

# ASBESTOS REINSPECTION AND MANAGEMENT PLAN UPDATE

CDB - PROJECT NUMBER -- 910-010-127

ELGIN MENTAL HEALTH CENTER  
DEPARTMENT OF HUMAN SERVICES  
POWER PLANT  
CDB BUILDING NUMBER: BRO-50  
750 SOUTH STATE STREET  
ELGIN, KANE COUNTY, ILLINOIS 60123

CONTRACTS: ASBESTOS MANAGEMENT PLAN REINSPECTION REPORT FOR  
ELGIN MENTAL HEALTH CENTER  
DEPARTMENT OF HUMAN SERVICES

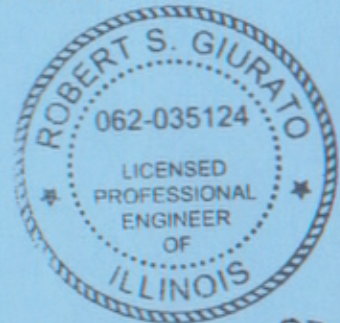
STATE OF ILLINOIS

## CAPITAL DEVELOPMENT BOARD SPRINGFIELD, ILLINOIS

USING AGENCY: DEPARTMENT OF HUMAN SERVICES

BY:  
ENVIRONMENTAL DESIGN INTERNATIONAL, INC.  
200 S. MICHIGAN AVE. SUITE 700  
CHICAGO, ILLINOIS 60604  
312-356-5400

DATE OF SUBMITTAL: JULY 1, 2002



EXPIRATION DATE 11-30-03  
DATE 7/1/02

Professional Seals

License expiration date

11/30/03

Signature

Robert S. Giurato

Date signed

7/1/02



# ASBESTOS REINSPECTION AND MANAGEMENT PLAN UPDATE

ELGIN MENTAL HEALTH CENTER  
DEPARTMENT OF HUMAN SERVICES  
750 SOUTH STATE STREET  
POWER PLANT  
CDB BUILDING #BRO-50  
ELGIN, KANE COUNTY, ILLINOIS 60123

CDB PROJECT # 910-010-127

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# FORM 4

## INTRODUCTION TO THE MANAGEMENT PLAN

### A. Policy Statement:

This Management Plan is intended to be a working document which will serve as a guide to staff, employees, occupants and visitors in minimizing the risk of exposure to asbestos fibers. The State of Illinois recognizes the serious health hazards associated with asbestos fibers. The State has conducted an inspection of this facility in order to determine whether asbestos is present, and if so, where the asbestos is located.

This Management Plan sets forth the recommended response actions for the ACM (asbestos containing material) within this facility. Further, where required, an Operations & Maintenance (O & M) Program has been established which will be implemented by facility staff.

This Plan has been reviewed by CDB, the Contracting Agency and the Using Agency and represents the policies and procedures to be implemented with respect to any ACM within this facility.

Dated: \_\_\_\_\_

\_\_\_\_\_  
Capital Development Board Representative

Representative:

Dated: \_\_\_\_\_

\_\_\_\_\_  
Agency (Designated Person)

Dated: 7/1/02 \_\_\_\_\_

*Sanford Moses*  
\_\_\_\_\_  
Management Planner

## B. APPLICABLE STANDARDS

This Management Plan was developed in accordance with CDB's A/E Manual of Procedures for Asbestos Inspections and Management Plans. The IDPH Rules are the minimum standard referenced herein.

## C. ASBESTOS AS A HEALTH HAZARD

The adverse health effects of asbestos were first noted in the early 1900s. The early reports described asbestosis, a form of generalized scarring in the lungs, in workers occupationally exposed to asbestos. Later, in 1935, attention was also directed to lung cancer associated with asbestos exposure and, after a report from South Africa in 1960, it became apparent that exposure to asbestos was also associated with mesothelioma, a formerly very rare and unusual cancer of tissues lining the chest and abdominal cavity.

Currently, five important health effects have been associated with asbestos exposure. They are: lung cancer, mesothelioma, gastrointestinal cancer, asbestos related pleural disease, and asbestosis.

Lung Cancer - Lung Cancer is now the most common form of cancer in both men and women in the United States and cigarette smoking is clearly the major risk factor. Numerous epidemiological studies have demonstrated an unequivocal relationship of lung cancer with asbestos exposure in the work place. Thirty-two studies of different occupationally exposed groups have demonstrated significant association between asbestos exposure and lung cancer. Furthermore, an increase in asbestos exposure, expressed as concentration of asbestos fibers and duration of exposure in the work place, appears to increase lung cancer rates. This data suggests that the dose response relationship is probably linear, but it is not yet known whether or not a threshold level of exposure exists below which no increased risk is found.

Of great importance is the observation that cigarette smoking appears to interact with asbestos in a multiplicative manner as to greatly increase the risk of developing lung cancer. Work place asbestos exposure alone may increase the risk of lung cancer by five times. Asbestos exposure plus smoking, however, appears to increase the risk by about fifty times.

It has been shown that the greatest risk of developing lung cancer occurs at twenty or more years after the initial asbestos exposure. The existence of this latency period or lag time indicates that asbestos associated lung cancers will continue to occur in the future from exposures which happened in the past.

Mesothelioma - Mesothelioma is a cancer of the membranes lining the chest and abdominal cavity. Years ago, mesothelioma was a medical curiosity because it was so rare. When malignant mesothelioma is seen today, asbestos exposure is likely to have previously occurred.



The data linking asbestos exposure to mesothelioma is based upon many of the same epidemiological studies of workers that demonstrated an association between asbestos exposure and lung cancer. The findings are somewhat different than for lung cancer. Lower non-occupational exposures have also been associated with mesothelioma in addition to occupational exposure. Therefore lower levels of exposure to asbestos as found in some non-occupational settings may give rise to mesothelioma. Secondly, the nature of the dose response relationship may be different from that of lung cancer. The risk continues to increase as the number of years since first exposure increases. In many cases, a latent period of more than forty years has been described.

Gastrointestinal Cancer - Several of the epidemiological studies of workers occupationally exposed to asbestos have shown increased risks of gastrointestinal cancer including cancers of the colon, rectum, stomach and esophagus. The risk, however, does not appear to be as great as for lung cancer. To date, no association has been found between asbestos in drinking water and gastrointestinal cancer.

Asbestos Related Pleural Disease - This category of health effects includes fibrous and sometimes calcified plaques as well as diffuse thickening of the pleural and the pleural effusion. These are non-cancerous changes of the membranes surrounding the lungs and commonly occur many years after asbestos exposure. The presence of plaques suggest prior asbestos exposure but usually does not cause any symptoms or respirator impairment.

Asbestosis - Asbestosis is a disabling lung disorder consisting of generalized scarring of the lungs which causes shortness of breath on exertion. Asbestosis has been described almost exclusively in workers with occupational exposure to high concentrations of asbestos-containing dusts. In asbestosis, there appears to be a very strong dose response relationship in that the greater the concentration of asbestos fibers, and the longer the duration of exposure, the greater the likelihood and severity of asbestosis.

As with the other asbestos related health effects, there is usually a time lag or latent period of several years before the development of disease. Once acquired, asbestosis tends to progress slowly, sometimes for years after asbestos exposure has ended.

**ACCREDITATION OF MANAGEMENT PLANNER(S)**

I, Sanford Moses, prepared or supervised the preparation of this Asbestos Management Plan for POWER PLANT BUILDING CDB# BRO-50 at the ELGIN MENTAL HEALTH CENTER

I am licensed as a Management Planner by the State of Illinois and have attached verification of such below.

Signature: Sanford Moses Date: 7/1/02

IDPH LICENSE NO: 100-5957

**IDPH IDENTIFICATION CARD  
FRONT**

**IDPH IDENTIFICATION CARD  
BACK**

State of Illinois A 130747  
Department of Public Health  
LICENSE, PERMIT, CERTIFICATION, REGISTRATION  
ASBESTOS PROFESSIONAL LICENSE

EXPIRATION DATE 05/15/2003	CATEGORY 5319	I.D. NUMBER 100-05957
-------------------------------	------------------	--------------------------

SANFORD MOSES  
MANAGEMENT PLANNER  
PROJECT MANAGER  
INSPECTOR AIR SAMPLING PROFESSIONAL

THE PERSON, FIRM OR CORPORATION WHOSE NAME APPEARS ON THIS CERTIFICATE HAS COMPLIED WITH THE PROVISIONS OF THE ILLINOIS STATUTES AND/OR RULES AND REGULATIONS AND IS HEREBY AUTHORIZED TO ENGAGE IN THE ACTIVITY INDICATED ON THE FACE OF THIS CARD.



ISSUED UNDER THE AUTHORITY OF  
STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC HEALTH

SIGNATURE OF LICENSEE

Sanford Moses

ACCREDITATION OF INSPECTOR(S)

I, MICHAEL R. BROLL, MA have completed a 3 year reinspection  
for the POWER PLANT, CDB BUILDING # BRO-50.

at the ELGIN MENTAL HEALTH CENTER Facility and have  
included all changes since the previous inspection in this report.

I am licensed as an Inspector by the State of Illinois and have attached  
verification of such below.

Signature: *Michael R. Broll* Date: 07/01/02

IDPH LICENSE NO: 100-5788

IDPH IDENTIFICATION CARD  
FRONT

IDPH IDENTIFICATION CARD  
BACK

State of Illinois A 133263  
Department of Public Health  
LICENSE, PERMIT, CERTIFICATION, REGISTRATION  
ASBESTOS PROFESSIONAL LICENSE

EXPIRATION DATE 05/15/2003	CATEGORY 5319	I.D. NUMBER 100-05788
-------------------------------	------------------	--------------------------

MICHAEL  
BROLL  
PROJECT MANAGER  
INSPECTOR AIR SAMPLING PROFESSIONAL

THE PERSON, FIRM OR CORPORATION WHOSE NAME APPEARS  
ON THIS CERTIFICATE HAS COMPLIED WITH THE PROVISIONS  
OF THE ILLINOIS STATUTES AND/OR RULES AND REGULATIONS  
AND IS HEREBY AUTHORIZED TO ENGAGE IN THE ACTIVITY  
INDICATED ON THE FACE OF THIS CARD.

ISSUED UNDER THE AUTHORITY OF  
STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC HEALTH

*Michael R. Broll*  
SIGNATURE OF LICENSEE

175  
176

177  
178

179  
180



## NARRATIVE DESCRIPTION

**Using Agency:** DEPARTMENT OF HUMAN SERVICES

**Building Name:** POWER PLANT

**CDB Building #:** BRO-50

**Building Address:** 750 SOUTH STATE STREET, ELGIN, ILLINOIS

**Date of Inspection:** JUNE 11, 2002

**Year Constructed:** 1900

**Renovations:** UNKNOWN

**Additions:** 1 (1952)

**No. of Floors:** 2

**Area:** 36,009 S.F.

**Building Use:** POWER HOUSE/INDUSTRIAL

**Building Occupancy:** 20

**Exterior Surface Materials:** BRICK

**Type of Roof:** BUILT-UP

**Condition of Roof:** GOOD

**Type of Mechanical System:** STEAM

**Condition of Mechanical System:** GOOD

**Non ACM Types of Pipe Insulation:** FIBERGLASS

**History of Previous Asbestos  
Detection and Abatement:** A REQUEST FOR HISTORICAL INFORMATION HAS  
BEEN MADE TO THE STATE OF ILLINOIS. NO  
INFORMATION HAS BEEN RETURNED AT THIS TIME.

