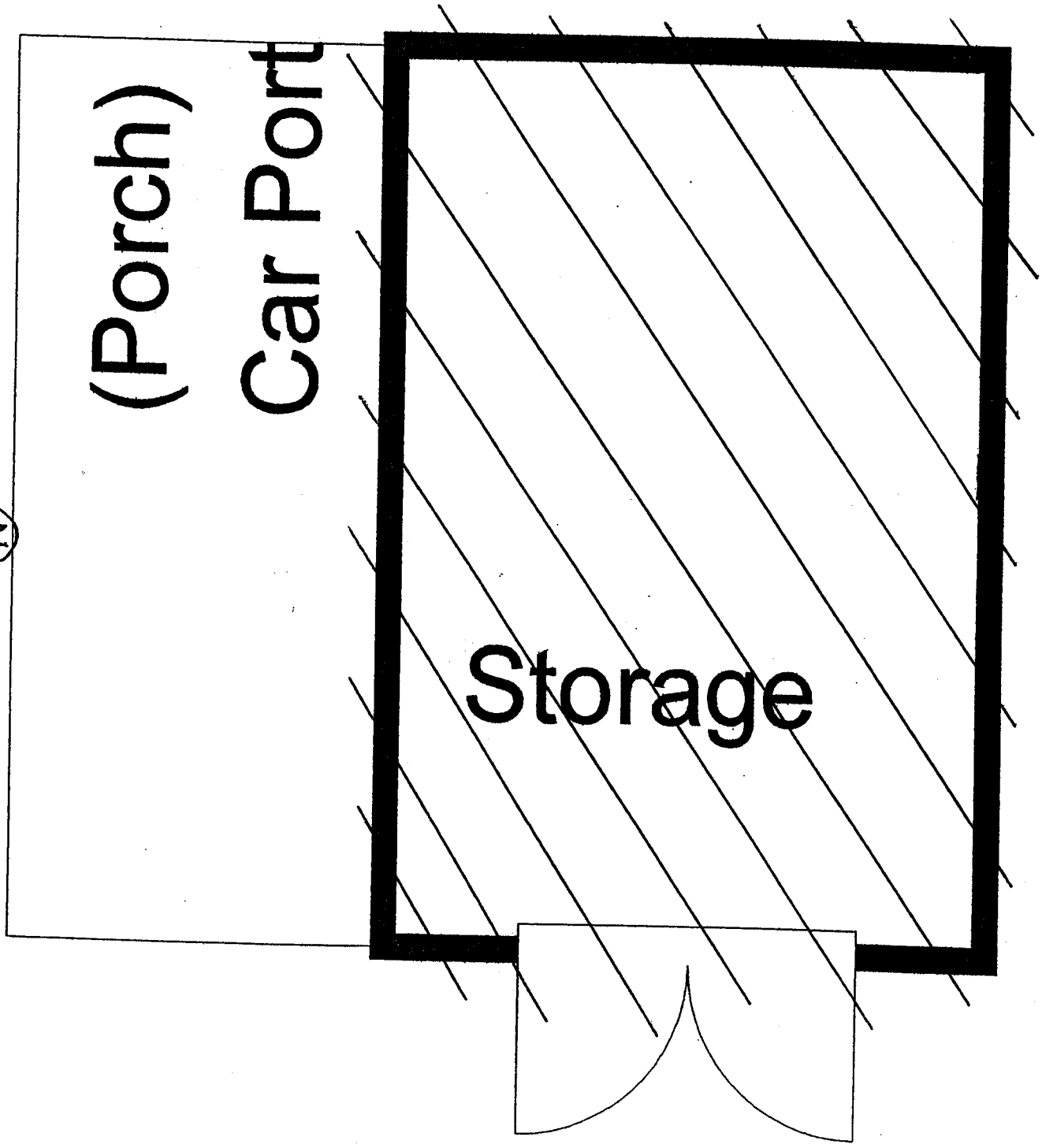


Maintenance Building



Carquinez Bridge





WESTERN ANALYTICAL LABORATORY

TEST REPORT

REPORT NO: 5009

DATE COLLECTED: May 26, 1999

DATE RECEIVED: May 28, 1999

DATE REQUIRED: June 3, 1999

CLIENT: H B & T Environmental, Inc.
1400 S Street, Suite 102
95814

ATTENTION: Tim Hoppe

REFERENCE: 3047.99
Cal Trans Buildings Carquinez Bridge

SUBJECT: Polarized Light Microscopy Analysis for Asbestos; 36 samples

METHODOLOGY: "Method for the Determination of Asbestos in Bulk Building Materials" (EPA 600/R-93/116)*

ACCREDITED: National Institute of Standards and Technology (NVLAP) # 200037

SAMPLE ID NUMBER	SAMPLE LOCATION AND DESCRIPTION	NON-FIBROUS MATERIALS	OTHER FIBROUS MATERIALS	ASBESTIFORM MINERALS
1 - B	Women's Locker Room (Paint Bldg.) White linoleum and backing	Granular Minerals Resin Diatoms	Cellulose 10% Synthetics 10% Fiberglass 5%	None Detected
2- B	Women's Locker Room (Paint Bldg.) Sheetrock and joint compound composite	Granular Minerals Gypsum	Cellulose 5%	None Detected
3 - B	Men's Locker Room (Paint Bldg.) White linoleum and backing	Granular Minerals Resin Diatoms	Cellulose 10% Synthetics 10% Fiberglass 5%	None Detected
4 - B	Men's Locker Room (Paint Bldg.) Sheetrock and joint compound composite	Granular Minerals Gypsum	Cellulose 5%	None Detected

t: Trace >1% = greater than 1% <1 = less than 1%

Optical Microscopist

Mike Maladzhikyan, Laboratory Director

The EPA method is a semiquantitative procedure. The detection limit is between 1/10 to 1 percent by area and is dependent upon the size of the asbestos fibers, the means of sampling and the matrix of the samples material.

The test results reported are for the sample or samples delivered to us and may not represent the entire material from which the sample was taken. The EPA recommends three samples or more be taken for a "homogeneous sampling area" before friable material is considered non-asbestos-containing.

All bulk samples are disposed of after six months, unless specified otherwise by the client.

This report from a NVLAP accredited laboratory must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.

Reference: 3047.99 / Cal Trans Buildings Carquinez Bridge

SAMPLE ID NUMBER	SAMPLE LOCATION AND DESCRIPTION	NON-FIBROUS MATERIALS	OTHER FIBROUS MATERIALS	ASBESTIFORM MINERALS
5 - B	Hallway (Paint Building) Gray 12"x 12" floor tile	Granular Minerals Resin	None Detected	None Detected
5 - B M	Black mastic under Sample #5-B	Granular Minerals Organics (tar)	None Detected	None Detected
6 - B	Break Room (Paint Bldg.) Pink 9"x 9" floor tile	Granular Minerals Resin	None Detected	Chrysotile >1%
7 - B	Break Room (Paint Bldg.) Black floor tile mastic	Granular Minerals Organics (tar)	None Detected	Chrysotile 10%
8 - B	Heater Room (Paint Bldg) Sheetrock and joint compound composite	Granular Minerals Gypsum	Cellulose 5%	None Detected
9 - B	Break Room West Side (Paint Bldg.) Joint compound on wood and cement	Granular Minerals Organics	None Detected	None Detected
10 - B	Break Room South Side (Paint Bldg.) Joint compound on wood and cement	Granular Minerals Organics	None Detected	None Detected
11 - B	Break Room South West Corner (Paint Bldg.) Joint compound on wood and cement	Granular Minerals Organics	None Detected	None Detected

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Reference: 3047.99 / Cal Trans Buildings Carquinez Bridge

SAMPLE ID NUMBER	SAMPLE LOCATION AND DESCRIPTION	NON-FIBROUS MATERIALS	OTHER FIBROUS MATERIALS	ASBESTIFORM MINERALS
12 - B	Break Room (Paint Bldg.) Brown baseboard mastic	Granular Minerals Organics	Antigorite 2%	None Detected
13 - B	Entry Room (Paint Bldg.) Acoustic ceiling spray	Granular Minerals Organics	None Detected	Chrysotile 3-5%
14 - B	Supervisor's Office (Paint Bldg.) Acoustic ceiling spray	Granular Minerals Organics	None Detected	Chrysotile 5%
15 - B	Entry Room (Paint Bldg.) Tan 12"x 12" floor tile	Granular Minerals Resin	None Detected	Chrysotile >1%
16 - B	Lead Workers Office (Paint Bldg.) White 12"x 12" floor tile	Granular Minerals Resin	None Detected	None Detected
17 - B	Supervisor's Office (Paint Bldg.) Pink 9"x 9" floor tile	Granular Minerals Resin	None Detected	Chrysotile >1%
17 - B M	Black mastic under Sample #17-B	Granular Minerals Organics (tar)	None Detected	Chrysotile 10%
18 - B	South Side (Paint Bldg.) Window putty	Granular Minerals Organics	None Detected	Chrysotile (t)

