



Rocky Flats Environmental Technology Site

TYPE 1 RECONNAISSANCE LEVEL CHARACTERIZATION REPORT (RLCR)

**AREA 5 - GROUP 11 CLOSURE PROJECTS
(Buildings 750, T750A, T750B, T750C, T750D,
T750F, T750G, 764 and 765)**

REVISION 0

May 29, 2003

CLASSIFICATION REVIEW NOT REQUIRED PER
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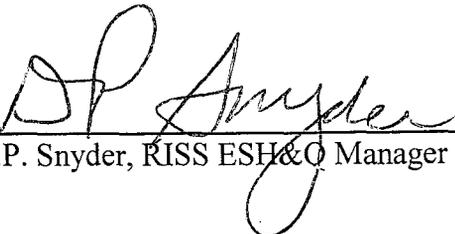
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May 29, 2003

Reviewed by:  Date: 5-30-03
Don Risoli, Quality Assurance

Reviewed by:  Date: 5/30/03
D.P. Snyder, RISS ESH&O Manager

Approved by:  Date: 5/30/03
Karen Wiemelt, K-H D&D Project Manager

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- A Facility Location Map
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- C Radiological Data Summaries and Survey Maps
- D Chemical Data Summaries and Sample Maps
- E Data Quality Assessment (DQA) Detail

ABBREVIATIONS/ACRONYMS

ACM	Asbestos containing material
Be	Beryllium
CDPHE	Colorado Department of Public Health and the Environment
CERCLA	Comprehensive Emergency Response, Compensation and Liability Act
DCGL _{EMC}	Derived Concentration Guideline Level – elevated measurement comparison
DCGL _W	Derived Concentration Guideline Level – Wilcoxon Rank Sum Test
D&D	Decontamination and Decommissioning
DDCP	Decontamination and Decommissioning Characterization Protocol
DOE	U.S. Department of Energy
DPP	Decommissioning Program Plan
DQA	Data quality assessment
DQOs	Data quality objectives
EPA	U.S. Environmental Protection Agency
FDFM	Facility Disposition Program Manual
HVAC	Heating, ventilation, air conditioning
HSAR	Historical Site Assessment Report
IHSS	Individual Hazardous Substance Site
IWCP	Integrated Work Control Package
K-H	Kaiser-Hill
LBP	Lead-based paint
LLW	Low-level waste
MARSSIM	Multi-Agency Radiation Survey and Site Investigation Manual
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
NORM	Naturally occurring radioactive material
NRA	Non-Rad-Added Verification
OSHA	Occupational Safety and Health Administration
PARCC	Precision, accuracy, representativeness, comparability and completeness
PCBs	Polychlorinated Biphenyls
PDS	Pre-demolition survey
QC	Quality Control
RCRA	Resource Conservation and Recovery Act
RFCA	Rocky Flats Cleanup Agreement
RFETS	Rocky Flats Environmental Technology Site
RFFO	Rocky Flats Field Office
RLC	Reconnaissance Level Characterization
RLCR	Reconnaissance Level Characterization Report
RSP	Radiological Safety Practices
SVOCs	Semi-volatile organic compounds
TCLP	Toxicity Characteristic Leaching Procedure
TSA	Total surface activity
VOCs	Volatile organic compounds

EXECUTIVE SUMMARY

A Reconnaissance Level Characterization (RLC) was performed to enable facility "Typing" per the DPP (10/8/98) and compliant disposition and waste management of the Area 5 - Group 11 Facilities (i.e., Buildings 750, T750A, T750B, T750C, T750D, T750F, T750G, 764 and 765). Because these facilities were anticipated Type 1 facilities, the characterization was performed in accordance with the Pre-Demolition Survey Plan (MAN-127-PDSP) requirements. All facility surfaces were characterized in this RLC, including the interior and exterior surfaces (i.e., floors, walls, ceilings and roof). Environmental media beneath and surrounding the facilities were not within the scope of this RLCR and will be addressed at a future date using the Soil Disturbance Permit process and in compliance with RFCA.

The RLC encompassed both radiological and chemical characterization to enable compliant disposition and waste management pursuant to the D&D Characterization Protocol (MAN-077-DDCP). The characterization built upon physical, chemical and radiological hazards identified in the facility-specific Historical Site Assessment Report.

Results indicate that no radiological contamination exists in excess of the PDSP unrestricted release limits of DOE Order 5400.5. All beryllium sample results were less than $0.1 \mu\text{g}/100\text{cm}^2$. Friable and non-friable asbestos were identified positively from bulk samples of building materials suspected of containing asbestos in Building 750. Current RLC results, as well as, historical laboratory results, show that the following materials are positive for asbestos in Building 750: thermal systems insulation, drywall joint compound, acoustical drop ceiling tiles, 12" and 9" vinyl floor tiles and associated mastic adhesives, gray sprayed-on fireproofing, black tar roofing and silver paint. All demolition debris will be managed in compliance with regulations governing PCBs (40 CFR 761), and Environmental Compliance Guidance #27, *Lead-Based Paint (LBP) and Lead-Based Paint Debris Disposal*, as applicable. All concrete can be used as backfill on site in accordance with the RFCA RSOP for Recycling Concrete.

Based upon the data presented in this RLCR, the Area 5 - Group 11 Facilities are considered Type 1 facilities. To ensure the facilities remain free of contamination and RLC data remain valid, Level 2 Isolation Controls have been established and the facilities posted accordingly.

1 INTRODUCTION

A Reconnaissance Level Characterization (RLC) was performed to enable compliant disposition and waste management of the Area 5 - Group 11 Facilities (i.e., Buildings 750, T750A, T750B, T750C, T750D, T750F, T750G, 764 and 765). Because these facilities were anticipated Type 1 facilities, a PDS characterization was performed. All facility surfaces were characterized in this RLC, including the interior and exterior surfaces of the facility (i.e., floors, walls, ceilings and roof). Environmental media beneath and surrounding the facilities were not within the scope of this RLCR and will be addressed at a future date using the Soil Disturbance Permit process and in compliance with RFCA.

As part of the Rocky Flats Environmental Technology Site (RFETS) Closure Project, numerous facilities will be removed, among these are the Area 5 - Group 11 Facilities. The location of these facilities is shown in Attachment A, *Facility Location Map*. These facilities will soon no longer support the RFETS mission and will be removed to reduce Site infrastructure, risks and/or operating costs.

Before these facilities can be removed or demolished, a Reconnaissance Level Characterization (RLC) must be conducted; this document presents the RLC results. The RLC was conducted pursuant to the Decontamination and Decommissioning Characterization Protocol (MAN-077-DDCP) and the Pre-Demolition Survey Plan for D&D Facilities (MAN-127-PDSP). The RLC built upon physical, chemical and radiological hazards identified in the facility-specific Historical Site Assessment Report.

1.1 Purpose

The purpose of this report is to communicate and document the results of the RLC effort. An RLC is performed before Type 1 building demolition to define the pre-demolition radiological and chemical conditions of a facility. Pre-demolition conditions are compared with the unrestricted release limits for radiological and non-radiological contaminants. RLC results will enable project personnel to make final disposition decisions, develop related worker health and safety controls, and estimate waste volumes by waste types.

1.2 Scope

This report presents the pre-demolition radiological and chemical conditions of the Area 5 - Group 11 Facilities. Environmental media beneath and surrounding the facility is not within the scope of this RLCR and will be addressed using the Soil Disturbance Permit process and in compliance with RFCA.

1.3 Data Quality Objectives

The Data Quality Objectives (DQOs) used in designing this RLC were the same DQOs identified in the Pre-Demolition survey Plan for D&D Facilities (MAN-127-PDSP.) Refer to section 2.0 of MAN-127-PDSP for these DQOs.

2 HISTORICAL SITE ASSESSMENT

A facility-specific Historical Site Assessment (HSA) was conducted to understand the facility histories and related hazards. The assessment consisted of facility walk-downs, interviews, and document review, including review of the Historical Release Report (refer to the D&D Characterization Protocol, MAN-077-DDCP). These assessments were used to identify data gaps and needs, and to develop radiological and chemical characterization plans. The facility-specific HSAs are documented in the *Historical Site Assessment Report (HSAR) for the Area 5 - Group 11 facilities*, dated November 2002, Revision 0. Refer to Attachment B, *Historical Site Assessment Report*, for a copy of the facility-specific HSAR. In summary, the HSAR identified minimal potential for radiological and chemical hazards in the Area 5 - Group 11 Facilities.

3 RADIOLOGICAL CHARACTERIZATION AND HAZARDS

The Area 5 - Group 11 Facilities were characterized for radiological hazards per the PDSP. Radiological characterization was performed to define the nature and extent of radioactive materials that may be present on the facility surfaces. Measurements were performed to evaluate the contaminants of concern. Based upon a review of historical and process knowledge, building walk-downs, and MARSSIM guidance, a Radiological Characterization Plan was developed during the planning phase that describes the minimum survey requirements (refer to the RISS Characterization Project files).

Nine radiological survey packages were developed for the interior and exterior surfaces of the Area 5 - Group 11 facilities: 750-A-001, T750A-002, T750B-A-003, T750C-A-004, T750D-A-005, T750F-A-006, T750G-A-007, 764-A-008 and 765-A-009. The survey packages were developed in accordance with Radiological Safety Practices (RSP) 16.01, *Radiological Survey/Sampling Package Design, Preparation, Control, Implementation and Closure*. Total surface activity (TSA), removable surface activity (RSA), and scan measurements were collected in accordance with RSP 16.02 *Radiological Surveys of Surfaces and Structures*. Radiological survey data were verified, validated and evaluated in accordance with RSP 16.04, *Radiological Survey/Sample Data Analysis*. Quality control measures were implemented relative to the survey process in accordance with RSP 16.05, *Radiological Survey/Sample Quality Control*.

Three hundred and fifty-five (355) TSA measurements (189 random, 113 biased, 30 equipment and 23 QC) and three hundred and thirty-two (332) RSA measurements (189 random, 113 biased, 30 equipment) were performed; and a minimum of 5% of the facility surfaces were scanned on the interior and exterior of each facility. The RLC data confirmed that these facilities do not contain radiological contamination above the surface contamination guidelines provided in the PDSP. Radiological survey data, statistical analysis results, and survey locations are presented in Attachment C, *Radiological Data Summary and Survey Maps*. The radiological survey unit packages are maintained in the RISS Characterization Project files. Level 2 Isolation Control postings are displayed on the buildings to ensure no radioactive materials are inadvertently introduced.

4 CHEMICAL CHARACTERIZATION AND HAZARDS

The Area 5 - Group 11 Facilities were characterized for chemical hazards per the PDSP. Chemical characterization was performed to determine the nature and extent of chemical contamination that may be present on, or in the facilities. Based upon a review of historical and process knowledge, visual inspections, and PDSP DQOs, additional sampling needs were determined. A Chemical Characterization Plan (refer to RISS Characterization Project files) was developed during the planning phase that describes sampling requirements, the justification for the sample locations and estimated sample numbers. Contaminants of concern included asbestos, beryllium, RCRA/CERCLA constituents, lead and PCBs. Refer to Attachment D, *Chemical Data Summaries and Sample Maps*, for details on sample results and sample locations. It is also noted that the Building 750 Cafeteria contains a grease trap that, while not regulated as hazardous, does require that the grease be handled and packaged separate from general building debris.

4.1 Asbestos

A survey of building materials suspected of containing asbestos was conducted in the Area 5 - Group 11 Facilities in accordance with the RLCP. A CDPHE-certified asbestos inspector conducted the inspection and sampling in accordance with the *Asbestos Characterization Protocol, PRO-563-ACPR, Revision 1*. Building materials suspected of containing asbestos were identified for sampling at the discretion of the inspector.

A comprehensive, invasive asbestos inspection was conducted to determine the presence of friable and non-friable asbestos containing building materials. All bulk samples of building materials suspected of containing asbestos in Buildings T750A, T750C, T750F, T750G, 764, and 765 were negative ("None Detected"). No building materials suspected of containing asbestos were observed in Buildings T750B and T750D, hence, no asbestos sampling was performed in these facilities as part of this RLC. Based on historical data and bulk sampling performed as part of this RLC, the following friable and non-friable building materials were identified in Building 750.

Building	Material	Friable or Non-Friable	Estimated Quantities
750	Thermal Systems Insulation	Friable	2,375 lineal feet or 594 cubic feet
750	Drywall Joint Compound	OSHA Class II	6,875 square feet or 1,146 cubic feet
750	Acoustical Drop Ceiling Tiles	Friable	22,225 square feet or 5,556 cubic feet
750	Vinyl Floor Tiles and Adhesive	Category 1 Non-friable	17,635 square feet or 2,939 cubic feet
750	Spray-on Fireproofing	Friable	6,200 square feet or 1,033 cubic feet
750	Black Tar Roofing and Silver Paint	Category 1 Non-Friable	57,170 square feet or 28,585 cubic feet

Asbestos laboratory analysis data and sample location maps are contained in Attachment D, *Chemical Data Summaries and Sample Maps*.

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4.2 Beryllium (Be)

Based on the HSAR and personnel interviews, the Area 5 - Group 11 Facilities were anticipated Type 1 facilities. There was not, however, adequate historical and process knowledge to conclude that beryllium was not used or stored in these buildings. Therefore, biased beryllium sampling was performed in accordance with the PDSP and the *Beryllium Characterization Procedure, PRO-536-BCPR, Revision 0, September 9, 1999*. Biased sample locations corresponded with the most probable areas of dust accumulation (including beryllium dust), assuming airborne deposition.

All beryllium smear sample results were less than 0.1 $\mu\text{g}/100\text{cm}^2$ and meet the unrestricted release limits. Beryllium laboratory sample data and location maps are contained in Attachment D, *Chemical Data Summaries and Sample Maps*.

4.3 RCRA/CERCLA Constituents [including metals and volatile organic compounds (VOCs)]

Based on a review of the HSAR, Building WSRIC Books, and facility walk-downs, the only RCRA/CERCLA items used in the Area 5 - Group 11 Facilities have been maintenance/cleaning materials and various small quantity items used as part of the calibration and safeguards processes. There is no evidence that any of these uses have led to RCRA/CERCLA concerns. Therefore, RCRA/CERCLA constituent sampling was not performed in these facilities as part of the RLC process.

Sampling for lead in paint in the Area 5 - Group 11 Facilities was not performed based on the fact that the only lead concern would be in the paint. Environmental Waste Compliance Guidance #27, *Lead-based Paint (LBP) and Lead-based paint Debris Disposal*, states that LBP debris generated outside of currently identified high contamination areas shall be managed as non-hazardous (solid) wastes, and additional analysis for characteristics of hazardous waste derived from LBP is not a requirement for disposal.

The Area 5 - Group 11 Facilities may contain RCRA regulated materials such as fluorescent lights and circuit boards. A thorough inspection of each facility will be made, and all regulated materials will be removed prior to demolition.

4.4 Polychlorinated Biphenyls (PCBs)

Based on the HSARs, interviews and facility walk-downs of the Area 5 - Group 11 Facilities, PCB-containing equipment was never present in the buildings. Therefore, PCB sampling was not performed in these facilities as part of the RLC process.

Based on the age of Building 750 (constructed prior to 1980), paints used are assumed to contain PCBs, and all painted materials will be managed as PCB Bulk Product Waste. Painted concrete surfaces can be used as backfill on site in accordance with approval received from EPA in November 2001 (letter from K. Clough, US EPA Region 8, to J. Legare, DOE RFFO, 8EPR-F, Approval of the Risk-Based Approach for Polychlorinated Biphenyls (PCB)-Based Painted Concrete), provided the concrete meets the other unrestricted-release criteria outlined in the Concrete Recycling RSOP. All other Area 5 - Group 11 Facilities were constructed after 1980 and do not contain PCB paint.

Because these facilities may contain fluorescent light ballasts containing PCBs, fluorescent light fixtures will be inspected to identify PCB ballasts during removal operations. PCB ballasts will be identified based on factors such as labeling (e.g., PCB-containing and non PCB-containing), manufacturer, and date of manufacturing. Ballasts that do not indicate non PCB-containing are assumed to be PCB-containing. Ballasts that are identified as PCB containing and are leaking, or weigh more than 9 pounds, will be removed prior to demolition. Non leaking PCB ballasts can remain in the building and be disposed of as PCB Bulk Product Waste.

5 PHYSICAL HAZARDS

Physical hazards associated with the Area 5 - Group 11 Facilities consist of those common to standard industrial environments and include hazards associated with energized systems, utilities, and trips and falls. The facilities have been relatively well maintained and are in good physical condition, therefore, do not present hazards associated with building deterioration. Physical hazards are controlled by the Site Occupational Safety and Industrial Hygiene Program, which is based on OSHA regulations, DOE orders, and standard industry practices.

6 DATA QUALITY ASSESSMENT

Data used in making management decisions for decommissioning of the Area 5 - Group 11 Facilities, and consequent waste management, are of adequate quality to support the decisions documented in this report. The data presented in this report (Attachments C and D) were verified and validated relative to DOE quality requirements, applicable EPA guidance, and original DQOs of the project.

In summary, the Verification and Validation (V&V) process corroborates that the following elements of the characterization process are adequate:

- ◆ the *number* of samples and surveys;
- ◆ the *types* of samples and surveys;
- ◆ the sampling/survey process as implemented “in the field”; and,
- ◆ the laboratory analytical process, relative to accuracy and precision considerations.

Details of the DQA are provided in Attachment E.

7 DECOMMISSIONING WASTE TYPES AND VOLUME ESTIMATES

The demolition and disposal of the Area 5 - Group 11 Facilities will generate a variety of wastes. Estimated waste types and waste volumes are presented below. All waste can be disposed of as sanitary waste, except asbestos and PCB Bulk Product Waste. There is no radioactive or hazardous waste. Asbestos and PCB ballasts will be managed pursuant to Site asbestos and PCB abatement and waste management procedures. PCB ballasts will be managed pursuant to Site PCB abatement and waste management procedures. The grease from the grease trap in the Building 750 Cafeteria (approximately 2 cubic yards) will be separated from general building debris and placed in a lined roll-off for disposal as sanitary waste.

Waste Volume Estimates and Material Types							
Facility	Concrete (cu ft)	Wood (cu ft)	Metal (cu ft)	Corrugated Sheet Metal (cu ft)	Wall Board (cu ft)	ACM (cu ft)	Other Waste (cu ft)
765	1,000	0	300	0	300	0	None
764	2,000	0	600	0	100	0	None
750	70,000	0	4,000	0	5,000	Friable: 7,183 Non-friable: 32,670	54
T750A	0	900	400	0	900	0	None
T750B	0	300	250	350	450	0	None
T750C	0	300	250	350	450	0	None
T750D	0	400	600	900	1,000	0	None
T750F	0	350	300	400	450	0	None
T750G	0	350	300	400	450	0	None

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8 FACILITY CLASSIFICATION AND CONCLUSIONS

Based on the analysis of radiological, chemical and physical hazards, the Area 5 - Group 11 facilities are classified as RFCA Type 1 facilities pursuant to the RFETS Decommissioning Program Plan (DPP; K-H, 1999) and are acceptable for demolition or sale. The Type 1 classification is based on a review of historical and process knowledge, and newly acquired RLC data.

The RLC of the Area 5 - Group 11 facilities was performed in accordance with the DDCP and PDSP requirements. All PDSP DQOs were met, and all data satisfied the PDSP DQA criteria. The Area 5 - Group 11 facilities do not contain radiological or hazardous waste. Asbestos and PCB ballast materials will be managed and disposed of in compliance with Environmental Protection Agency (EPA) and Colorado Department of Public Health and Environment (CDPHE) regulations. The grease trap in B750, while not regulated as hazardous, does require that the grease is handled and packaged separate from general building debris. All demolition debris will be managed in compliance with regulations governing PCBs (40 CFR 761), and Environmental Compliance Guidance #27, *Lead-Based Paint (LBP) and Lead-Based Paint Debris Disposal*, as applicable. All concrete can be used as backfill on site in accordance with the RFCA RSOP for Recycling Concrete.

Environmental media beneath and surrounding the facility will be addressed at a future date using the Soil Disturbance Permit process and in compliance with RFCA. To ensure the Area 5 - Group 11 facilities remain free of contamination and RLC data remain valid, Level 2 Isolation Controls have been established with the required postings to prevent the inadvertent introduction of contaminants.

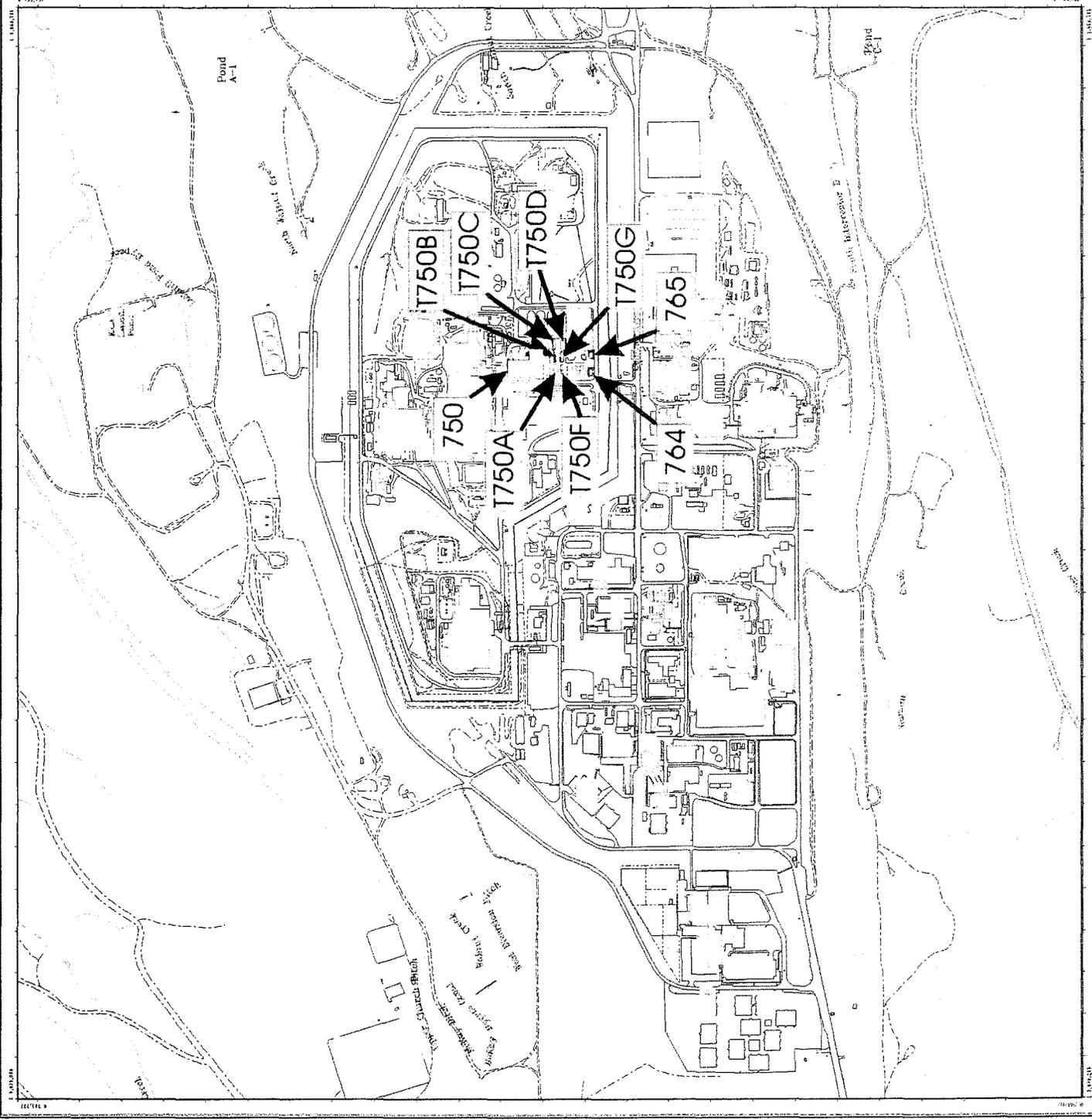
9 REFERENCES

- DOE/RFEO, CDPHE, EPA, 1996. *Rocky Flats Cleanup Agreement (RFCA)*, July 19, 1996.
- DOE Order 5400.5, "*Radiation Protection of the Public and the Environment.*"
- EPA, 1994. "*The Data Quality Objective Process,*" EPA QA/G-4.
- K-H, 1999. *Decommissioning Program Plan*, June 21, 1999.
- MAN-131-QAPM, *Kaiser-Hill Team Quality Assurance Program*, Rev. 1, November 1, 2001.
- MAN-076-FDPM, *Facility Disposition Program Manual*, Rev. 3, January 1, 2002.
- MAN-077-DDCP, *Decontamination and Decommissioning Characterization Protocol*, Rev. 3, July 15, 2002.
- MAN-127-PDSP, *Pre-Demolition Survey Plan for D&D Facilities*, Rev. 1, July 15, 2002.
- MARSSIM - *Multi-Agency Radiation Survey and Site Investigation Manual*, December 1997 (NUREG-1575, EPA 402-R-97-016).
- PRO-475-RSP-16.01, *Radiological Survey/Sampling Package Design, Preparation, Control, Implementation, and Closure*, Rev. 1, May 22, 2001.
- PRO-476-RSP-16.02, *Pre-Demolition (Final Status) Radiological Surveys of Surfaces and Structures*, Rev. 1, May 22, 2001.
- PRO-477-RSP-16.03, *Radiological Samples of Building Media*, Rev. 1, May 22, 2001.
- PRO-478-RSP-16.04, *Radiological Survey/Sample Data Analysis for Final Status Survey*, Rev. 1, May 22, 2001.
- PRO-479-RSP-16.05, *Radiological Survey/Sample Quality Control for Final Status Survey*, Rev. 1, May 22, 2001.
- PRO-563-ACPR, *Asbestos Characterization Procedure*, Revision 0, August 24, 1999.
- PRO-536-BCPR, *Beryllium Characterization Procedure*, Revision 0, August 24, 1999.
- RFETS, *Environmental Waste Compliance Guidance #25, Management of Polychlorinated Biphenyls (PCBs) in Paint and Other Bulk Product Waste During Facility Disposition.*
- RFETS, *Environmental Waste Compliance Guidance #27, Lead-Based Paint (LBP) and Lead-Based Paint Debris Disposal.*
- RFCA Standard Operation Protocol for Recycling Concrete*, September 28, 1999.
- Historical Site Assessment Report for the Area 5 - Group 11 Facilities*, dated November 2002, Revision 0.

ATTACHMENT A

Facility Location Map

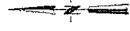
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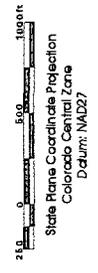
Building Cluster
 750, 750A, 750B,
 750C, 750D, 750F,
 750G, 764 & 765
Standard Map Features

-  Buildings and other structures
-  Demolished buildings and other structures
-  Lakes and ponds
-  Streams, ditches, or other drainage features
-  Fences and other barriers
-  Paved roads
-  Dirt roads

DATA SOURCE BASE FEATURES:
 Buildings, fences, hydrography, roads and other structures from 1994 aerial fly-over data captured by EG&G ISI, Las Vegas. Digitized from the orthophotographs 1/95



Scale = 1 : 12450
 1 Inch represents approximately 1038 feet



State Plane Coordinate Projection
 Colorado Central Zone
 Datum: NAD27

U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by:  Environmental Technology Solutions, Inc.
 656-825-8111
 656-825-7707
 Prepared for:  KANSAS STATE UNIVERSITY
 February 26, 2003
 IMAP ID: RY 2002

ATTACHMENT B

Historical Site Assessment Report

**D&D RISS Facility Characterization
Historical Site Assessment Report
November, 2002 Rev. 0**

Facility ID: (AREA 5 - GROUP 11) Buildings 765, 764, 750, and Trailers 750A, 750B, 750C, 750D, 750F, and 750G.