**Extent of ACM in the POWER PLANT - CDB #BRO-50:**

The following materials were assumed to be asbestos materials:

**MMA** FURNACE GASKETS-BASEMENT - FRIABLE

**MMB** WINDOW CAULK-NON-FRIABLE

**MTA** EXTERIOR COOLING TOWER TRANSITE PANELS-NON FRIABLE

These materials are in good condition, and do not pose a threat to building occupants.

The condition of the material identified in the previous inspection has not changed.

**PREVIOUS HOMOGENEOUS AREAS:**

SPA - HARD PLASTER (PRE-1952) - DISTRIBUTED DAMAGE 1 TO 10%

SPB - HARD PLASTER (POST-1952) - DISTRIBUTED DAMAGE 1 TO 10%

TPA - MAGNESIUM PIPE INSULATION - DISTRIBUTED SIGNIFICANT DAMAGE >10%

TPB - PAPER WRAP PIPE INSULATION - DISTRIBUTED DAMAGE 1 TO 10%

TPC - AIRCELL PIPE INSULATION - DISTRIBUTED SIGNIFICANT DAMAGE >10%

TJA - CEMENTITIOUS JOINT INSULATION ON MAGNESIUM PIPES - DISTRIBUTED SIGNIFICANT DAMAGE >10%

TJB - CEMENTITIOUS JOINT INSULATION ON PAPER WRAP PIPE - DISTRIBUTED DAMAGE 1 TO 10%

TJC - CEMENTITIOUS JOINT INSULATION ON AIRCELL PIPES - DISTRIBUTED DAMAGE 1 TO 10%

TJD - CEMENTITIOUS JOINT INSULATION ON FIBERGLASS PIPES - DISTRIBUTED DAMAGE 1 TO 10%

TBA - AIRCELL BLOCK INSULATION - DISTRIBUTED SIGNIFICANT DAMAGE >10%

TBB - THERMAL LAGGING-CIRCA 1958 - DISTRIBUTED DAMAGE 1 TO 10%

TBC - THERMAL LAGGING-CIRCA 1949 - DISTRIBUTED DAMAGE 1 TO 10%

TBD - THERMAL LAGGING-CIRCA 1961 - DISTRIBUTED DAMAGE 1 TO 10%

TBE - TROWLED CEMENTITIOUS INSULATION - DISTRIBUTED DAMAGE 1 TO 10%

TFA - BREECHING - DISTRIBUTED SIGNIFICANT DAMAGE >10%

TTA - MAGNESIUM INSULATION ON HOLDING TANK - GOOD CONDITION

TTB - MAGNESIUM INSULATION ON HOLDING TANK - GOOD CONDITION

TTD - STEAM TANK INSULATION - DISTRIBUTED DAMAGE 1 TO 10%

TTE - HOT WATER TANK INSULATION - GOOD CONDITION

TTF - PRE-HEAT TANK INSULATION - GOOD CONDITION

MMC - FIREBRICK-CIRCA 1949 - GOOD CONDITION

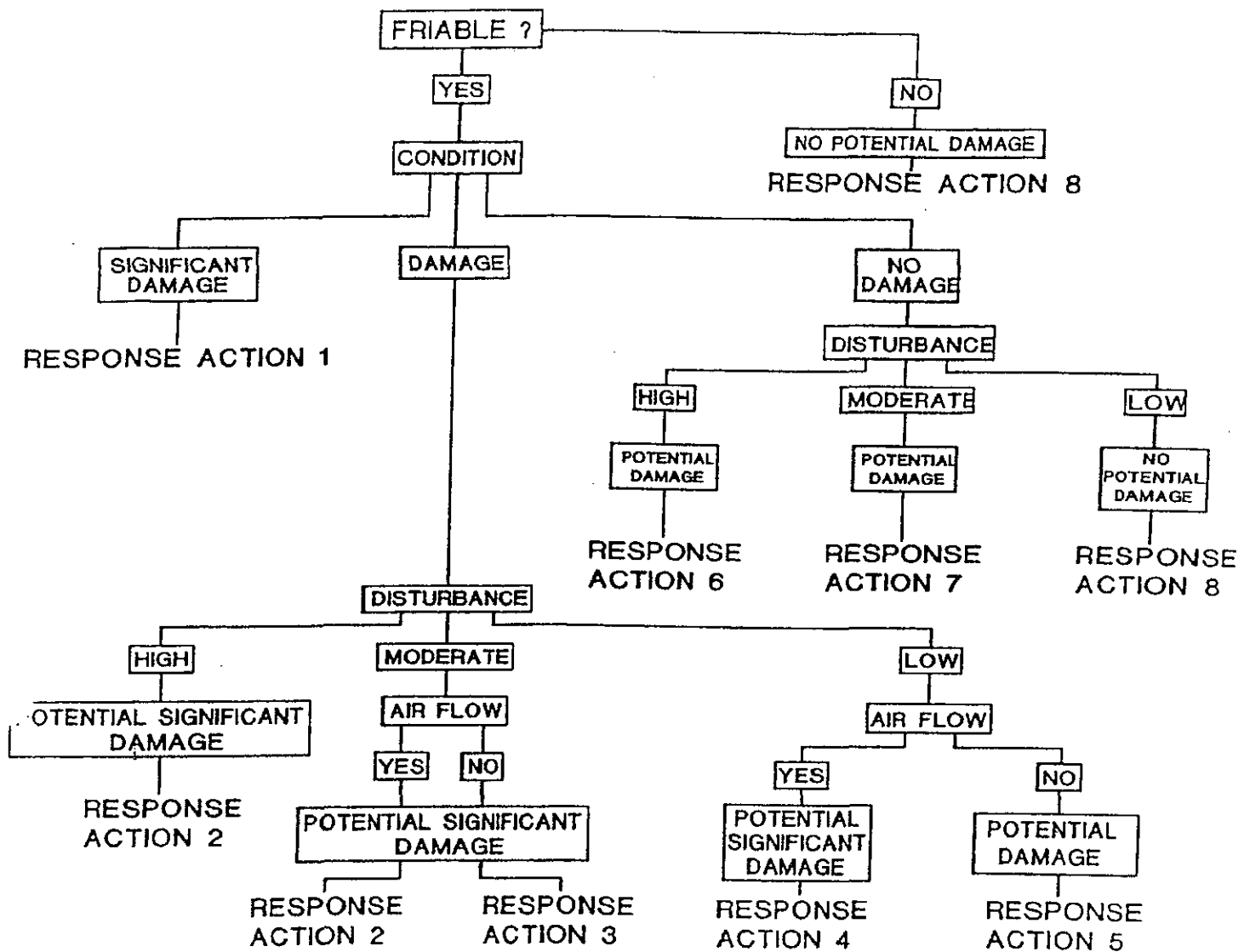
MMD - FIREBRICK-CIRCA 1961 - GOOD CONDITION

MME - VIBRATION DAMPERS - GOOD CONDITION

PREVIOUS HOMOGENEOUS AREAS (CONTINUED):

MMF - PIPE FLANGE GASKETS - DISTRIBUTED DAMAGE 1 TO 10%  
MMG - BUILT-UP ROOFING - GOOD CONDITION  
MMH - BOILER ROOM GASKETS - GOOD CONDITION  
MSA - AIRCELL BLOCK INSULATION - GOOD CONDITION  
MSB - FIREBRICK - GOOD CONDITION  
MSC - GASKETS - GOOD CONDITION  
MSD - CEMENTITIOUS POWDER - LOCALIZED DAMAGE 1 TO 25%  
MSE - THERMAL INSULATION CLOTH - GOOD CONDITION  
MSF - FIBROUS INSULATION PANELS - GOOD CONDITION  
MSG - INSULATION BLANKETS - GOOD CONDITION  
MTA - TRANSITE PANELS - GOOD CONDITION

FORM 5  
DECISION TREE



### RESPONSE ACTIONS KEY

1. Isolate area and restrict access. Remove as soon as possible.
2. Continue O & M. Remove as soon as possible or reduce potential for disturbance.
3. Continue O & M. Schedule removal when practical and cost-effective, or reduce disturbance.
- 4-5. Continue O & M. Schedule removal when practical and cost-effective, number indicates priority for removal.
- 6-7. Continue O & M. Take preventive measures to reduce disturbance. Number indicates priority for removal.
8. Continue O & M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O & M program may include enclosure and encapsulation, where appropriate to increase the effectiveness of O & M. Removal is always an option.

**SUMMARY OF FINDINGS**

**PHASE I - INSPECTION REPORT**

ELGIN MENTAL HEALTH CENTER  
DEPARTMENT OF HUMAN SERVICES  
POWER PLANT  
CDB BUILDING # BRO-50  
750 SOUTH STATE STREET  
ELGIN, KANE COUNTY, ILLINOIS

**CDB PROJECT #910-010-127**

<b>HOMO AREA</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>NUMBER SAMPLES RECOMMENDED</b>	<b>REMOVAL COST ESTIMATE</b>
MMA	FURNACE GASKETS-BASEMENT	150 S.F.	0	\$13,109.25
MMB	WINDOW CAULK	8,000 L.F.	0	\$88,530.75
MTA	EXTERIOR COOLING TOWER TRANSITE PANELS	5,000 S.F.	0	\$30,318.75

**SUMMARY OF FINDINGS**

**PHASE II - SAMPLING REPORT**

ELGIN MENTAL HEALTH CENTER  
DEPARTMENT OF HUMAN SERVICES  
POWER PLANT  
CDB BUILDING # BRO-50  
750 SOUTH STATE STREET  
ELGIN, KANE COUNTY, ILLINOIS

**CDB PROJECT # 910-010-127**

HOMO AREA	DESCRIPTION	QUANTITY	ACM			NOTES
			ASSUMED	POS	NEG	
MMA	FURNACE GASKETS- BASEMENT	150 S.F.	X			
MMB	WINDOW CAULK	8,000 S.F.	X			
MTA	EXTERIOR COOLING TOWER TRANSITE PANELS	5,000 S.F.	X			