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Optical Microscopist

Mike Maladzhikyan, Laboratory Director

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Reference: 3047.99 / Cal Trans Buildings Carquinez Bridge

SAMPLE ID NUMBER	SAMPLE LOCATION AND DESCRIPTION	NON-FIBROUS MATERIALS	OTHER FIBROUS MATERIALS	ASBESTIFORM MINERALS
19 - B	East Side (Paint Bldg.) Window putty	Granular Minerals Organics	None Detected	None Detected
20 - B	South Side Exterior (Paint Bldg.) Paper coating on metal siding	Granular Minerals Organics (tar)	Cellulose 30%	Chrysotile 40%
21 - B	West Side Exterior (Paint Bldg.) Paper coating on metal siding	Granular Minerals Organics (tar)	Cellulose 30%	Chrysotile 40%
22 - B	Compressor Bldg. Roof Built-up aggregate roofing	Granular Minerals Organics (tar, cellulose)	None Detected	None Detected
23- B	Compressor Bldg. Roof Parapet wall of roof	Granular Minerals Organics (tar, cellulose)	None Detected	None Detected
24 - B	Break Room (Maint. Bldg.) Brown/white linoleum and backing	Granular Minerals Resin	Cellulose 30% Synthetics 30%	None Detected
25 - B	Restroom (Maint. Bldg.) Tan 9"x 9" floor tile	Granular Minerals Resin	None Detected	Chrysotile >1%
25 - B M	Black mastic under Sample #25-B	Granular Minerals Organics (tar)	None Detected	Chrysotile 10%

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Optical Microscopist

Mike Maladzhikyan, Laboratory Director

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Reference: 3047.99 / Cal Trans Buildings Carquinez Bridge

SAMPLE ID NUMBER	SAMPLE LOCATION AND DESCRIPTION	NON-FIBROUS MATERIALS	OTHER FIBROUS MATERIALS	ASBESTIFORM MINERALS
26 - B	SW Office (Maint. Bldg.) Tan 9"x 9" floor tile	Granular Minerals Resin	None Detected	Chrysotile >1%
26 - B M	Black mastic under Sample #26-B	Granular Minerals Organics (tar)	None Detected	Chrysotile 10%
27 - B	SW Office (Maint. Bldg.) Sheetrock and joint compound composite	Granular Minerals Gypsum	Cellulose 5%	None Detected
28 - B	Restroom (Maint. Bldg.) Sheetrock and joint compound composite	Granular Minerals Gypsum	Cellulose 5%	None Detected
29 - B	Break Room (Maint. Bldg.) Sheetrock and joint compound composite	Granular Minerals Gypsum	Cellulose 5% Fiberglass 1%	None Detected
30 - B	Break Room NE Corner (Maint. Bldg.) Brown/tan linoleum and backing	Granular Minerals Resin Opaques	Cellulose 5%	Chrysotile 20%
31 - B	SW Office (Maint. Bldg.) Brown base cove mastic	Granular Minerals Organics	Antigorite 2%	None Detected

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Optical Microscopist

Mike Maladzhikyan, Laboratory Director

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Reference: 3047.99 / Cal Trans Buildings Carquinez Bridge

SAMPLE ID NUMBER	SAMPLE LOCATION AND DESCRIPTION	NON-FIBROUS MATERIALS	OTHER FIBROUS MATERIALS	ASBESTIFORM MINERALS
32 - B	SW Office (Maint. Bldg.) Brown base cove	Granular Minerals Resin	None Detected	None Detected
32 - B M	Brown mastic under Sample #32-B	Granular Minerals Organics	Antigorite 2%	None Detected
33 - B	SW Office (Maint. Bldg.) Window putty	Granular Minerals Organics	None Detected	None Detected
34 - B	Warehouse (Maint. Bldg.) Joint compound on wood	Granular Minerals Organics	None Detected	None Detected
35 - B	East Storage Shed Transite siding	Granular Minerals	None Detected	Chrysotile 25%
36 - B	East Storage Shed Transite siding	Granular Minerals	None Detected	Chrysotile 25%

t: Trace >1% = greater than 1% <1 = less than 1%

A. Sun
Optical Microscopist

Mike Maladzhikyan, Laboratory Director

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WESTERN ANALYTICAL LABORATORY

ASHING AND GRAVIMETRIC ANALYSIS OF ROOFING SAMPLES

WAL REPORT NO: 5009ASH

DATE RECEIVED: May 28, 1999

DATE REQUESTED: June 3, 1999

CLIENT: H B & T Environmental, Inc
1400 S Street, Suite 120
Sacramento, CA 95814

REFERENCE: 3047.99
Cal Trans Buildings Carquinez Bridge

Sample Number	Weight BEFORE Ashing (grams)	Weight AFTER Ashing (grams)	Fraction Recovered	Asbestos Percent	*Weighed* Asbestos Percent
22 - B	0.49	0.02	0.04	0	0.00
23 - B	0.27	0.08	0.09	0	0.00

Analyst

Mike Maladzhikyan, Laboratory Director

*The EPA strongly recommends ashing and performing gravimetric analysis of roofing samples. The organic materials in roofing materials (e.g. tar) can obscure the asbestos fibers. By ashing and performing gravimetric analysis, we eliminate the possibility of missing the asbestos fibers.

This report from a NVLAP accredited laboratory must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.

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VM LABORATORY

BULK SAMPLE - SUBMITTAL FORM 5009

FROM: HB & T Environmental, Inc. 1400 S Street, Suite 102 Sacramento, CA 95814 Phone: (916) 446-0406 Fax: (916) 446-4259	**SAMPLES COLLECTED BY:** Tim Hoppa	**DATE COLLECTED:** 5-26-99
TURNAROUND: (or due date) 3 day	**JOB NUMBER:** 3047.99	
SPECIAL INSTRUCTIONS:	**JOB SITE:** Cal Trans Buildings Carquinez Bridge	

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION
1-B	Womens Locker Room (Paint Bldg.)	White linoleum & backing
2-B	" "	Sheetrock & Joint compound composite
3-B	Mens Locker Room (Paint Bldg.)	White linoleum & backing
4-B	" "	Sheetrock & Joint compound composite
5-B	Hallway (Paint Bldg.)	gray 12"x12" floortile & black mastic
6-B	Break room (Paint Bldg.)	Pink 9"x9" floortile
7-B	" "	Black [redacted] floortile mastic
8-B	Heater room (Paint Bldg.)	Sheetrock & Joint compound composite
9-B	Breakroom West Side (Paint Bldg.)	Joint compound on wood & cement
10-B	Breakroom South Side (Paint Bldg.)	" "
11-B	Breakroom Southwest corner (Paint Bldg.)	" "
12-B	Breakroom (Paint Bldg.)	brown baseboard mastic
13-B	Entry room (Paint Bldg.)	acoustic ceiling spray
14-B	Supervisors office (Paint Bldg.)	" "

CHAIN OF CUSTODY

Date/Time	Relinquished By:	Received By:	Date/Time
5-27-99 2:00 pm	Tim Hoppa	[illegible]	5-28-99

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VM LABORATORY

BULK SAMPLE - SUBMITTAL FORM

FROM: HB & T Environmental, Inc. 1400 S Street, Suite 102 Sacramento, CA 95814 Phone: (916) 446-0406 Fax: (916) 446-4259	**SAMPLES COLLECTED BY:** Tim Hoppe	**DATE COLLECTED:** 5-26-99
TURNAROUND: (or due date) 3 day	**JOB NUMBER:** 3047.99	
SPECIAL INSTRUCTIONS:	**JOB SITE:** Cal Trans Buildings Carquinez Bridge	

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION
15-B	Entry Room (Paint Bldg.)	Tan 12"x12" floortile
16-B	Lead workers office (Paint Bldg.)	White 12"x12" floortile
17-B	Supervisors office (Paint Bldg.)	Pink 9"x9" floortile + black mastic
18-B	South Side (Paint Bldg.)	Window putty
19-B	East Side (Paint Bldg.)	Window putty
20-B	South Side exterior (Paint Bldg.)	paper coating on metal siding
21-B	West Side exterior (Paint Bldg.)	" "
22-B	Compressor Bldg. roof	built up aggregate roofing
23-B	" "	parapet wall of roof
24-B	Breakroom (Maint. Bldg)	Brown/White linoleum + backing
25-B	Restroom (Maint. Bldg.)	Tan 9"x9" floortile + black mestic
26-B	S.W. office (Maint. Bldg.)	" "
27-B	" "	Sheetrock + Joint compound composite
28-B	~~Breakroom~~ Restroom (Maint. Bldg.)	" "