Anticipated Facility Type (1, 2, or 3): Buildings 765, 764, 750, and Trailers 750A, 750B, 750C, 750D, 750F, and 750G are anticipated Type 1 facilities.

This facility-specific Historical Site Assessment (HSA) has been performed in accordance with:
D&D Characterization Protocol, RFETS MAN-077-DDCP, latest version, and
Facility Disposition Program Manual, RFETS MAN-076-FDPM, latest version

Physical Description

Building 764

Building 764 is 1,763 square feet building, with a basement, build in 1985. This building is a concrete block structure with a steel roof with built-up insulation. The walls and basement floor are concrete and the main floor is constructed of a raised computer-room flooring system used to accommodate the large amount of alarm and surveillance wiring and equipment.

Building 764 has the following utilities: electrical, plant water, plant sanitary, and fire protection is provided by an overhead sprinkler system and wall mounted fire extinguishers.

Building 765

Building 765 is a 960 square foot, single-story building constructed in 1985. This building is a concrete block structure with a steel roof with built-up insulation. The walls are concrete covered with wallboard. The floor is a concrete slab built on grade and has raised computer-room flooring used to accommodate the large amount of alarm and surveillance wiring and equipment.

Building 765 has the following utilities: electrical, plant water, plant sanitary, and fire protection is provided by an overhead sprinkler system and wall mounted fire extinguishers.

Building 750

Building 750 is a 57,170 square foot two-story building constructed in 1969. This structure is a pre-fabricated, pre-cast reinforced concrete facility built on a concrete foundation. The building has pre-cast concrete walls and a pre-cast concrete roof. The main floor is poured in place concrete. Building 750 has an approximately 18,000 square foot cafeteria, which occupies the northern portion of the building. There is a corrugated fiberglass enclosed walkway on the west side of the cafeteria. The southern portion of the building is engineering support and administrative office space. The south west corner of the building is used as a Guard Post.

Building 750 has the following utilities: electrical, plant water, plant sanitary, plant steam, and fire protection is provided by an overhead sprinkler system and wall mounted fire extinguishers.

**D&D RISS Facility Characterization
Historical Site Assessment Report
November, 2002 Rev. 0**

Trailer 750A

Trailer T750A is a 1,440 square-foot general office trailer and was acquired in 1982. This trailer has wood siding and wood skirting. The entrances have wooden stairs leading to a wooded enclosure. T750A has two offices on the east side of the trailer and the remainder of the trailer is set up as a large meeting and training room. The interior walls are wood paneling, the ceiling is a drop ceiling with acoustical tiles and recessed lights. The floor is carpeted.

The T750A has the following utilities: electrical, and fire protection is provided by wall mounted fire extinguishers.

Trailer 750B

Trailer T750B is a 720 square-foot general office trailer and was acquired in 1982. This trailer has aluminum siding and wood skirting. The entrances have wooden stairs leading to a wooded enclosure. T750B has an office on the east side of the trailer and the remainder of the trailer is set up as a large meeting and training room. The interior walls are wood paneling, the ceiling is wallboard with flush mounted light fixtures. The floor is carpeted.

Trailer T750B has the following utilities: electrical, and fire protection is provided by wall mounted fire extinguishers.

Trailer 750C

Trailer T750C is a 720 square-foot general office trailer and was acquired in 1983. This trailer has aluminum siding and aluminum skirting. The entrances have wooden stairs leading to a wooded enclosure. T750C has an office and cubical configuration. The interior walls are wood paneling, the ceiling is wallboard with flush mounted light fixtures. The floor is carpeted.

Trailer T750C has the following utilities: electrical, and fire protection is provided by wall mounted fire extinguishers.

Trailer 750D

Trailer T750D is a 1,969 square-foot general office trailer and was acquired in 1984. This trailer has aluminum siding with aluminum skirting. The entrances have wooden stairs leading to a wooded enclosure. The interior is primarily a cubical layout, but has several hard-walled offices. Interior walls are wood paneling, the ceiling is a drop ceiling with acoustical tiles and recessed lights. The floor is carpeted.

Trailer T750D has the following utilities: electrical, and fire protection is provided by wall mounted fire extinguishers.

Trailer 750F

Trailer 750F is a 980 square-foot shower trailer and was acquired in 1990. This trailer has aluminum siding with aluminum skirting. The entrances have wooden stairs leading to a wooded enclosure. The interior has a men and women's locker room and shower room layout. The floor is vinyl tile, and the walls and ceiling are wallboard. This trailer has a large gas fired water heater.

Trailer T750F has the following utilities: electrical, plant water, plant sanitary, propane gas, and fire protection is provided by wall mounted fire extinguishers.

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Trailer 750G

Trailer T750G is a 980 square-foot general office trailer and was acquired in 1988. This trailer has aluminum siding with aluminum skirting. The entrances have wooden stairs leading to a wooded enclosure. The interior is divided into three rooms. Interior walls and ceiling are wallboard. The floor is vinyl tile.

Trailer T750G has the following utilities: electrical, and fire protection is provided by wall mounted fire extinguishers.

Historical Operations

Building 764

Building 764 is the PIDAS Building, which stands for Perimeter Intrusion Detection and Assessment System. The PIDAS building housed computerized alarm and surveillance equipment. This building also houses the Uninterrupted Power Supply Battery system for both Building 764 and 765. This building was designed as an unmanned building and has no office equipment or systems. Building 764 has always been the PIDAS building and has never housed any radiological or hazardous operations.

Building 765

Building 765 was built as the secondary security alarm system building and is used as a back-up for the security alarms and surveillance equipment located in Building 121. This building is a manned building with a raised computer floor on half of the building to accommodate the wiring associated with the electronic equipment and surveillance monitoring equipment. Building 765 has never housed any radiological or hazardous operations.

Building 750

Building 750 houses a cafeteria and administrative offices, which include engineering support personnel, classified document storage, Safeguards Measurements, and a Calibration Laboratory. The Calibration Laboratory is located in Room 121 and calibrates measurement and test equipment from various operations in the PA. The Calibration Laboratory maintains electrical, electronic, mechanical, and physical precision instruments. Safeguards Measurements is located in room 207, and maintains non-destructive assay (NDA) measurement systems and a variety of portable confirmatory/holdup measurement systems. Portable equipment that enters radiological contamination areas is surveyed prior to release.

Trailer 750A

Trailer T750A has historically been an office/training center in support of Building 707/776 operations. This trailer has no history of radiological or hazardous operations.

Trailer 750B

Originally Trailer T750B was used as a Computer Bases Training Center in support of the Building 707/776 operations. Currently it is used for training and a meeting facility for Building 707/776 operations. This trailer has no history of radiological or hazardous operations.

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Trailer 750C

Building 750C has historically been a general office trailer in support of the 707/776 operations. This trailer has no history of radiological or hazardous operations.

Trailer 750D

Building 750D has historically been a general office trailer in support of the 707/776 operations. For the past year this trailer has house engineering and administrative support personnel for the 750 Pad operations. This trailer has no history of radiological or hazardous operations.

Trailer 750F

Trailer 750F is the locker room and shower facility in support of the 750 Pad operations. This trailer has always been used as a clean shower trailer and has no history of any contamination.

Trailer 750G

Trailer 750G is an office trailer and break room in support of the 750 Pad operations. Trailer T750G has always been a general office trailer used in support of the 750 Pad operations and has no history of facility contamination.

Current Operational Status

Buildings 765, 764, 750, and Trailers 750A, 750B, 750C, 750D, 750F, and 750G are all operational.

Contaminants of Concern

Asbestos

Describe any potential, likely, or known sources of Asbestos:

Building 750 is posted as potentially containing asbestos. The remaining facilities in this HSA have no asbestos postings.

Beryllium (Be)

Describe any potential, likely, or known Be production or storage locations:

None of the facilities addressed in this HSA are on the List of known Be Areas.

Summarize any recent Be sampling results:

There have been no recent Be samples collected on any of these facilities.

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Lead

Describe any potential, likely, or known sources of Lead (e.g., paint, shielding, etc.):

Based on the age of some of the facilities addressed in this HSA, lead in paint may be a concern. No processes containing lead were conducted in these facilities.

RCRA/CERCLA Constituents

Describe any potential, likely, or known sources of RCRA/CERCLA constituents (e.g., chemical storage, waste storage, and processes):

None of the buildings addressed in this HSA have housed any hazardous operation. See the Historical Operations section above for a more detailed listing of the operations which occurred in the facilities addressed in this HSA.

Describe any potential, likely, or known spill locations (and sources, if any):

None of the facilities in this HSA have had any RCRA/CERCLA spills.

Describe methods in which spills were mitigated, if any:

None of the facilities in this HSA have had any RCRA/CERCLA spills.

PCBs

Describe any potential, likely, or known sources of PCBs (e.g., light ballasts, paints, equipment, etc.):

No PCB containing processes were housed in the facilities addressed in this HSA. Based on the age of construction of some of these facilities, PCBs in paint may be a concern.

Describe any potential, likely, or known spill locations (and sources, if any):

No PCB spills occurred in any of the Facilities addressed in this HSA.

Describe methods in which spills were mitigated, if any:

No PCB spills occurred in any of the Facilities addressed in this HSA.

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**D&D RISS Facility Characterization
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Radiological Contaminants

Describe any potential, likely, or known radiological production or storage locations:

None of the facilities addressed in this HSA has housed any radiological operation. These facilities did support 707/776 and the 750 Pad operations, however there is no building contamination associated with these activities. Building 750 was physically close to the Building 776/777 1969 plutonium fire and was used as a command and control center for the response action. See the Historical Operations section above for a more detailed listing of the operations which occurred in the facilities addressed in this HSA.

Describe any potential, likely, or known spill locations (e.g., known leaking sealed radioactive sources, leaking waste drums, potentially contaminated drains, etc.):

None of the facilities in this HSA have had a radiological spill.

Describe methods in which spills were mitigated, if any:

None of the facilities in this HSA have had a radiological spill.

Describe any potential, likely, or known isotopes of concern (e.g., weapons grade plutonium, uranium isotopes, pure beta emitters, mixed fission products, etc.):

Isotopes of concern include uranium and plutonium.

Describe any potential, likely, or known external facility contamination (e.g., stack release points, unfiltered ventilation, facility's physical location to known site releases, etc.):

See section below for information on IHSSs PACs, and UBCs.

Environmental Restoration Concerns

Describe any ER concerns that could affect facility characterization (e.g., IHSSs, PACs, UBCs):

Building 750 is associated with or located near the following IHSSs, PACs, or UBCs. See individual IHSS, PAC, or UBC report for additional information.

1) 700-1111, "Leaking Transformer – Building 750", NFA proposed 1996.

Trailers 750A, 750B, 750C, 750D, 750F, and 750G are located near the following IHSSs, PACs, or UBCs. See individual IHSS, PAC, or UBC report for additional information.

1) 700-214, "750 Pad Pondcrete and Saltcrete Storage, Unit 25", Active.

Additional Information

Describe any additional information that may be useful during facility characterization (e.g., contaminant migration routes, waste handling operations, physical hazards, Historical Release Reports, WSRIC data, etc.):

None

ATTACHMENT C

Radiological Data Summaries and Survey Maps

SURVEY UNIT 750-A-001
RADIOLOGICAL DATA SUMMARY - PDS

Survey Unit Description: B750 (Interior & Exterior)

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Total Surface Activity Measurements

130	132
Number Required	Number Obtained

MIN	-18.5	dpm/100 cm ²
MAX	70.9	dpm/100 cm ²
MEAN	8.8	dpm/100 cm ²
STD DEV	18.0	dpm/100 cm ²

TRANSURANIC DCGL _w -	100	dpm/100 cm ²
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Removable Activity Measurements

130	132
Number Required	Number Obtained

MIN	-1.2	dpm/100 cm ²
MAX	3.9	dpm/100 cm ²
MEAN	0.1	dpm/100 cm ²
STD DEV	1.1	dpm/100 cm ²

TRANSURANIC DCGL _w	20	dpm/100 cm ²
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**SURVEY UNIT 750-A-001
TSA - DATA SUMMARY**

Manufacturer:	NE Tech	NE Tech				
Model:	DP-6	DP-6	DP-6	DP-6	DP-6	DP-6
Instrument ID#:	2	3	4	5	6	7
Serial #:	1417	1420	3114	1417	1681	3114
Cal Due Date:	7/28/03	6/4/03	9/3/03	7/28/03	10/18/03	9/3/03
Analysis Date:	5/5/03	5/5/03	5/5/03	5/5/03	5/6/06	5/6/03
Alpha Eff. (c/d):	0.218	0.221	0.219	0.218	0.218	0.219
Alpha Bkgd (cpm)	2.0	0.7	6.7	2.0	2.0	4.0
Sample Time (min)	1.5	1.5	1.5	1.5	1.5	1.5
LAB Time (min)	1.5	1.5	1.5	1.5	1.5	1.5
MDC (dpm/100cm ²)	48.0	48.0	48.0	48.0	48.0	48.0

Manufacturer:	NE Tech					
Model:	DP-6	DP-6	DP-6	DP-6	DP-6	DP-6
Instrument ID#:	8	13	14	15	16	17
Serial #:	1366	1366	3114	3115	1417	1681
Cal Due Date:	6/26/03	6/26/03	9/3/03	9/24/03	7/28/03	10/18/03
Analysis Date:	5/13/03	5/14/03	5/14/03	5/14/03	5/14/03	5/15/03
Alpha Eff. (c/d):	0.209	0.209	0.219	0.218	0.218	0.218
Alpha Bkgd (cpm)	2.0	2.7	2.7	2.0	0.7	2.7
Sample Time (min)	1.5	1.5	1.5	1.5	1.5	1.5
LAB Time (min)	1.5	1.5	1.5	1.5	1.5	1.5
MDC (dpm/100cm ²)	48.0	48.0	48.0	48.0	48.0	48.0

Manufacturer:	NE Tech	NE Tech	NE Tech	NE Tech	NE Tech	NE Tech
Model:	DP-6	DP-6	DP-6	DP-6	DP-6	DP-6
Instrument ID#:	18	19	20	25	26	27
Serial #:	1420	1366	3115	1681	1366	1417
Cal Due Date:	6/4/03	6/26/03	9/24/03	10/18/03	6/26/03	7/28/03
Analysis Date:	5/15/03	5/15/03	5/15/03	5/16/03	5/16/03	5/16/03
Alpha Eff. (c/d):	0.221	0.209	0.218	0.218	0.209	0.218
Alpha Bkgd (cpm)	1.3	3.3	3.3	4.0	2.0	1.3
Sample Time (min)	1.5	1.5	1.5	1.5	1.5	1.5
LAB Time (min)	1.5	1.5	1.5	1.5	1.5	1.5
MDC (dpm/100cm ²)	48.0	48.0	48.0	48.0	48.0	48.0

Sample Location Number	Instrument ID#:	Sample Gross Counts (cpm)	Sample Gross Activity (dpm/100cm ²)	LAB Gross Counts (cpm)	LAB Gross Activity (dpm/100cm ²)	Sample Net Activity (dpm/100cm ²) ¹
1	15	6.7	30.7	1.3	6.0	12.2
2	7	4.0	18.3	4.0	18.3	-0.3
3*	27	5.0	22.9	2.0	9.2	-4.4
4	19	12.0	57.4	8.0	38.3	38.9
5	27	0.7	3.2	2.0	9.2	-15.3
6	7	8.7	39.7	4.7	21.5	21.2
7	16	0.0	0.0	0.7	3.2	-18.5
8	8	3.3	15.8	7.3	34.9	-2.8
9	5	4.0	18.3	2.0	9.2	-0.2
10	25	15.3	70.2	3.3	15.1	51.6
11	7	6.0	27.4	2.7	12.3	8.8
12	14	6.0	27.4	8.0	36.5	8.8
13	7	7.3	33.3	2.7	12.3	14.8
14	14	8.7	39.7	6.0	27.4	21.2
15	19	14.7	70.3	3.3	15.8	51.8
16	20	19.3	88.5	3.3	15.1	70.0
17	5	4.0	18.3	1.3	6.0	-0.2
18	15	7.3	33.5	3.3	15.1	14.9
19	8	8.0	38.3	7.3	34.9	19.7
20	7	9.3	42.5	8.0	36.5	23.9
21	14	8.0	36.5	2.0	9.1	18.0
22	8	6.0	28.7	5.3	25.4	10.2
23	2	4.0	18.3	4.0	18.3	-0.2
24	15	10.0	45.9	3.3	15.1	27.3
25	15	9.3	42.7	2.7	12.4	24.1
26	14	8.0	36.5	5.3	24.2	18.0
27	15	12.0	55.0	2.0	9.2	36.5
28	13	7.3	34.9	7.3	34.9	16.4

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**SURVEY UNIT 750-A-001
TSA - DATA SUMMARY**

Sample Location Number	Instrument ID#:	Sample Gross Counts (cpm)	Sample Gross Activity (dpm/100cm ²)	LAB Gross Counts (cpm)	LAB Gross Activity (dpm/100cm ²)	Sample Net Activity (dpm/100cm ²) ¹
29	13	7.3	34.9	7.3	34.9	16.4
30	27	1.3	6.0	3.3	15.1	-12.6
31	8	7.3	34.9	5.3	25.4	16.4
32	6	2.7	12.4	2.0	9.2	-6.2
33	8	7.3	34.9	5.3	25.4	16.4
34	19	12.7	60.8	6.0	28.7	42.2
35	19	16.0	76.6	6.0	28.7	58.0
36	13	4.7	22.5	5.3	25.4	3.9
37	19	13.3	63.6	6.7	32.1	45.1
38	5	2.7	12.4	4.8	22.0	-6.2
39	14	8.0	36.5	6.0	27.4	18.0
40	6	1.3	6.0	5.3	24.3	-12.6
41	27	3.3	15.1	1.3	6.0	-3.4
42	5	3.3	15.1	4.7	21.6	-3.4
43	14	6.7	30.6	5.3	24.2	12.0
44	7	6.7	30.6	4.7	21.5	12.0
45	6	2.7	12.4	1.3	6.0	-6.2
46	14	6.7	30.6	5.3	24.2	12.0
47	25	4.0	18.3	2.0	9.2	-0.2
48	14	11.3	51.6	6.7	30.6	33.0
49	7	4.0	18.3	4.0	18.3	-0.3
50	16	1.3	6.0	4.7	21.6	-12.6
51	8	5.3	25.4	6.0	28.7	6.8
52	26	6.0	28.7	6.0	28.7	10.2
53	19	18.7	89.5	7.3	34.9	70.9
54	14	8.7	39.7	2.7	12.3	21.2
55	27	2.0	9.2	3.3	15.1	-9.4
56	7	7.3	33.3	4.0	18.3	14.8
57	8	8.7	41.6	3.3	15.8	23.1
58	14	8.0	36.5	2.0	9.1	18.0
59	26	7.3	34.9	6.7	32.1	16.4
60	8	10.0	47.8	4.0	19.1	29.3
61	14	7.3	33.3	6.7	30.6	14.8
62	2	4.7	21.6	2.7	12.4	3.0
63	15	6.7	30.7	5.3	24.3	12.2
64	16	6.0	27.5	6.0	27.5	9.0
65	13	4.7	22.5	7.3	34.9	3.9
66	2	2.0	9.2	5.7	26.1	-9.4
67	14	9.3	42.5	3.7	16.9	23.9
68	13	6.0	28.7	6.0	28.7	10.2
69	4	6.7	30.6	8.0	36.5	12.0
70	4	18.7	85.4	6.7	30.6	66.8
71	3	2.7	12.2	4.0	18.1	-6.3
72	2	4.0	18.3	4.0	18.3	-0.2
73	8	6.0	28.7	8.0	38.3	10.2
74	7	4.0	18.3	0.7	3.2	-0.3
75	8	4.0	19.1	7.3	34.9	0.6
76	7	8.0	36.5	0.7	3.2	18.0
77	7	2.0	9.1	6.7	30.6	-9.4
78	7	12.0	54.8	8.0	36.5	36.2
79	8	5.3	25.4	7.3	34.9	6.8
80	14	4.7	21.5	2.0	9.1	2.9
81	16	6.0	27.5	3.3	15.1	9.0
82	14	8.7	39.7	7.3	33.3	21.2
83	16	2.7	12.4	1.3	6.0	-6.2
84	14	5.3	24.2	3.3	15.1	5.7
85	14	10.0	45.7	4.7	21.5	27.1
86	16	3.3	15.1	2.0	9.2	-3.4
87	14	3.3	15.1	3.3	15.1	-3.5
88	16	1.3	6.0	1.3	6.0	-12.6
89	16	3.3	15.1	4.7	21.6	-3.4
90	14	6.7	30.6	4.0	18.3	12.0
91	15	1.3	6.0	4.0	18.3	-12.6
92	15	2.7	12.4	2.7	12.4	-6.2

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**SURVEY UNIT 750-A-001
TSA - DATA SUMMARY**

Sample Location Number	Instrument ID#:	Sample Gross Counts (cpm)	Sample Gross Activity (dpm/100cm ²)	LAB Gross Counts (cpm)	LAB Gross Activity (dpm/100cm ²)	Sample Net Activity (dpm/100cm ²) ¹
93	17	14.0	64.2	4.0	18.3	45.7
94	18	4.0	18.1	2.0	9.0	-0.4
95	20	4.7	21.6	2.0	9.2	3.0
96	18	2.7	12.2	4.7	21.3	-6.3
97	17	1.3	6.0	2.7	12.4	-12.6
98	17	4.7	21.6	3.3	15.1	3.0
99	20	6.0	27.5	4.0	18.3	9.0
100	18	8.0	36.2	2.7	12.2	17.7
101	2	1.3	6.0	4.7	21.6	-12.6
102	13	2.7	12.9	2.4	11.5	-5.6
103	15	2.0	9.2	4.7	21.6	-9.4
104	15	2.7	12.4	2.7	12.4	-6.2
105	15	4.0	18.3	4.7	21.6	-0.2
106	15	2.0	9.2	0.7	3.2	-9.4
107	15	2.0	9.2	5.3	24.3	-9.4
108	15	3.3	15.1	2.0	9.2	-3.4
109	15	4.7	21.6	2.3	10.6	3.0
110	15	4.0	18.3	5.3	24.3	-0.2
111	15	3.3	15.1	3.3	15.1	-3.4
112	15	2.0	9.2	0.7	3.2	-9.4
113	15	3.3	15.1	0.7	3.2	-3.4
114	15	4.0	18.3	2.7	12.4	-0.2
115	15	4.7	21.6	4.0	18.3	3.0
116	15	0.7	3.2	0.7	3.2	-15.3
117	18	3.3	14.9	3.3	14.9	-3.6
118	20	5.3	24.3	4.7	21.6	5.8
119	17	3.3	15.1	0.7	3.2	-3.4
120	17	4.7	21.6	1.3	6.0	3.0
121	20	3.3	15.1	2.0	9.2	-3.4
122	16	1.3	6.0	4.0	18.3	-12.6
123	14	8.7	39.7	8.0	36.5	21.2
124	16	4.7	21.6	2.7	12.4	3.0
125	16	6.0	27.5	0.0	0.0	9.0
126	14	10.7	48.9	6.7	30.6	30.3
127	16	2.7	12.4	2.7	12.4	-6.2
128	16	3.3	15.1	4.0	18.3	-3.4
129	16	4.0	18.3	0.0	0.0	-0.2
130	16	1.3	6.0	1.3	6.0	-12.6
131	25	4.7	21.6	2.0	9.2	3.0
132	26	8.0	38.3	2.0	9.6	19.7

¹ - Average LAB used to subtract from Gross Sample Activity

* - The initial Sample Net Activity for location 3 was 105.6 dpm/100cm².

This location was sealed and re-surveyed after a decay period. Re-survey results are reported.

No further investigation is required.