FORM 6 - SUMMARY OF FINDINGS

MANAGEMENT PLAN PHASE III

C.D.B. PROJECT NO. 910-010-127

BUILDING NAME POWER PLANT

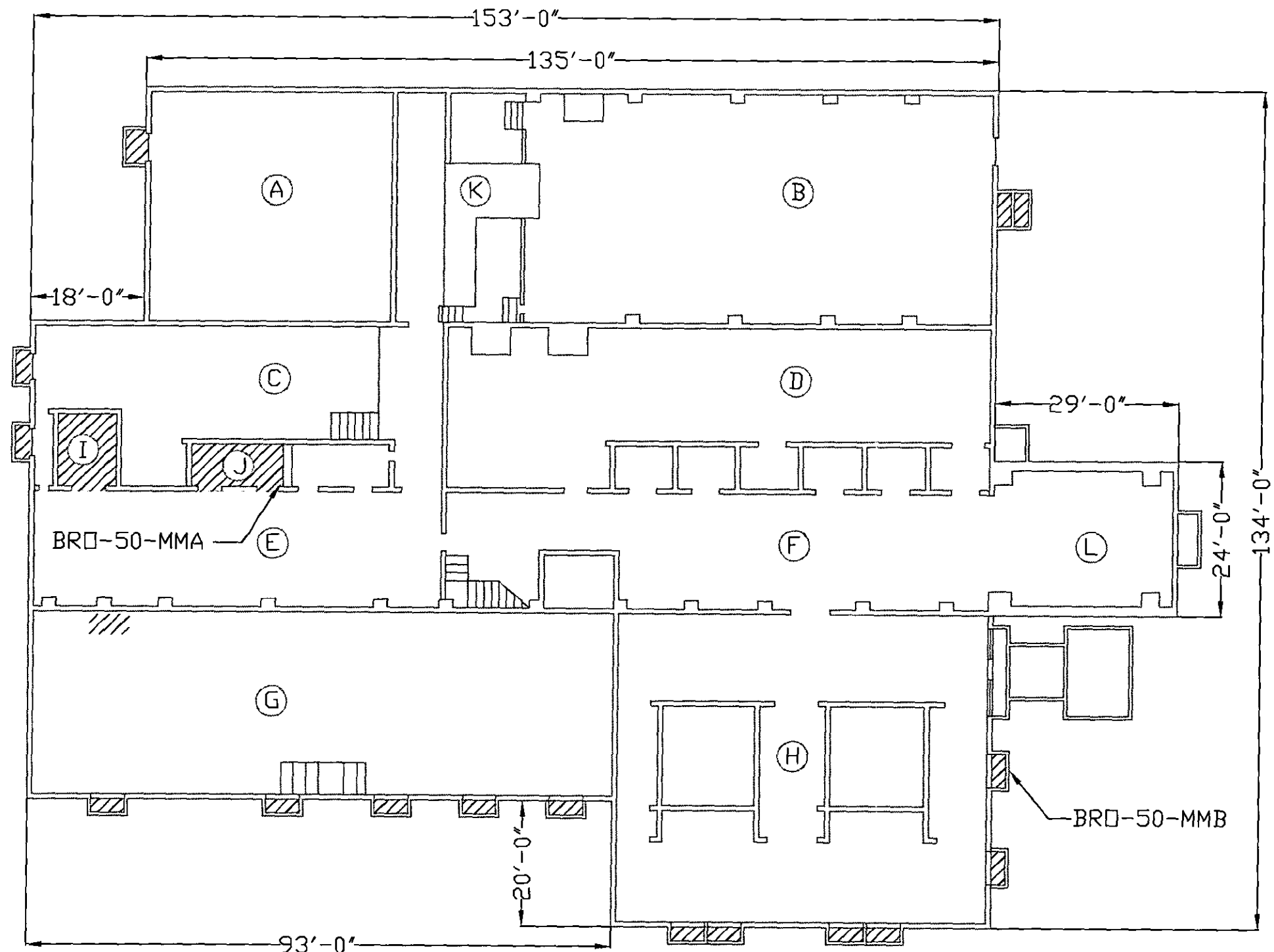
LIST IN ORDER OF RESPONSE ACTIONS NUMBER

C.D.B BUILDING NO. BRO-50

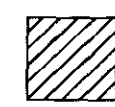
HOMOGENEOUS AREA	MATERIAL DESCRIPTION	ACM CONTENT (%)				DAMAGE ASSESSMENT							RESPONSE ACTION		
		CHRYSO TILE	AMOSITE	OTHER	ASSUMED ACM	NO DAMAGE	SALIENT	DAMAGE	SIGNIFICANT DAMAGE	NO POTENTIAL DAMAGE	POTENTIAL DAMAGE	POTENTIAL SIGNIFICANT DAMAGE		NUMBER	
MMA	FURNACE GASKETS-BASEMENT				X					X				8	O & M
MMB	WINDOW CAULK				X					X				8	O & M
MTA	EXTERIOR COOLING TOWER TRANSITE PANELS				X					X				8	O & M



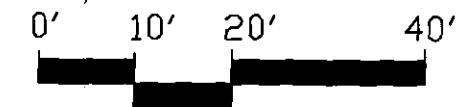
NORTH



MISCELLANEOUS MATERIAL:



MMA-RESPONSE ACTION PAGE VII.MMA.5  
 (FURNACE GASKETS-BASEMENT)  
 MMB-RESPONSE ACTION PAGE VII.MMB.6  
 (WINDOW CAULK)



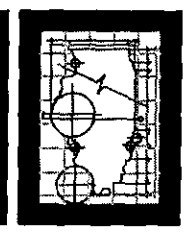
SCALE: 1" = 20' - 0"

BASEMENT FLOOR PLAN

REVISIONS		
NO.	DATE	REMARKS

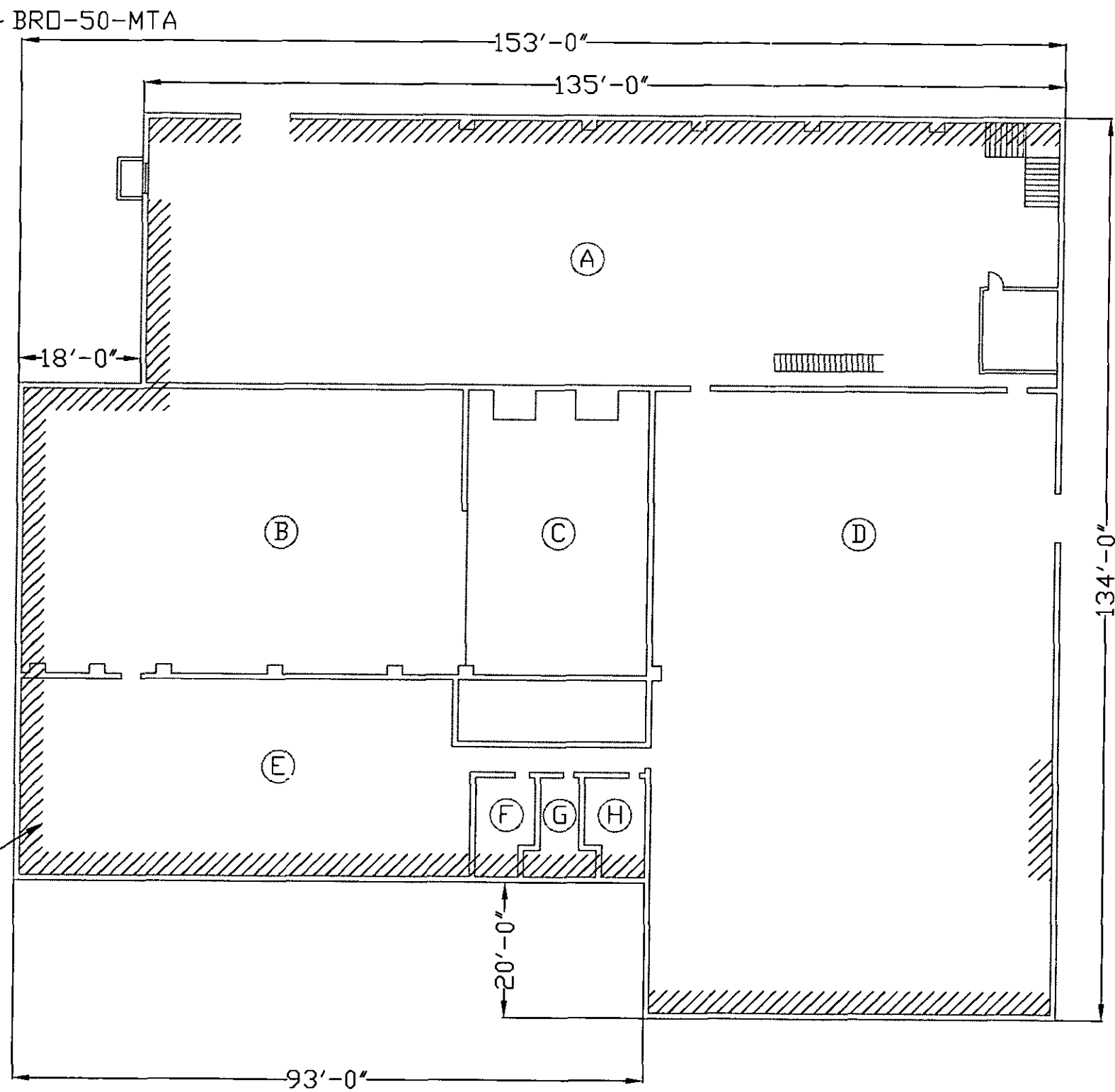
**EDI** ENVIRONMENTAL DESIGN INTERNATIONAL inc.  
 200 S. MICHIGAN AVENUE, SUITE 700  
 CHICAGO, IL 60604 PHONE: (312)-356-5400

CAPITAL DEVELOPMENT BOARD



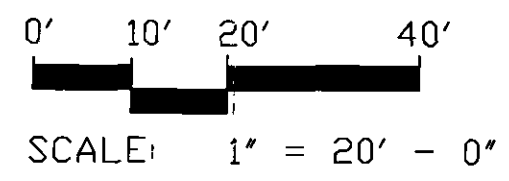
**BASEMENT FLOOR PLAN**  
**POWER PLANT**  
**ELGIN MENTAL HEALTH CENTER**  
**750 S. STATE STREET**  
**ELGIN, KANE COUNTY, IL**  
**CDB BUILDING # BRO-50**

PROJECT NO.  
910-010-127  
 DATE  
05/17/02  
 SHEET NO.  
**ASB-1**



MISCELLANEOUS MATERIAL

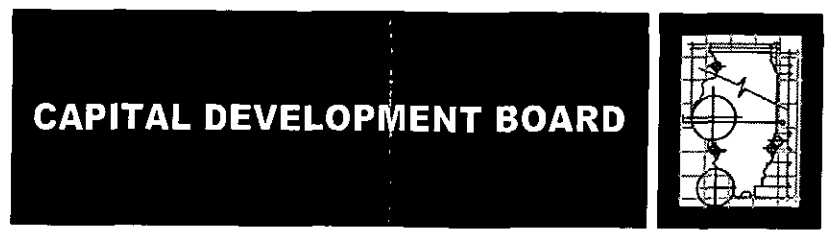
- MMB-RESPONSE ACTION PAGE VII.MMB.6 (WINDOW CAULK)
- MTA-RESPONSE ACTION PAGE VII.MTA.5 (EXTERIOR COOLING TOWER TRANSITE PANELS)



UPPER FLOOR PLAN

REVISIONS		
NO.	DATE	REMARKS

**EDI** ENVIRONMENTAL DESIGN INTERNATIONAL inc.  
 200 S. MICHIGAN AVENUE, SUITE 700  
 CHICAGO, IL 60604 PHONE: (312)-356-5400



**UPPER FLOOR PLAN**  
**POWER PLANT**  
**ELGIN MENTAL HEALTH CENTER**  
**750 S. STATE STREET**  
**ELGIN, KANE COUNTY, IL**  
**CDB BUILDING # BRO-50**

PROJECT NO.  
910-010-127  
 DATE  
05/17/02  
 SHEET NO.  
**ASB-1**

MMA

FORM 9

HOMOGENEOUS AREA INSPECTION REPORT

CDB Building #: BRO-50 Homogeneous Area: MMA

INSPECTION DATE: 6/11/02 CDB PROJECT NO. 910-010-127

CONTROLLING AGENCY: DEPARTMENT OF HUMAN SERVICES

FACILITY: ELGIN MENTAL HEALTH CENTER

BUILDING NAME: POWER PLANT

BUILDING ADDRESS: 750 SOUTH STATE STREET, KANE COUNTY, ELGIN, ILLINOIS

A/E FIRM: ENVIRONMENTAL DESIGN INTERNATIONAL, INC.