CHAIN OF CUSTODY

Date/Time	Relinquished By:	Received By:	Date/Time
5-27-99 2:00 pm	Tim Hoppe		

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VM LABORATORY

BULK SAMPLE - SUBMITTAL FORM

FROM:	SAMPLES COLLECTED BY:	DATE COLLECTED:
HB & T Environmental, Inc. 1400 S Street, Suite 102 Sacramento, CA 95814 Phone: (916) 446-0406 Fax: (916) 446-4259	Tim Hoppe	5-26-99
TURNAROUND: (or due date) 3 day	**JOB NUMBER:** 3047.99	
SPECIAL INSTRUCTIONS:	**JOB SITE:** Cal Trans Buildings Carquinez Bridge	

SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DESCRIPTION
29-B	Breakroom (Maint. Bldg.)	Sheetrock & Joint compound composite
30-B	Breakroom N.E. Corner (Maint. Bldg.)	Brown/Tan Linoleum & backing
31-B	S.W. office (Maint. Bldg.)	brown base cove mastic
32-B	" "	brown base cove & brown mastic
33-B	" "	Window putty
34-B	Warehouse (Maint. Bldg.)	Joint compound on wood
35-B	East Storage Shed	Transite Siding
36-B	" "	" "

CHAIN OF CUSTODY

Date/Time	Relinquished By:	Received By:	Date/Time
5-27-99 2:00pm			

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HB&T ENVIRONMENTAL INC.

June 16, 1999
Job #3047.99

Mr. Jeremy Zorne
GEOCON
11375 Sunrise Park Drive, Suite 100
Rancho Cordova, CA 95742

RE: Lead-based Paint Inspection results for:

Carquinez Bridge
CAL-TRANS Buildings
Vallejo, CA

Dear Mr. Zorne:

Per your request, HB&T Environmental, Inc. undertook a Lead-based Inspection at the above referenced location on May 24, 1999.

Under the direction of HB&T Environmental, Inc., Bruce Askanas performed the Lead-based Paint inspection. Bruce is a Certified Lead Inspector/Assessor with the State Department health Services (California), #158. The inspection was performed using the Niton XL 309 Spectrum Analyzer number, U583 with a 13 month old, 10 millicurie radioactive Cadmium 109 source. The inspection protocol outlined in Chapter 7 of the HUD Guidelines For The Evaluation and Control of Lead-based Paint Hazards was the standard used, with some variation, as the purpose of the inspection was to prepare for demolition of a non-public building.

During the course of the inspections, approximately 284 (XRF) X-Ray Fluorescence readings were taken of painted surfaces. Lead-based paint is defined as paint or other surface coatings that contain an amount of Lead equal to, or in excess of, one milligram per square centimeter (1.0 mg/cm^2) or more than half of one percent (0.5%) by weight. Lead-containing paint is defined as paint or other surface coatings that contain any detectable level of lead.

Listed by XL No. in the following **XRF Data Tables,** is the relevant information.

The Lead levels of concern ($\geq$1.0 mg/cm^2) are clearly marked on the tables provided. The Buildings had high Lead levels that range from 1.0 mg/cm^2 to >5.0 mg/cm^2 in some older parts of each building. The Pedestrian Tunnel had very low levels throughout. Lead levels greater than *1 mg/cm^2* have been marked as positive on the tables. It should be noted that the maximum Lead levels reported with the instruments used is >5.0 mg/cm^2. Any detectable level of Lead requires worker safety precautions until measurement of air-borne Lead dust at the workers breathing zone has been determined to be less than 50 ug/m^3 for an 8 hour time weighted average.

A floor plan of the building is included, so you can identify the locations of high Lead levels on the report. All of the walls that are parallel to side A on the drawing are wall A on the report. The walls that are parallel to side B are wall B on the report etc. Similar building components are numbered from left to right as you face the wall where they

are located. Side A faces the freeway except for the pedestrian Tunnel which is the side that faces the West entrance.

The XRF readings can be used to determine if worker safety for individuals disturbing the painted surfaces is compromised, if the Lead levels are greater than 0.09 mg/cm^2. As per CAL-OSHA Title 8, CCR, Section 1532.1, Lead levels in painted surfaces that are less than or equal to 0.09 may also pose a health hazard to such workers. Laboratory analysis of paint chip samples obtained for XRF readings below 0.1 mg/cm^2 would confirm or refute the presence of Lead at a detection limit of 0.010 mg/kg using EPA test method SW 846-3050B – 7420 for Flame Atomic Absorption Spectrometry.

Prior to the sale or rental of any property, it is the legal and ethical obligation of all responsible property owners to inform the prospective buyer/tenant of any regular maintenance requirements that may be needed in order to keep Lead-based paint hazards under control. This is the only way an owner can be sure that his or her liability is protected. Educational materials published by the EPA should also be provided during these transactions for all pre-1978 public buildings. These materials are required by law unless a public building has been found to be "Lead-Free" (<1.0 mg/cm^2 Lead-based paint) by a California State Department of Health Services Certified Lead Inspector/Assessor.

Upon your request, HB&T Environmental, Inc. can provide a proposed cost for Project Management Services that would monitor for the proper removal and disposal of Lead-based paint, as well as Lead-containing paint.

This survey was conducted in conformance with generally accepted current standards of practice for identifying Lead-based paint in buildings. HB&T Environmental, Inc. uses only qualified professionals and approved equipment to perform Lead-based paint inspections. However, HB&T Environmental cannot warrant that the building does not contain Lead-based paint in locations other than those identified in this report.

If you have any questions, please feel free to call.

Submitted by:

Timothy C. Hoppe
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No. 3968

TCH:cm

enclosures

Jeremy Zorn
Geocon
Cal-Trans Lead Report
Carquinez Bridge, Vallejo

XLNo	Floor	Room	Room#	Side	Structure	Str#	Feature	Fea#	Condition	Substrate	PbLmg/cm2	Result
1	1	Calibrate	0							NonWood	0.92	
2	1	Calibrate	0							NonWood	0.99	
3	1	Calibrate	0							NonWood	0.95	
4	1	Calibrate	0							NonWood	1.06	
5	1	Outside	0	A	Roof	Support	Columns	Lft	Solid	Metal	0.08	
6	1	Outside	0	B	Ext Wall		Siding		Solid	Metal	0.02	
7	1	Outside	0	C	Ext Wall		Siding		Solid	Metal	0.01	
8	1	Outside	0	D	Ext Wall		Siding		Solid	Metal	0.03	
9	1	Outside	0	D	Ext Wall		Elec Panel		Solid	Metal	0.04	
10	1	Interior	1	B	Wall		Midle Wall		Solid	Metal	0.01	
11	1	Interior	1	B	support	steel	beam		Solid	Metal	0.07	
12	1	Interior	1	C	Wall		Midle Wall		Solid	Metal	0.03	
13	1	Interior	1	D	Wall		Wall	Upr	Solid	Metal	0.02	
14	1	Interior	1	D	Wall		Pipes		Solid	Metal	0.04	
15	1	Interior	1	D	Ceiling		Pipes		Solid	Metal	0.02	

XLNo	Floor	Room	Room#	Side	Structure	Str#	Feature	Fea#	Condition	Substrate	PbLmg/cm2	Result
16	1	Outside	0	A	Ext Wall		Siding		Cracked	Concrte	4.14	Pos
17	1	Outside	0	A	Ext Wall		Pipes		Cracked	Metal	>5.0	Pos
18	1	Outside	0	A	Door		Door		Cracked	Metal	3.35	Pos
19	1	Outside	0	A	Door		Jamb		Cracked	Metal	1.73	Pos
20	1	Outside	0	B	Ext Wall		Siding		Cracked	Metal	3.57	Pos
21	1	Outside	0	B	Wall		Wall	Lwr	Solid	Concrte	>5.0	Pos
22	1	Outside	0	B	Wall	Comp.	Cooler	Housing	Solid	Wood	>5.0	Pos
23	1	Outside	0	C	Ext Wall		Siding	Lwr	Solid	Concrte	2.6	Pos
24	1	Outside	0	C	Wall	Ventilation	Grid		Solid	Metal	0.37	
25	1	Outside	0	D	Ext Wall		Siding	Lwr	Solid	Concrte	3.44	Pos
26	1	Outside	0	D	Ext Wall		Elec Panel		Cracked	Metal	>5.0	Pos
27	1	Outside	0	D	Door		Door		Cracked	Metal	>5.0	Pos
28	1	Outside	0	D	Door		Jamb		Solid	Metal	>5.0	Pos
29	1	Interior	1	A	Door		Door		Cracked	Metal	2.2	Pos
30	1	Interior	1	A	Door		Jamb	Lft	Cracked	Metal	2.87	Pos
31	1	Interior	1	B	Belt	Housing	light	grey	Cracked	Metal	>5.0	Pos
32	1	Interior	1	B	Motor	Housing	light	grey	Cracked	Metal	0.01	
33	1	Interior	1	B	Machine	Housing	Dark	grey	Solid	Metal	0.2	
34	1	Interior	1	C	Box		Elec Panel		Solid	Metal	0.06	
35	1	Interior	1	C	Conduit		Pipes		Solid	Metal	0	
36	1	Interior	1	D	Box	Housing	Dark	Blue	Solid	Metal	0.01	
37	1	Interior	1	D	Box		Elec Panel		Solid	Metal	0.08	