18.5	Sample LAB Average
MIN	-18.5
MAX	70.9
MEAN	8.8
SD	18.0
Transuranic DCGL _w	100

QC Measurements

16QC	18	20.0	90.5	3.3	14.9	74.3
34QC	17	12.0	55.0	4.7	21.6	38.9
81QC	14	8.7	39.7	6.7	30.6	23.5
121QC	16	0.7	3.2	2.7	12.4	-13.0
119QC	18	1.3	5.9	2.7	12.2	-10.3
132QC	25	5.3	24.3	2.0	9.2	8.1
93QC	27	0.7	3.2	2.7	12.4	-13.0

¹ - Average QC LAB used to subtract from Gross Sample Activity

16.2	QC LAB Average
MIN	-13.0
MAX	74.3
MEAN	15.5
Transuranic DCGL _w	100

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**SURVEY UNIT 750-A-001
RSC - DATA SUMMARY**

Manufacturer:	Eberline	Eberline	Eberline	Eberline
Model:	SAC-4	SAC-4	SAC-4	SAC-4
Instrument ID#:	9	10	11	12
Serial #:	1164	952	971	924
Cal Due Date:	6/17/03	7/9/03	8/6/03	10/23/03
Analysis Date:	5/13/03	5/13/03	5/13/03	5/13/03
Alpha Eff. (c/d):	0.33	0.33	0.33	0.33
Alpha Bkgd (cpm)	0.2	0.4	0.1	0.1
Sample Time (min)	2	2	2	2
Bkgd Time (min)	10	10	10	10
MDC (dpm/100cm²)	9.0	9.0	9.0	9.0

Manufacturer:	Eberline	Eberline	Eberline	Eberline	Eberline
Model:	SAC-4	SAC-4	SAC-4	SAC-4	SAC-4
Instrument ID#:	21	22	23	24	28
Serial #:	1164	952	971	924	1164
Cal Due Date:	6/17/03	7/9/03	8/6/03	10/23/03	6/17/03
Analysis Date:	5/15/03	5/15/03	5/15/03	5/15/03	5/16/03
Alpha Eff. (c/d):	0.33	0.33	0.33	0.33	0.33
Alpha Bkgd (cpm)	0.2	0.4	0.1	0.2	0.0
Sample Time (min)	2	2	2	2	2
Bkgd Time (min)	10	10	10	10	10
MDC (dpm/100cm²)	9.0	9.0	9.0	9.0	9.0

Sample Location Number	Instrument ID#	Gross Counts (cpm)	Net Activity (dpm/100 cm ²)
1	23	1	1.2
2	9	0	-0.6
3	21	1	0.9
4	22	2	1.8
5	28	0	0.0
6	10	1	0.3
7	24	0	-0.6
8	11	1	1.2
9	11	0	-0.3
10	28	0	0.0
11	12	0	-0.3
12	21	3	3.9
13	9	0	-0.6
14	22	2	1.8
15	23	1	1.2
16	24	0	-0.6
17	10	0	-1.2
18	21	0	-0.6
19	11	0	-0.3
20	12	0	-0.3
21	22	0	-1.2
22	9	0	-0.6
23	10	2	1.8
24	23	0	-0.3
25	24	0	-0.6
26	21	0	-0.6
27	22	0	-1.2
28	23	1	1.2
29	24	0	-0.6
30	21	0	-0.6
31	11	0	-0.3
32	10	0	-1.2

30

**SURVEY UNIT 750-A-001
RSC - DATA SUMMARY**

Sample Location Number	Instrument ID#	Gross Counts (cpm)	Net Activity (dpm/100 cm ²)
33	9	1	0.9
34	22	1	0.3
35	23	2	2.7
36	24	2	2.4
37	21	0	-0.6
38	10	1	0.3
39	22	0	-1.2
40	11	0	-0.3
41	28	0	0.0
42	9	3	3.9
43	23	1	1.2
44	9	0	-0.6
45	12	0	-0.3
46	24	0	-0.6
47	28	2	3.0
48	21	0	-0.6
49	10	1	0.3
50	10	0	-1.2
51	11	0	-0.3
52	28	1	1.5
53	22	1	0.3
54	23	1	1.2
55	28	0	0.0
56	12	0	-0.3
57	24	0	-0.6
58	21	0	-0.6
59	24	1	0.9
60	22	0	-1.2
61	23	0	-0.3
62	24	0	-0.6
63	21	0	-0.6
64	22	0	-1.2
65	23	2	2.7
66	24	1	0.9
67	21	0	-0.6
68	22	0	-1.2
69	23	0	-0.3
70	24	0	-0.6
71	21	0	-0.6
72	21	0	-0.6
73	22	1	0.3
74	23	0	-0.3
75	24	0	-0.6
76	21	1	0.9
77	22	0	-1.2
78	23	0	-0.3
79	24	0	-0.6
80	23	0	-0.3
81	24	0	-0.6
82	23	1	1.2
83	24	1	0.9
84	23	0	-0.3
85	24	0	-0.6
86	28	1	1.5
87	23	0	-0.3
88	24	0	-0.6
89	23	0	-0.3
90	24	0	-0.6
91	23	0	-0.3

31

**SURVEY UNIT 750-A-001
RSC - DATA SUMMARY**

Sample Location Number	Instrument ID#	Gross Counts (cpm)	Net Activity (dpm/100 cm ²)
92	24	0	-0.6
93	23	1	1.2
94	24	1	0.9
95	23	1	1.2
96	24	0	-0.6
97	23	0	-0.3
98	24	0	-0.6
99	21	1	0.9
100	22	2	1.8
101	23	1	1.2
102	24	1	0.9
103	21	1	0.9
104	22	1	0.3
105	23	0	-0.3
106	24	0	-0.6
107	21	2	2.4
108	22	0	-1.2
109	23	0	-0.3
110	24	0	-0.6
111	28	1	1.5
112	21	0	-0.6
113	22	2	1.8
114	23	0	-0.3
115	24	0	-0.6
116	21	1	0.9
117	22	1	0.3
118	28	0	0.0
119	23	0	-0.3
120	24	0	-0.6
121	21	0	-0.6
122	22	0	-1.2
123	23	0	-0.3
124	24	1	0.9
125	21	1	0.9
126	22	1	0.3
127	23	0	-0.3
128	24	1	0.9
129	21	0	-0.6
130	22	2	1.8
131	23	0	-0.3
132	24	0	-0.6
		MIN	-1.2
		MAX	3.9
		MEAN	0.1
		SD	1.1
		Transuranic DCGL _w	20

32

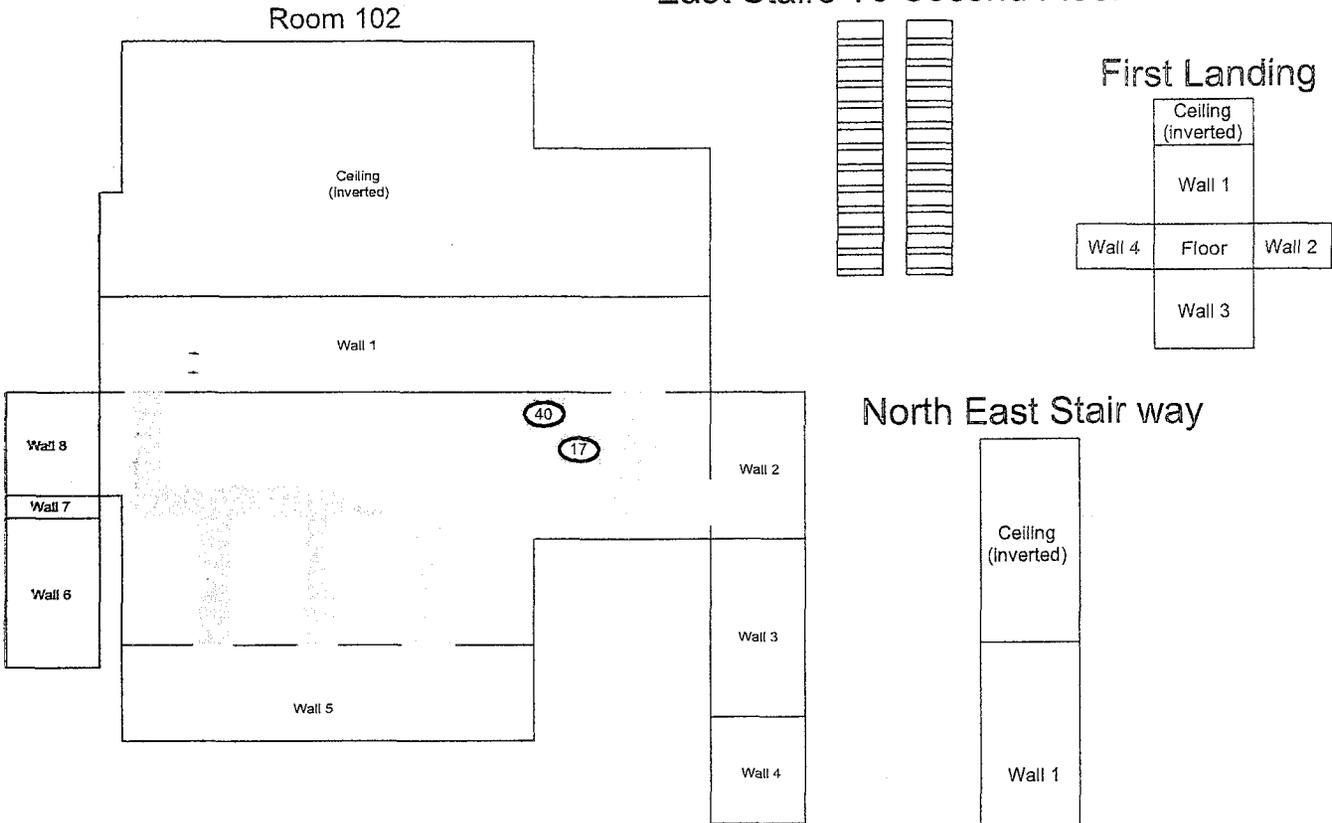
PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

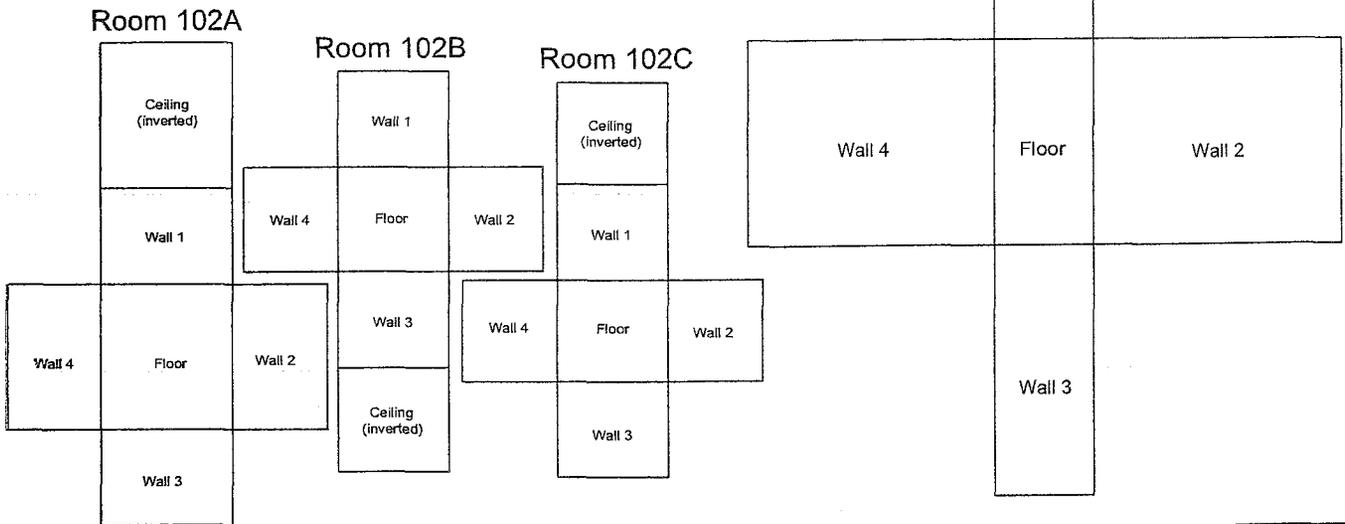
B750 1st Floor Interior

East Stairs To Second Floor

First Landing



North East Stair way



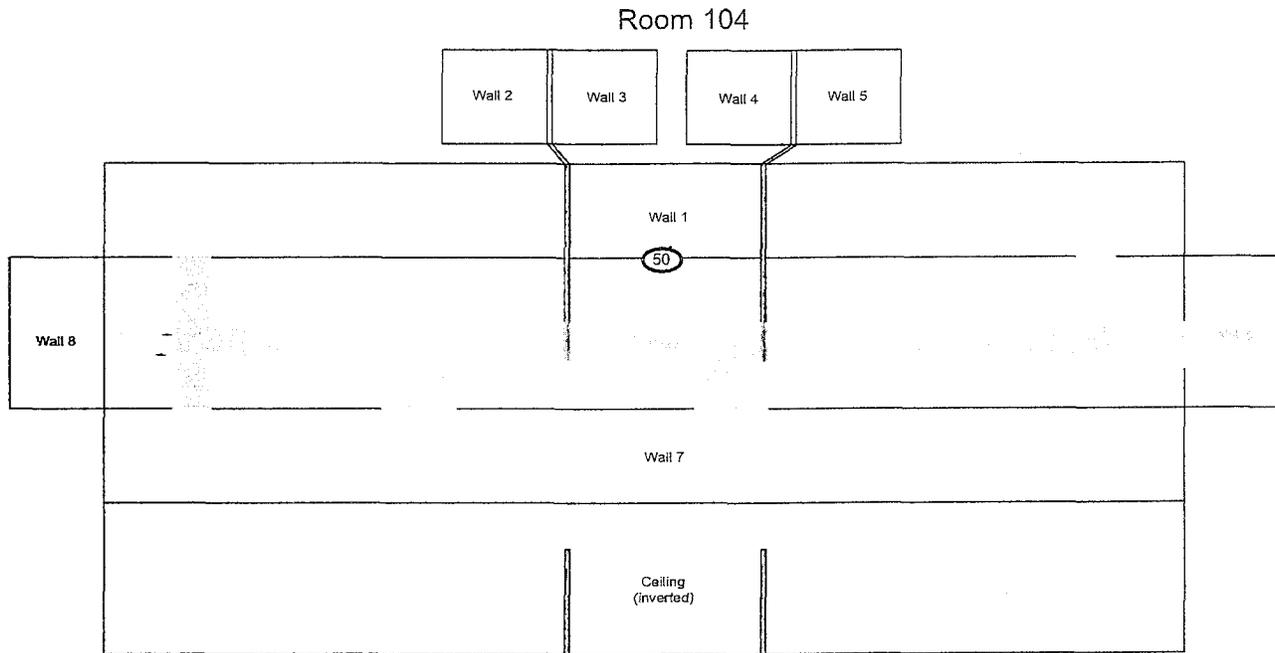
Scan Area

<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p> <p>Scan Survey Information Survey Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27</p>	<p style="text-align: center;">N</p> <div style="text-align: center;"> <p>0 FEET 25</p> <p>0 METERS 8</p> </div> <p style="text-align: center;">1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p style="text-align: center;">U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around;"> </div> <p>MAP ID: 03-0178750 PG1-SC May 27, 2003</p>
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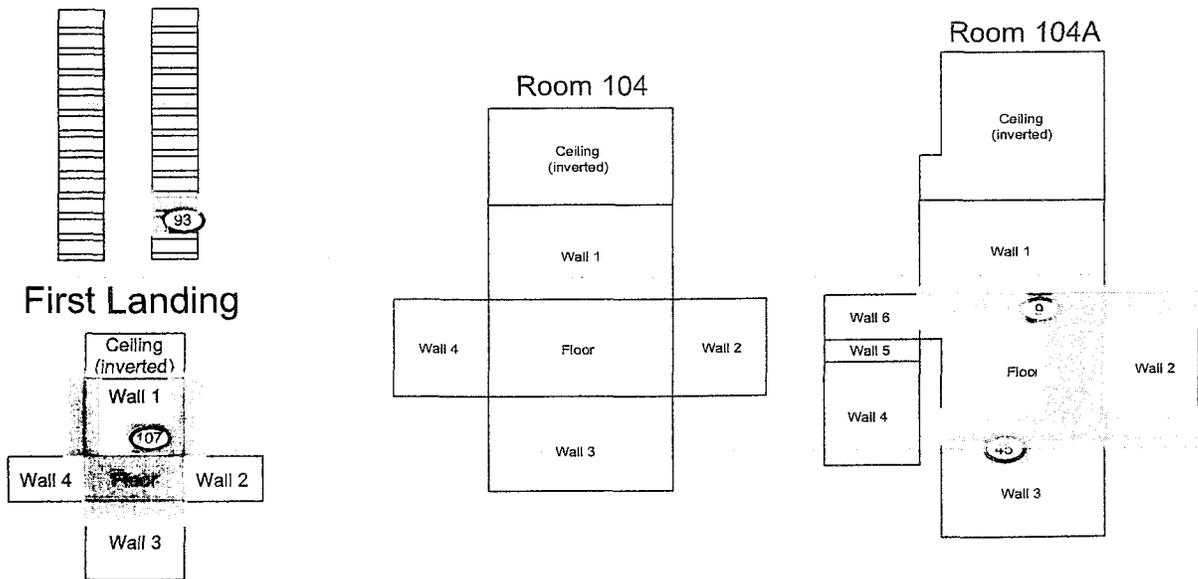
PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 1st Floor Interior



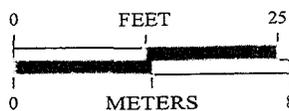
West Stairs To Second Floor



SURVEY MAP LEGEND

- Smear & TSA Location
- Smear, TSA & Sample Location
- Open/Inaccessible Area
- Area in Another Survey Unit

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Scan Survey Information Survey
 Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5
 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27

1 inch = 18 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707

Prepared for:



MAP ID: 03-01781750 PG2-SC

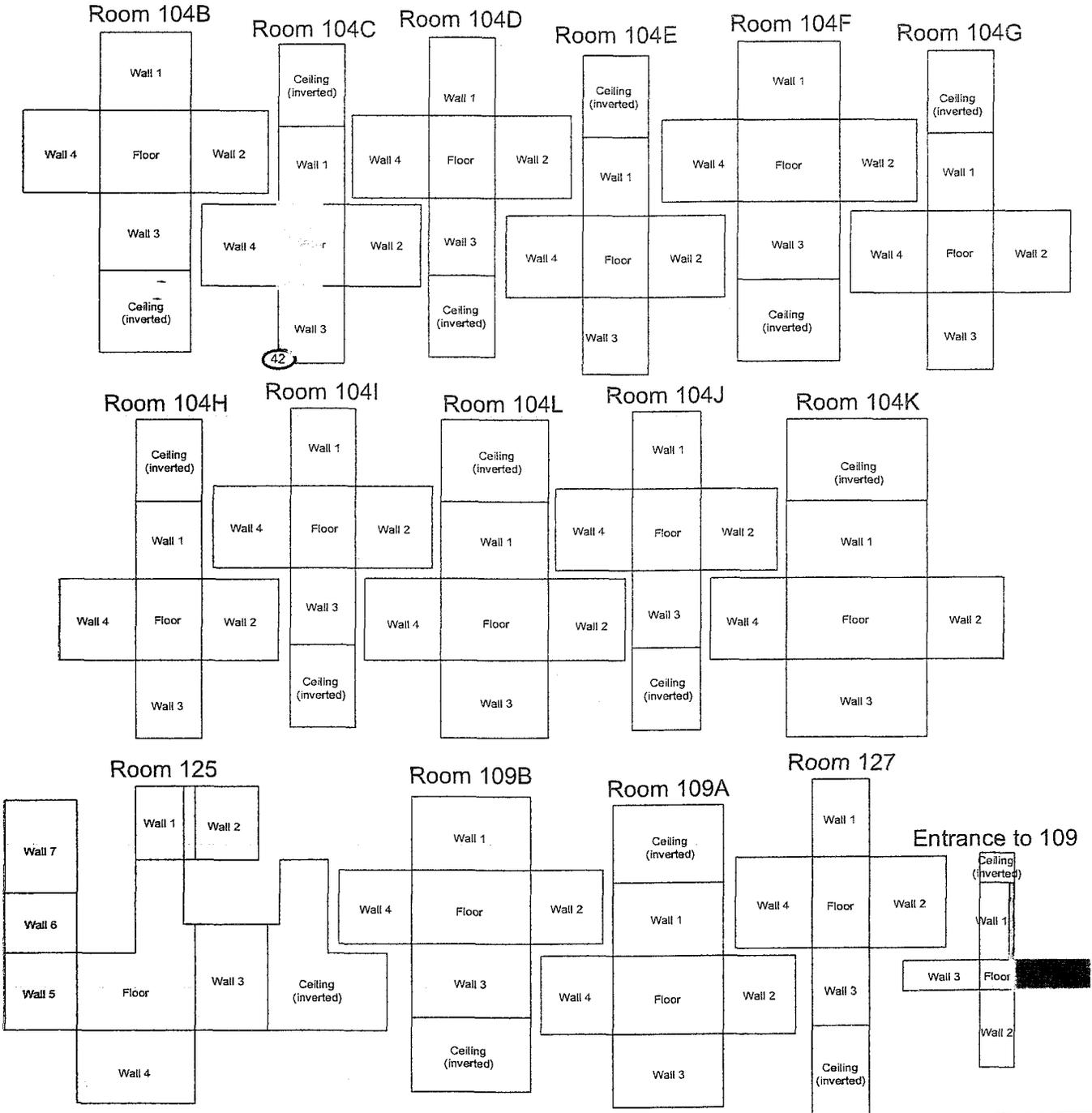
May 27, 2003

34

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 1st Floor Interior



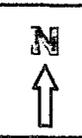
Scan Area

SURVEY MAP LEGEND

- Smear & TSA Location
- Smear, TSA & Sample Location
- Open/Inaccessible Area
- Area in Another Survey Unit

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Scan Survey Information Survey
 Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27



0 FEET 25

0 METERS 8

1 inch = 18 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707 Prepared for:

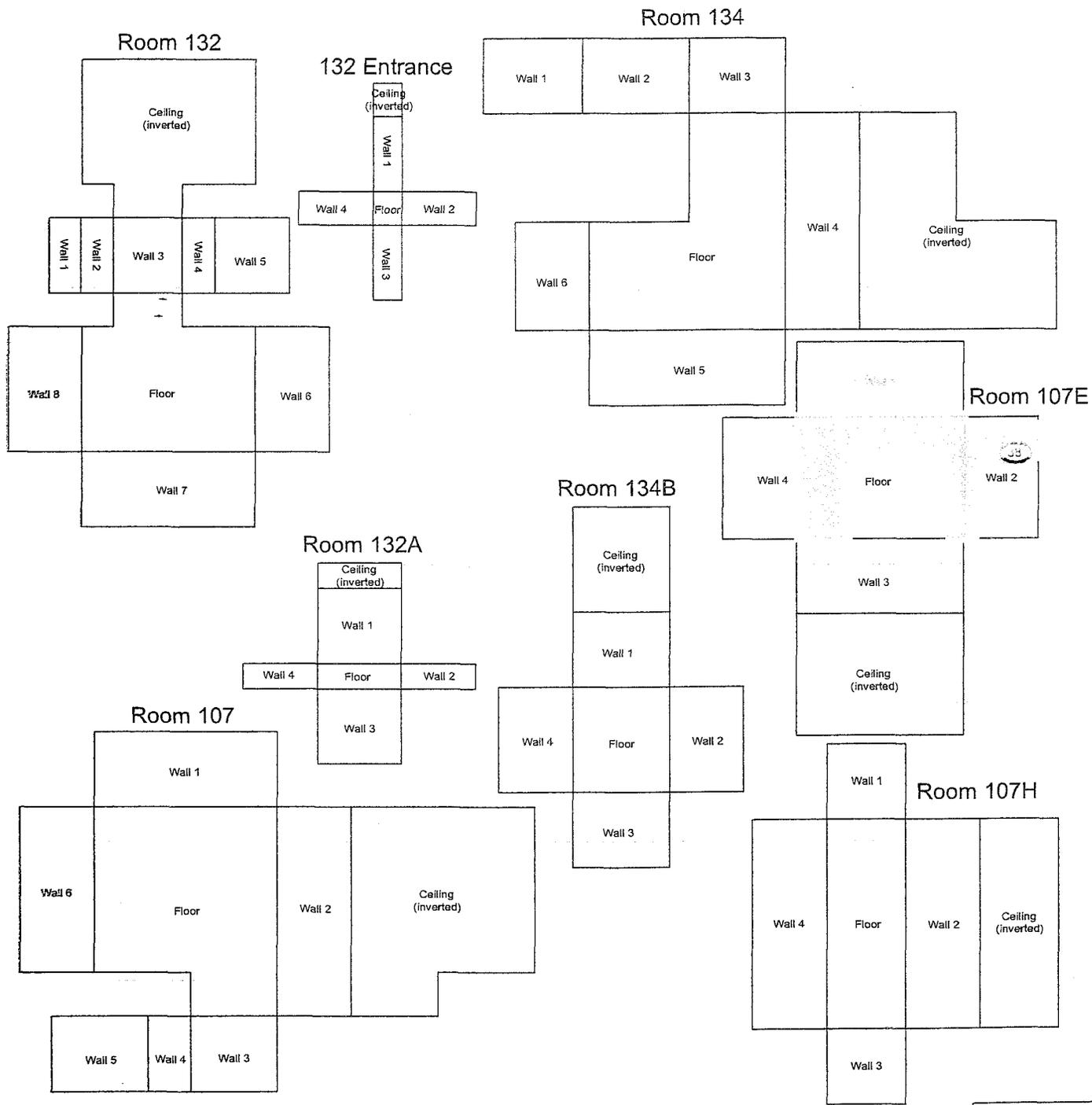
CH2MHILL
 Communications Group

MAP ID: 03-0178/750 PG3-SC May 27, 2003

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 1st Floor Interior



Scan Area

<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N ↑</p>	<p>0 FEET 25</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p>
			<p>0 METERS 8</p>	
<p>Scan Survey Information Survey Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27</p>		<p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>		

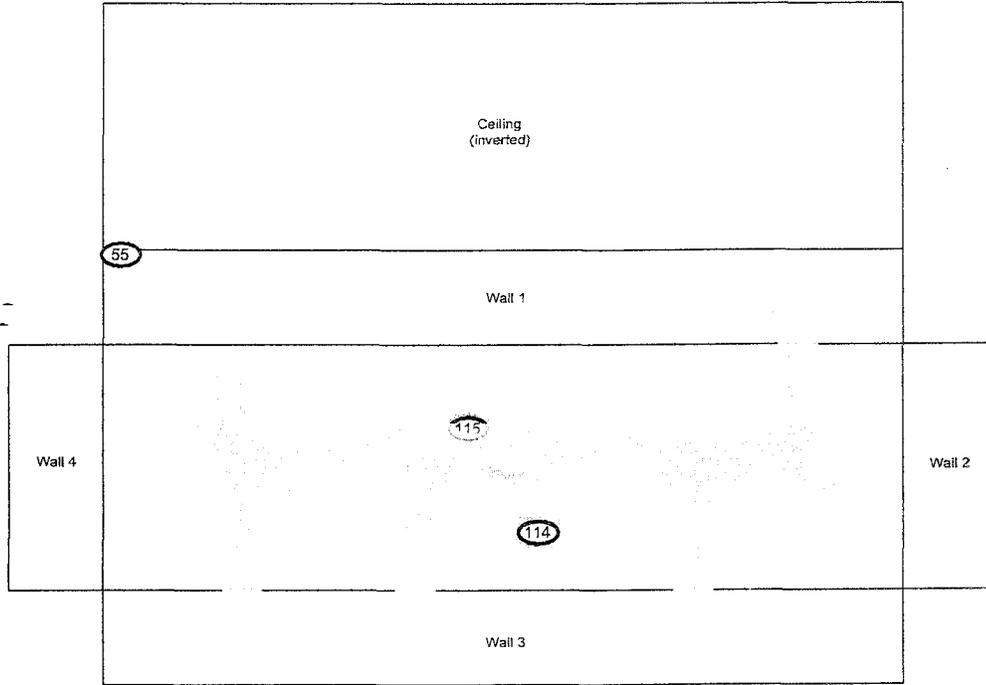
36

PRE-DEMOLITION SURVEY FOR B750

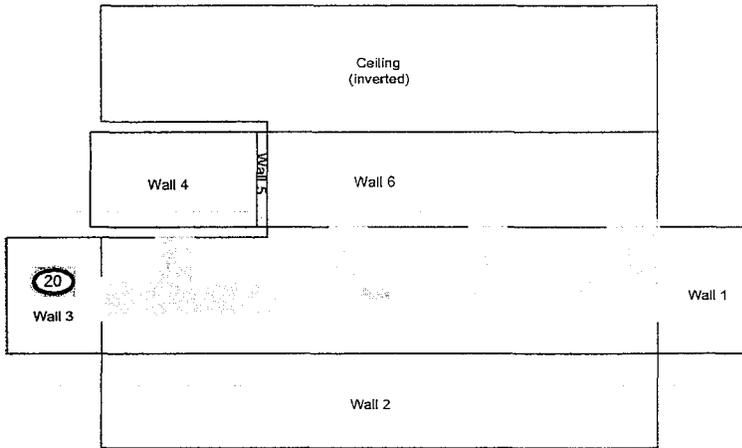
Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 1st Floor Interior