INSPECTOR: MICHAEL R. BROLL, MA IDPH License NO. 100-5788

LOCATION: BASEMENT

ROOMS: BASEMENT ROOMS I AND J

MATERIAL DESCRIPTION: FURNACE GASKETS - BASEMENT

Common designation - i.e. air cell)

TYPE OF SYSTEM: HVAC

(i.e. hot water)

COLOR-TEXTURE, ETC.: WHITE

FRIABLE: Yes  No  Pipe Diameter \_\_\_\_\_ Inches

TOTAL QUANTITY: 150 Sq. ft. \_\_\_\_\_ Lin. ft. \_\_\_\_\_ Ea.

QUANTITY IN: Occupied 150 Restricted \_\_\_\_\_ Unoccupied \_\_\_\_\_

ROOM FINISHES:

CEILING CONCRETE

WALLS CINDER BLOCKS

FLOOR CONCRETE

DAMAGE ASSESSMENT:

	No Damage	Damaged	Significant Damage
LOCALIZED OR	<1% <input checked="" type="checkbox"/>	1-25% _____	>25% _____
DISTRIBUTED	<1% _____	1-10% _____	>10% _____

If <1% damage, is salient present? Yes \_\_\_\_\_ No

If yes, describe \_\_\_\_\_

WATER DAMAGE	Yes _____	No <input checked="" type="checkbox"/>	Description _____
PHYSICAL DAMAGE	Yes _____	No <input checked="" type="checkbox"/>	Description _____
AGE DETERIORATION	Yes _____	No <input checked="" type="checkbox"/>	Description _____

FORM 9 - Page 2

CDB BUILDING #: BRO-50

Homogeneous Area: MMA

DISTURBANCE FACTORS

ACCESSIBLE TO OCCUPANTS  
MAINTENANCE PERSONNEL  
HEIGHT FROM FLOOR  
AREA ABOVE  
AREA ADJACENT  
OCCUPANCY (#)  
FREQUENCY OF USE (Hrs)  
UTILIZATION OF AREA

Yes X No \_\_\_  
Yes X No \_\_\_  
5 ft.  
VARIOUS - SEE FLOOR PLAN  
BASEMENT ROOMS C AND E  
0 \_\_\_ 1-2 \_\_\_ 3-10 X 10+ \_\_\_  
0 \_\_\_ 1-2 \_\_\_ 3-10 \_\_\_ 10+ X  
MAINTENANCE/PROVIDE HEATING AND COOLING TO FACILITY

SERVICEABLE COMPONENTS

(distance in ft. to)

ELECTRICAL  
MECHANICAL  
PIPING  
OTHER \_\_\_\_\_

<1 \_\_\_ 1-5 X >5 \_\_\_  
<1 \_\_\_ 1-5 X >5 \_\_\_  
<1 \_\_\_ 1-5 X >5 \_\_\_  
<1 \_\_\_ 1-5 \_\_\_ >5 \_\_\_

VIBRATION Yes \_\_\_ No X  
MECHANICAL (MOTOR) Yes \_\_\_ No X  
PLUMBING (KNOCKING) Yes \_\_\_ No X  
OTHER \_\_\_\_\_ Yes \_\_\_ No \_\_\_

BARRIER  
SUSPENDED CEILING  
ENCAPSULATION  
ENCLOSURE  
OTHER \_\_\_\_\_

Yes \_\_\_ No X  
Yes \_\_\_ No X  
Yes \_\_\_ No X  
Yes \_\_\_ No X  
Yes \_\_\_ No \_\_\_

AIR MOVEMENT  
IF YES

Yes X No \_\_\_  
Low \_\_\_ Mod X Heavy \_\_\_

DISTANCE TO FRIABLE MATERIAL

EXTERIOR DOOR  
EXHAUST FAN  
GRAVITY VENT  
SUPPLY AIR  
RETURN AIR  
OTHER \_\_\_\_\_

Yes X No \_\_\_  
Yes X No \_\_\_  
Yes X No \_\_\_  
Yes X No \_\_\_  
Yes X No \_\_\_  
Yes \_\_\_ No \_\_\_

\_\_\_\_\_  
100 FT.  
\_\_\_\_\_  
150 FT.  
\_\_\_\_\_  
150 FT.  
\_\_\_\_\_  
150 FT.  
\_\_\_\_\_  
150 FT.

INSPECTOR'S ASSESSMENT

No Potential for Damage \_\_\_ X Potential for Damage \_\_\_  
Potential for Significant Damage \_\_\_

EXPLANATION OF

THERE IS NO POTENTIAL FOR DAMAGE. UNDER NORMAL CONDITIONS THE MATERIAL IS NOT  
DISTURBED.

ASSESSMENT (REQUIRED)

CONTINUE O & M PROGRAM

DAMAGE PREVENTION  
MEASURES  
COMMENTS

INSPECTOR'S SIGNATURE

Mill C. Hill DATE 7-1-2

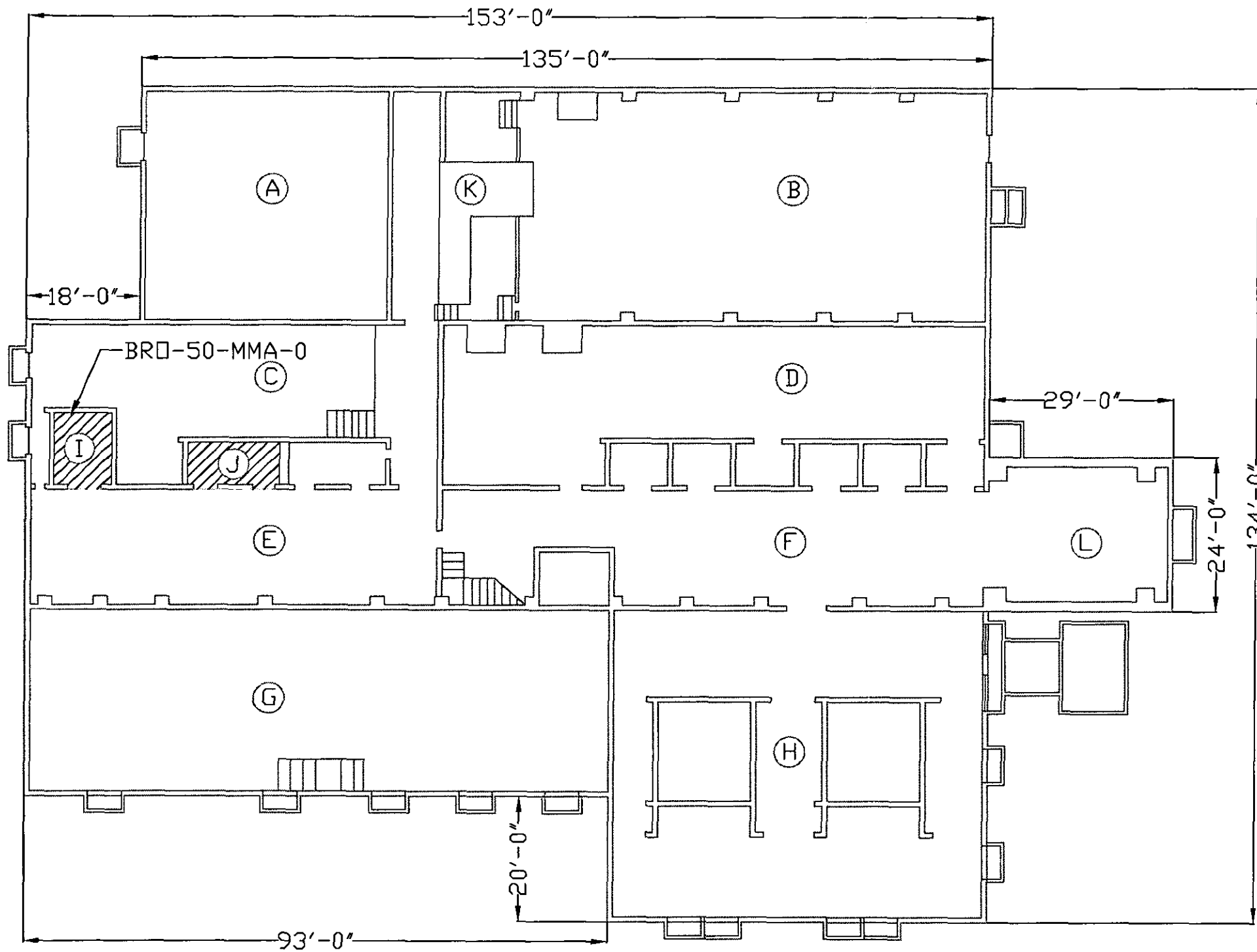
SAMPLE NUMBERS  
(Sampling Phase)


BRO-50-MMA-0

ACBM

Yes \_\_\_ No \_\_\_ Assumed X

NORTH



 HOMOGENEOUS AREA  
MMA-FURNACE GASKETS BASEMENT

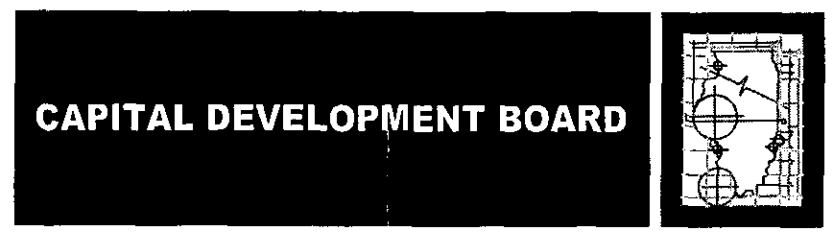
0' 10' 20' 40'

SCALE: 1" = 20' - 0"

BASEMENT FLOOR PLAN

REVISIONS		
NO.	DATE	REMARKS

**EDI** ENVIRONMENTAL DESIGN INTERNATIONAL inc.  
200 S. MICHIGAN AVENUE, SUITE 700  
CHICAGO, IL 60604 PHONE: (312)-356-5400



**BASEMENT FLOOR PLAN**  
**POWER PLANT**  
**ELGIN MENTAL HEALTH CENTER**  
**750 S. STATE STREET**  
**ELGIN, KANE COUNTY, IL**  
**CDB BUILDING # BRO-50**

PROJECT NO.  
910-010-127  
DATE  
05/17/02  
SHEET NO.  
**ASB-1**



BRO-50-MMA-0  
FURNACE GASKETS-  
BASEMENT  
(POWER PLANT)



FORM 13

A.1 BLDG NAME POWER PLANT CDB  
BLDG NO. BRO-50  
FURNACE GASKETS -  
HOMO AREA MMA DESCRIPTION BASEMENT

RESPONSE ACTION 8 - CONTINUE O & M UNTIL MAJOR  
RENOVATION OR DEMOLITION ACTIVITIES REQUIRES REMOVAL  
UNDER NESHAPS OR UNTIL THE HAZARD ASSESSMENT  
CONDITIONS CHANGE

A.2.a EXIST. COND. GOOD CONDITION

POT. FOR DAMAGE NONE

A.2.b FRIABLE YES CONDITION GOOD  
DISTURBANCE LOW AIR FLOW MODERATE

A.3.a(1) WHY MATERIAL IS FRIABLE AND ACCESSIBLE TO MAINTENANCE  
PERSONNEL DURING ROUTINE MAINTENANCE ACTIVITIES.