XLNo	Floor	Room	Room#	Side	Structure	Str#	Feature	Fea#	Condition	Substrate	PbLmg/cm2	Result
38	1	Outside	0	A	Door		Door		Peeling	Wood	>5.0	Pos
39	1	Outside	0	A	Ext Wall		Siding		Cracked	Comp.	0.01	
40	1	Porch	0	A	Porch		Columns		Cracked	Metal	0.03	
41	1	Outside	0	C	Ext Wall		Siding		Cracked	Comp.	0.01	
42	1	Outside	0	D	Ext Wall		Siding		Cracked	Comp.	0	
43	1	Interior	1	A	Door		Door		Peeling	Wood	>5.0	Pos
44	1	Interior	1	A	Door		Jamb	Lft	Peeling	Metal	>5.0	Pos
45	1	Interior	1	A	Wall		Wall	Upr	Cracked	Comp.	0.02	
46	1	Interior	1	B	Wall	Horizontal	Beam		Cracked	Metal	>5.0	Pos
47	1	Interior	1	C	Wall		Midle Wall		Solid	Comp.	0.11	
48	1	Interior	1	D	Wall		Midle Wall		Solid	Comp.	0.02	
49	1	Interior	1		Ceiling		Joist		Solid	Metal	>5.0	Pos

XLNo	Floor	Room	Room#	Side	Structure	Str#	Feature	Fea#	Condition	Substrate	PbLmg/cm2	Result
50	1	Stairwell	0	East	Wall		Wall		Cracked	Concrte	0	
51	1	Hall	0	A	Wall		Wall	Upr	Solid	Concrte	0	
52	1	Hall	0	B	Wall		Wall	Upr	Cracked	Concrte	0	
53	1	Hall	0	B	Ladder		Rail cap		Solid	Metal	0.04	
54	1	Hall	0	B	Conduit		Pipes		Solid	Metal	0.05	
55	1	Hall	0	C	Wall		Midle Wall		Solid	Concrte	0	
56	1	Hall	0	C	Wall		Elec Panel		Solid	Metal	0.03	
57	1	Hall	0	C	Ceiling				Cracked	Concrte	0.03	
58	1	Hall	0	C	Door		Door		Cracked	Metal	0.02	
59	1	Hall	0	C	Door		Jamb	Lft	Cracked	Metal	0.06	
60	1	Stairwell	0	West	Wall		Wall		Cracked	Concrte	0	
61	1	Hall	0	D	Wall		Wall	Upr	Cracked	Concrte	0.05	

XLNo	Floor	Room	Room#	Side	Structure	Str#	Feature	Fea#	Condition	Substrate	PbLmg/cm2	Result
62	1	Outside	0	A	Ext Wall		Siding		Cracked	Concrte	1.86	Pos
63	1	Outside	0	A	Window	1	Casing	Lft	Cracked	Metal	2.59	Pos
64	1	Calibrate	0							Nonwood	0.93	
65	1	Calibrate	0							Nonwood	1.08	
66	1	Calibrate	0							Nonwood	0.96	
67	1	Outside	0	A	Window	1	Sash	Ext	Cracked	Metal	0	
68	1	Outside	0	A		1	Downspout		Solid	Metal	>5.0	Pos
69	1	Porch	0	A	Porch	1	Trim	Upr	Solid	Wood	0.01	
70	1	Porch	0	A	Door	1	Door		Cracked	Metal	0	
71	1	Outside	0	A	Wall	1	Wall	Lwr	Solid	Concrte	>5.0	Pos
72	1	Outside	0	A	Door	2	Door		Cracked	Metal	0.02	
73	1	Outside	0	A	Door	2	Casing	Lft	Solid	Metal	0.01	
74	1	Outside	0	B	Ext Wall		Siding		Solid	Metal	3.71	Pos
75	1	Outside	0	B	Ext Wall		Siding		Solid	Metal	2.73	Pos
76	1	Outside	0	B	Wall		Wall	Lwr	Solid	Concrte	2.39	Pos
77	1	Outside	0	B	Stairs		Stringer		Solid	Metal	***	Inc
78	1	Outside	0	B	Stairs		Stringer		Solid	Metal	***	Inc
79	1	Outside	0	B	Stairs		Stringer		Solid	Metal	***	Inc
80	1	Outside	0	B	Stairs		Rail cap		Solid	Metal	0.2	
81	1	Outside	0	B	Stairs		Tread		Solid	Metal	***	Inc
82	1	Outside	0	B	Stairs		Tread		Solid	Metal	***	Inc
83	1	Outside	0	B	Stairs		Tread		Solid	Metal	***	Inc
84	2	Outside	0	B	Door		Door		Solid	Metal	***	Inc
85	2	Outside	0	B	Door		Door		Solid	Metal	***	Inc
86	2	Outside	0	B	Door		Door		Solid	Metal	***	Inc
87	1	Outside	0	C	Wall		Wall	Lwr	Cracked	Metal	2.47	Pos
88	1	Outside	0	C	Wall		Wall	Upr	Solid	Metal	3.78	Pos
89	1	Outside	0	C	Window		Mullion		Peeling	Metal	0	
90	1	Outside	0	C	Ext Wall		Siding		Peeling	Wood	>5.0	Pos
91	1	Outside	0	D	Wall		Wall	Upr	Solid	Metal	2.38	Pos
92	1	Outside	0	D	Wall		Wall	Lwr	Solid	Concrte	3.15	Pos
93	1	Outside	0	D	Door	1	Door		Cracked	Metal	0	
94	1	Outside	0	D	Window	1	Sash	Upr	Peeling	Metal	0.01	
95	1	Porch	0	D	Porch	1	Columns		Cracked	Metal	0.05	
96	1	Porch	0	D	Porch	1	Columns		Solid	Metal	0.26	

XLNo	Floor	Room	Room#	Side	Structure	Str#	Feature	Fea#	Condition	Substrate	PbLmg/cm2	Result
97	1	Room	1	A	Wall		Wall	Lwr	Solid	Concrte	0.08	
98	1	Room	1	A	Door		Door		Solid	Metal	0.03	
99	1	Room	1	A	Door		Jamb	Lft	Solid	Metal	0.05	
100	1	Room	1	A	Wall		Wall	Upr	Solid	Metal	0.04	
101	1	Room	1	A	Wall	Steel	Beam		Solid	Metal	3.36	Pos
102	1	Room	1	B	Wall		Wall	Lwr	Solid	Concrte	0.05	
103	1	Room	1	B	Wall		Wall	Upr	Solid	Metal	0.02	
104	1	Room	1	B	Door		Jamb	Lft	Solid	Metal	0	
105	1	Room	1	B	Door		Door		Solid	Metal	0.02	
106	1	Room	1	B	Cabinet		Door	Out	Solid	Wood	1.67	Pos
107	1	Room	1	B	Cabinet		Shelf		Cracked	Wood	0.06	
108	1	Room	1	C	Storage		Shelf		Solid	Wood	0.21	
109	1	Room	1	C	Wall		Midle Wall		Solid	Concrte	0.3	
110	1	Room	1	C	Wall	Steel	Beam		Solid	Metal	2.98	Pos
111	1	Room	1	B	Wall		Wall	Lwr	Solid	Wood	0.64	
112	1	Room	1	B	Door	1	Door		Solid	Wood	0	
113	1	Room	1	B	Door	1	Jamb	Lft	Solid	Metal	0	
114	1	Room	1	B	Cabinet		Door	Out	Solid	Wood	0.23	
115	1	Room	1	B	Stairs		Newal post		Solid	Wood	0.29	
116	1	Room	1	B	Stairs		Tread		Solid	Wood	0.03	
117	1	Room	1	B	Stairs		Rail cap		Solid	Metal	0.13	
118	1	Room	1	B	Stairs		Baseboard	Ins	Solid	Wood	0.39	
119	1	Room	1	B	Window		Stool		Solid	Wood	0.04	
120	1	Room	1	B			Pipes		Solid	Metal	0.22	
121	2	Room	1		Floor				Solid	Wood	0.08	
122	2	Room	1		Floor	Red	Line		Cracked	Wood	0.09	
123	2	Room	1	B	Lumber	Rack			Solid	Wood	0	
124	2	Room	1	B	Ceiling		Joist		Solid	Metal	2	
125	2	Room	1	A	Wall		Wall	Lwr	Solid	Metal	0.14	
126	2	Room	1	B	Wall		Wall	Upr	Solid	Metal	0.08	
127	2	Room	1	B	Wall	Steel	Beam		Solid	Metal	2.06	Pos
128	2	Room	1	B	Door		Casing	Lft	Solid	Wood	0.06	
129	2	Room	1	B	Door		Door		Solid	Metal	***	Inc
130	2	Room	1	B	Door		Door		Solid	Metal	***	Inc
131	2	Room	1	B	Door		Door		Solid	Metal	***	Inc