Room 124

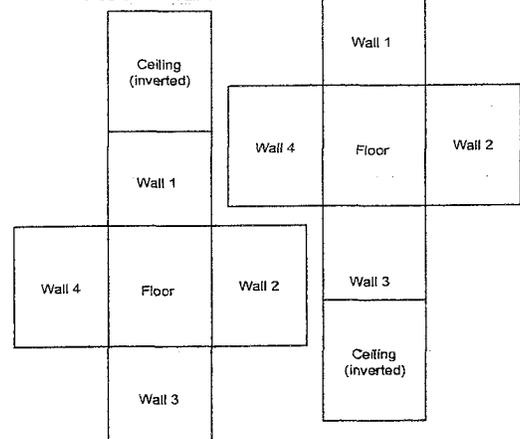


Room 128 Hallway



Room 121A

Room 121B



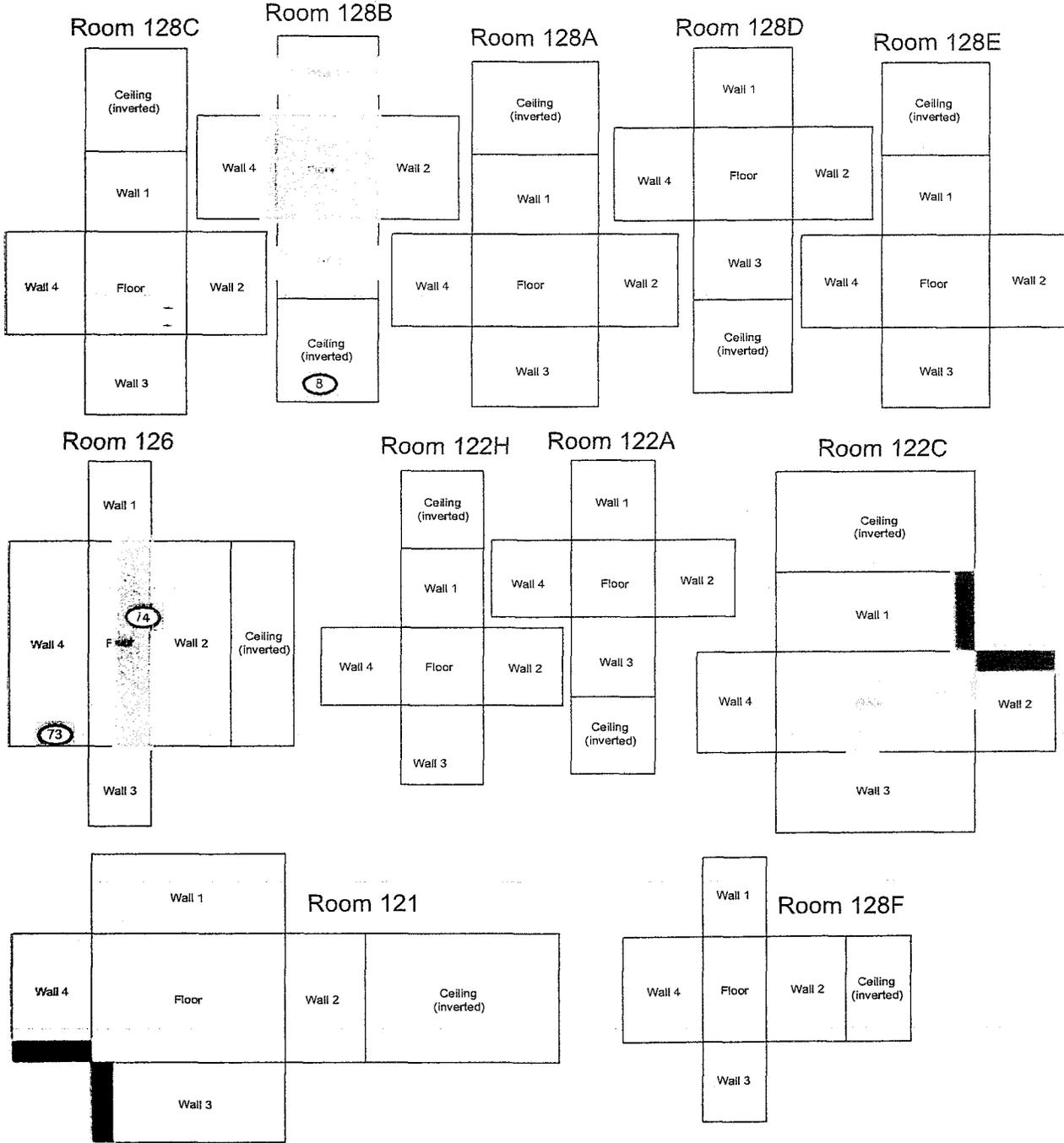
Scan Area

<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p style="text-align: center;">N ↑</p>	<p style="text-align: center;">0 FEET 25</p> <p style="text-align: center;">0 METERS 8</p> <p style="text-align: center;">1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p style="text-align: center;">U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <p style="text-align: center;">CH2M HILL Communications Group</p> <p>MAP ID: 03-01781750 PG5-SC May 27, 2003</p>
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PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 1st Floor Interior

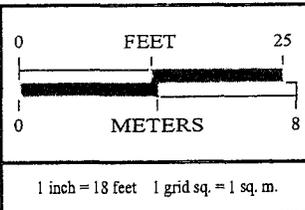
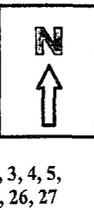


SURVEY MAP LEGEND

- Smear & TSA Location
- Smear, TSA & Sample Location
- Open/Inaccessible Area
- Area in Another Survey Unit

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Scan Survey Information Survey
 Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19 20, 25, 26, 27



Scan Area

U.S. Department of Energy
 Rocky Flats Environmental Technology Site

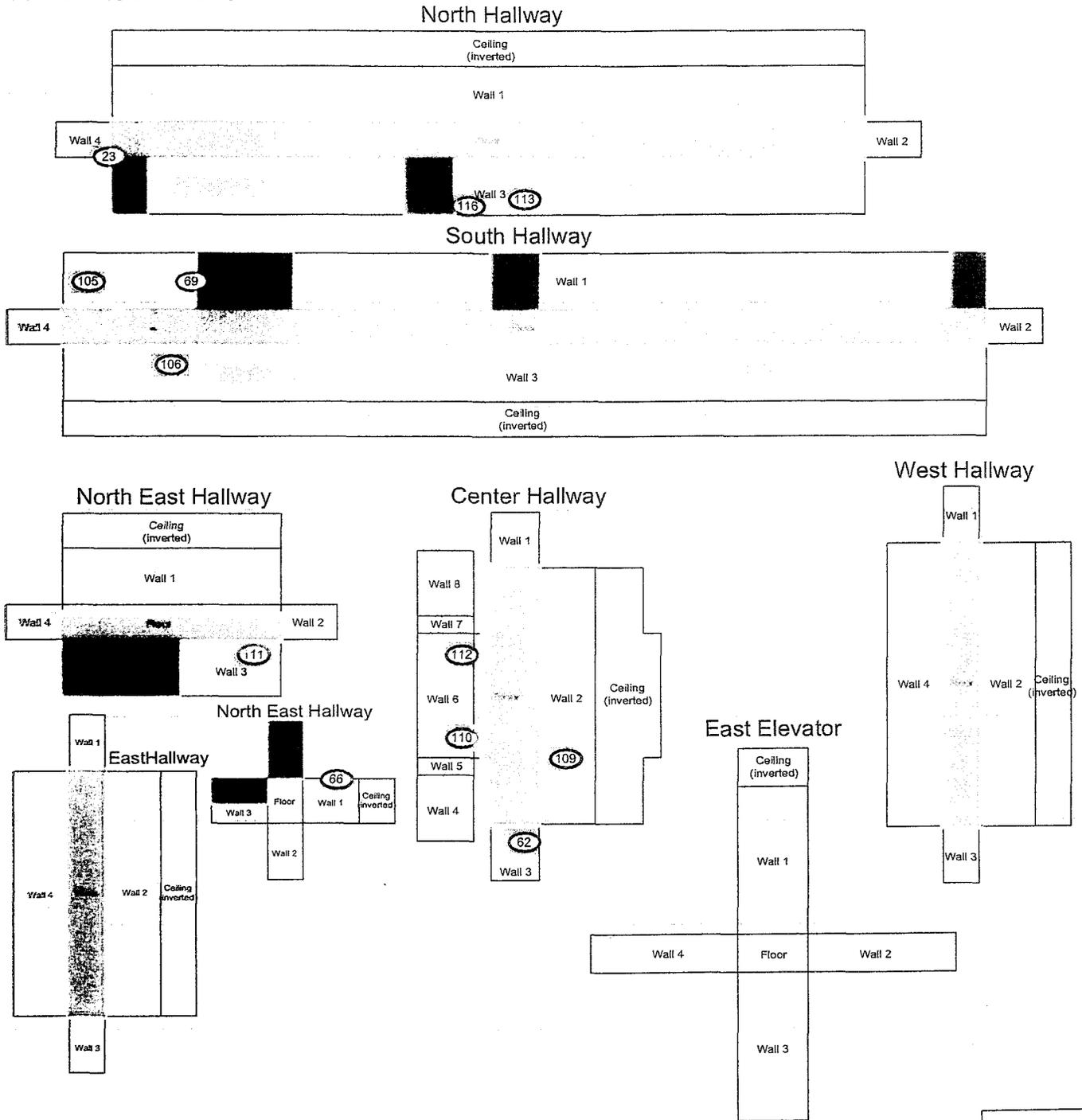
Prepared by: GIS Dept. 303-966-7707 Prepared for:

MAP ID: 03-0178\750 PG6-SC May 27, 2003

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 1st Floor Interior



SURVEY MAP LEGEND

- ⊕ Smear & TSA Location
- ⬠ Smear, TSA & Sample Location
- Open/Inaccessible Area
- Area in Another Survey Unit

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Scan Survey Information Survey
 Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27

0 FEET 30
 0 METERS 10

1 inch = 24 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707 Prepared for:

CH2MHILL
 Communications Group

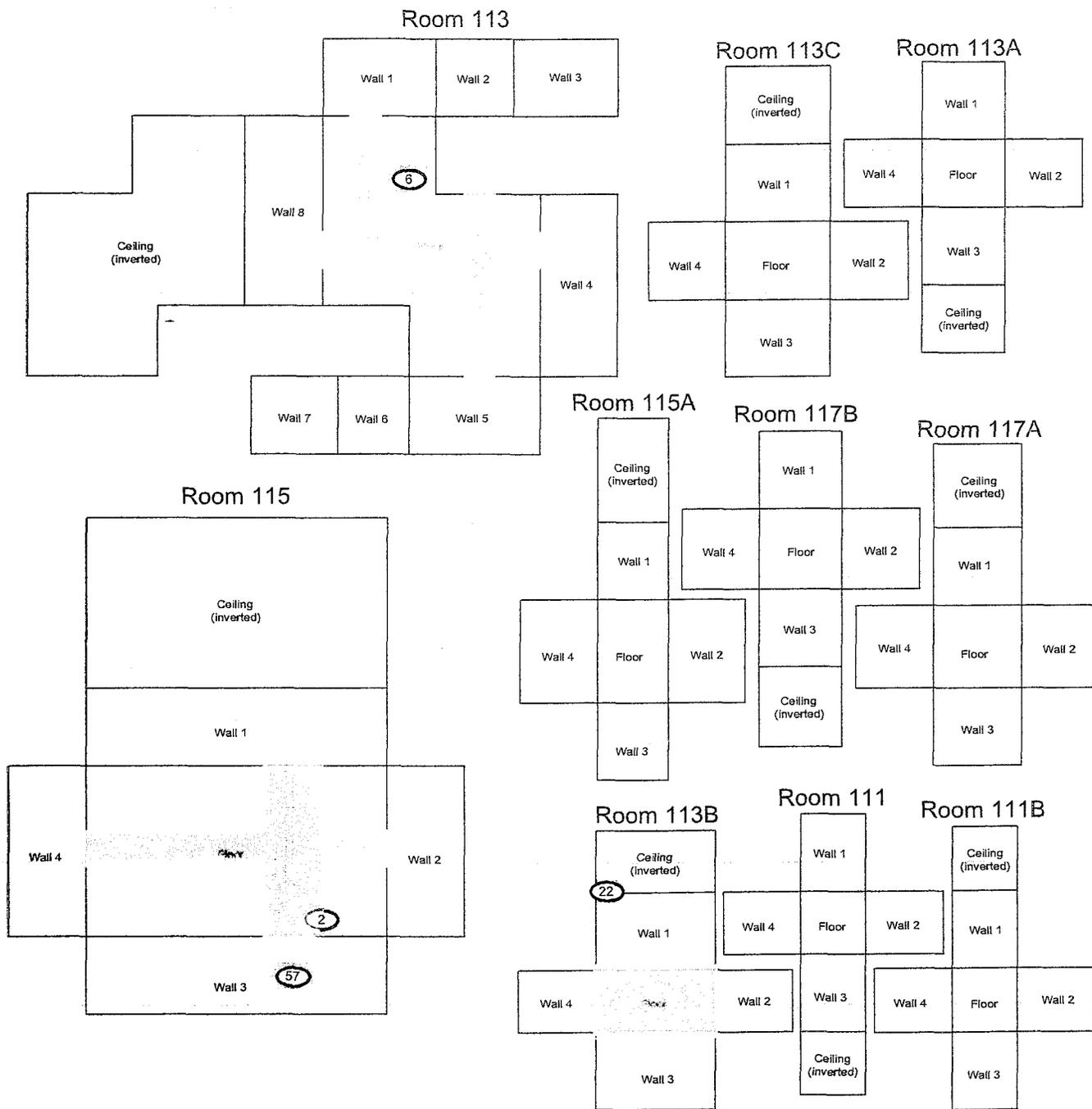
MAP ID: 03-01781750 PG7-SC May 27, 2003

39

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 1st Floor Interior



Scan Area

SURVEY MAP LEGEND

- Smear & TSA Location
- Smear, TSA & Sample Location
- Open/Inaccessible Area
- Area in Another Survey Unit

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0 FEET 25

0 METERS 8

1 inch = 18 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-968-7707 Prepared for:

CH2M HILL
 Communications Group

MAP ID: 03-01781750 PG8-SC May 27, 2003

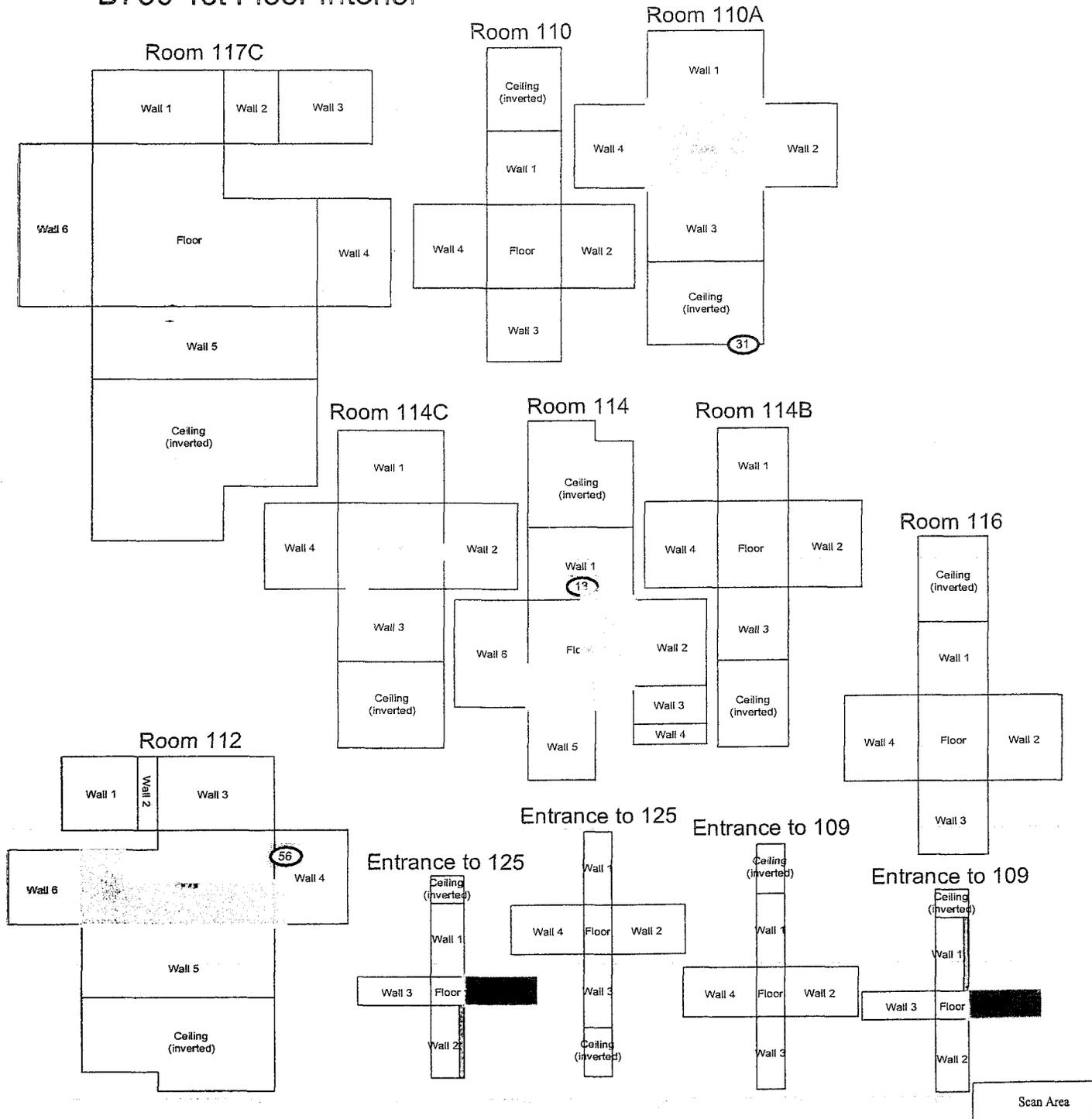
Scan Survey Information Survey
 Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27

40

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 1st Floor Interior



<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p align="center">N ↑</p>	<p align="center">0 FEET 25</p> <p align="center">0 METERS 8</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p>	
				<p>Scan Survey Information Survey Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27</p>	<p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p>
			<p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>CH2MHILL Communications Group</p>	
				<p>MAP ID: 03-01781750 PG9-SC</p>	<p>May 27, 2003</p>

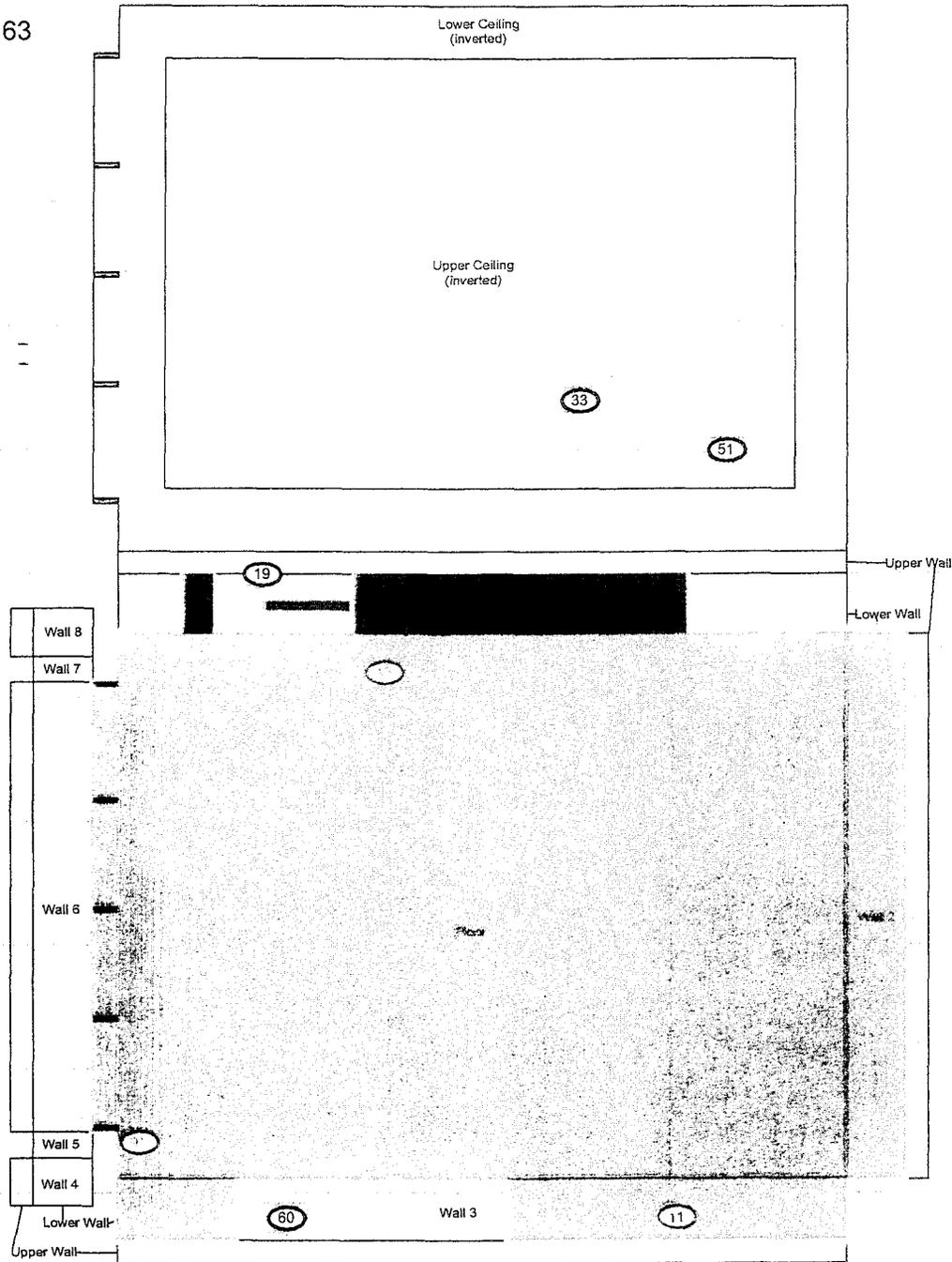
4/1

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 Cafeteria Interior

Room 163



Scan Area

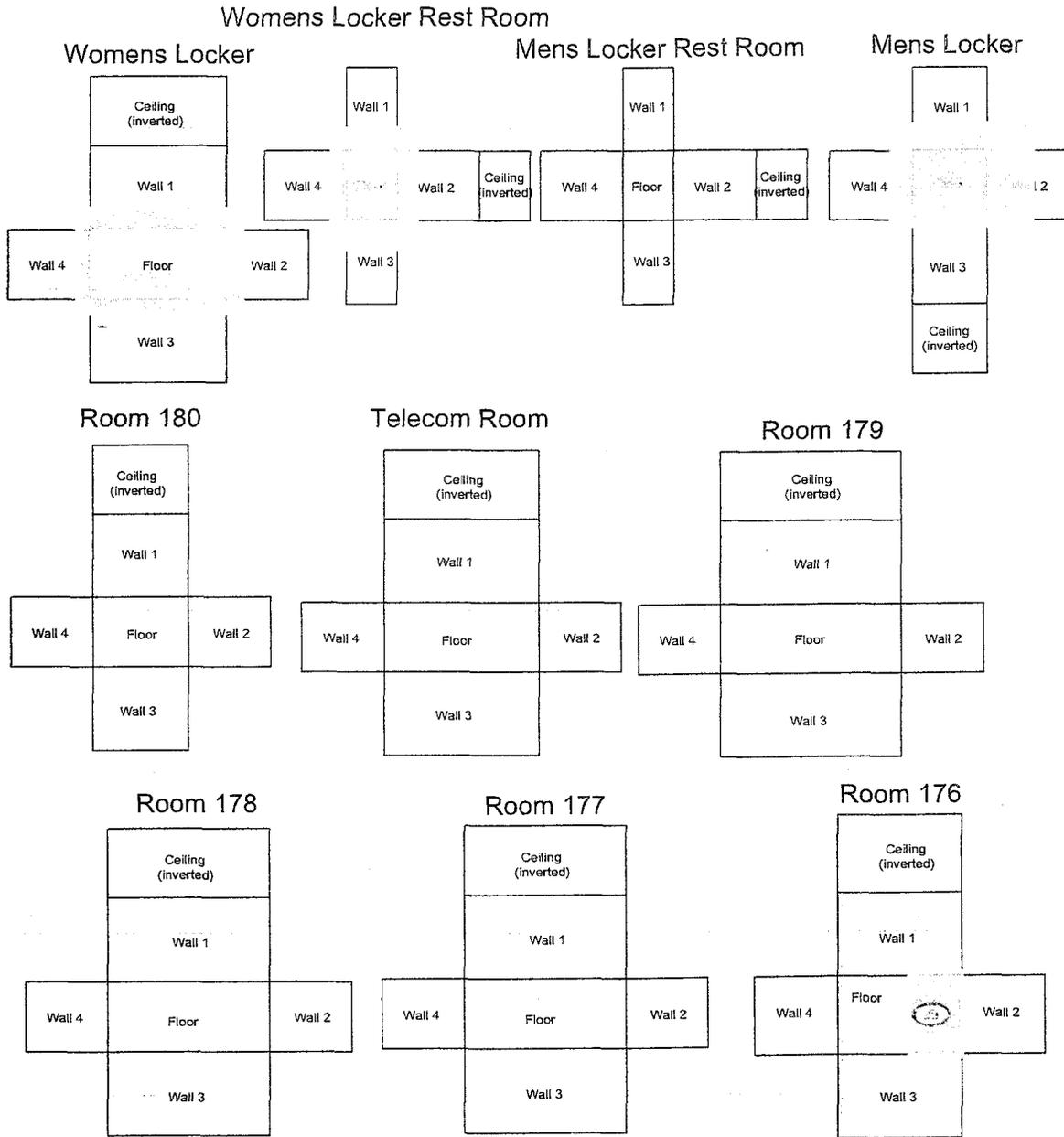
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p> <p>Scan Survey Information Survey Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27</p>	<p style="text-align: center;">N</p> <p style="text-align: center;">↑</p> <div style="text-align: center;"> <p>0 FEET 30</p> <p>0 METERS 10</p> </div> <p>1 inch = 24 feet 1 grid sq. = 1 sq. m.</p>	<p style="text-align: center;">U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-between; align-items: center;"> </div> <p>MAP ID: 03-0178750 Pg10-SC May 27, 2003</p>
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42

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 1st Floor Interior



Scan Area

<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N ↑</p>	<p>0 FEET 25 0 METERS 8</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p>
				<p>Prepared by: GIS Dept. 303-966-7707</p>

Scan Survey Information Survey
 Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27

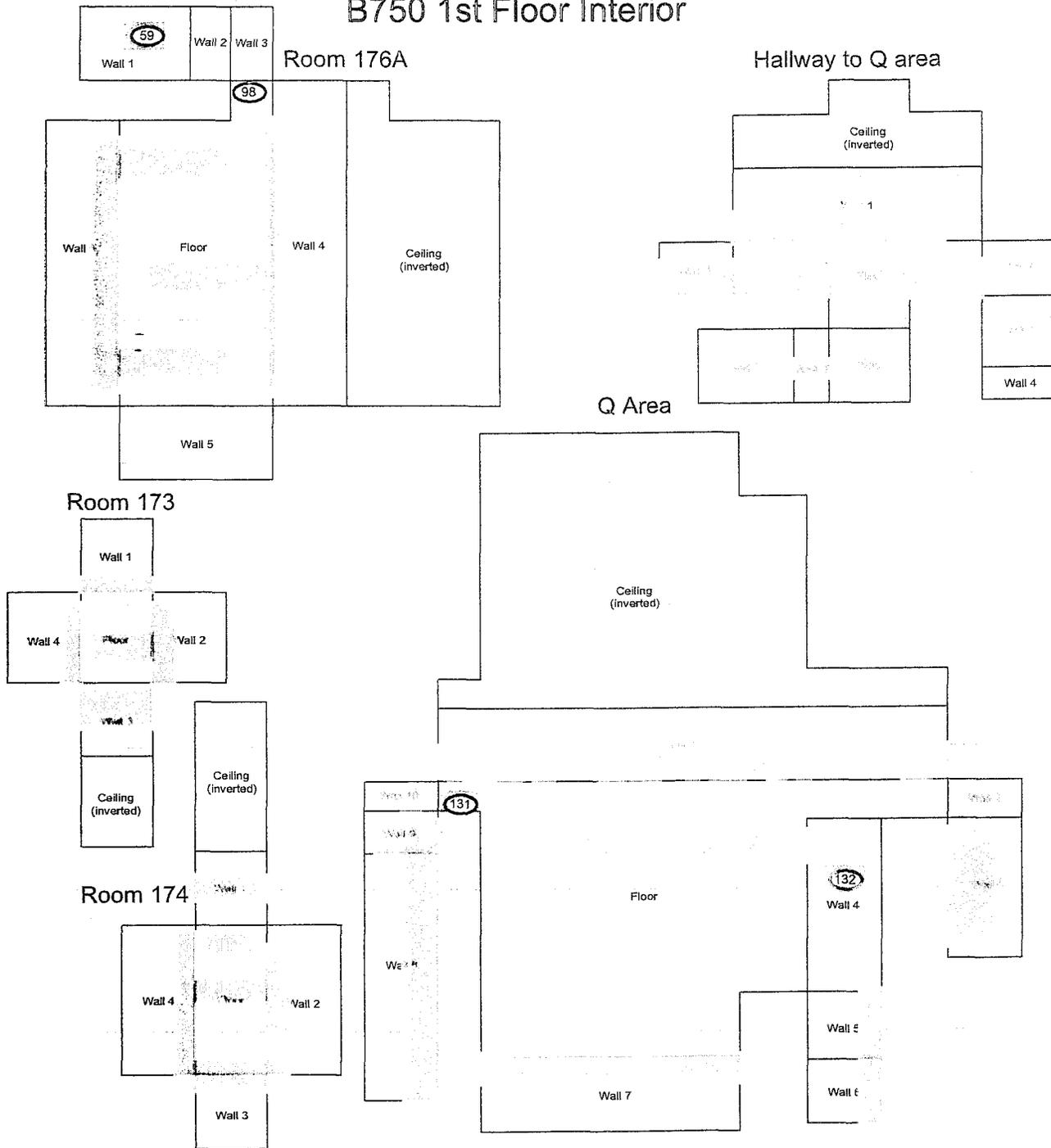
1 inch = 18 feet 1 grid sq. = 1 sq. m.