A.3.(2) PREVENTATIVE MEASURES DO NOT DISTURB IN A MANNER  
THAT MAY CREATE DUST SUCH AS DRILL, CUT, SAND, ABRABE,  
OR PENETRATE IN ANY MANNER.

A.3.b O & M PROCEDURES COMPLY WITH APPENDIX C, "STANDARD  
O & M PROGRAM FOR ASBESTOS CONTAINING MATERIAL."  
FOLLOW PREVENTATIVE MEASURES LISTED ABOVE.

A.3.c HEALTH & SAFETY COMPLY WITH APPENDIX C, "STANDARD  
O & M PROGRAM FOR ASBESTOS CONTAINING MATERIAL."  
PARTICULARLY PAGES C-4.1 THROUGH C-6.4 FOR INFORMATION  
CONCERNING WARNING LABELS, TRAINING, AND RESPIRATORY  
PROTECTION.

## COST ESTIMATE

**BUILDING NO.:** BRO-50

**HOMOGENEOUS AREA:** MMA

**MATERIAL:** FURNACE GASKETS-BASEMENT

**QUANTITY:** 150 S.F.

### A. COST ESTIMATE FOR REMOVAL

1. REMOVAL:	150 S.F. @ \$25.00/S.F.	\$ 3,750.00
2. REPLACEMENT:	150 S.F. @ \$25.00/S.F.	\$ 3,750.00

**SUBTOTAL** \$ 7,500.00

3. DESIGN FEE	10% OR MINIMUM \$500.00	\$ 750.00
4. NO. OF DAYS:	7	
5. APM/ASP	\$500.00/DAY X 7	\$ 3,500.00
6. AIR SAMPLES:	7 SAMPLES X 7 @ \$15.00/SMPL	\$ 735.00
7. TEM COSTS:	N/A	

**SUBTOTAL** \$ 4,985 .00

8. 5% INDEMNIFICATION \$ 624.25

**TOTAL COST** \$ 13,109.25

### B. COST OF RECOMMENDED RESPONSE ACTION

EXCLUDING O & M \$ 0.00

### C. O & M COST ESTIMATE

CLEAN, REPAIR, PERIODIC SURVEILLANCE, AND ANNUAL ADMINISTRATION \$ 100.00

### D. SPECIAL CONDITIONS

N/A

MMB

FORM 9

HOMOGENEOUS AREA INSPECTION REPORT

CDB Building #: BRO-50 Homogeneous Area: MMB

INSPECTION DATE: 6/11/02 CDB PROJECT NO. 910-010-127

CONTROLLING AGENCY: DEPARTMENT OF HUMAN SERVICES

FACILITY: ELGIN MENTAL HEALTH CENTER

BUILDING NAME: POWER PLANT

BUILDING ADDRESS: 750 SOUTH STATE STREET, KANE COUNTY, ELGIN, ILLINOIS

A/E FIRM: ENVIRONMENTAL DESIGN INTERNATIONAL, INC.

INSPECTOR: MICHAEL R. BROLL, MA IDPH License NO. 100-5788

LOCATION: BASEMENT AND UPPER FLOOR

ROOMS: VARIOUS-SEE FLOOR PLANS

MATERIAL DESCRIPTION: WINDOW CAULK (Common designation - i.e. air cell)

TYPE OF SYSTEM: STRUCTURAL (i.e. hot water)

COLOR-TEXTURE, ETC.: GRAY

FRIABLE: Yes No X Pipe Diameter Inches

TOTAL QUANTITY: Sq. ft. 8,000 Lin. ft. Ea.

QUANTITY IN: Occupied 8,000 Restricted Unoccupied

ROOM FINISHES:

CEILING CONCRETE
WALLS CINDER BLOCK
FLOOR CONCRETE

DAMAGE ASSESSMENT:

Table with 3 columns: No Damage, Damaged, Significant Damage. Rows for LOCALIZED OR DISTRIBUTED with percentages and X marks.

If <1% damage, is salient present? Yes No X

If yes, describe

WATER DAMAGE Yes No X Description
PHYSICAL DAMAGE Yes No X Description
AGE DETERIORATION Yes No X Description

FORM 9 - Page 2

CDB BUILDING #: BRO-50

Homogeneous Area: MMB

DISTURBANCE FACTORS

ACCESSIBLE TO OCCUPANTS  
MAINTENANCE PERSONNEL  
HEIGHT FROM FLOOR  
AREA ABOVE  
AREA ADJACENT  
OCCUPANCY (#)  
FREQUENCY OF USE (Hrs)  
UTILIZATION OF AREA

Yes X No \_\_\_  
Yes X No \_\_\_  
4 FT.-8FT.  
VARIOUS ROOMS - SEE FLOOR PLANS  
VARIOUS ROOMS - SEE FLOOR PLANS  
0 \_\_\_ 1-2 \_\_\_ 3-10 X 10+ \_\_\_  
0 \_\_\_ 1-2 \_\_\_ 3-10 \_\_\_ 10+ X  
MAINTENANCE/SUPPLIES HEATING AND COOLING TO THE FACILITY

SERVICEABLE COMPONENTS

(distance in ft. to)

ELECTRICAL  
MECHANICAL  
PIPING  
OTHER \_\_\_\_\_

<1 X 1-5 \_\_\_ >5 \_\_\_  
<1 \_\_\_ 1-5 X >5 \_\_\_  
<1 \_\_\_ 1-5 X >5 \_\_\_  
<1 \_\_\_ 1-5 \_\_\_ >5 \_\_\_

VIBRATION Yes \_\_\_ No X  
MECHANICAL (MOTOR) Yes \_\_\_ No X  
PLUMBING (KNOCKING) Yes \_\_\_ No X  
OTHER \_\_\_\_\_ Yes \_\_\_ No \_\_\_

BARRIER  
SUSPENDED CEILING  
ENCAPSULATION  
ENCLOSURE  
OTHER \_\_\_\_\_

Yes \_\_\_ No X  
Yes \_\_\_ No X  
Yes \_\_\_ No X  
Yes \_\_\_ No X  
Yes \_\_\_ No \_\_\_

AIR MOVEMENT  
IF YES

Yes X No \_\_\_  
Low \_\_\_ Mod X Heavy \_\_\_

DISTANCE TO FRIABLE MATERIAL

EXTERIOR DOOR  
EXHAUST FAN  
GRAVITY VENT  
SUPPLY AIR  
RETURN AIR  
OTHER \_\_\_\_\_

Yes X No \_\_\_  
Yes X No \_\_\_  
Yes \_\_\_ No X  
Yes X No \_\_\_  
Yes X No \_\_\_  
Yes \_\_\_ No \_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INSPECTOR'S ASSESSMENT

No Potential for Damage \_\_\_ X Potential for Damage \_\_\_  
Potential for Significant Damage \_\_\_

EXPLANATION OF

THERE IS NO POTENTIAL FOR DAMAGE. UNDER NORMAL CONDITIONS, THE MATERIAL IS NOT  
DISTURBED

ASSESSMENT (REQUIRED)

\_\_\_\_\_  
\_\_\_\_\_

DAMAGE PREVENTION  
MEASURES  
COMMENTS

CONTINUE O & M PROGRAM  
\_\_\_\_\_  
\_\_\_\_\_

INSPECTOR'S SIGNATURE

Will C. Bell DATE 7-1-2

SAMPLE NUMBERS

(Sampling Phase)

BRO-50-MMB-0

ACBM

Yes \_\_\_ No \_\_\_ Assumed X

NORTH



HOMOGENEOUS AREA MMB-WINDOW CAULK



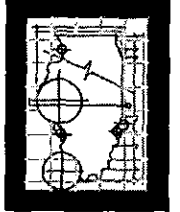
SCALE: 1" = 20' - 0"

BASEMENT FLOOR PLAN

REVISIONS		
NO.	DATE	REMARKS

**EDI** ENVIRONMENTAL DESIGN INTERNATIONAL inc.  
 200 S. MICHIGAN AVENUE, SUITE 700  
 CHICAGO, IL 60604 PHONE: (312)-356-5400