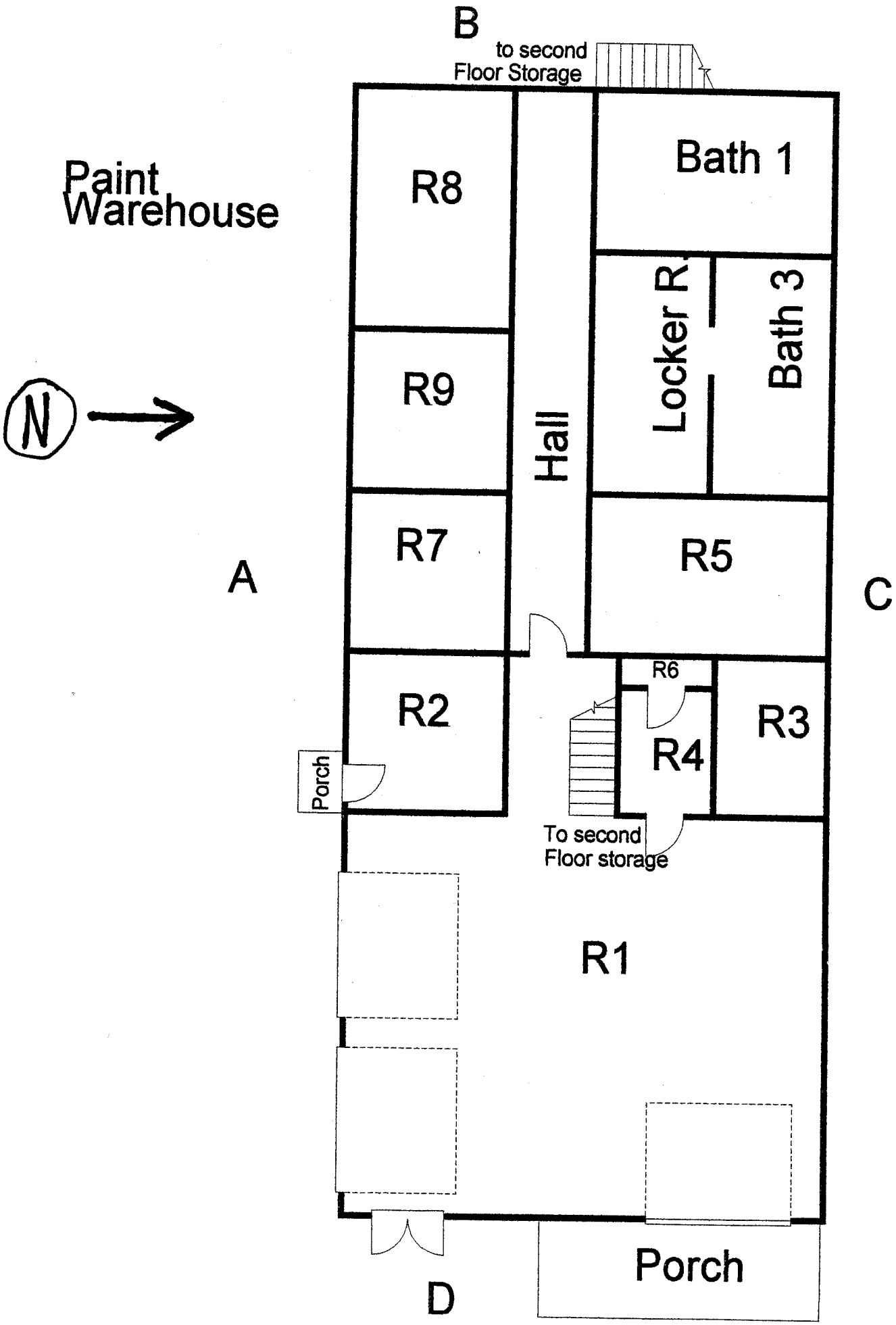
XLNo	Floor	Room	Room#	Side	Structure	Str#	Feature	Fea#	Condition	Substrate	PbLmg/cm2	Result
132	2	Room	1	C	Wall		Wall	Lwr	Solid	Metal	0.08	
133	2	Room	1	D	Cabinet		Door	Out	Solid	Wood	0.12	
134	2	Room	1	D	Wall		Wall	Upr	Solid	Wood	0.22	
135	1	Room	2	A	Door		Door		Solid	Metal	0	
136	1	Room	2	A	Wall		Wall	Upr	Solid	Concrte	0	
137	1	Room	2	B	Wall		Midle Wall		Solid	Drywall	0	
138	1	Room	2	C	Wall		Wall	Upr	Solid	Drywall	0	
139	1	Room	2	C	Wall		Baseboard		Solid	Wood	0.69	
140	1	Room	2	C	Cabinet		Door	Out	Solid	Wood	0	
148	1	Room	3	A	Wall		Wall	Upr	Solid	Wood	0.04	
149	1	Room	3	B	Wall		Wall	Upr	Solid	Wood	0	
150	1	Room	3	B	Storage		Shelf		Solid	Wood	0	
151	1	Room	3	B	Wall		Wall	Upr	Solid	Wood	0	
152	1	Room	3	C	Wall		Wall	Upr	Solid	Concrte	0.11	
153	1	Room	3	C	Wall	Steel	Beam		Solid	Metal	3.57	Pos
154	1	Room	3	D	Wall		Midle Wall		Solid	Wood	0.12	
155	1	Room	3	D	Door		Casing	Lft	Solid	Wood	0.02	
156	1	Room	3	D	Door		Door		Solid	Wood	0.06	
157	1	Room	3	D	Wall		Baseboard		Solid	Wood	0	
158	1	Room	3	D	Unlisted		Baseboard		Solid	Metal	0	
159	1	Hall	1	A	Wall		Wall	Upr	Solid	Drywall	0.09	
160	1	Hall	1	A	Door		Jamb	Lft	Solid	Wood	0.11	
161	1	Hall	1	A	Door		Door		Solid	Wood	0	
162	1	Hall	1	B	Wall		Wall	Upr	Solid	Drywall	0.1	
163	1	Hall	1	C	Wall		Midle Wall		Solid	Drywall	0	
164	1	Hall	1	C	Ceiling		Midle Wall		Solid	Drywall	0	
165	1	Room	4	A	Wall		Midle Wall		Solid	Drywall	0.01	
166	1	Room	4	A	Window		Stool		Solid	Wood	0	
167	1	Room	4	B	Wall		Wall	Upr	Solid	Drywall	0	
168	1	Room	4	B	Door		Door		Solid	Wood	0	
169	1	Room	4	B	Door		Jamb	Lft	Solid	Metal	0.18	
170	1	Room	4	C	Wall		Wall	Upr	Solid	Drywall	0	
171	1	Room	4	D	Wall		Wall	Upr	Solid	Drywall	0	
172	1	Room	4	D	Wall		Baseboard		Solid	Wood	0.02	
173	1	Room	5	A	Wall		Wall	Upr	Solid	Drywall	0	