43

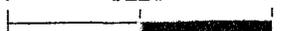
PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 1st Floor Interior



Scan Area

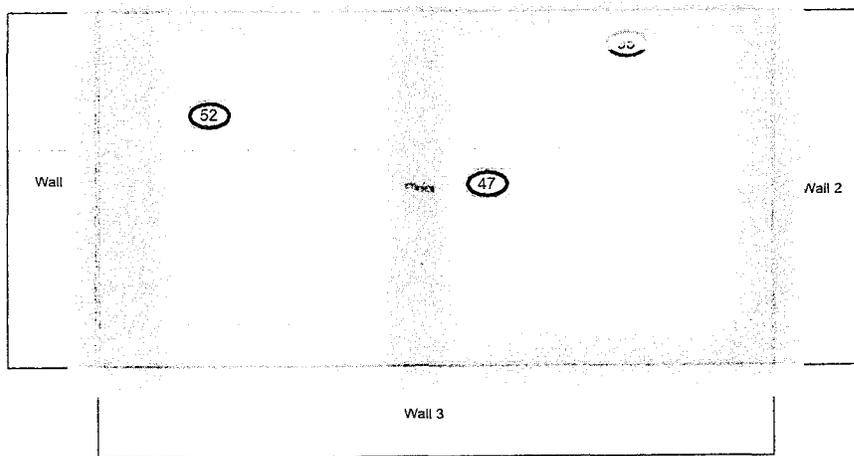
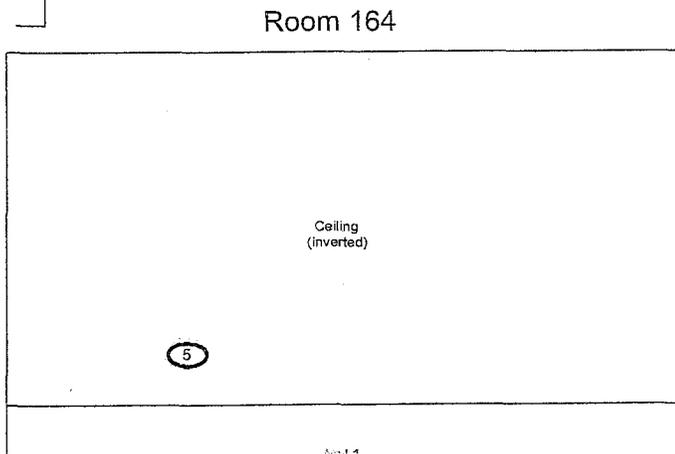
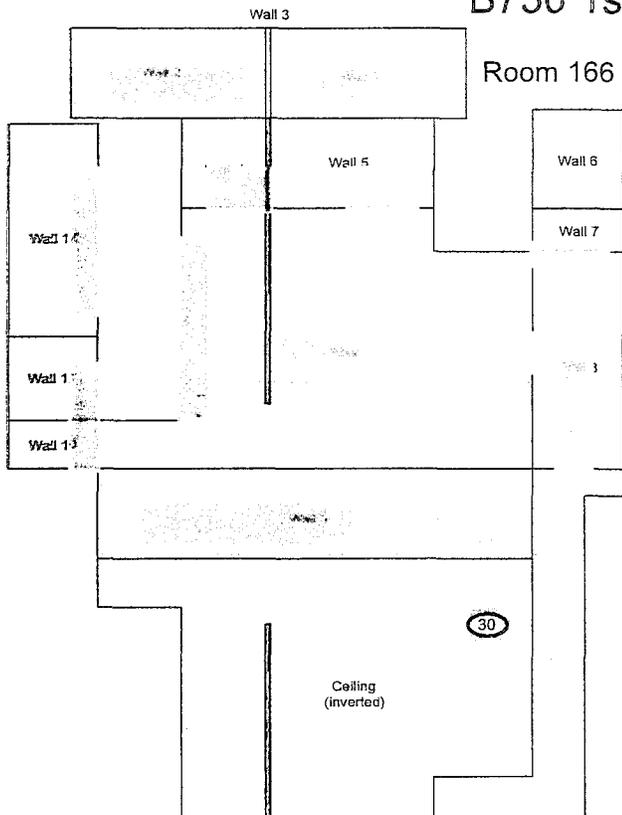
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none">  Smear & TSA Location  Smear, TSA & Sample Location  Open/Inaccessible Area  Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p> <p>Scan Survey Information Survey Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27</p>	<p style="text-align: center;">N ↑</p>	<p style="text-align: center;">0 FEET 25</p>  <p style="text-align: center;">0 METERS 8</p> <p style="text-align: center;">1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p style="text-align: center;">U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <p style="text-align: center;">CH2.MHILL Communications Group</p> <p>MAP ID: 03-01781750 PG12-SC May 27, 2003</p>
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44

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 1st Floor Interior

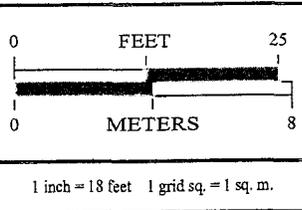
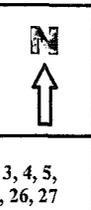


SURVEY MAP LEGEND

- Smear & TSA Location
- Smear, TSA & Sample Location
- Open/Inaccessible Area
- Area in Another Survey Unit

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Scan Survey Information Survey
 Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27



U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707 Prepared for:

CH2MHILL
 Communications Group

MAP ID: 03-0178750 PG13-SC May 27, 2003

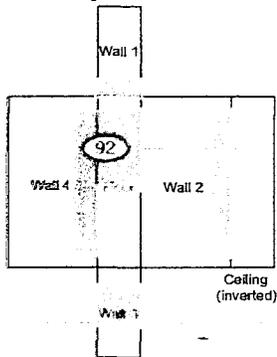
45

PRE-DEMOLITION SURVEY FOR B750

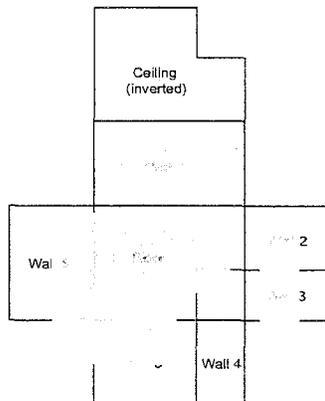
Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 1st Floor Interior

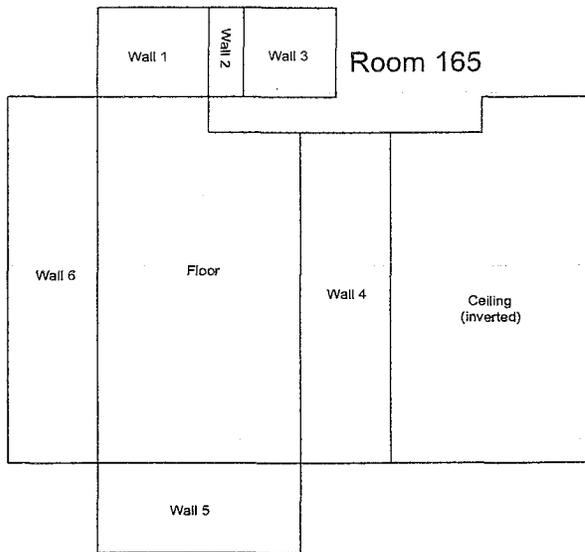
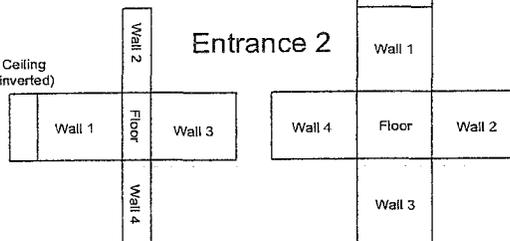
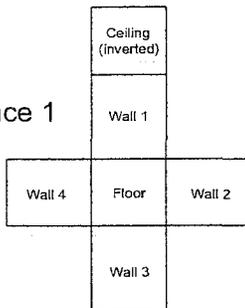
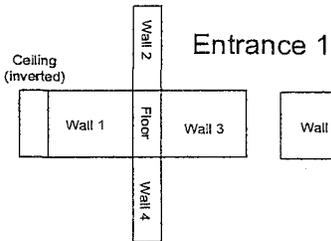
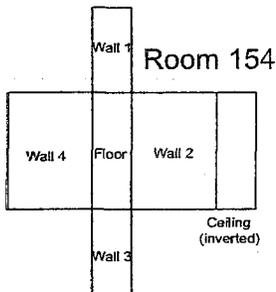
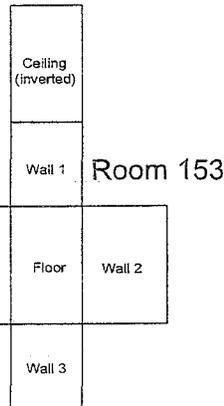
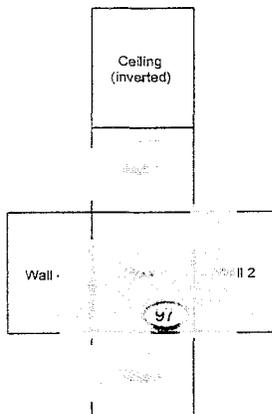
Hallway to Restrooms



Room 155



Room 156



SURVEY MAP LEGEND

- Smear & TSA Location
- Smear, TSA & Sample Location
- Open/Inaccessible Area
- Area in Another Survey Unit

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Scan Survey Information Survey
 Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27

N
↑

0 FEET 25

 0 METERS 8

1 inch = 18 feet 1 grid sq. = 1 sq. m.

Scan Area

U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707 Prepared for:

CH2.WHILL
 Communications Group

Kaiser Hill

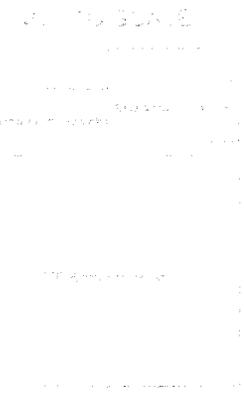
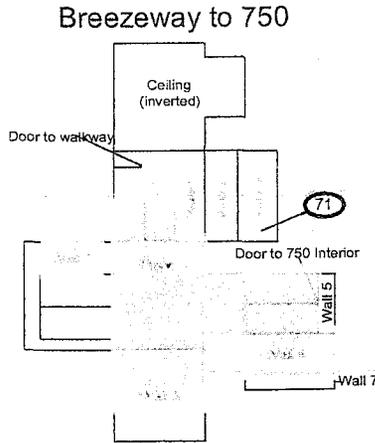
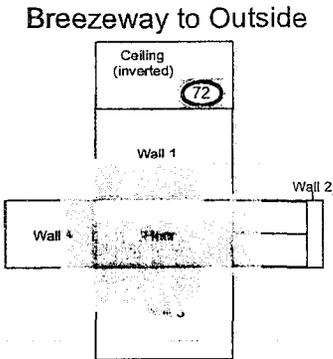
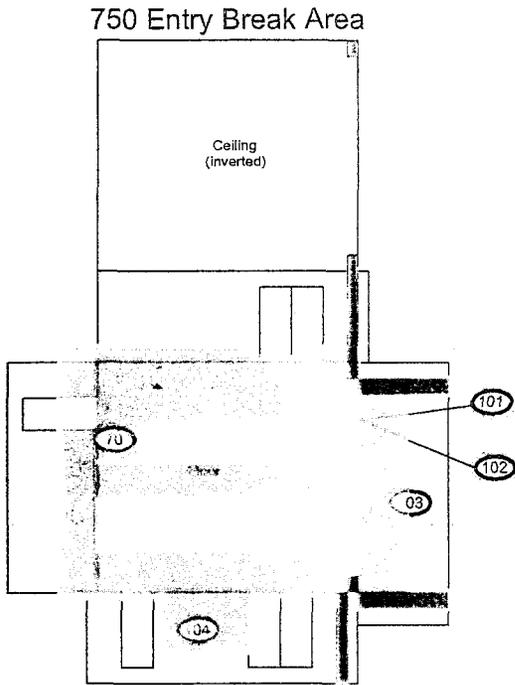
MAP ID: 03-0178\750 PG14-SC May 27, 2003

46

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

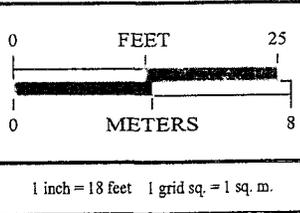
B750 1st Floor Interior



SURVEY MAP LEGEND	
	Smear & TSA Location
	Smear, TSA & Sample Location
	Open/Inaccessible Area
	Area in Another Survey Unit

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Scan Survey Information Survey
 Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27



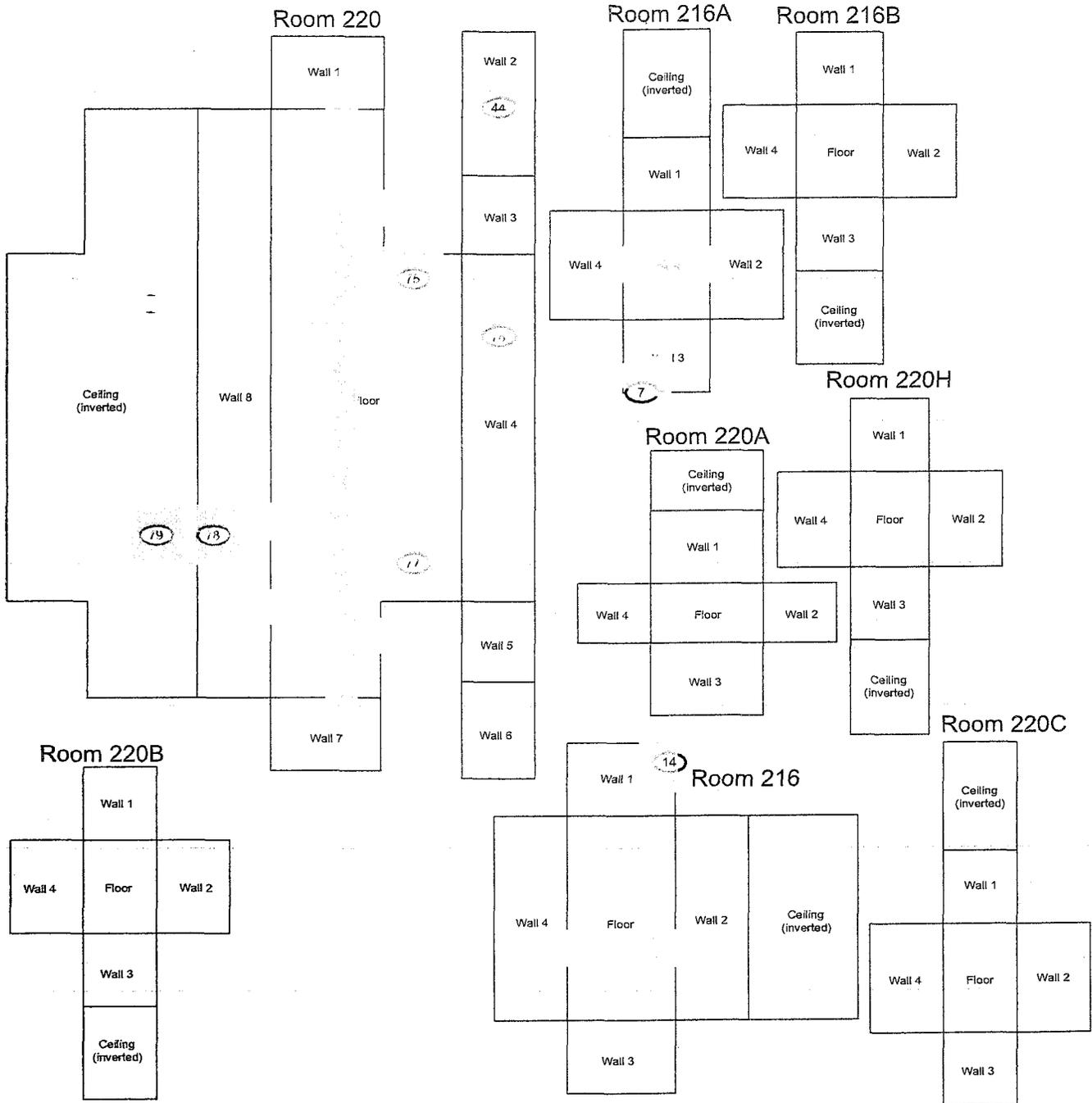
U.S. Department of Energy Rocky Flats Environmental Technology Site	
Prepared by: GIS Dept. 303-966-7707	Prepared for:
CH2MHILL Communications Group	
MAP ID: 03-0178\750 PG15-SC	May 27, 2003

47

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 2nd Floor Interior



Scan Area

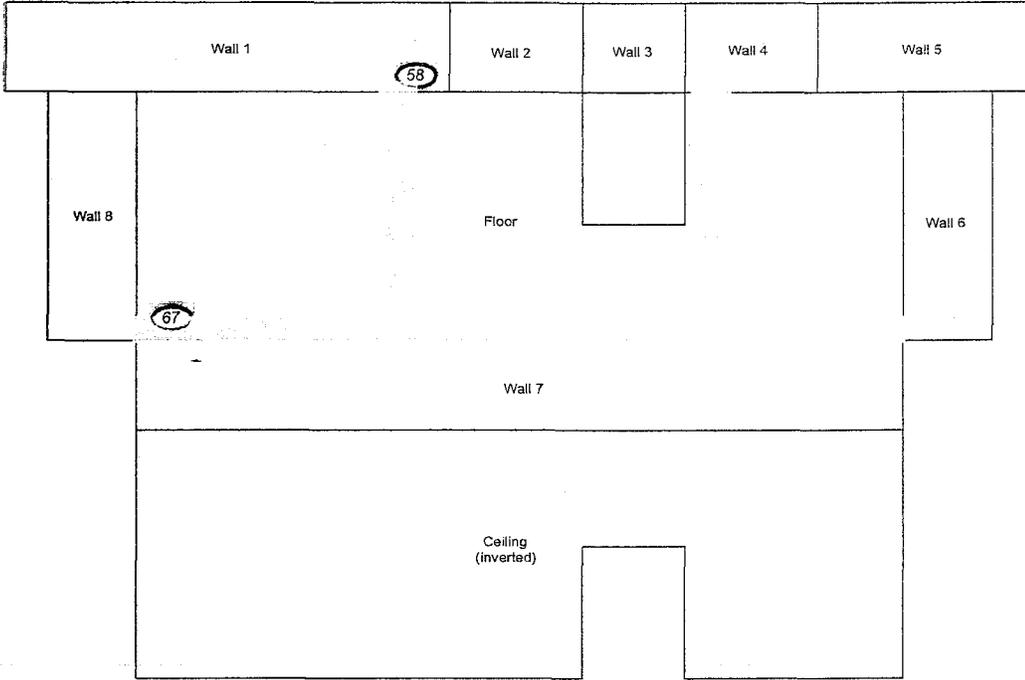
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynaCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p> <p>Scan Survey Information Survey Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27</p>	<p style="text-align: center;">N ↑</p>	<p style="text-align: center;">0 FEET 25</p> <p style="text-align: center;">0 METERS 8</p> <p style="text-align: center;">1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p style="text-align: center;">U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <p style="text-align: center;">CH2MHILL Communications Group</p> <p>MAP ID: 03-0178\750 PG16-SC May 28, 2003</p>
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4/8

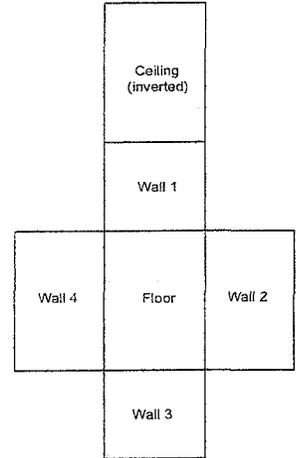
PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

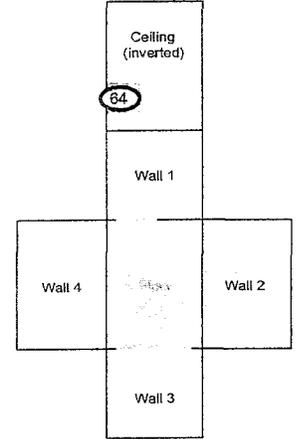
B750 2nd Floor Interior
 Room 214



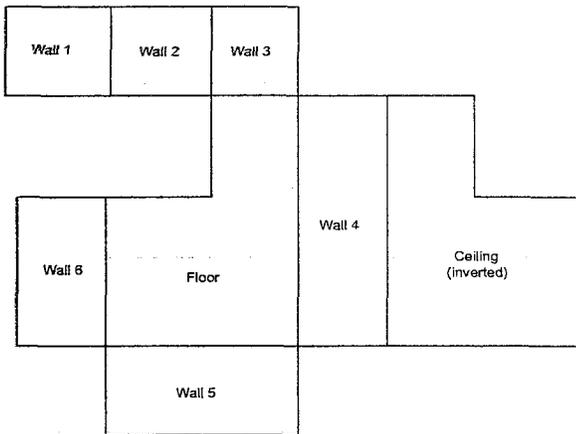
Room 212B



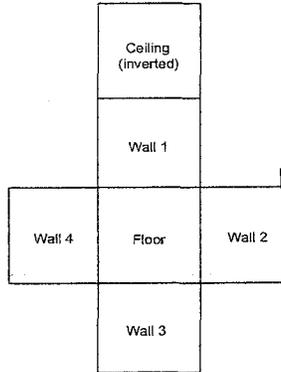
Room 214A



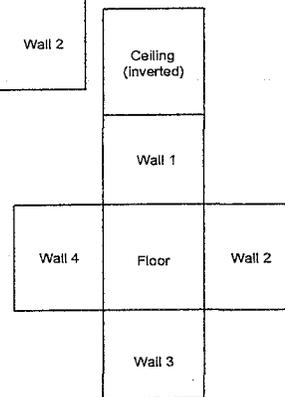
Room 212



Room 212C



Room 212A

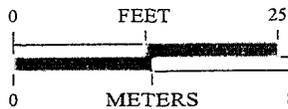


Scan Area

SURVEY MAP LEGEND

- Smear & TSA Location
- Smear, TSA & Sample Location
- Open/Inaccessible Area
- Area in Another Survey Unit

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1 inch = 18 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707

Prepared for:

CH2MHILL
 Communications Group



MAP ID: 03-01781750 PG17-SC

May 28, 2003

49

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 2nd Floor Interior

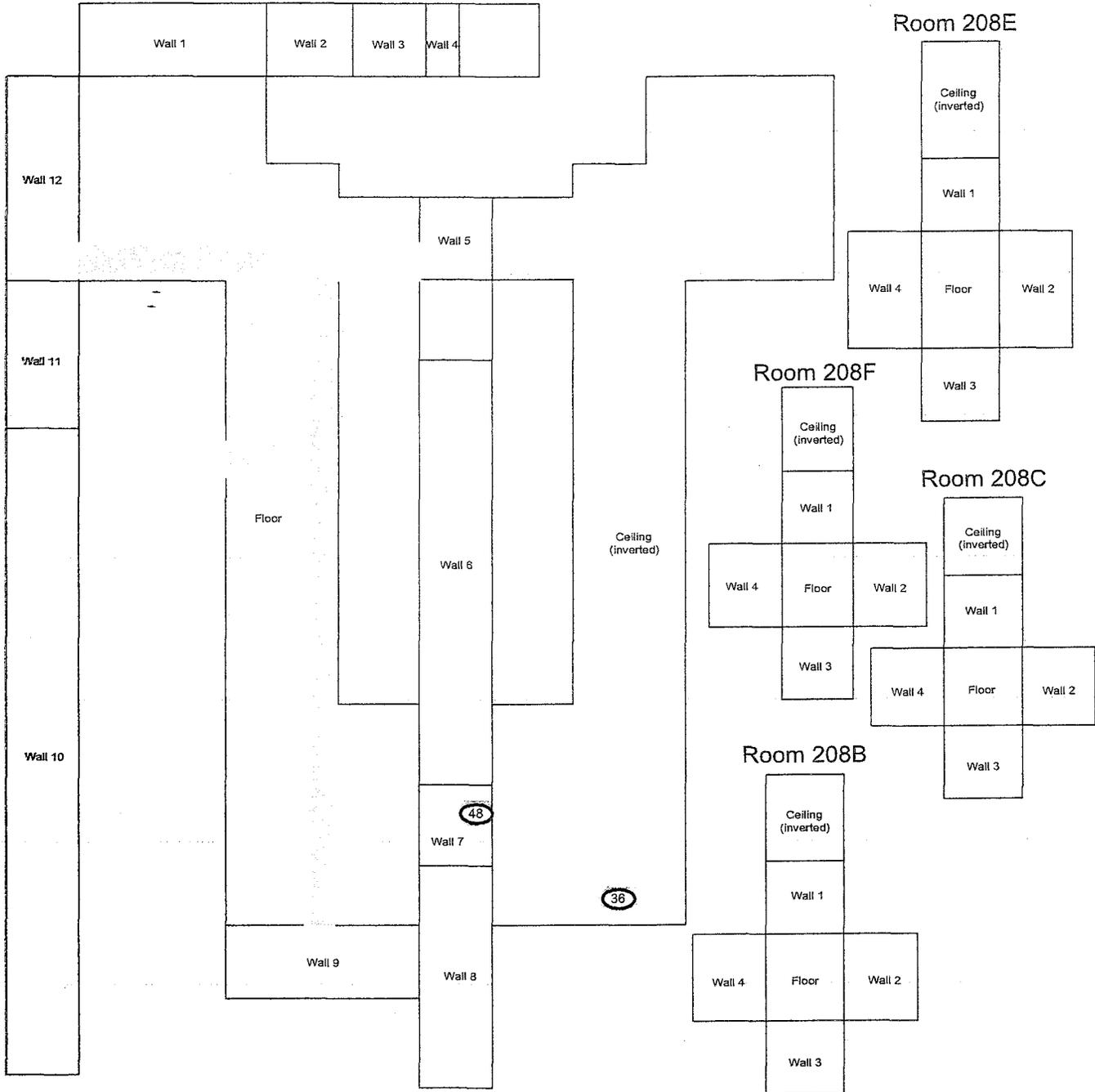
Room 208

Room 208E

Room 208F

Room 208C

Room 208B



Scan Area

<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p> <p>Scan Survey Information Survey Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27</p>	<p style="text-align: center;">N</p> <div style="text-align: center;"> <p>0 FEET 25</p> <p>0 METERS 8</p> </div> <p style="text-align: center;">1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p style="text-align: center;">U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p style="text-align: center;">MAP ID: 03-01381750 PG18-SC May 28, 2003</p>
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50