**CAPITAL DEVELOPMENT BOARD**



**BASEMENT FLOOR PLAN**

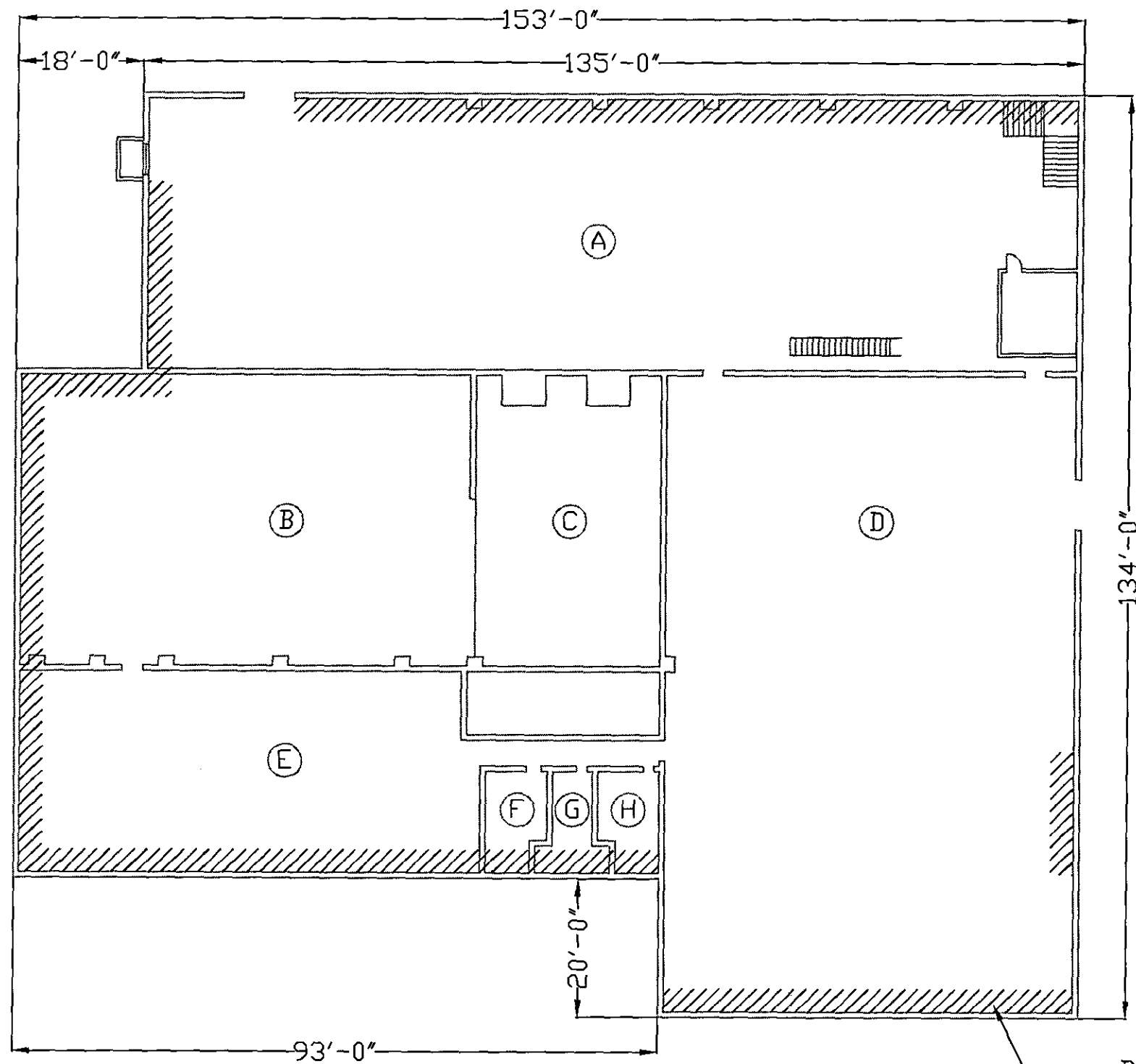
**POWER PLANT  
 ELGIN MENTAL HEALTH CENTER  
 750 S. STATE STREET  
 ELGIN, KANE COUNTY, IL**

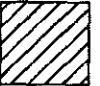

**CDB BUILDING # BRO-50**


PROJECT NO.  
910-010-127

DATE  
05/17/02

SHEET NO.  
**ASB-1**



 HOMOGENEOUS AREA  
 MMB-WINDOW CAULK

0' 10' 20' 40'  
  
 SCALE: 1" = 20' - 0"

UPPER FLOOR PLAN

BRO-50-MMB-0

REVISIONS		
NO.	DATE	REMARKS

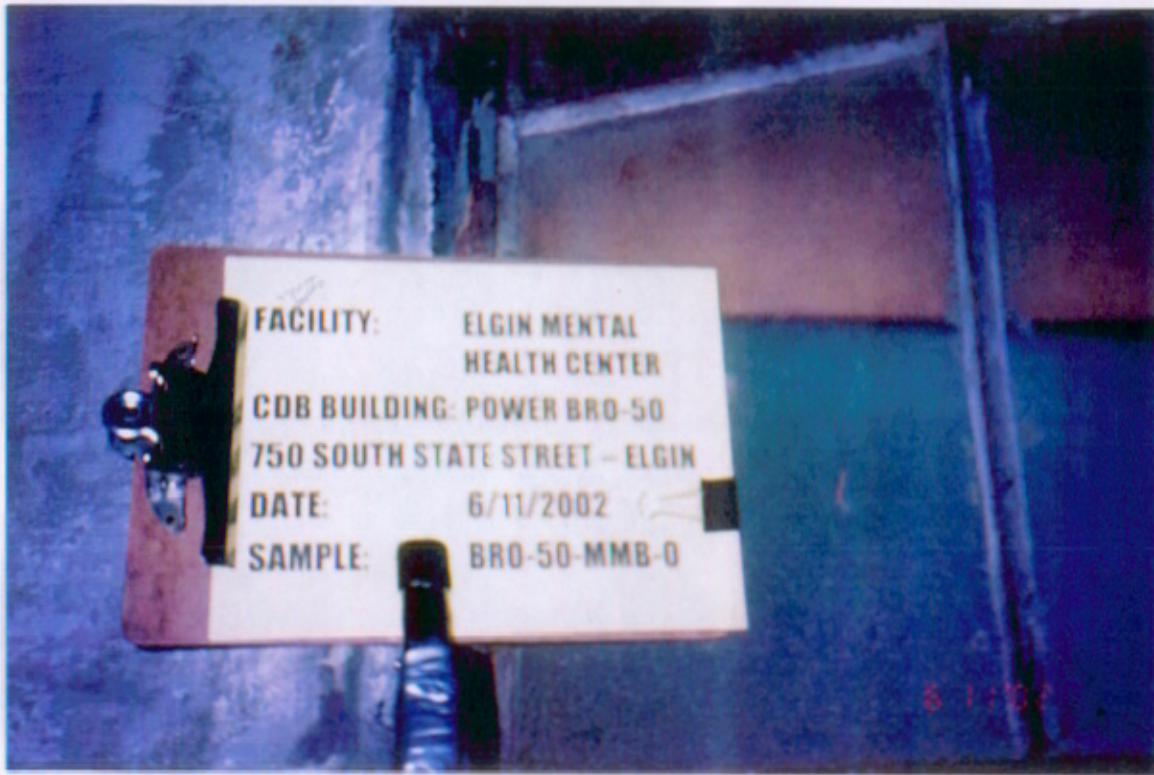
**EDI** ENVIRONMENTAL DESIGN INTERNATIONAL inc.  
 200 S. MICHIGAN AVENUE, SUITE 700  
 CHICAGO, IL 60604 PHONE: (312)-356-5400



**UPPER FLOOR PLAN**  
**POWER PLANT**  
**ELGIN MENTAL HEALTH CENTER**  
**750 S. STATE STREET**  
**ELGIN, KANE COUNTY, IL**  
**CDB BUILDING # BRO-50**

PROJECT NO.  
 910-010-127  
 DATE  
 05/17/02  
 SHEET NO.  
**ASB-2**





BRO-50-MMB-0  
WINDOW CAULK  
(POWER PLANT)

FORM 13

A.1 BLDG NAME POWER PLANT CDB  
BLDG NO. BRO-50

HOMO AREA MMB DESCRIPTION WINDOW CAULK

RESPONSE ACTION 8 - CONTINUE O & M UNTIL MAJOR RENOVATION  
OR DEMOLITION REQUIRES REMOVAL UNDER NESHAPS OR UNTIL  
THE HAZARD ASSESSMENT CONDITIONS CHANGE

A.2.a EXIST. COND. GOOD CONDITION

POT. FOR DAMAGE NONE

A.2.b FRIABLE NO CONDITION GOOD  
DISTURBANCE LOW AIR FLOW MODERATE

A.3.a(1) WHY MATERIAL IS NON-FRIABLE AND ACCESSIBLE TO  
MAINTENANCE PERSONNEL DURING ROUTINE MAINTENANCE  
ACTIVITIES.

A.3.(2) PREVENTATIVE MEASURES DO NOT DISTURB IN A MANNER  
THAT MAY CREATE DUST SUCH AS DRILL, CUT, SAND, ABRABE,  
OR PENETRATE IN ANY MANNER.

A.3.b O & M PROCEDURES COMPLY WITH APPENDIX C, "STANDARD  
O & M PROGRAM FOR ASBESTOS CONTAINING MATERIAL."  
FOLLOW PREVENTATIVE MEASURES LISTED ABOVE.

A.3.c HEALTH & SAFETY COMPLY WITH APPENDIX C, "STANDARD  
O & M PROGRAM FOR ASBESTOS CONTAINING MATERIAL."  
PARTICULARLY PAGES C-4.1 THROUGH C-6.4 FOR INFORMATION  
CONCERNING WARNING LABELS, TRAINING, AND RESPIRATORY  
PROTECTION.



MTA

ALBANY

FORM 9

HOMOGENEOUS AREA INSPECTION REPORT

CDB Building #: BRO-50 Homogeneous Area: MTA

INSPECTION DATE: 6/11/02 CDB PROJECT NO. 910-010-127

CONTROLLING AGENCY: DEPARTMENT OF HUMAN SERVICES

FACILITY: ELGIN MENTAL HEALTH CENTER

BUILDING NAME: POWER PLANT

BUILDING ADDRESS: 750 SOUTH STATE STREET, KANE COUNTY, ELGIN, ILLINOIS

A/E FIRM: ENVIRONMENTAL DESIGN INTERNATIONAL, INC.

INSPECTOR: MICHAEL R. BROLL, MA IDPH License NO. 100-5788

LOCATION: UPPER FLOOR PLAN

ROOMS: SEE UPPER FLOOR PLAN

MATERIAL DESCRIPTION: EXTERIOR COOLING TOWER TRANSITE PANELS

(Common designation - i.e. air cell)

TYPE OF SYSTEM: HVAC

(i.e. hot water)

COLOR-TEXTURE, ETC.: GRAY

FRIABLE: Yes No X Pipe Diameter Inches

TOTAL QUANTITY: 5,000 Sq. ft. Lin. ft. Ea.

QUANTITY IN: Occupied Restricted Unoccupied 5,000

ROOM FINISHES:

CEILING N/A

WALLS N/A

FLOOR N/A

DAMAGE ASSESSMENT:

	No Damage	Damaged	Significant Damage
LOCALIZED OR	<1% X	1-25%	>25%
DISTRIBUTED	<1%	1-10%	>10%

If <1% damage, is salient present? Yes No X

If yes, describe

WATER DAMAGE Yes No X Description

PHYSICAL DAMAGE Yes No X Description

AGE DETERIORATION Yes No X Description

FORM 9 - Page 2

CDB BUILDING #: BRO-50

Homogeneous Area: MTA

DISTURBANCE FACTORS

ACCESSIBLE TO OCCUPANTS  
MAINTENANCE PERSONNEL  
HEIGHT FROM FLOOR  
AREA ABOVE  
AREA ADJACENT  
OCCUPANCY (#)  
FREQUENCY OF USE (Hrs)  
UTILIZATION OF AREA

Yes X No       
Yes X No       
0-20 ft. \_\_\_\_\_  
EXTERIOR  
EXTERIOR COURTYARD  
0 X 1-2      3-10      10+       
0 X 1-2      3-10      10+       
GROUNDS

SERVICEABLE COMPONENTS

(distance in ft. to)

ELECTRICAL  
MECHANICAL  
PIPING  
OTHER \_\_\_\_\_

<1      1-5      >5 X  
<1      1-5      >5 X  
<1      1-5      >5 X  
<1      1-5      >5     

VIBRATION Yes      No X  
MECHANICAL (MOTOR) Yes X No       
PLUMBING (KNOCKING) Yes X No       
OTHER \_\_\_\_\_ Yes      No     

BARRIER  
SUSPENDED CEILING  
ENCAPSULATION  
ENCLOSURE  
OTHER \_\_\_\_\_

Yes      No X  
Yes      No X  
Yes      No X  
Yes      No X  
Yes      No     

AIR MOVEMENT  
IF YES

Yes X No       
Low      Mod X Heavy     

DISTANCE TO FRIABLE MATERIAL

EXTERIOR DOOR  
EXHAUST FAN  
GRAVITY VENT  
SUPPLY AIR  
RETURN AIR  
OTHER \_\_\_\_\_

Yes      No X  
Yes      No X  
Yes      No X  
Yes      No X  
Yes      No X  
Yes      No     

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INSPECTOR'S ASSESSMENT

No Potential for Damage      X Potential for Damage       
Potential for Significant Damage     

EXPLANATION OF  
ASSESSMENT (REQUIRED)

THERE IS NO POTENTIAL FOR DAMAGE. UNDER NORMAL CONDITIONS THE MATERIAL IS  
NOT DISTURBED.