XLNo	Floor	Room	Room#	Side	Structure	Str#	Feature	Fea#	Condition	Substrate	PbLmg/cm2	Result
174	1	Room	5	B	Wall		Wall	Upr	Solid	Drywall	0.26	
175	1	Room	5	B	Cabinet		Door	Out	Solid	Wood	0	
176	1	Room	5	B			Pipes		Solid	Metal	0.06	
177	1	Room	5	B	Wall	Steel	Beam		Solid	Metal	1.83	Pos
178	1	Room	5	C	Wall		Wall	Upr	Solid	Concrte	0.22	
179	1	Room	5	D	Wall		Wall	Upr	Solid	Drywall	0.01	
180	1	Room	5	D	Door	2	Door		Solid	Wood	0	
181	1	Room	5	D	Door	2	Jamb	Lft	Solid	Metal	0.02	
182	1	Room	6	A	Wall		Wall		Solid	Drywall	0.02	
183	1	Room	6	B	Storage		Shelf		Solid	Wood	0	
184	1	Room	6	C	Wall		Wall		Solid	Drywall	0.15	
185	1	Room	6	D	Door		Jamb	Rht	Solid	Metal	0.02	
186	1	Room	6	D	Door		Door		Solid	Wood	0	
187	1	Room	7	A	Wall		Wall	Upr	Solid	Concrte	0.02	
188	1	Room	7	B	Wall		Midle Wall		Solid	Wood	0.17	
189	1	Room	7	C	Wall		Wall	Lwr	Solid	Wood	0.12	
190	1	Room	7	D	Wall		Wall	Upr	Solid	Wood	0.04	
191	1	Room	7	D	Door		Jamb	Rht	Solid	Metal	0.11	
192	1	Room	7	D	Door		Door		Solid	Wood	0	
193	1	Room	8	A	Wall		Wall		Cracked	Concrte	0.03	
194	1	Room	8	A	Wall	Steel	Beam		Solid	Metal	2.15	Pos
195	1	Room	8	B	Wall		Wall		Solid	Concrte	0.15	
196	1	Room	8	C	Wall		Wall		Solid	Drywall	0.17	
197	1	Room	8	C	Door		Casing	Lft	Solid	Metal	0.13	
198	1	Room	8	C	Door		Door		Solid	Wood	0	
199	1	Bath	1	A	Wall		Wall	Upr	Solid	Drywall	0	
200	1	Bath	1	A	Door		Door		Solid	Wood	0	
201	1	Bath	1	A	Door		Casing	Lft	Solid	Metal	0	
202	1	Bath	1	B	Stall		Partition		Solid	Metal	0	
203	1	Bath	1	B	Wall		Wall	Upr	Solid	Drywall	0.01	
204	1	Bath	1	C	Wall		Wall	Upr	Solid	Drywall	0	
205	1	Bath	1	D	Wall		Wall	Upr	Solid	Drywall	0	
206	1	Locker	Rm	A	Wall		Wall	Upr	Solid	Drywall	0	
207	1	Locker	Rm	B	Wall		Wall	Upr	Solid	Drywall	0.02	
208	1	Locker	Rm	C	Wall		Midle Wall		Solid	Drywall	0	

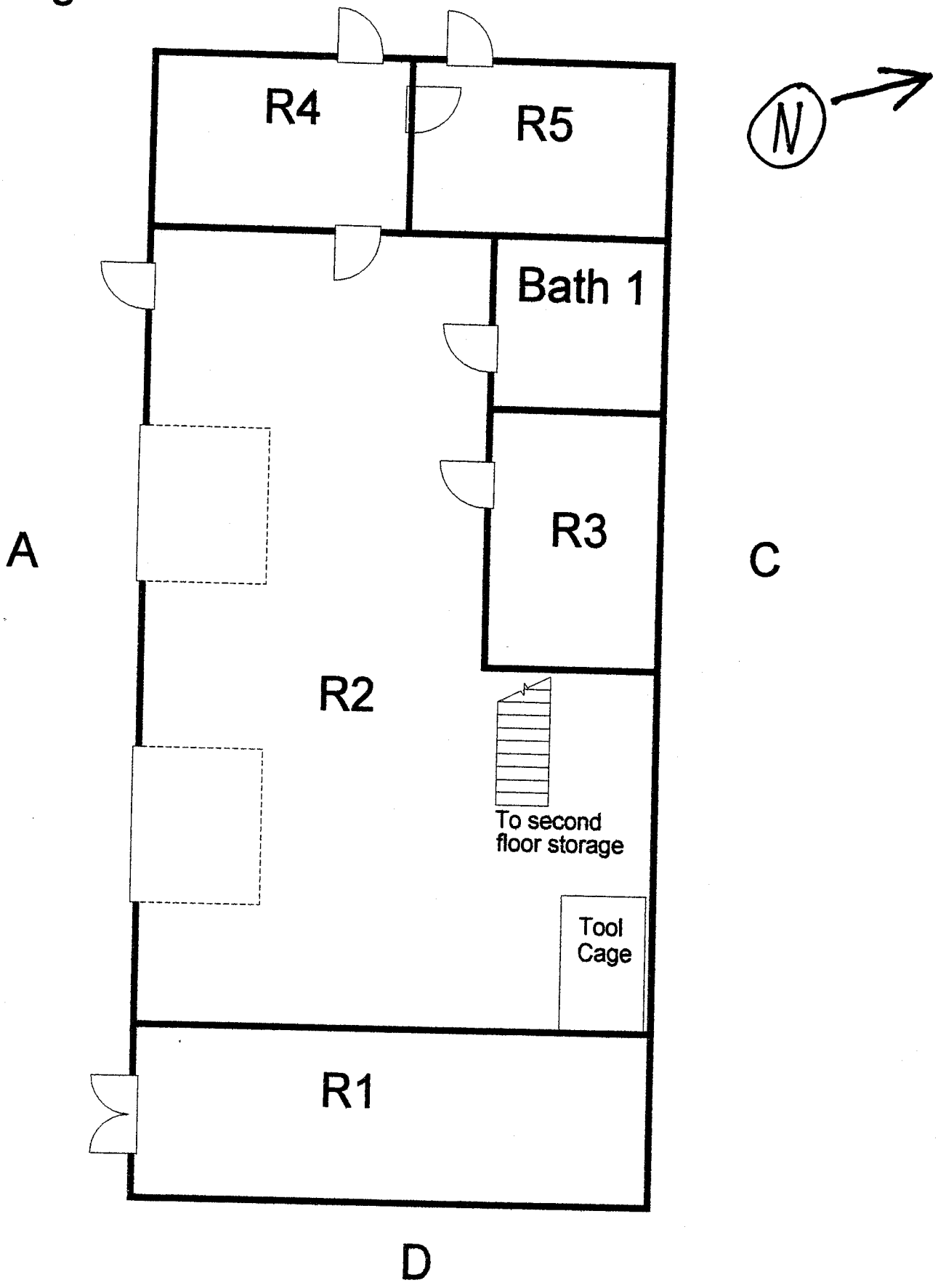
XLNo	Floor	Room	Room#	Side	Structure	Str#	Feature	Fea#	Condition	Substrate	PbLmg/cm2	Result
209	1	Locker	Rm	C	Locker		Door	Out	Solid	Metal	0	
210	1	Locker	Rm	C	Door		Jamb	Rht	Solid	Metal	0.06	
211	1	Locker	Rm	D	Wall		Wall	Upr	Solid	Drywall	0.03	
212	1	Locker	Rm	D	Door		Door		Solid	Wood	0	
213	1	Bath	3	B	Stall		Partition		Solid	Metal	0	
214	1	Bath	3	C	Wall		Wall	Upr	Solid	Drywall	0	
215	1	Bath	3	C	Wall	Steel	Beam		Solid	Metal	2.38	Pos
216	1	Bath	3	D	Wall		Wall	Upr	Solid	Drywall	0	
217	1	Bath	3	D	Wall		Pipes		Solid	Metal	0.14	
218	1	Bath	3	D	Closet		Casing		Solid	Metal	0.02	
219	1	Bath	3	D	Closet		Wall		Solid	Drywall	0	
220	1	Room	9	A	Wall		Wall	Lwr	Solid	Concrte	0.06	
221	1	Room	9	A	Wall		Midle Wall		Solid	Drywall	0.01	
222	1	Room	9	B	Wall		Wall	Upr	Solid	Drywall	0.02	
223	1	Room	9	C	Door		Jamb	Rht	Solid	Metal	0.05	
224	1	Room	9	C	Door		Door		Solid	Wood	0	
225	1	Room	9	C	Wall		Midle Wall		Solid	Drywall	0.05	
226	1	Room	9	D	Wall		Baseboard		Solid	Wood	0.06	
227	1	Outside		A	Sand Tank		Footing		Cracked	Metal	3.92	Pos
228	1	Calibrate	0								1.01	
229	1	Calibrate	0								0.97	
230	1	Calibrate	0								1.02	