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 2nd Floor Interior



Scan Area

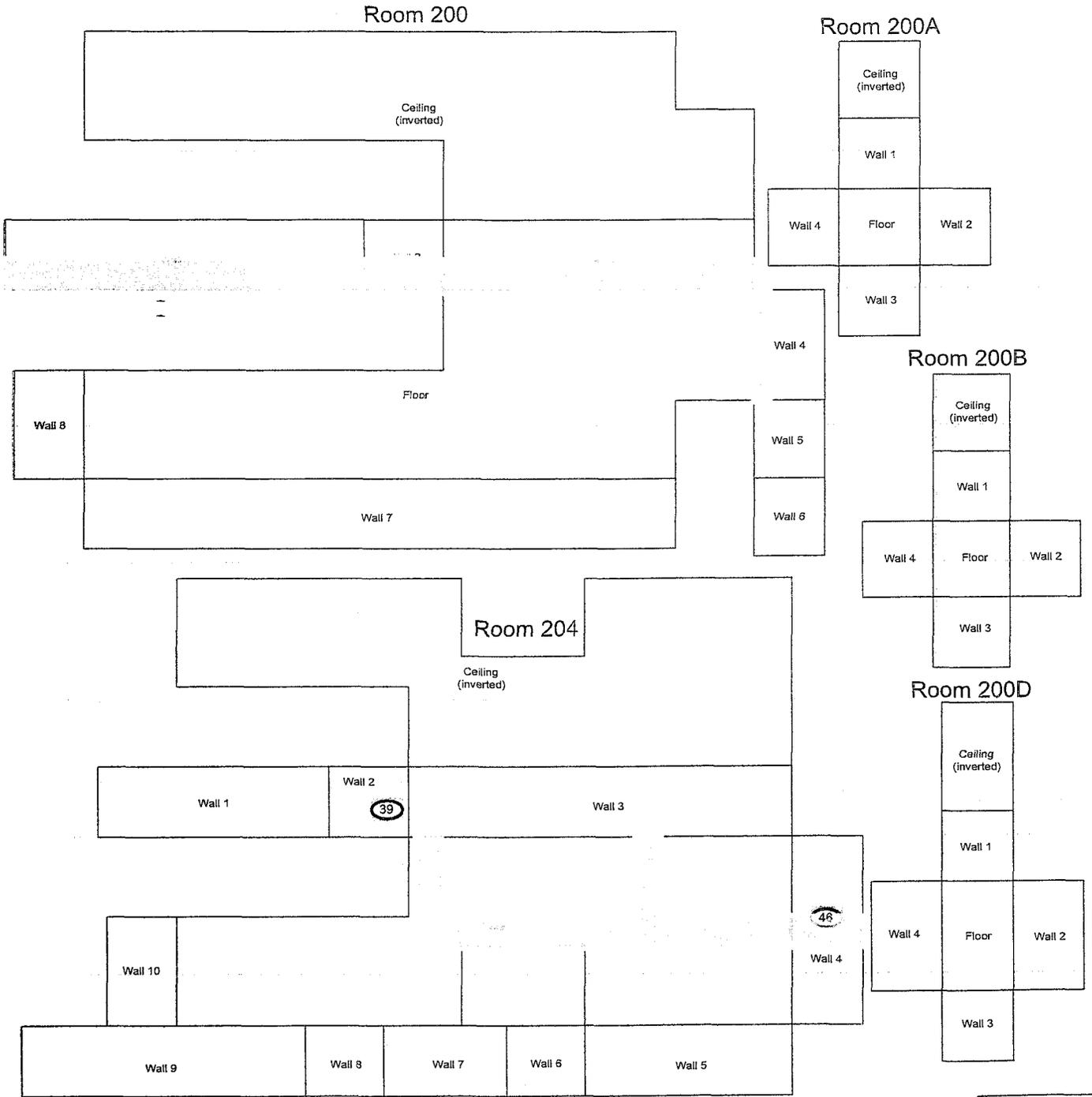
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p></p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <p> CH2MHILL Communications Group</p> <p> KAISER HILL</p> <p>MAP ID: 03-01781750 PG19-SC May 28, 2003</p>
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57

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 2nd Floor Interior



Scan Area

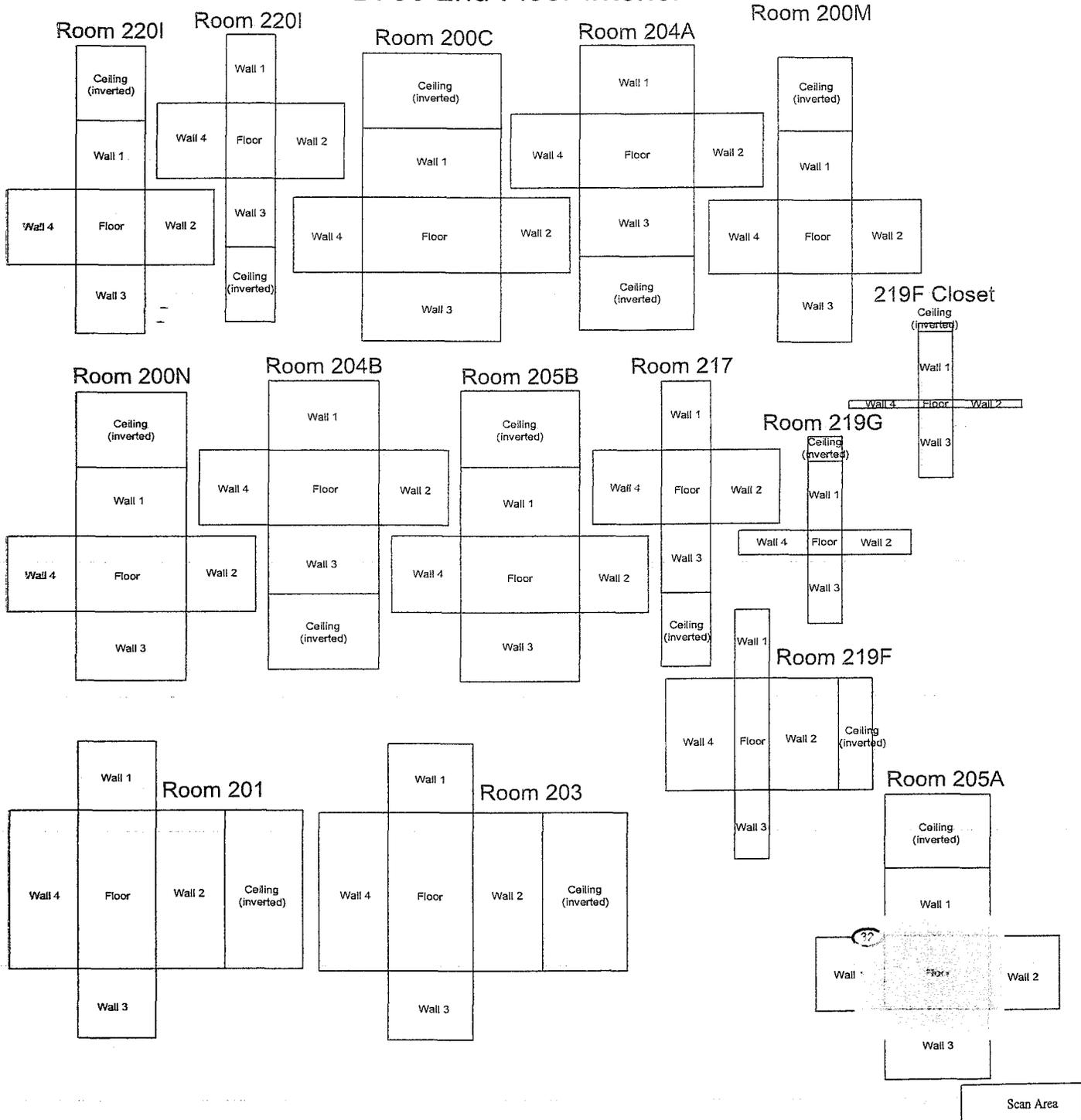
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DyuCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p style="text-align: center;">N ↑</p>	<p style="text-align: center;">0 FBET 25</p> <p style="text-align: center;">0 METERS 8</p> <p style="text-align: center;">1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p style="text-align: center;">U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="text-align: center;"> <p>CH2MHILL Communications Group</p> </div> <p>MAP ID: 03-0178\750 PG20-SC May 28, 2003</p>
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52

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 2nd Floor Interior



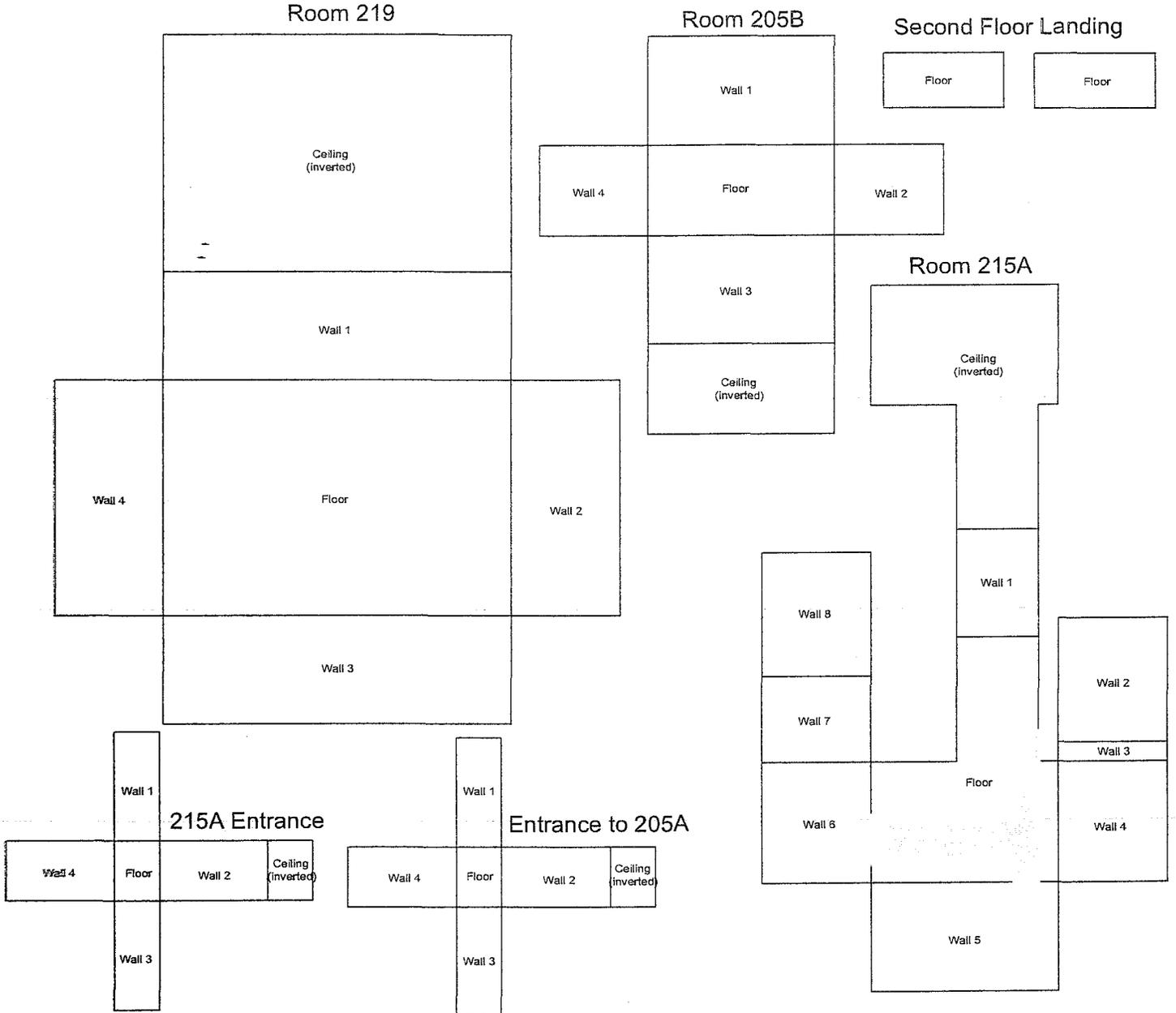
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p style="text-align: center;">N ↑</p>	<p style="text-align: center;">0 FEET 25</p> <p style="text-align: center;">0 METERS 8</p> <p style="text-align: center;">1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p style="text-align: center;">U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <p style="text-align: center;">CH2MHILL Communications Group</p> <p style="text-align: right;">Kaiser Hill</p> <p>MAP ID: 03-0178/750 PG21-SC May 28, 2003</p>
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53

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 2nd Floor Interior

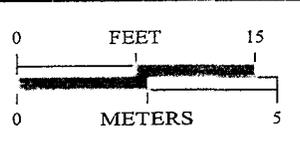


Scan Area

SURVEY MAP LEGEND

- Smear & TSA Location
- Smear, TSA & Sample Location
- Open/Inaccessible Area
- Area in Another Survey Unit

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1 inch = 12 feet 1 grid sq. = 1 sq. m.

Scan Survey Information Survey
 Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27

U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707

Prepared for:



MAP ID: 03-0178\750 PG22-SC

May 28, 2003

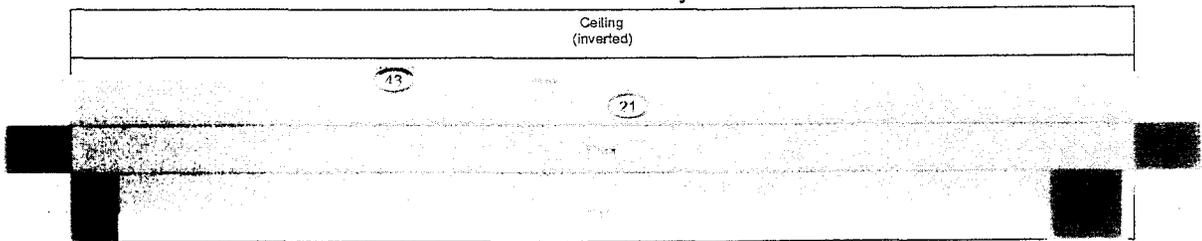
54

PRE-DEMOLITION SURVEY FOR B750

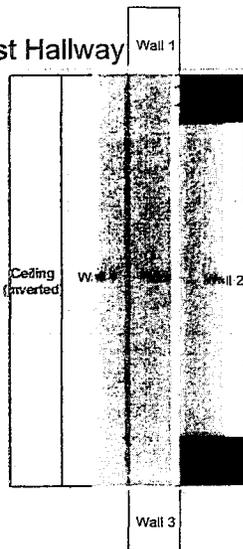
Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 2nd Floor Interior

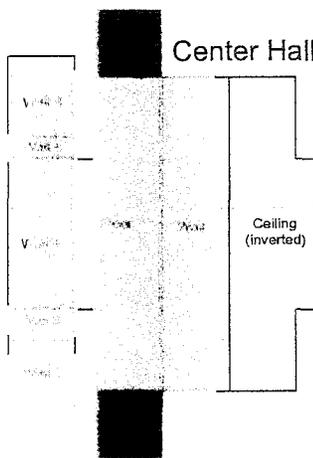
North Hallway



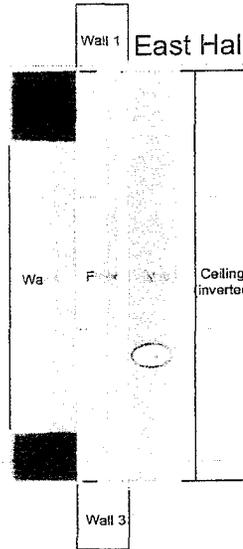
West Hallway



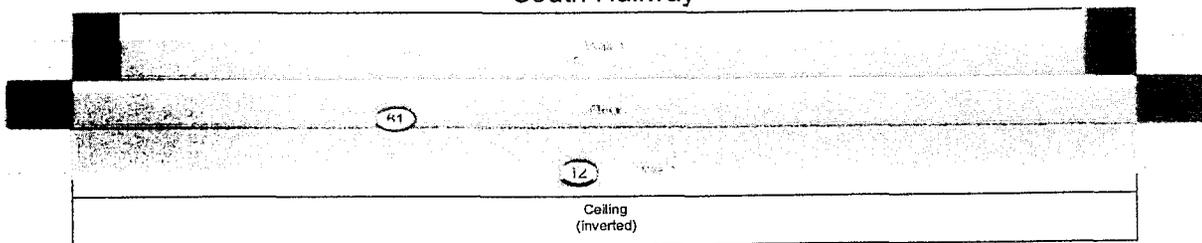
Center Hallway



East Hallway



South Hallway

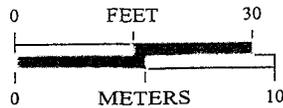


Scan Area

SURVEY MAP LEGEND

- Smear & TSA Location
- Smear, TSA & Sample Location
- Open/Inaccessible Area
- Area in Another Survey Unit

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Scan Survey Information Survey
 Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27

1 inch = 24 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707

Prepared for:

CH2MHILL
 Communications Group



MAP ID: 03-0178\750 PG23-SC

May 28, 2003

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 Roof Exterior



Scan Area

SURVEY MAP LEGEND	Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.			U.S. Department of Energy Rocky Flats Environmental Technology Site
<ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	Scan Survey Information Survey Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27	1 inch = 36 feet 1 grid sq. = 1 sq. m.	Prepared by: GIS Dept. 303-968-7707 Prepared for:	
			MAP ID: 03-01781750 PG24-SC	May 28, 2003

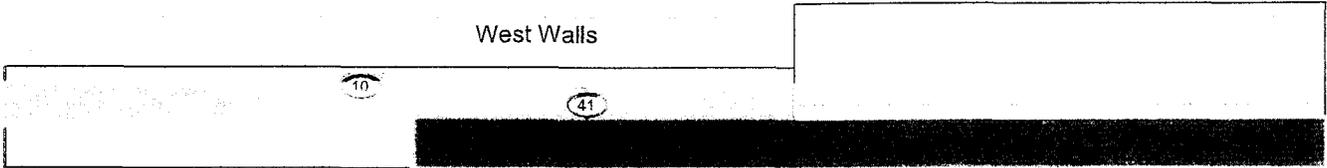
56

PRE-DEMOLITION SURVEY FOR B750

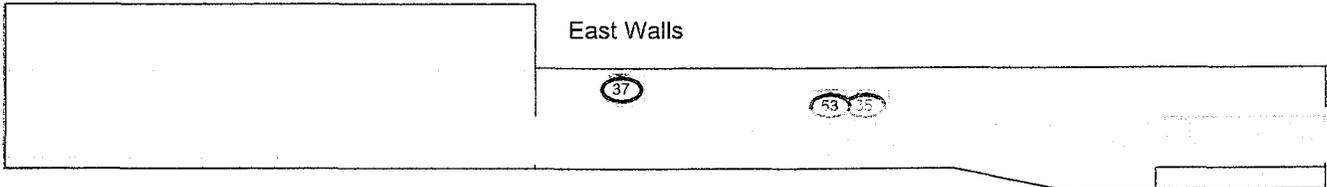
Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 Exterior

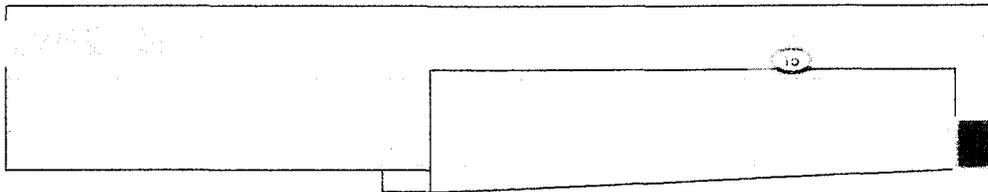
West Walls



East Walls



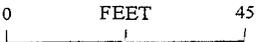
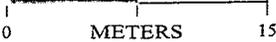
North Walls



South Wall



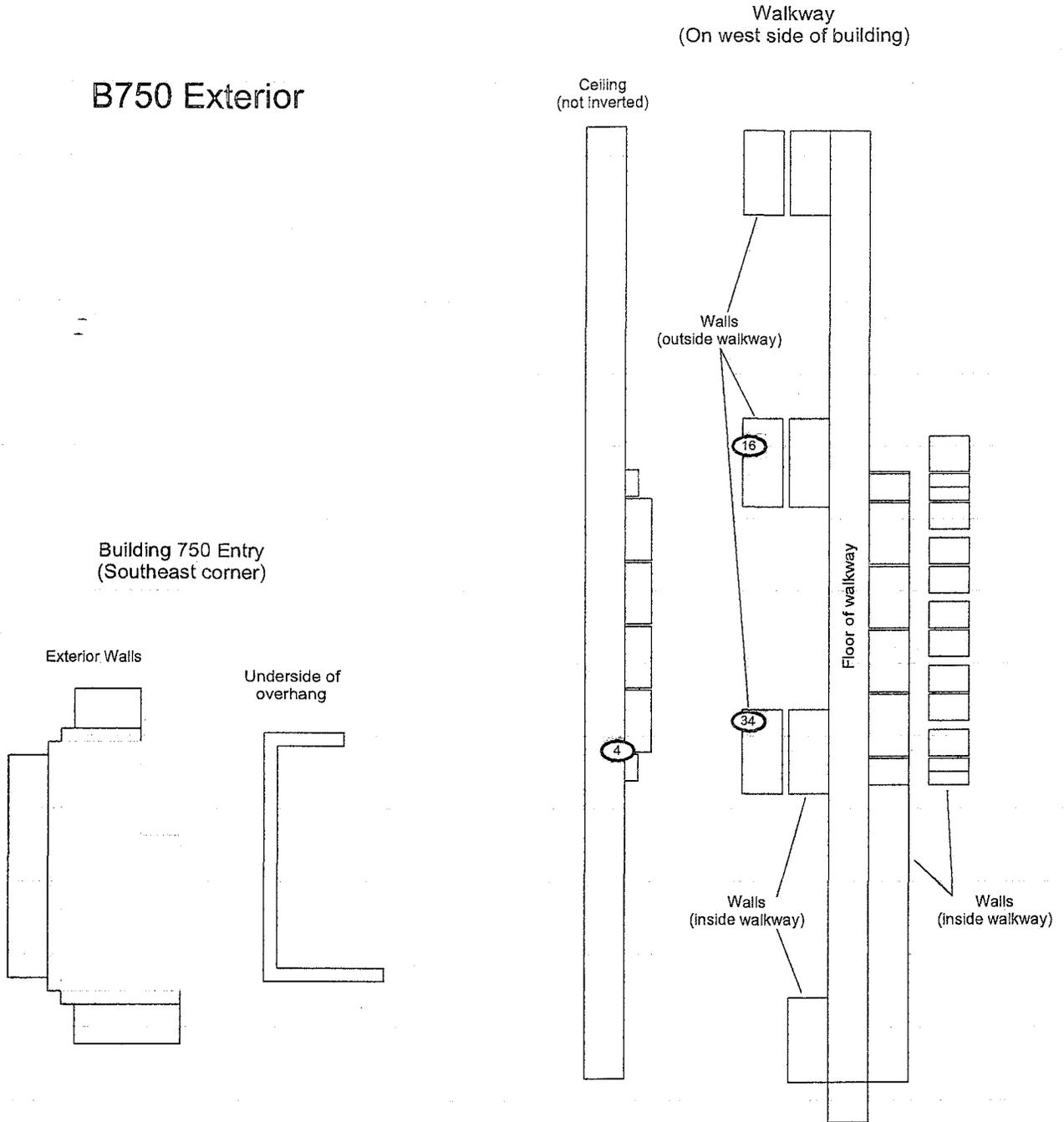
Scan Area

<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none">  Smear & TSA Location  Smear, TSA & Sample Location  Open/Inaccessible Area  Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p style="text-align: center;">N ↑</p>	<p style="text-align: center;">0 FEET 45</p> 	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p>	
			<p style="text-align: center;">0 METERS 15</p> 	<p>Prepared by: GIS Dept. 303-966-7707</p>	<p>Prepared for:</p> 
<p>Scan Survey Information Survey Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27</p>			<p>1 inch = 36 feet 1 grid sq. = 1 sq. m.</p>		<p style="text-align: center;">CH2MHILL Communications Group</p>
				<p>MAP ID: 03-0178\750 PG25-SC</p>	<p>May 28, 2003</p>

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 Exterior



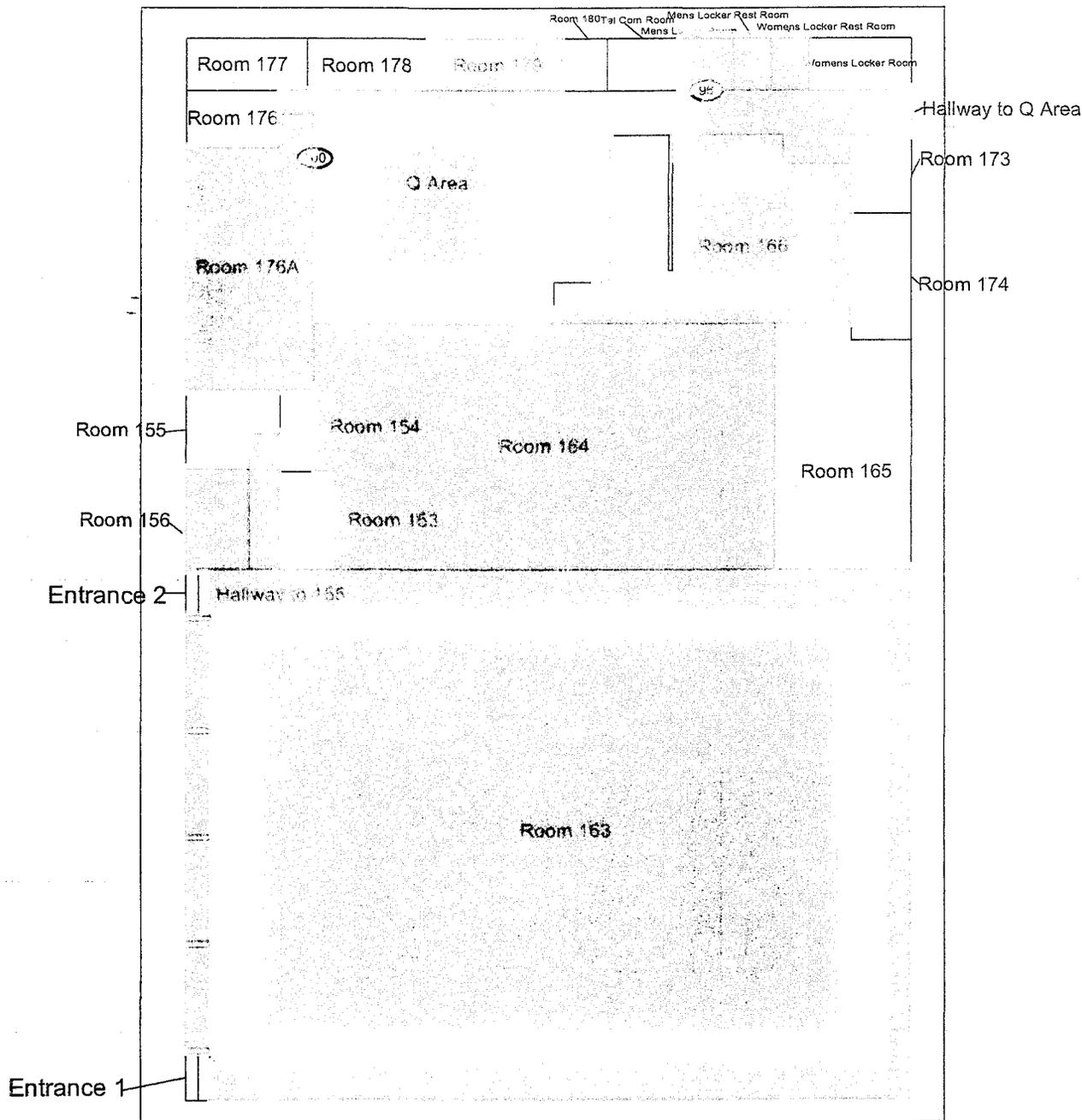
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p align="center">N ↑</p>	<p align="center">0 FEET 45</p> <p align="center">0 METERS 15</p>	<p>Scan Area</p>
				<p>Scan Survey Information Survey Instrument ID #(s) & RCT ID #(s): 1, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27</p>