DAMAGE PREVENTION  
MEASURES  
COMMENTS

CONTINUE O & M PROGRAM

INSPECTOR'S SIGNATURE

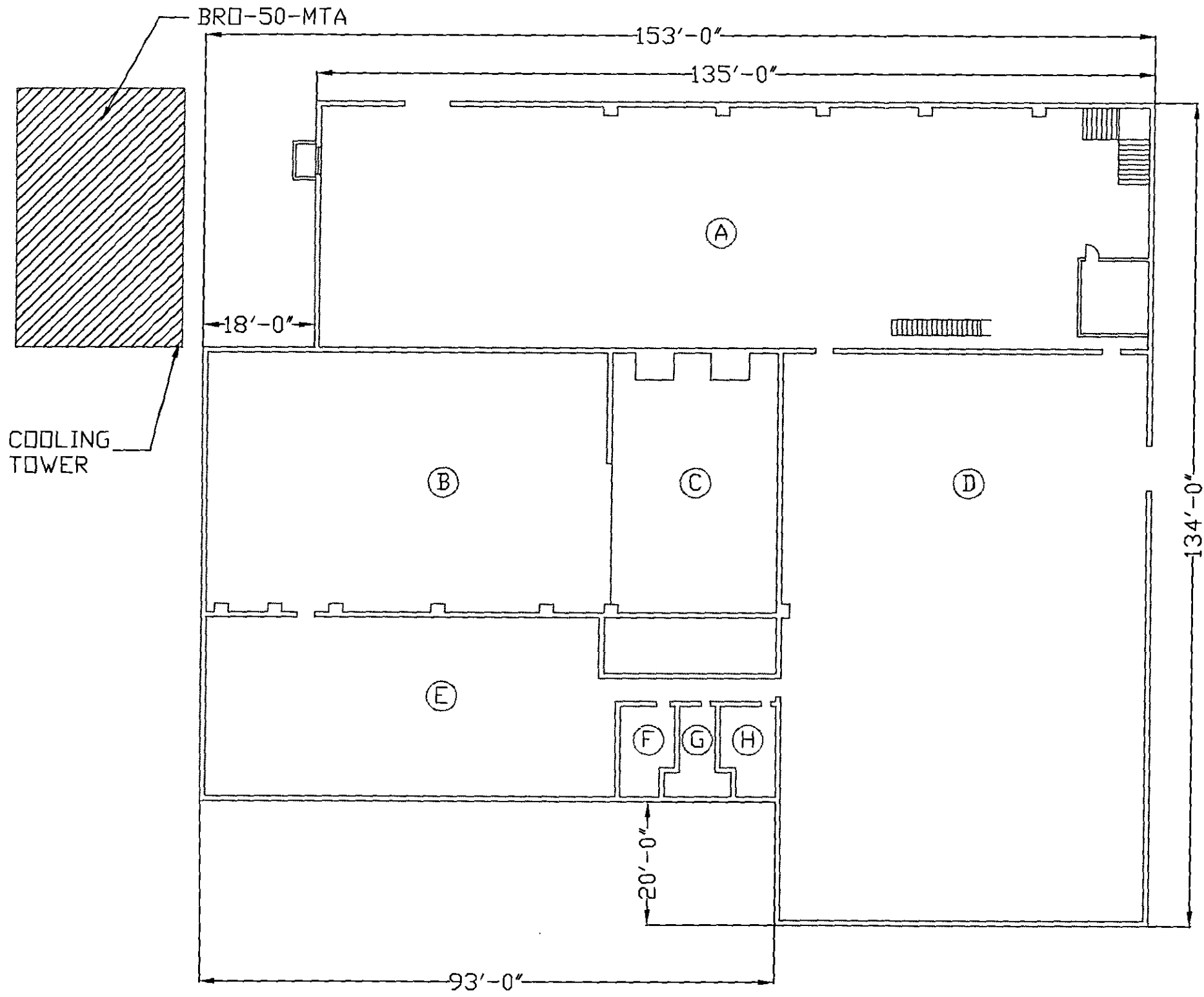
Mill L. All DATE 7-1-7

SAMPLE NUMBERS  
(Sampling Phase)

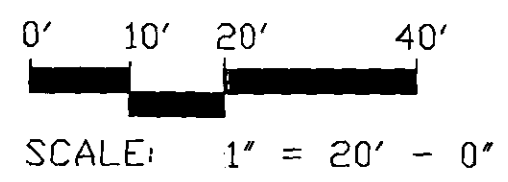
BRO-50-MTA-0

ACBM

Yes      No      Assumed X



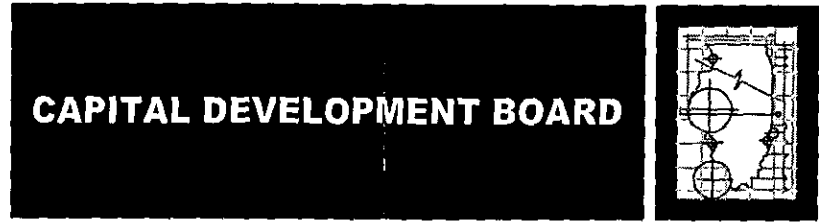
 HOMOGENEOUS AREA  
MTA- EXTERIOR COOLING TOWER  
TRANSITE PANELS.



UPPER FLOOR PLAN

REVISIONS		
NO.	DATE	REMARKS

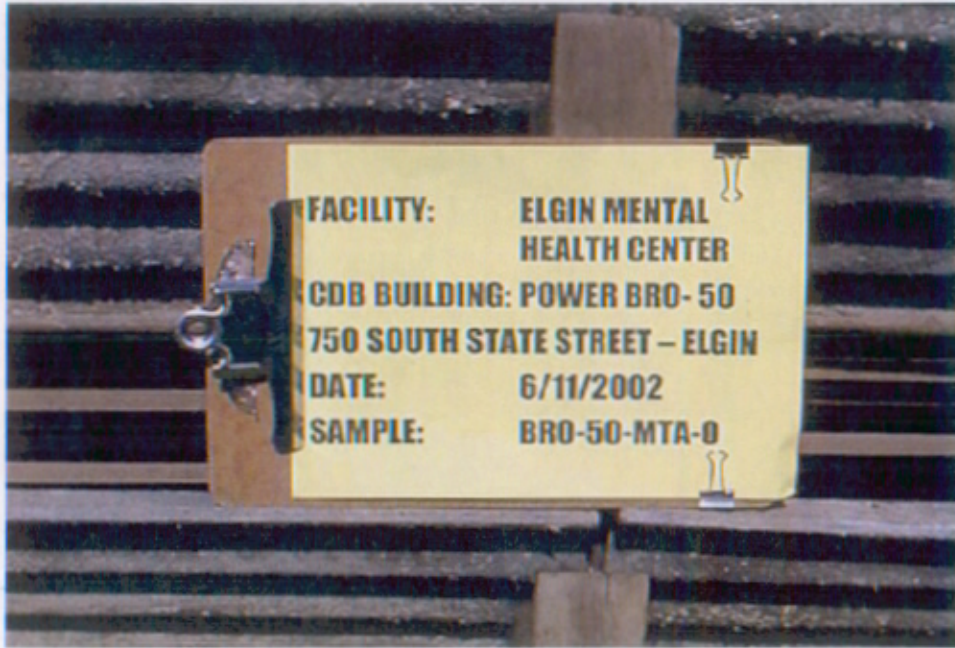
**EDI** ENVIRONMENTAL DESIGN INTERNATIONAL inc.  
200 S. MICHIGAN AVENUE, SUITE 700  
CHICAGO, IL 60604 PHONE: (312)-356-5400



**UPPER FLOOR PLAN**  
**POWER PLANT**  
**ELGIN MENTAL HEALTH CENTER**  
**750 S. STATE STREET**  
**ELGIN, KANE COUNTY, IL**  
**CDB BUILDING # BRO-50**

PROJECT NO.  
910-010-127  
DATE  
05/17/02  
SHEET NO.  
**ASB-1**





BRO-50-MTA-0  
EXTERIOR COOLING  
TOWER TRANSITE  
PANELS  
(POWER PLANT)

VII.MTA.4





**COST  
SUMMARY**

**FORM 14  
COST SUMMARY**

BUILDING NAME: POWER PLANT \_\_\_\_\_ CDB BUILDING NO.: BRO-50 \_\_\_\_\_

HOMO AREA	MATERIAL DESCRIPTION	RESPONSE ACTION		COST OF RESPONSE EXCL. O & M	COST OF ANNUAL O & M	COST OF REMOVAL
		NO.	DESCRIPTION			
MMA	FURNACE GASKETS-BASEMENT	8	CONTINUE O & M	\$0.00	\$100.00	\$13,109.25
MMB	WINDOW CAULK	8	CONTINUE O & M	\$0.00	\$100.00	\$88,530.75
MTA	EXTERIOR COOLING TOWER TRANSITE PANELS	8	CONTINUE O & M	\$0.00	\$100.00	\$30,318.75
<b>BUILDING SUBTOTALS</b>					<b>\$300.00</b>	<b>131,958.75</b>

LICENSSES &  
ACCREDITATIONS



State of Illinois

A 128822

Department of Public Health

LICENSE, PERMIT, CERTIFICATION, REGISTRATION

The person, firm or corporation whose name appears on this certificate has complied with the provisions of the Illinois Statutes and/or rules and regulations and is hereby authorized to engage in the activity as indicated below.