XLNo	Floor	Room	Room#	Side	Structure	Str#	Feature	Fea#	Condition	Substrate	PbLmg/cm2	Result
231	1	Calibrate	0	A							1.05	
232	1	Calibrate	0	A							0.91	
233	1	Calibrate	0	A							1.02	
234	1	Outside	0	A	Door	1	Door		Cracked	Metal	3.25	Pos
235	1	Outside	0	A	Door	1	Jamb		Solid	Metal	0.04	
236	1	Outside	0	A	Window	1	Sash	Ext	Solid	Metal	3.19	Pos
237	1	Outside	0	A	Ext Wall		Siding		Cracked	Metal	0.02	
238	1	Outside	0	A	Door	2	Door		Cracked	Metal	0.12	
239	1	Outside	0	A	Door	2	Jamb		Cracked	Metal	4.14	Pos
240	1	Outside	0	B	Ext Wall		Siding		Solid	Metal	0.02	
241	1	Outside	0	B	Door	2	Door		Cracked	Metal	2.66	Pos
242	1	Outside	0	B	Door	2	Jamb		Cracked	Metal	2.38	Pos
243	1	Outside	0	C	Ext Wall		Siding		Solid	Metal	0.02	
244	1	Outside	0	D	Ext Wall		Siding		Solid	Metal	0.02	
141	1	Room	1	A	Door		Door		Cracked	Metal	4.25	Pos
142	1	Room	1	A	Door		Jamb	Lft	Cracked	Metal	>5.0	Pos
143	1	Room	1	A	Wall	Horizontal	Beam		Solid	Metal	0	
144	1	Room	1	A	Wall	Verticle	Beam		Solid	Metal	0.04	
145	1	Room	1	B	Wall		Elec Panel		Solid	Metal	0	
146	1	Room	1	C	Wall	Horizontal	Beam		Solid	Metal	0	
147	1	Room	1	D	Wall		Elec Panel		Solid	Metal	0.01	
245	1	Room	2	A	Door	2	Door		Solid	Metal	0.02	
246	1	Room	2	A	Door	2	Jamb	Rht	Cracked	Metal	0.02	
247	1	Room	2	A	Wall	Horizontal	Beam		Solid	Metal	0.04	
248	1	Room	2	B	Wall		Wall	Upr	Solid	Drywall	0.02	
249	1	Room	2	B	Wall		Elec Panel		Solid	Metal	0.06	
250	1	Room	2	B	Door	2	Door		Solid	Wood	0.04	
251	1	Room	2	B	Door	2	Jamb	Lft	Solid	Wood	0.02	
252	1	Room	2	C	Wall		Wall	Upr	Solid	Wood	0	
253	1	Room	2	C	Cabinet		Door	Out	Solid	Wood	0	
254	1	Room	2	C	Wall	Verticle	Beam		Solid	Metal	0	
255	1	Room	2	C	Wall	Tool	Cage		Solid	Wood	0.01	
256	1	Room	2	D	Wall	Horizontal	Beam		Solid	Wood	0.01	
257	2	Room	2	D	Wall	Verticle	Beam		Solid	Metal	0.01	
258	2	Room	2	D	Guard	Rail	Rail cap		Solid	Wood	0	

XLNo	Floor	Room	Room#	Side	Structure	Str#	Feature	Fea#	Condition	Substrate	PbLmg/cm2	Result
259	2	Room	2		Ceiling		Joist		Solid	Metal	0.01	
260	2	Room	2	D	Baluster		Rail		Solid	Wood	0.02	
261	1	Room	3	A	Wall		Wall	Upr	Solid	Drywall	0	
262	1	Room	3	A	Door		Door		Solid	Wood	0	
263	1	Room	3	A	Door		Jamb	Lft	Solid	Wood	0	
264	1	Room	3	B	Wall		Wall	Upr	Solid	Drywall	0.01	
265	1	Room	3	B	Cabinet		Door	Out	Solid	Wood	0	
266	1	Room	3	C	Wall		Midle Wall		Solid	Drywall	0	
267	1	Room	3	D	Wall		Wall	Upr	Solid	Drywall	0.02	
268	1	Room	3	D	Ceiling		Wall		Solid	Drywall	0	
269	1	Room	4	A	Window		Stool		Solid	Metal	0.01	
270	1	Room	4	A	Wall		Midle Wall		Solid	Drywall	0.01	
271	1	Room	4	A	Wall	Verticle	Beam		Solid	Metal	0.03	
272	1	Room	4	B	Door		Door		Solid	Metal	3.18	Pos
273	1	Room	4	B	Door		Jamb	Lft	Cracked	Metal	0.08	
274	1	Room	4	B	Wall		Wall	Upr	Solid	Drywall	0	
275	1	Room	4	B	Wall		Wall	Upr	Solid	Drywall	0	
276	1	Room	5	A	Wall		Midle Wall		Solid	Drywall	0.04	
277	1	Room	5	B	Door		Door		Solid	Metal	3.22	Pos
278	1	Room	5	B	Door		Jamb	Lft	Solid	Metal	0.04	
279	1	Room	5	B	Wall		Wall	Upr	Solid	Plaster	0.05	
280	1	Room	5	C	Wall		Wall	Upr	Solid	Drywall	0.01	
281	1	Room	5	D	Wall		Wall	Upr	Solid	Drywall	0.03	
282	1	Bath	1	A	Door		Door		Solid	Wood	0.05	
283	1	Bath	1	A	Door		Jamb	Rht	Solid	Wood	0.03	
284	1	Bath	1	A	Wall		Wall	Upr	Solid	Plaster	0.07	
285	1	Bath	1	A	Wall	B	Wall	Upr	Solid	Drywall	0.03	
286	1	Bath	1	A	Stall	B	Partition		Solid	Metal	0.02	
287	1	Bath	1	C	Wall	B	Wall	Upr	Solid	Drywall	0.15	
288	1	Bath	1	D	Wall	B	Wall	Upr	Solid	Drywall	0.02	
289	1	Calibrate	0								1	
290	1	Calibrate	0								0.92	
291	1	Calibrate	0								1.08	

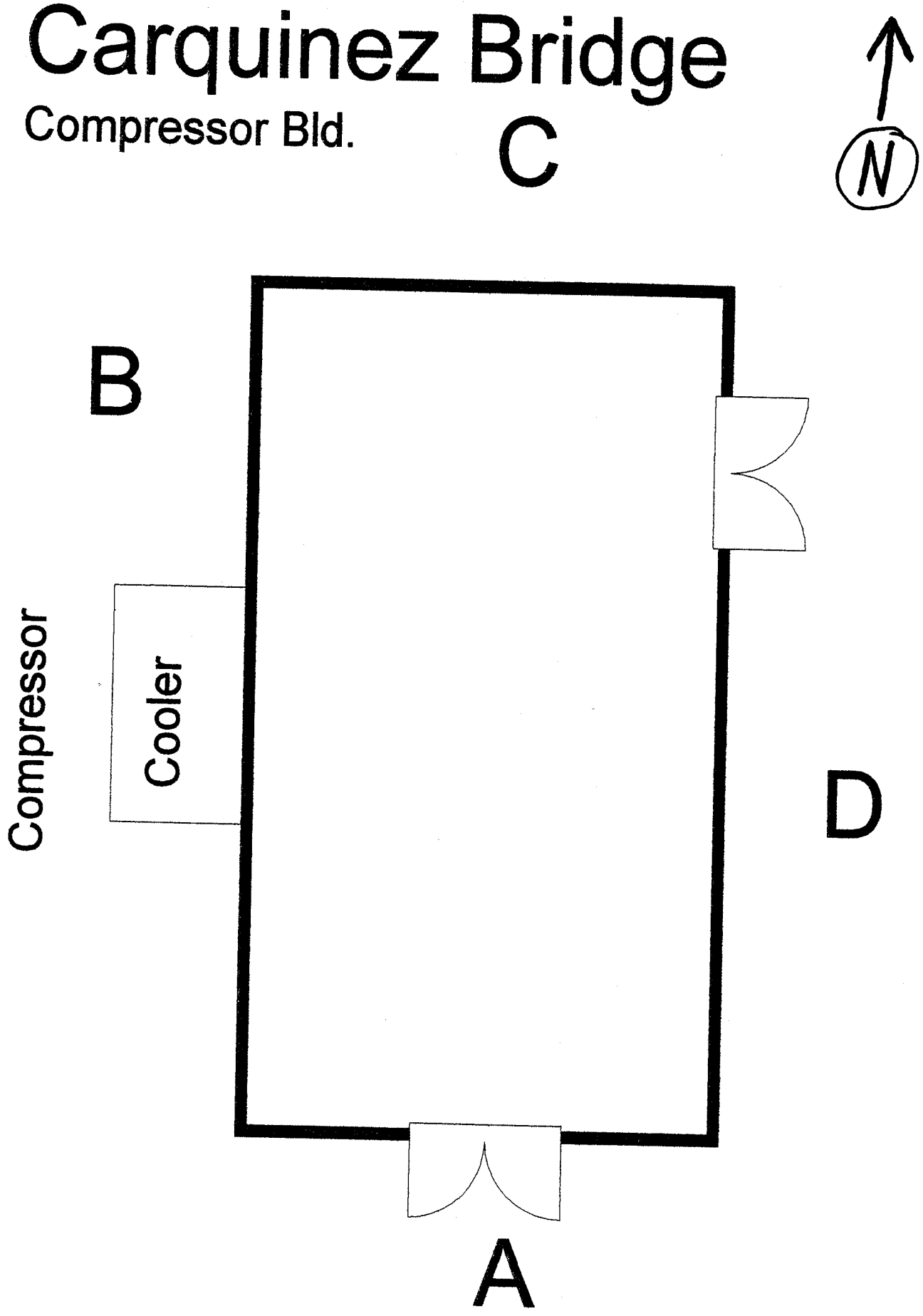

B
to second
Floor Storage
Paint
Warehouse
N
R8
Bath 1
Locker R.
Bath 3
R9
Hall
R7
R5
A
C
R6
R2
R3
R4
Porch
To second
Floor storage
R1
Porch
D