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PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

B750 1st Floor Interior



KEY PLAN

<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 		<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp L&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>		<p>N</p>		<p>0 FEET 25</p> <p>0 METERS 8</p>		<p>Scan Area</p>	
<p>Scan Survey Information Survey Instrument ID #(s) & RCT ID #(s):</p>		<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p>		<p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p>		<p>CH2MHILL Communications Group</p>		<p>MAP ID: 03-0178/750 PG27 May 22, 2003</p>	

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SURVEY UNIT T750A-A-002
RADIOLOGICAL DATA SUMMARY - PDS

Survey Unit Description: T750A (Interior & Exterior)

12

T750A-A-002
PDS Data Summary

<u>Total Surface Activity Measurements</u>			<u>Removable Activity Measurements</u>		
	25	25		25	25
	Number Required	Number Obtained		Number Required	Number Obtained
MIN	-16.9	dpm/100 cm ²	MIN	-1.2	dpm/100 cm ²
MAX	57.5	dpm/100 cm ²	MAX	2.4	dpm/100 cm ²
MEAN	14.2	dpm/100 cm ²	MEAN	-0.3	dpm/100 cm ²
STD DEV	19.4	dpm/100 cm ²	STD DEV	0.9	dpm/100 cm ²
TRANSURANIC DCGL _w -	100	dpm/100 cm ²	TRANSURANIC DCGL _w	20	dpm/100 cm ²

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**SURVEY UNIT T750A-A-002
TSA - DATA SUMMARY**

Manufacturer:	NE Tech				
Model:	DP-6	DP-6	DP-6	DP-6	DP-6
Instrument ID#:	1	2	3	4	5
Serial #:	1366	2391	3114	1256	1249
Cal Due Date:	6/26/03	7/10/03	9/3/03	6/30/03	4/5/03
Analysis Date:	4/3/03	4/3/03	4/3/03	4/4/03	4/4/03
Alpha Eff. (c/d):	0.209	0.220	0.219	0.234	0.205
Alpha Bkgd (cpm)	2.7	2.7	3.3	2.0	2.0
Sample Time (min)	1.5	1.5	1.5	1.5	1.5
LAB Time (min)	1.5	1.5	1.5	1.5	1.5
MDC (dpm/100cm ²)	48.0	48.0	48.0	48.0	48.0

Manufacturer:	NE Tech	NE Tech	NE Tech	NE Tech
Model:	DP-6	DP-6	DP-6	DP-6
Instrument ID#:	10	11	12	13
Serial #:	3114	3107	3114	3107
Cal Due Date:	9/3/03	8/6/03	9/3/03	8/6/03
Analysis Date:	4/17/03	4/17/03	4/17/03	4/22/03
Alpha Eff. (c/d):	0.219	0.218	0.219	0.218
Alpha Bkgd (cpm)	5.3	2.0	5.3	0.7
Sample Time (min)	1.5	1.5	1.5	1.5
LAB Time (min)	1.5	1.5	1.5	1.5
MDC (dpm/100cm ²)	48.0	48.0	48.0	48.0

Sample Location Number	Instrument ID#:	Sample Gross Counts (cpm)	Sample Gross Activity (dpm/100cm ²)	LAB Gross Counts (cpm)	LAB Gross Activity (dpm/100cm ²)	Sample Net Activity (dpm/100cm ²) ^{1,2}
1	1	6.7	32.1	5.3	25.4	9.6
2	2	2.7	12.3	4.3	19.5	-10.1
3*	13	8.0	36.7	4.7	21.6	14.3
4	2	6.0	27.3	1.3	5.9	4.9
5	1	9.3	44.5	7.3	34.9	22.1
6*	13	9.3	42.7	2.0	9.2	20.2
7	3	5.3	24.2	8.0	36.5	1.8
8*	13	8.7	39.9	4.0	18.3	17.5
9	3	6.0	27.4	7.3	33.3	5.0
10	2	8.0	36.4	3.3	15.0	13.9
11	1	11.3	54.1	6.0	28.7	31.7
12	2	6.0	27.3	2.7	12.3	4.9
13	2	14.7	66.8	7.3	33.2	44.4
14	1	8.7	41.6	4.0	19.1	19.2
15	1	14.7	70.3	8.0	38.3	47.9
16	2	7.0	31.8	0.7	3.2	9.4
17	2	7.6	34.5	4.0	18.2	12.1
18	1	16.7	79.9	6.0	28.7	57.5
19	2	14.7	66.8	4.0	18.2	44.4
20	2	4.7	21.4	3.3	15.0	-1.1
21	1	6.7	32.1	5.3	25.4	9.6
22	1	2.0	9.6	4.7	22.5	-12.8
23	3	2.0	9.1	7.3	33.3	-13.3
24	4	1.3	5.6	2.7	11.5	-16.9
25	2	9.3	42.3	7.3	33.2	19.9

¹ - Average LAB used to subtract from Gross Sample Activity

* - The initial Sample Net Activity for locations 3, 6 and 8 were 134.8, 107.4, and 110.8 dpm/100cm² respectively.

These locations were sealed and re-surveyed after a decay period. Re-survey results are reported.

No further investigation is required.

22.4	Sample LAB Average
MIN	-16.9
MAX	57.5
MEAN	14.2
SD	19.4
Transuranic DCGL _w	100

QC Measurements

11 QC	5	6.7	32.7	4.0	19.5	14.4
4 QC	4	8.7	37.2	4.0	17.1	18.9

¹ - Average QC LAB used to subtract from Gross Sample Activity

18.3	QC LAB Average
MIN	14.4
MAX	18.9
MEAN	16.6
Transuranic DCGL _w	100

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**SURVEY UNIT T750A-A-002
RSC - DATA SUMMARY**

Manufacturer:	Eberline	Eberline	Eberline	Eberline
Model:	SAC-4	SAC-4	SAC-4	SAC-4
Instrument ID#:	6	7	8	9
Serial #:	767	1164	830	952
Cal Due Date:	5/13/03	6/17/03	8/25/03	7/9/03
Analysis Date:	4/4/03	4/4/03	4/4/03	4/4/03
Alpha Eff. (c/d):	0.33	0.33	0.33	0.33
Alpha Bkgd (cpm)	0.2	0.1	0.4	0.1
Sample Time (min)	2	2	2	2
Bkgd Time (min)	10	10	10	10
MDC (dpm/100cm²)	9.0	9.0	9.0	9.0

Manufacturer:	Eberline	Eberline	Eberline
Model:	SAC-4	SAC-4	SAC-4
Instrument ID#:	14	15	16
Serial #:	1164	952	971
Cal Due Date:	6/17/03	7/9/03	8/6/03
Analysis Date:	4/22/03	4/22/03	4/22/03
Alpha Eff. (c/d):	0.33	0.33	0.33
Alpha Bkgd (cpm)	0.3	0.5	0.3
Sample Time (min)	2	2	2
Bkgd Time (min)	10	10	10
MDC (dpm/100cm²)	9.0	9.0	9.0

Sample Location Number	Instrument ID#	Gross Counts (cpm)	Net Activity (dpm/100 cm ²)
1	6	0	-0.6
2	7	0	-0.3
3	14	0	-0.9
4	9	0	-0.3
5	6	0	-0.6
6	15	1	0.0
7	8	0	-1.2
8	16	0	-0.9
9	6	0	-0.6
10	7	0	-0.3
11	8	0	-1.2
12	9	0	-0.3
13	6	2	2.4
14	7	0	-0.3
15	8	0	-1.2
16	9	0	-0.3
17	6	0	-0.6
18	7	0	-0.3
19	8	1	0.3
20	9	0	-0.3
21	6	2	2.4
22	7	0	-0.3
23	8	0	-1.2
24	9	0	-0.3
25	6	0	-0.6
		MIN	-1.2
		MAX	2.4
		MEAN	-0.3
		SD	0.9
		Transuranic DCGL_w	20

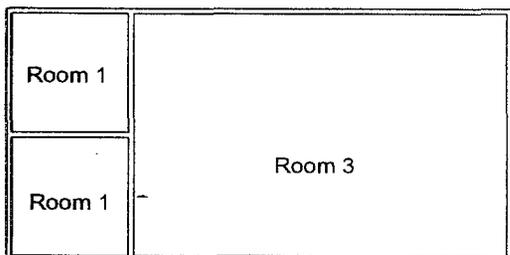
65

PRE-DEMOLITION SURVEY FOR T750A

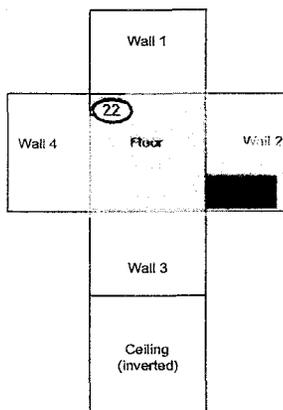
Survey Area: 5 Survey Unit: T750A-A-002 Classification: 3
 Building: T750A
 Survey Unit Description: T750A Interior & Exterior
 Total Area: 620 sq. m. Total Floor Area: 97 sq. m.

T750A Interior

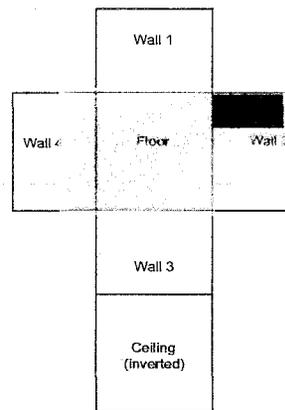
T750A Floor Plan



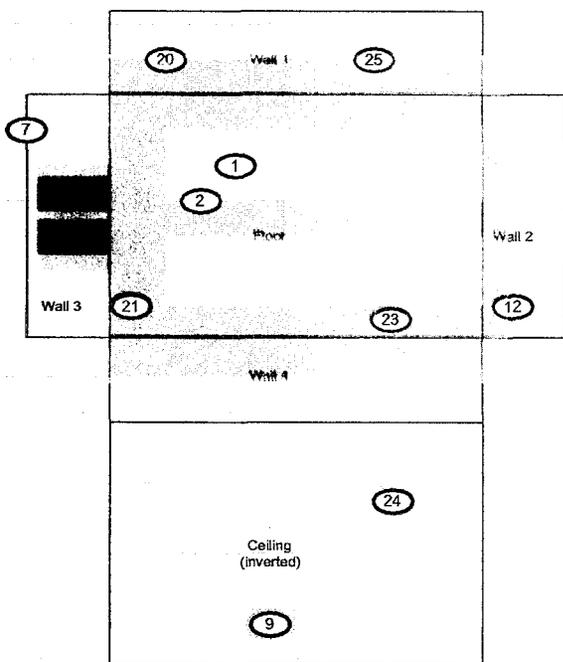
Room 1



Room 2



Room 3

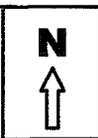


Scan Area

SURVEY MAP LEGEND

- ⊕ Smear & TSA Location
- ⬠ Smear, TSA & Sample Location
- Open/Inaccessible Area
- Area in Another Survey Unit

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0 FEET 25

0 METERS 8

1 inch = 18 feet 1 grid sq. = 1 sq. m.

Scan Survey Information
 Survey Instrument ID #(s) & RCT ID #(s):
 1, 2, 3, 5, 11

U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707 Prepared for:

CH2MHILL
 Communications Group

KAISER HILL

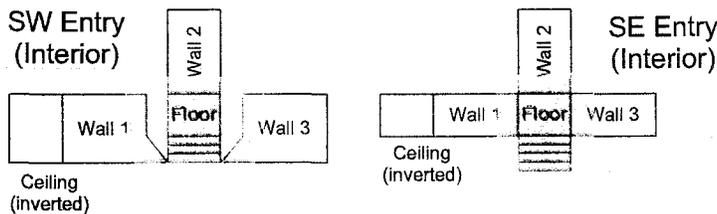
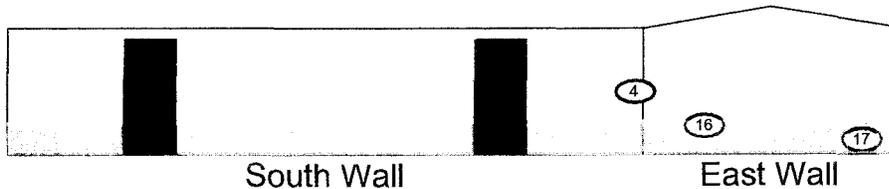
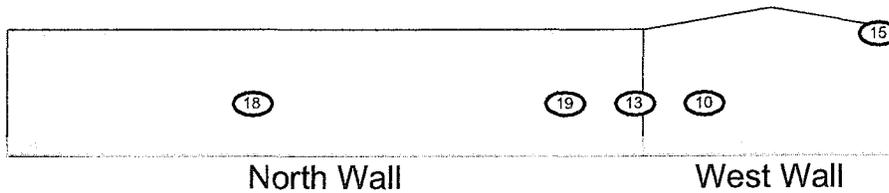
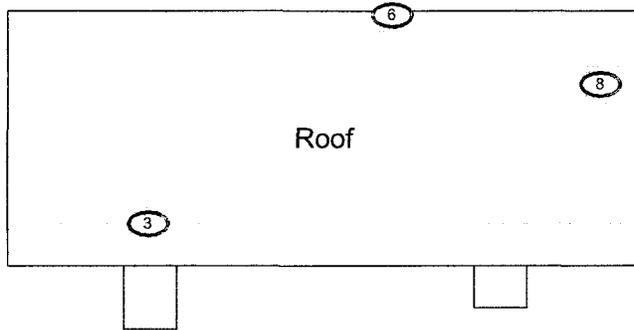
MAP ID: 03-0178\T750A-SC May 8, 2003

66

PRE-DEMOLITION SURVEY FOR T750A

Survey Area: 5 Survey Unit: T750A-A-002 Classification: 3
 Building: T750A
 Survey Unit Description: T750A Interior & Exterior
 Total Area: 620 sq. m. Total Floor Area: 97 sq. m.

T750A Exterior



Scan Area

<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N ↑</p>	<p>0 FEET 25 0 METERS 8 1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <p> CH2MHILL Communications Group </p> <p>MAP ID: 03-0178VT750A-EX-SC Feb 26, 2003</p>
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SURVEY UNIT T750B-A-003
RADIOLOGICAL DATA SUMMARY - PDS

Survey Unit Description: T750B (Interior & Exterior)

68

T750B-A-003
PDS Data Summary

Total Surface Activity Measurements

25	25
Number Required	Number Obtained

MIN	-7.4	dpm/100 cm ²
MAX	94.0	dpm/100 cm ²
MEAN	16.4	dpm/100 cm ²
STD DEV	29.9	dpm/100 cm ²

TRANSURANIC DCGL _w -	100	dpm/100 cm ²
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Removable Activity Measurements

25	25
Number Required	Number Obtained

MIN	-0.6	dpm/100 cm ²
MAX	3.0	dpm/100 cm ²
MEAN	0.6	dpm/100 cm ²
STD DEV	1.1	dpm/100 cm ²

TRANSURANIC DCGL _w	20	dpm/100 cm ²
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**SURVEY UNIT T750B-A-003
TSA - DATA SUMMARY**

Manufacturer:	NE Tech					
Model:	DP-6	DP-6	DP-6	DP-6	DP-6	DP-6
Instrument ID#:	1	2	3	4	5	6
Serial #:	1249	1256	1417	1379	3114	3125
Cal Due Date:	4/5/03	6/30/03	7/28/03	6/30/03	9/3/03	4/21/03
Analysis Date:	4/3/03	4/3/03	4/3/03	4/3/03	4/3/03	4/3/03
Alpha Eff. (c/d):	0.205	0.234	0.215	0.219	0.219	0.215
Alpha Bkgd (cpm)	2.0	0.0	1.3	0.0	3.3	0.7
Sample Time (min)	1.5	1.5	1.5	1.5	1.5	1.5
LAB Time (min)	1.5	1.5	1.5	1.5	1.5	1.5
MDC (dpm/100cm ²)	48.0	48.0	48.0	48.0	48.0	48.0

Manufacturer:	NE Tech	NE Tech	NE Tech
Model:	DP-6	DP-6	DP-6
Instrument ID#:	11	12	13
Serial #:	2391	3107	3115
Cal Due Date:	7/10/03	8/6/03	9/24/03
Analysis Date:	4/4/03	4/15/03	4/15/03
Alpha Eff. (c/d):	0.220	0.218	0.218
Alpha Bkgd (cpm)	4.0	1.3	1.3
Sample Time (min)	1.5	1.5	1.5
LAB Time (min)	1.5	1.5	1.5
MDC (dpm/100cm ²)	48.0	48.0	48.0

Sample Location Number	Instrument ID#:	Sample Gross Counts (cpm)	Sample Gross Activity (dpm/100cm ²)	LAB Gross Counts (cpm)	LAB Gross Activity (dpm/100cm ²)	Sample Net Activity (dpm/100cm ²) ¹
1	6	22.7	105.6	3.3	15.3	92.2
2	13	16.0	73.4	2.7	12.4	60.0
3*	5	8.7	39.7	6.7	30.6	26.4
4	2	8.7	37.2	3.3	14.1	23.8
5	1	1.3	6.3	0.7	3.4	-7.0
6*	1	4.7	22.9	2.0	9.8	9.6
7	2	4.0	17.1	3.3	22.6	3.7
8	1	22.0	107.3	0.7	3.4	94.0
9	1	2.7	13.2	0.7	3.4	-0.2
10*	13	9.3	42.7	4.0	18.3	29.3
11	5	6.0	27.4	6.7	30.6	14.1
12	1	2.0	9.8	4.0	19.5	-3.6
13	1	4.0	19.5	1.3	6.3	6.2
14*	11	17.3	78.6	1.3	0.9	65.3
15	5	4.7	21.5	1.3	5.9	8.1
16	4	1.3	5.9	0.0	0.0	-7.4
17	3	1.3	6.0	3.3	15.3	-7.3
18	3	4.7	21.9	6.0	27.9	8.5
19	1	1.3	6.3	2.1	10.2	-7.0
20	1	1.3	6.3	1.3	6.3	-7.0
21	5	4.0	18.3	6.7	30.6	4.9
22	3	3.3	15.3	3.3	15.3	2.0
23	3	2.7	12.6	2.0	9.3	-0.8
24	3	2.7	12.6	2.7	12.6	-0.8
25	3	3.3	15.3	2.0	9.3	2.0

¹ - Average LAB used to subtract from Gross Sample Activity

* - The initial Sample Net Activity for locations 3, 6, 10 and 14 was 132.4, 141.5, 105.0 and 136.0 dpm/100cm² respectively.

These locations were sealed and re-surveyed after a decay period. Re-survey results are reported.

No further investigation is required.

13.3	Sample LAB Average
MIN	-7.4
MAX	94.0
MEAN	16.4
SD	29.9
Transuranic DCGL _w	100

QC Measurements

4 QC	5	11.3	51.6	3.3	15.1	42.4
15 QC	1	1.3	6.3	0.7	3.4	-2.9

¹ - Average QC LAB used to subtract from Gross Sample Activity

9.2	QC LAB Average
MIN	-2.9
MAX	42.4
MEAN	19.7
Transuranic DCGL _w	100

70

**SURVEY UNIT T750B-A-003
RSC - DATA SUMMARY**

Manufacturer:	Eberline	Eberline	Eberline	Eberline
Model:	SAC-4	SAC-4	SAC-4	SAC-4
Instrument ID#:	7	8	9	10
Serial #:	767	1164	830	952
Cal Due Date:	5/13/03	6/17/03	8/25/03	7/9/03
Analysis Date:	4/3/03	4/3/03	4/3/03	4/3/03
Alpha Eff. (c/d):	0.33	0.33	0.33	0.33
Alpha Bkgd (cpm)	0.1	0.0	0.2	0.0
Sample Time (min)	2	2	2	2
Bkgd Time (min)	10	10	10	10
MDC (dpm/100cm²)	9.0	9.0	9.0	9.0

Sample Location Number	Instrument ID#	Gross Counts (cpm)	Net Activity (dpm/100 cm ²)
1	7	1	1.2
2	8	2	3.0
3	9	1	0.9
4	10	1	1.5
5	7	0	-0.3
6	8	1	1.5
7	9	1	0.9
8	10	0	0.0
9	7	0	-0.3
10	8	1	1.5
11	9	0	-0.6
12	10	0	0.0
13	7	0	-0.3
14	8	2	3.0
15	9	0	-0.6
16	10	1	1.5
17	7	0	-0.3
18	8	0	0.0
19	9	1	0.9
20	10	0	0.0
21	7	0	-0.3
22	8	0	0.0
23	9	0	-0.6
24	10	1	1.5
25	7	1	1.2
		MIN	-0.6
		MAX	3.0
		MEAN	0.6
		SD	1.1
		Transuranic DCGL_w	20

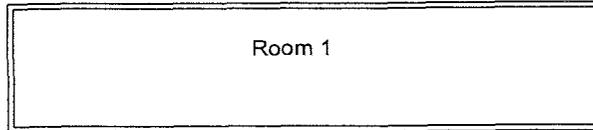
71

PRE-DEMOLITION SURVEY FOR T750B

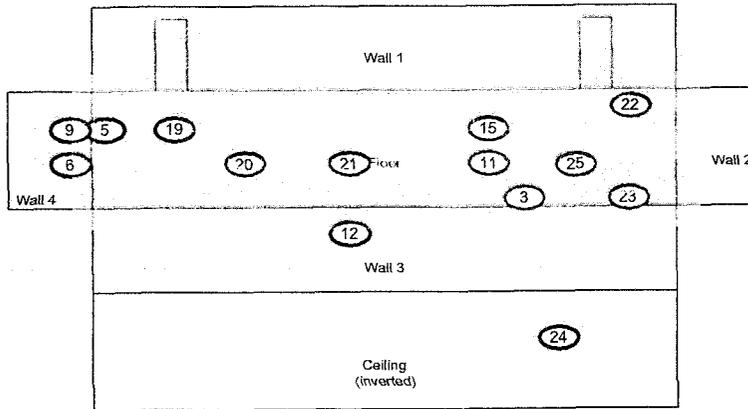
Survey Area: 5 Survey Unit: T750B-A-003 Classification: 3
 Building: T750B
 Survey Unit Description: T750B Interior & Exterior
 Total Area: 501 sq. m. Total Floor Area: 56 sq. m.

T750B Interior

T750B Floor Plan



Room 3

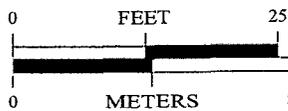


Scan Area

SURVEY MAP LEGEND

- Smear & TSA Location
- Smear, TSA & Sample Location
- Open/Inaccessible Area
- Area in Another Survey Unit

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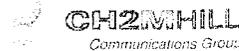


1 inch = 18 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707

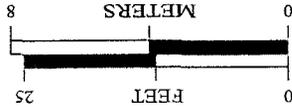
Prepared for:



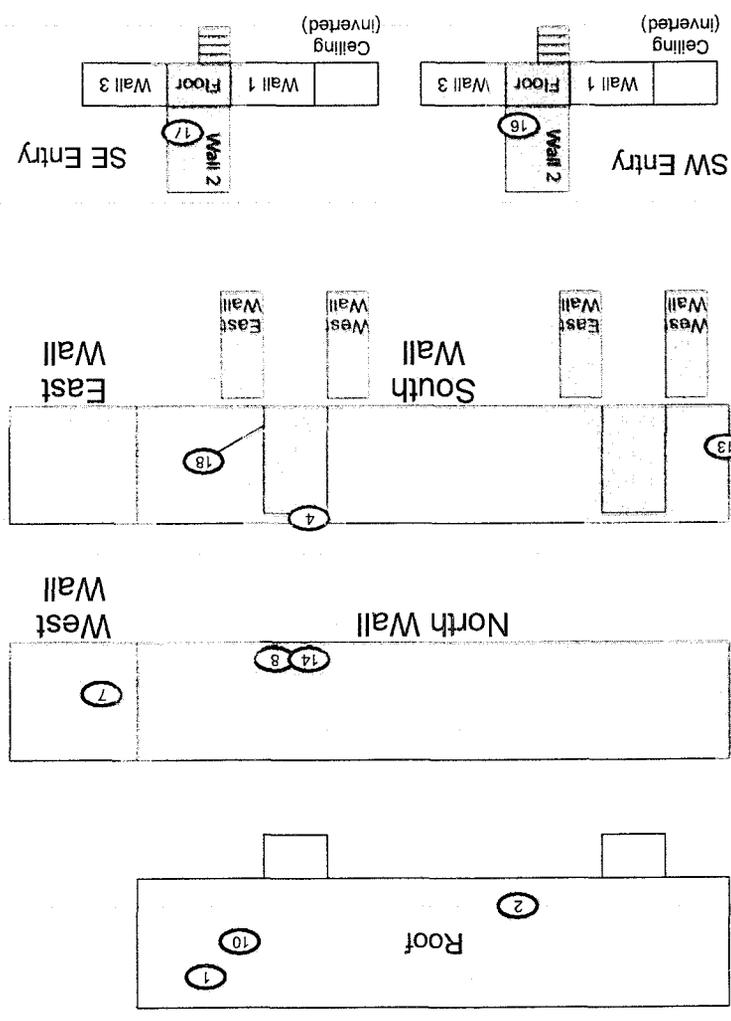
MAP ID: 03-01781T750B-INT-SC

May 13, 2003

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 <p>CH2MHILL Communications Group</p> <p>Prepared for: U.S. Department of Energy Rocky Flats Environmental Technology Site</p>	<p>MAP ID: 03-01781750B-EX-SC May 13, 2003</p>	<p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p> 	<p>Scan Survey Information Survey Instrument ID #(s) & RCT ID #(s): 1, 3, 4</p> <p>Neither the United States Government nor Kaiser Hill Co. nor DynCorp I&FT, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p><input type="checkbox"/> Area in Another Survey Unit</p> <p><input type="checkbox"/> Open/Unaccessible Area</p> <p><input checked="" type="checkbox"/> Smear, TSA & Sample Location</p> <p><input checked="" type="checkbox"/> Smear & TSA Location</p>
				<p>SURVEY MAP LEGEND</p>

Scan Area



T750B Exterior

<p>PRE-DEMOLITION SURVEY FOR T750B</p>	
<p>Survey Area: 5</p> <p>Building: T750B</p> <p>Survey Unit Description: T750B Interior & Exterior</p> <p>Total Area: 501 sq. m.</p>	<p>Survey Unit: T750B-A-003</p> <p>Classification: 3</p> <p>Total Floor Area: 56 sq. m.</p>
<p>PAGE 2 OF 2</p>	

SURVEY UNIT T750C-A-004
RADIOLOGICAL DATA SUMMARY - PDS

Survey Unit Description: T750C (Interior & Exterior)

74

Total Surface Activity Measurements

25	25
Number Required	Number Obtained

MIN	-11.3	dpm/100 cm ²
MAX	43.0	dpm/100 cm ²
MEAN	12.3	dpm/100 cm ²
STD DEV	16.8	dpm/100 cm ²

TRANSURANIC DCGL _w -	100	dpm/100 cm ²
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Removable Activity Measurements

25	25
Number Required	Number Obtained

MIN	-1.5	dpm/100 cm ²
MAX	2.4	dpm/100 cm ²
MEAN	0.0	dpm/100 cm ²
STD DEV	1.0	dpm/100 cm ²

TRANSURANIC DCGL _w	20	dpm/100 cm ²
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**SURVEY UNIT T750C-A-004
TSA - DATA SUMMARY**

Manufacturer:	NE Tech	NE Tech	NE Tech	NE Tech
Model:	DP-6	DP-6	DP-6	DP-6
Instrument ID#:	1	2	3	4
Serial #:	1379	2391	1249	1256
Cal Due Date:	6/30/03	7/10/03	4/5/03	6/30/03
Analysis Date:	4/4/03	4/4/03	4/4/03	4/4/03
Alpha Eff. (c/d):	0.219	0.220	0.205	0.234
Alpha Bkgd (cpm)	2.0	4.0	2.0	2.0
Sample Time (min)	1.5	1.5	1.5	1.5
LAB Time (min)	1.5	1.5	1.5	1.5
MDC (dpm/100cm ²)	48.0	48.0	48.0	48.0

Manufacturer:	NE Tech	NE Tech	NE Tech	NE Tech
Model:	DP-6	DP-6	DP-6	DP-6
Instrument ID#:	5	11	12	16
Serial #:	3125	3107	3114	1681
Cal Due Date:	4/21/03	8/6/03	9/3/03	10/18/03
Analysis Date:	4/4/03	4/17/03	4/17/03	5/16/03
Alpha Eff. (c/d):	0.215	0.218	0.219	0.218
Alpha Bkgd (cpm)	2.0	2.0	5.3	4.0
Sample Time (min)	1.5	1.5	1.5	1.5
LAB Time (min)	1.5	1.5	1.5	1.5
MDC (dpm/100cm ²)	48.0	48.0	48.0	48.0

Sample Location Number	Instrument ID#:	Sample Gross Counts (cpm)	Sample Gross Activity (dpm/100cm ²)	LAB Gross Counts (cpm)	LAB Gross Activity (dpm/100cm ²)	Sample Net Activity (dpm/100cm ²) ¹
1	4	5.3	22.6	1.3	5.6	11.3
2	4	12.7	54.3	4.0	17.1	43.0
3	5	0.0	0.0	4.0	18.3	-11.3
4	1	8.7	39.7	2.0	9.1	28.4
5*	16	10.0	42.7	1.3	6.0	31.4
6	3	4.7	22.9	4.7	22.9	11.6
7	5	0.0	0.0	2.0	9.2	-11.3
8	4	5.3	22.6	3.3	14.1	11.3
9	1	1.3	5.9	1.3	5.9	-5.4
10	4	4.0	17.1	3.3	14.1	5.8
11	3	10.0	48.8	2.7	13.2	37.5
12*	16	10.0	42.7	2.7	12.4	31.4
13	4	9.3	39.7	3.3	14.1	28.4
14*	16	6.7	28.6	0.7	3.2	17.3
15	3	4.7	22.9	6.7	32.7	11.6
16	4	2.0	8.5	4.0	17.1	-2.8
17	3	6.7	32.7	1.3	6.3	21.4
18	5	8.0	36.7	0.7	3.2	25.4
19	1	10.0	45.7	2.0	9.1	34.4
20	4	2.0	8.5	1.3	5.6	-2.8
21	1	2.7	12.3	1.3	5.9	1.0
22	1	1.3	5.9	1.3	5.9	-5.4
23	5	0.7	3.2	3.3	15.1	-8.1
24	3	4.7	22.9	2.7	13.2	11.6
25	1	0.7	3.2	0.7	3.2	-8.1

¹ - Average LAB used to subtract from Gross Sample Activity

* - The initial Sample Net Activity for locations 5, 12 and 14 was 147.8, 151.0 and 124.2 dpm/100cm² respectively.