JOHN R. LUMPKIN, M.D., DIRECTOR

Issued under the authority of The State of Illinois Department of Public Health

EXPIRATION DATE	CATEGORY	I.D. NUMBER
05/15/2003	5319	100-9750
ROBERT GIURATO		
PROJECT DESIGNER		

BUSINESS ADDRESS  
 ASBESTOS PROFESSIONAL LICENSE  
 ALTERING THIS CERTIFICATE MAY RESULT IN LEGAL ACTION  
 ROBERT GIURATO  
 1645 WOODLAND AVE  
 DES PLAINES IL 60076  
 THIS LICENSE IS NOT VALID IF YOUR IDPH  
 COURSE CERTIFICATE IS NOT CURRENT  
 Printed by Authority of the State of Illinois 2/91

State of Illinois A 128822  
Department of Public Health

LICENSE, PERMIT, CERTIFICATION, REGISTRATION  
ASBESTOS PROFESSIONAL LICENSE

EXPIRATION DATE	CATEGORY	I.D. NUMBER
05/15/2003	5319	100-9750

ROBERT GIURATO  
PROJECT DESIGNER

THE PERSON, FIRM OR CORPORATION WHOSE NAME APPEARS ON THIS CERTIFICATE HAS COMPLIED WITH THE PROVISIONS OF THE ILLINOIS STATUTES AND/OR RULES AND REGULATIONS AND IS HEREBY AUTHORIZED TO ENGAGE IN THE ACTIVITY INDICATED ON THE FACE OF THIS CARD.



ISSUED UNDER THE AUTHORITY OF  
STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC HEALTH

Robert Giurato

SIGNATURE OF LICENSEE



# HINDS ENVIRONMENTAL, INC.

*Robert D. Guindé*  
346-UR-1334

Certifies that

has completed the requisite training for asbestos accreditation under  
TSCA Title II entitled

## PROJECT DESIGN INITIAL TRAINING COURSE

in accordance with 40 CFR Part 763 (ALTERA)  
and successfully passed the exam with a score of 70% or above.

Course Date(s) 09/27/2001

Exam Date 09/27/2001

Expiration Date 09/27/2002

*William S. Williams*

Course Instructor William S. Williams

*Robert L. Hinds*

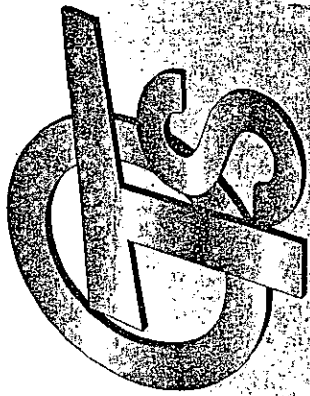
Certificate No. PD/005

President Robert L. Hinds

Accredited by the Illinois Department of Public Health

2975 Stanton Street • Springfield, Illinois 62703-4345 • (217) 585-8970





# Occupational Training & Supply, Inc.

12601 S. Springfield • Alsip, IL 60803 • 708 / 385-1325

**Robert S. Giurato**

346-42-1334

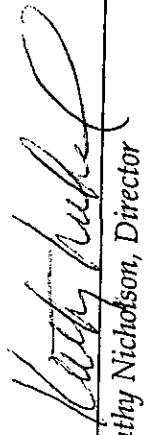
*has successfully completed the 8 hour Asbestos Project Designer Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health and the Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA title II.*

**Asbestos Project Designer Refresher**

Course Date: May 08, 2002

Expiration Date: May 08, 2003

**2002**

  
Kathy Nicholson, Director

Exam Date: May 08, 2002

Certificate: PDR0205081296



State of Illinois

A 130747

Department of Public Health

LICENSE, PERMIT, CERTIFICATION, REGISTRATION

The person, firm or corporation whose name appears on this certificate has complied with the provisions of the Illinois Statutes and/or rules and regulations and is hereby authorized to engage in the activity as indicated below.

JOHN R. LUMPKIN, M.D.
DIRECTOR

Issued under the authority of
The State of Illinois
Department of Public Health

Table with 3 columns: EXPIRATION DATE (05/15/2003), CATEGORY (5319), I.D. NUMBER (100-05957). Below the table, text reads: SANFORD MOSES, MANAGEMENT PLANNER, PROJECT MANAGER, INSPECTOR AIR SAMPLING PROFESSIONAL.

BUSINESS ADDRESS
ASBESTOS PROFESSIONAL LICENSE
ALTERING THIS CERTIFICATE MAY RESULT IN LEGAL ACTION
SANFORD MOSES
2303 N WINDSOR DRIVE
ARLINGTON HEIGHTS IL 60004
THIS LICENSE IS NOT VALID IF YOUR IDPH
COURSE CERTIFICATE IS NOT CURRENT

Printed by Authority of the State of Illinois 2/91

State of Illinois A 130747

Department of Public Health

LICENSE, PERMIT, CERTIFICATION, REGISTRATION
ASBESTOS PROFESSIONAL LICENSE

Table with 3 columns: EXPIRATION DATE (05/15/2003), CATEGORY (5319), I.D. NUMBER (100-05957).

SANFORD MOSES
MANAGEMENT PLANNER
PROJECT MANAGER
INSPECTOR AIR SAMPLING PROFESSIONAL

THE PERSON, FIRM OR CORPORATION WHOSE NAME APPEARS ON THIS CERTIFICATE HAS COMPLIED WITH THE PROVISIONS OF THE ILLINOIS STATUTES AND/OR RULES AND REGULATIONS AND IS HEREBY AUTHORIZED TO ENGAGE IN THE ACTIVITY INDICATED ON THE FACE OF THIS CARD.



ISSUED UNDER THE AUTHORITY OF
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC HEALTH

Handwritten signature of Sanford Moses

SIGNATURE OF LICENSEE

# AMERISAFE TRAINING SERVICES

## ASBESTOS MANAGEMENT PLANNER INITIAL COURSE CERTIFICATE

IDPH & IDEM APPROVED

This is to certify:

**SANFORD MOSES**  
**346-38-4335**

Has successfully completed the EPA/Approved Asbestos Management Planner Initial Training Course and passed the Examination for purposes of accreditation under section 206 of Title II of the Toxic Substances Control Act (TSCA). Conducted by Amerisafe Training Services, 2050 N. 15<sup>th</sup> Avenue, Melrose Park, IL. 60160. 1-708-681-1250.

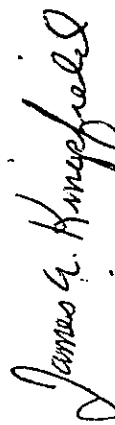
LOCATION NAPERVILLE, IL.

EXAMINATION OCTOBER 16, 1998

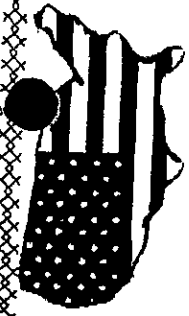
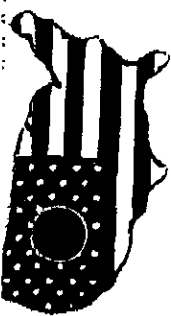
COURSE DATES OCTOBER 15 & 16, 1998

EXPIRATION OCTOBER 16, 1999

DIRECTOR OF TRAINING



Certificate Number: **ATS 800100**



**ASBESTOS MANAGEMENT PLANNER REFRESHER  
COURSE CERTIFICATE**  
IDPH APPROVED

**THIS CERTIFIES THAT**

**SANFORD MOSES**  
**346-38-4335**

Has successfully completed the IL Approved Asbestos Management Planner Refresher Training Course and passed the Examination for purposes of accreditation under section 206 of Title II of the Toxic Substances Control Act (TSCA). Conducted by Amerisafe Training Services, 2050 N. 15<sup>th</sup> Avenue, Melrose Park, IL. 60160. 1-708-681-1250.

COURSE DATE: OCTOBER 15, 2001

EXPIRATION: OCTOBER 15, 2002

CERTIFICATE NUMBER: ATS901248

*W. J. Zell*

DIRECTOR OF TRAINING





State of Illinois

A 133263

Department of Public Health

LICENSE, PERMIT, CERTIFICATION, REGISTRATION

The person, firm or corporation whose name appears on this certificate has complied with the provisions of the Illinois Statutes and/or rules and regulations and is hereby authorized to engage in the activity as indicated below.

JOHN R. LUMPKIN, M.D.  
DIRECTOR

Issued under the authority of  
The State of Illinois  
Department of Public Health

EXPIRATION DATE 05/15/2003	CATEGORY 5319	I.D. NUMBER 100-05788
MICHAEL	BROLL	
INSPECTOR	PROJECT MANAGER AIR SAMPLING PROFESSIONAL	

BUSINESS ADDRESS

ASBESTOS PROFESSIONAL LICENSE

ALTERING THIS CERTIFICATE MAY RESULT IN LEGAL ACTION

MICHAEL BROLL

608 ST JOHN'S ROAD

WOODSTOCK IL 60098

THIS LICENSE IS NOT VALID IF YOUR IDPH  
COURSE CERTIFICATE IS NOT CURRENT

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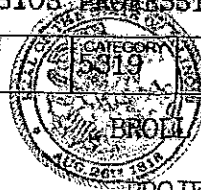
State of Illinois A 133263

Department of Public Health

LICENSE, PERMIT, CERTIFICATION, REGISTRATION  
ASBESTOS PROFESSIONAL LICENSE

EXPIRATION DATE 05/15/2003	CATEGORY 5319	I.D. NUMBER 100-05788
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MICHAEL



PROJECT MANAGER

INSPECTOR AIR SAMPLING PROFESSIONAL

THE PERSON, FIRM OR CORPORATION WHOSE NAME APPEARS ON THIS CERTIFICATE HAS COMPLIED WITH THE PROVISIONS OF THE ILLINOIS STATUTES AND/OR RULES AND REGULATIONS AND IS HEREBY AUTHORIZED TO ENGAGE IN THE ACTIVITY INDICATED ON THE FACE OF THIS CARD.



ISSUED UNDER THE AUTHORITY OF  
STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC HEALTH

*Michael Broll*

SIGNATURE OF LICENSEE

# Occupational Training Services, Inc.

12601 S. Springfield, Alsip, IL 60658 (708) 685-1325

*This certifies that*

**Michael R. Broth**

347-36-7149

*Has successfully completed the 24-hour course titled*

## **Asbestos Building Inspector**

*and has passed the competency exam with a minimum score of 70%.*

*Course Date: March 1-3, 1995*

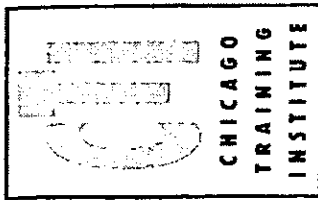
*Expiration Date: March 03, 1996*

*Exam Date: March 03, 1995*

*Certificate # AB195030301*

*Kathy Weckler*  
Director

*This course is accredited by the Illinois Department of Public Health and Indiana Department of Environmental Management for purposes of accreditation in accordance with 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.*



# Chicago Training Institute

*Michael R. Broll*

347-56-7149

Has successfully completed the 4 hour course and has passed the exam with a score of at least 70%. This 4 hour course is accredited by the Illinois Department of Public Health for purposes of accreditation in accordance with 32 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.

Training provided by Chicago Training Institute, Chicago, IL (312) 356-5400.

## ***Asbestos Building Inspector Refresher***

**Course Date**  
October 5, 2001

**Exam Date**  
October 5, 2001

**Expiration Date**  
October 5, 2002

**Unique Certificate #**  
CTI-2102-IR

Victor Crivello  
Trainer

Chicago Training Institute  
200 South Michigan Avenue, Suite 700  
Chicago, IL 60604  
(312) 356-5400