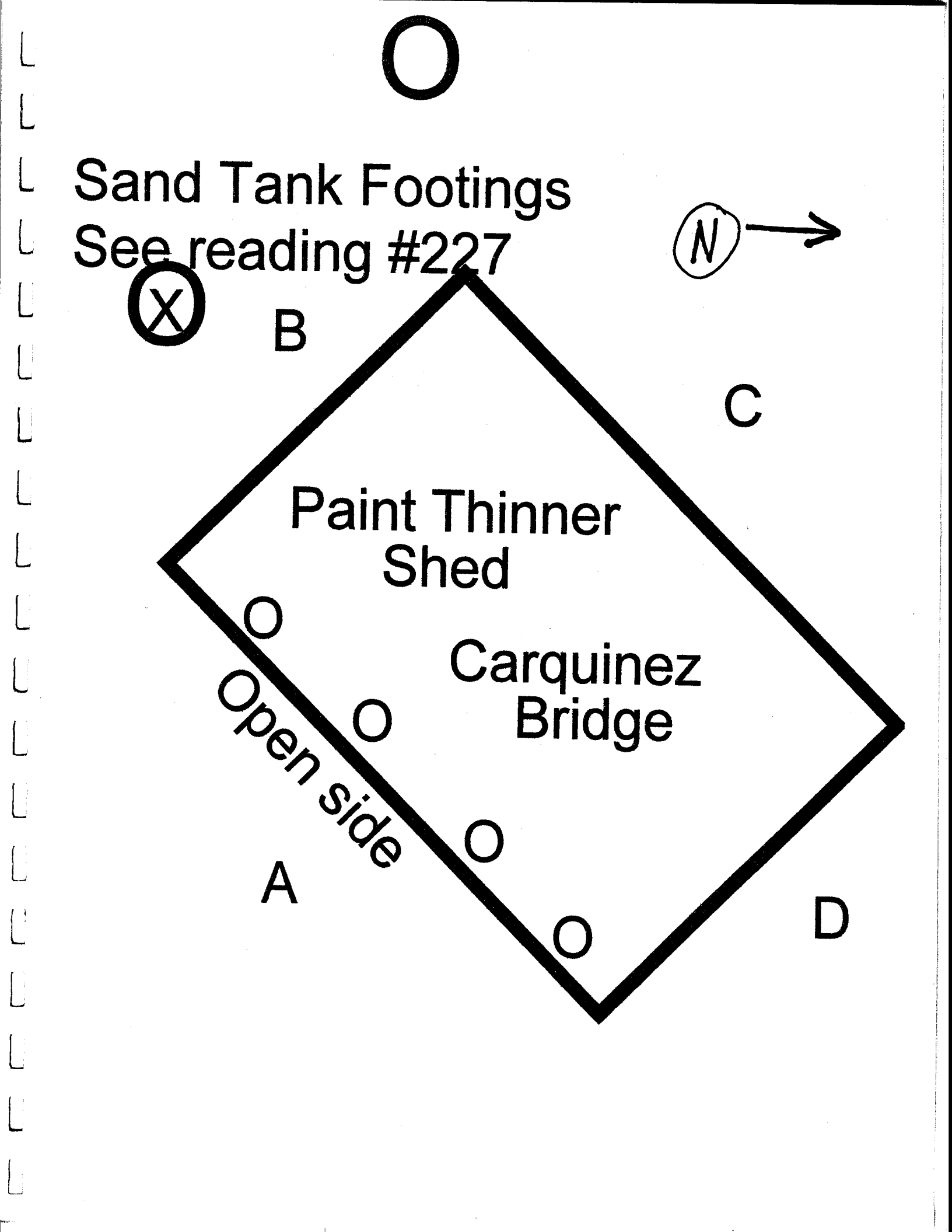
Maintenance Building

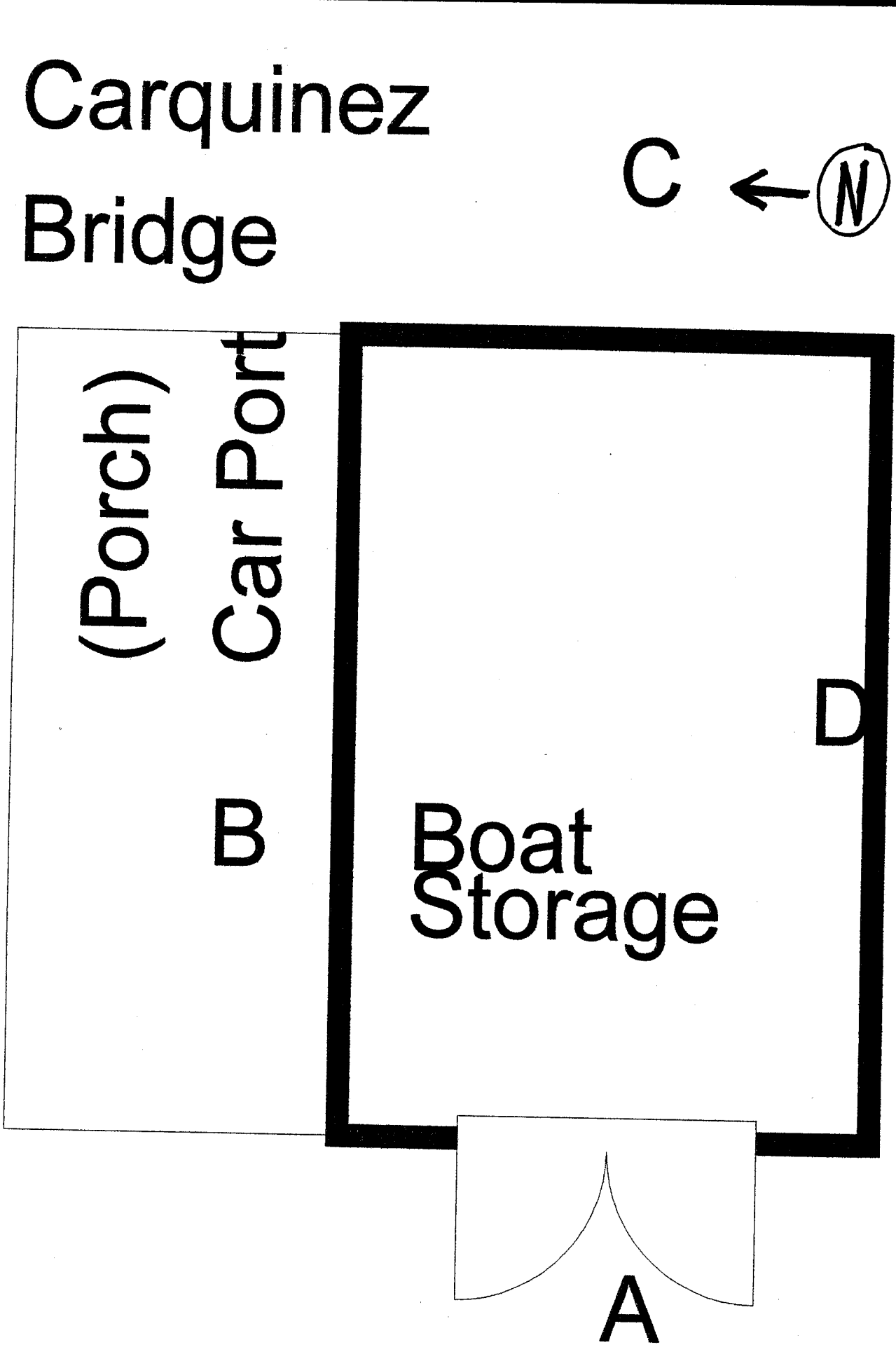


Carquinez Bridge

Compressor Bld.




Sand Tank Footings
See reading #227
N
B
C
Paint Thinner
Shed
Carquinez
Bridge
Open side
A
D


Carquinez
Bridge
C
N
(Porch)
Car Port
D
B
Boat
Storage
A