These locations were sealed and re-surveyed after a decay period. Re-survey results are reported.

No further investigation is required.

11.3	Sample LAB Average
MIN	-11.3
MAX	43.0
MEAN	12.3
SD	16.8
Transuranic DCGL _w	100

QC Measurements

2 QC	2	9.3	42.3	2.7	12.3	33.2
11 QC	2	8.7	39.5	1.3	5.9	30.5

¹ - Average QC LAB used to subtract from Gross Sample Activity

9.1	QC LAB Average
MIN	30.5
MAX	33.2
MEAN	31.8
Transuranic DCGL _w	100

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**SURVEY UNIT T750C-A-004
RSC - DATA SUMMARY**

Manufacturer:	Eberline	Eberline	Eberline	Eberline
Model:	SAC-4	SAC-4	SAC-4	SAC-4
Instrument ID#:	6	7	8	9
Serial #:	767	1164	830	952
Cal Due Date:	5/13/03	6/17/03	8/25/03	7/9/03
Analysis Date:	4/4/03	4/4/03	4/4/03	4/4/03
Alpha Eff. (c/d):	0.33	0.33	0.33	0.33
Alpha Bkgd (cpm)	0.2	0.1	0.4	0.1
Sample Time (min)	2	2	2	2
Bkgd Time (min)	10	10	10	10
MDC (dpm/100cm²)	9.0	9.0	9.0	9.0

Manufacturer:	Eberline	Eberline	Eberline
Model:	SAC-4	SAC-4	SAC-4
Instrument ID#:	13	14	15
Serial #:	1164	952	971
Cal Due Date:	6/17/03	7/9/03	8/6/03
Analysis Date:	4/22/03	4/22/03	4/22/03
Alpha Eff. (c/d):	0.33	0.33	0.33
Alpha Bkgd (cpm)	0.3	0.5	0.3
Sample Time (min)	2	2	2
Bkgd Time (min)	10	10	10
MDC (dpm/100cm²)	9.0	9.0	9.0

Sample Location Number	Instrument ID#	Gross Counts (cpm)	Net Activity (dpm/100 cm ²)
1	6	0	-0.6
2	7	1	1.2
3	9	0	-0.3
4	6	1	0.9
5	13	1	0.6
6	7	0	-0.3
7	7	1	1.2
8	6	2	2.4
9	8	0	-1.2
10	8	1	0.3
11	9	0	-0.3
12	6	0	-0.6
13	8	0	-1.2
14	14	0	-1.5
15	9	1	1.2
16	9	0	-0.3
17	7	0	-0.3
18	6	0	-0.6
19	7	1	1.2
20	8	0	-1.2
21	15	1	0.6
22	8	0	-1.2
23	9	0	-0.3
24	7	0	-0.3
25	6	1	0.9
		MIN	-1.5
		MAX	2.4
		MEAN	0.0
		SD	1.0
		Transuranic DCGL_w	20

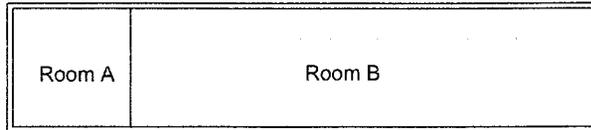
77

PRE-DEMOLITION SURVEY FOR T750C

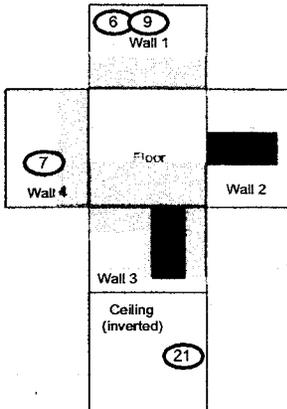
Survey Area: 5 Survey Unit: T750C-A-004 Classification: 3
 Building: T750C
 Survey Unit Description: T750C Interior & Exterior
 Total Area: 448 sq. m. Total Floor Area: 56 sq. m.

T750C Interior

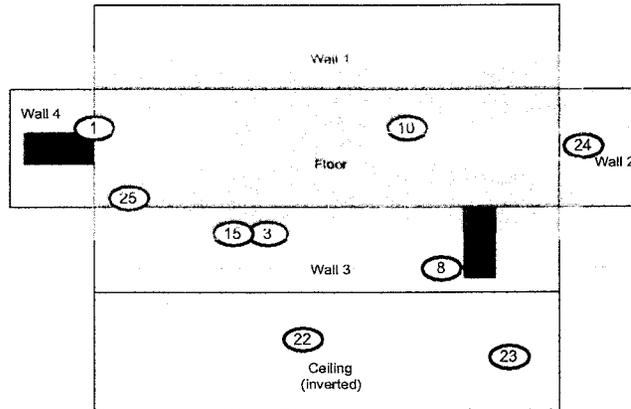
T750C Floor Plan



Room A



Room B



Scan Area

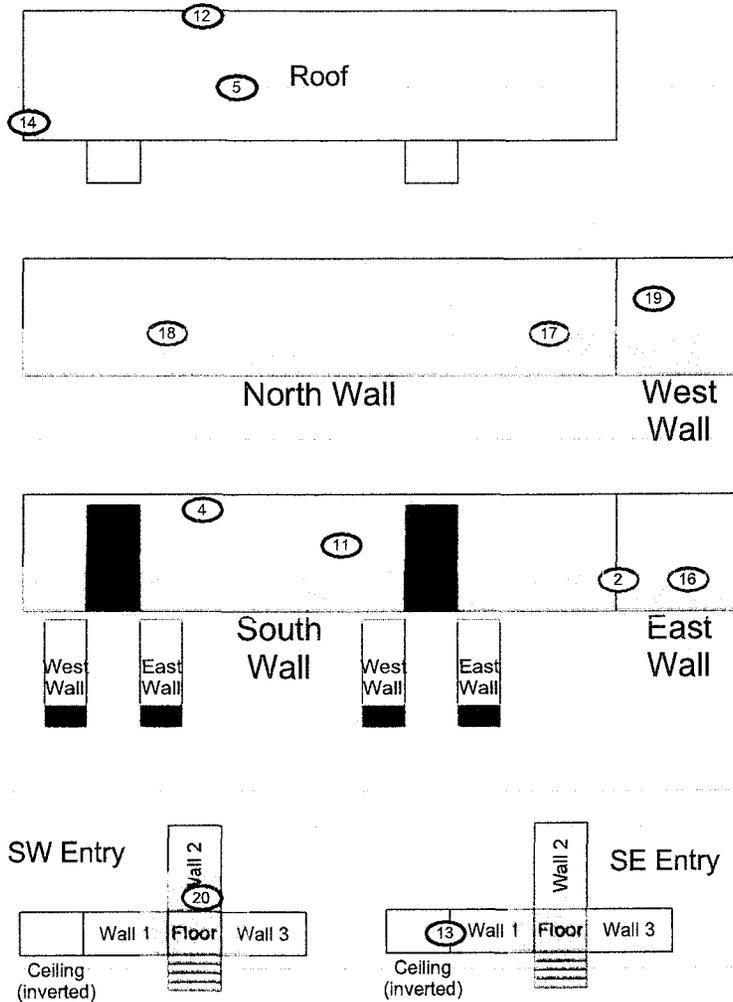
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p style="text-align: center;">N ↑</p>	<p style="text-align: center;">0 FEET 25</p> <p style="text-align: center;">0 METERS 8</p> <p style="text-align: center;">1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p style="text-align: center;">U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-between;">   </div> <p>MAP ID: 03-01781T750C-SC May 21, 2003</p>
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PRE-DEMOLITION SURVEY FOR T750C

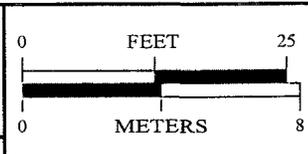
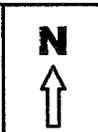
Survey Area: 5 Survey Unit: T750C-A-004 Classification: 3
 Building: T750C
 Survey Unit Description: T750C Interior & Exterior
 Total Area: 448 sq. m. Total Floor Area: 56 sq. m.

T750C Exterior



SURVEY MAP LEGEND	
	Smear & TSA Location
	Smear, TSA & Sample Location
	Open/Inaccessible Area
	Area in Another Survey Unit

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Scan Survey Information
 Survey Instrument ID #(s) & RCT ID #(s):
 1, 2, 3, 4, 5, 12

1 inch = 18 feet 1 grid sq. = 1 sq. m.

Scan Area	
U.S. Department of Energy Rocky Flats Environmental Technology Site	
Prepared by: GIS Dept. 303-966-7707	Prepared for:
 Communications Group	
MAP ID: 03-01781T750C-EX-SC	May 21, 2003

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SURVEY UNIT T750D-A-005
RADIOLOGICAL DATA SUMMARY - PDS

Survey Unit Description: T750D (Interior & Exterior)

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T750D-A-005
PDS Data Summary

Total Surface Activity Measurements

25	25
Number Required	Number Obtained

MIN	-10.3	dpm/100 cm ²
MAX	29.6	dpm/100 cm ²
MEAN	8.4	dpm/100 cm ²
STD DEV	10.6	dpm/100 cm ²

TRANSURANIC DCGL _w	100	dpm/100 cm ²
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Removable Activity Measurements

25	25
Number Required	Number Obtained

MIN	-1.2	dpm/100 cm ²
MAX	3.6	dpm/100 cm ²
MEAN	0.3	dpm/100 cm ²
STD DEV	1.3	dpm/100 cm ²

TRANSURANIC DCGL _w	20	dpm/100 cm ²
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P1

**SURVEY UNIT T750D-A-005
TSA - DATA SUMMARY**

Manufacturer:	NE Tech	NE Tech	NE Tech	NE Tech
Model:	DP-6	DP-6	DP-6	DP-6
Instrument ID#:	1	2	3	4
Serial #:	3107	3115	3115	1420
Cal Due Date:	8/6/03	9/24/03	9/24/03	6/4/03
Analysis Date:	4/23/03	4/23/03	5/2/03	5/2/03
Alpha Eff. (c/d):	0.218	0.218	0.218	0.221
Alpha Bkgd (cpm)	0.0	2.0	2.0	3.3
Sample Time (min)	1.5	1.5	1.5	1.5
LAB Time (min)	1.5	1.5	1.5	1.5
MDC (dpm/100cm²)	48.0	48.0	48.0	48.0

Sample Location Number	Instrument ID#:	Sample Gross Counts (cpm)	Sample Gross Activity (dpm/100cm2)	LAB Gross Counts (cpm)	LAB Gross Activity (dpm/100cm2)	Sample Net Activity (dpm/100cm2) ¹
1	3	6.7	30.7	4.0	18.3	14.5
2	3	5.3	24.3	3.3	15.1	8.1
3	2	8.0	36.7	5.3	24.3	20.4
4	1	2.7	12.4	6.0	27.5	-3.9
5	3	6.0	27.5	3.3	15.1	11.3
6	1	10.0	45.9	4.7	21.6	29.6
7	1	4.0	18.3	2.0	9.2	2.1
8	2	4.0	18.3	6.7	30.7	2.1
9	3	5.3	24.3	2.7	12.4	8.1
10	2	4.7	21.6	3.3	15.1	5.3
11	2	8.7	39.9	6.0	27.5	23.7
12	3	7.3	33.5	2.7	12.4	17.2
13	1	2.0	9.2	2.0	9.2	-7.1
14	2	1.3	6.0	4.0	18.3	-10.3
15	1	4.0	18.3	3.3	15.1	2.1
16	2	2.7	12.4	6.0	27.5	-3.9
17	1	6.7	30.7	2.0	9.2	14.5
18	2	6.7	30.7	4.0	18.3	14.5
19	1	2.7	12.4	2.7	12.4	-3.9
20	2	3.3	15.1	2.7	12.4	-1.1
21	4	4.7	21.3	0.7	3.2	5.0
22	4	5.3	24.0	2.0	9.0	7.7
23	4	6.0	27.1	3.3	14.9	10.9
24	4	8.0	36.2	1.3	5.9	19.9
25	3	8.7	39.9	4.7	21.6	23.7

1 - Average LAB used to subtract from Gross Sample Activity

16.3	Sample LAB Average
MIN	-10.3
MAX	29.6
MEAN	8.4
SD	10.6
Transuranic DCGL _W	100

QC Measurements

6 QC	4	2.0	9.0	2.7	12.2	-7.8
24 QC	3	5.3	24.3	4.7	21.6	7.4

1 - Average QC LAB used to subtract from Gross Sample Activity

16.9	QC LAB Average
MIN	-7.8
MAX	7.4
MEAN	-0.2
Transuranic DCGL _W	100

Handwritten mark

SURVEY UNIT T750D-A-005

RSC - DATA SUMMARY

Manufacturer:	Eberline	Eberline	Eberline	Eberline
Model:	SAC-4	SAC-4	SAC-4	SAC-4
Instrument ID#:	5	6	7	8
Serial #:	1164	952	971	924
Cal Due Date:	6/17/03	7/9/03	8/6/03	10/23/03
Analysis Date:	5/2/03	5/2/03	5/2/03	5/2/03
Alpha Eff. (c/d):	0.33	0.33	0.33	0.33
Alpha Bkgd (cpm)	0.3	0.3	0.4	0.0
Sample Time (min)	2	2	2	2
Bkgd Time (min)	10	10	10	10
MDC (dpm/100cm²)	9.0	9.0	9.0	9.0

Sample Location Number	Instrument ID#	Gross Counts (cpm)	Net Activity (dpm/100 cm ²)
1	5	0	-0.9
2	6	3	3.6
3	7	1	0.3
4	8	0	0.0
5	5	0	-0.9
6	6	0	-0.9
7	7	0	-1.2
8	8	0	0.0
9	5	2	2.1
10	6	3	3.6
11	7	0	-1.2
12	8	0	0.0
13	5	0	-0.9
14	6	1	0.6
15	7	0	-1.2
16	8	0	0.0
17	5	1	0.6
18	6	1	0.6
19	7	1	0.3
20	8	0	0.0
21	5	0	-0.9
22	6	1	0.6
23	7	2	1.8
24	8	0	0.0
25	5	1	0.6
		MIN	-1.2
		MAX	3.6
		MEAN	0.3
		SD	1.3
		Transuranic DCGL _w	20

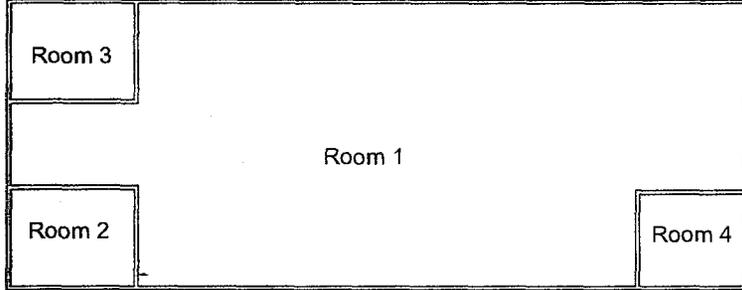
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PRE-DEMOLITION SURVEY FOR T750D

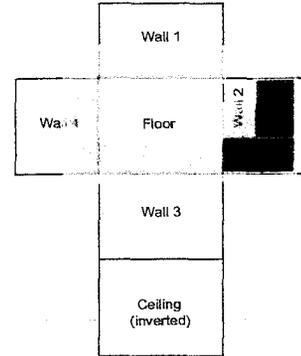
Survey Area: 5 Survey Unit: T750D-A-005 Classification: 3
 Building: T750D
 Survey Unit Description: T750D Interior & Exterior
 Total Area: 816 sq. m. Total Floor Area: 168 sq. m.

T750D Interior

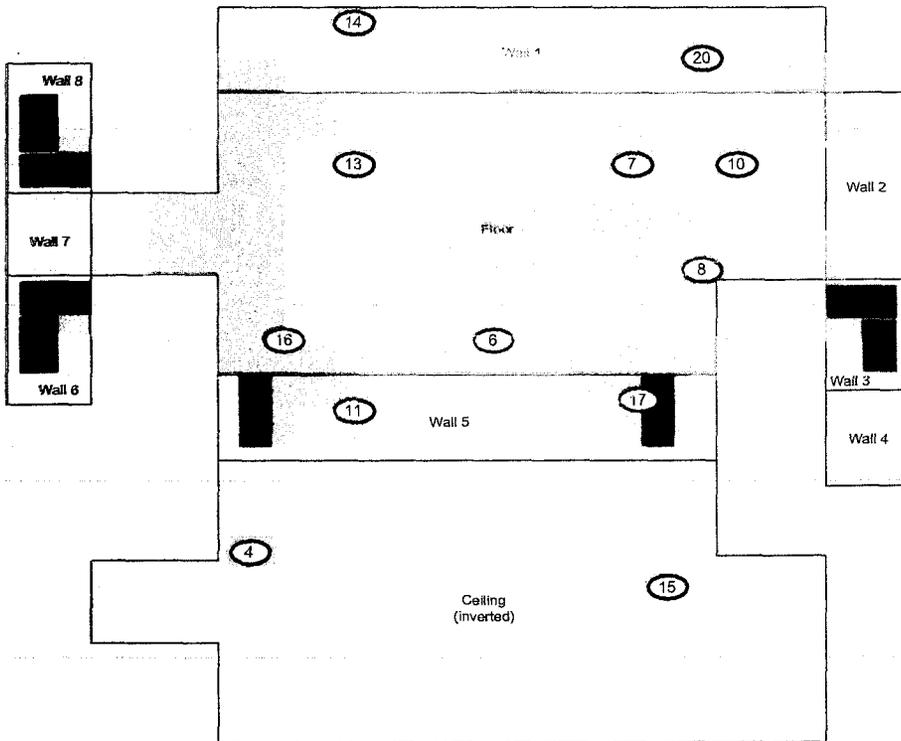
T750D Floor Plan



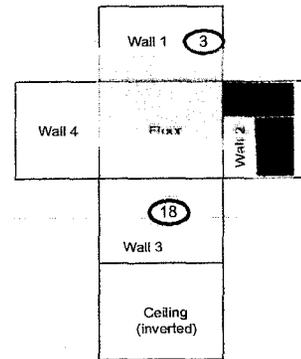
Room 2



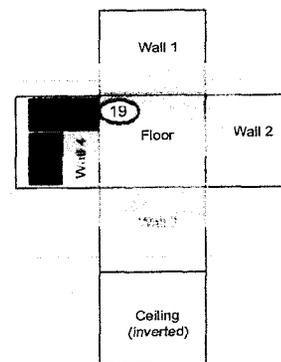
Room 1



Room 3



Room 4



Scan Area

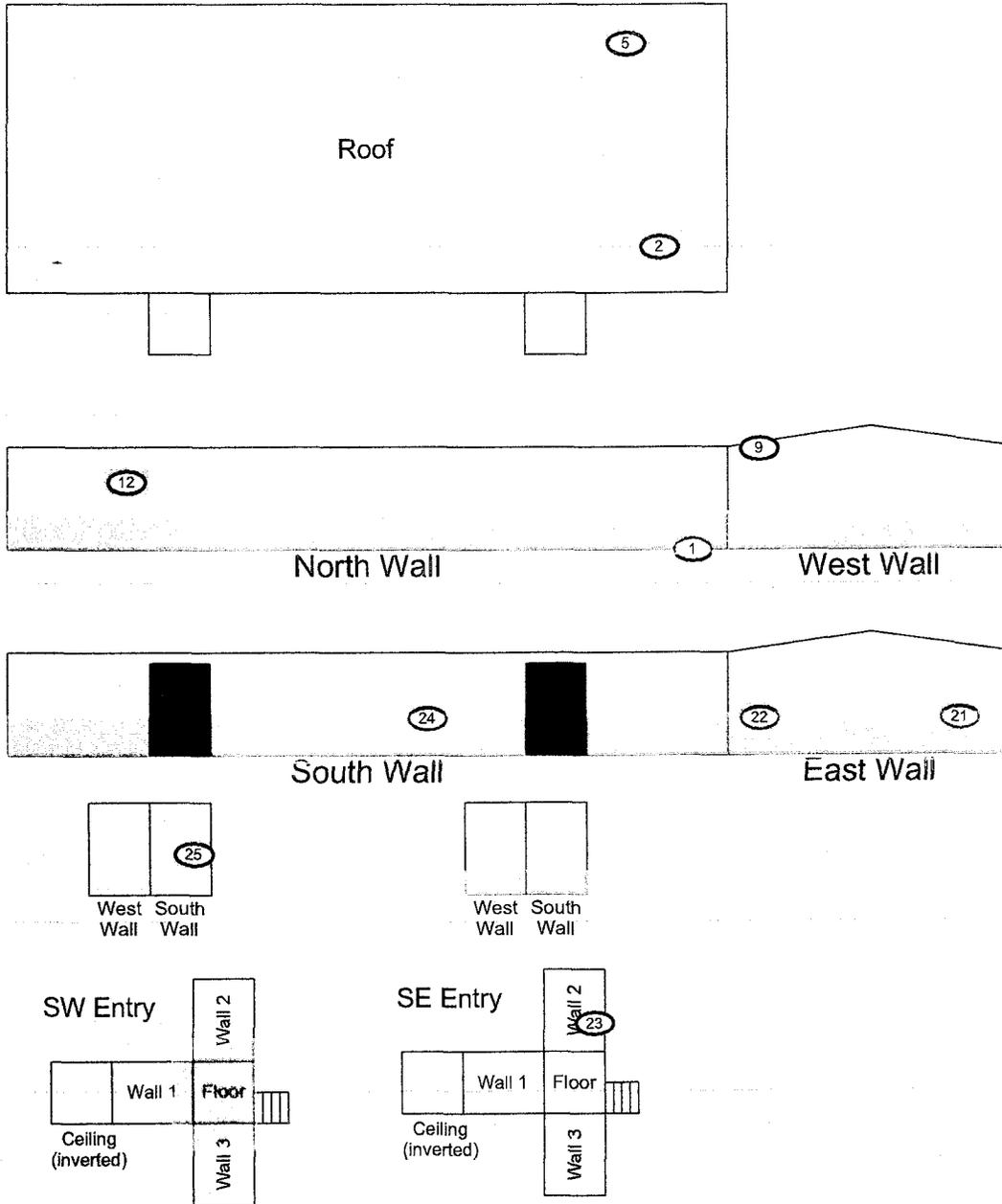
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p style="text-align: center;">N ↑</p>	<p style="text-align: center;">0 FEET 25</p> <p style="text-align: center;">0 METERS 8</p> <p style="text-align: center;">1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p style="text-align: center;">U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <p style="text-align: center;">CH2MHILL Communications Group</p> <p style="text-align: center;">MAP ID: 03-0178\T750D-SC May 13, 2003</p>
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PRE-DEMOLITION SURVEY FOR T750D

Survey Area: 5 Survey Unit: T750D-A-005 Classification: 3
 Building: T750D
 Survey Unit Description: T750D Interior & Exterior
 Total Area: 816 sq. m. Total Floor Area: 168 sq. m.

T750D Exterior



SURVEY MAP LEGEND	
	Smear & TSA Location
	Smear, TSA & Sample Location
	Open/Inaccessible Area
	Area in Another Survey Unit

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Scan Survey Information
 Survey Instrument ID #(s) & RCT ID #(s):
 1, 2, 3, 4

N
↑

0 FEET 25
 0 METERS 8

1 inch = 18 feet 1 grid sq. = 1 sq. m.

Scan Area

U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707 Prepared for:

CH2MHILL
 Communications Group

MAP ID: 03-0178\T750D-EX-SC **KAISER HILL**
 May 13, 2003

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SURVEY UNIT T750F-A-006
RADIOLOGICAL DATA SUMMARY - PDS

Survey Unit Description: T750F (Interior & Exterior)

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T750F-A-006
PDS Data Summary

<u>Total Surface Activity Measurements</u>			<u>Removable Activity Measurements</u>		
	25	25		25	25
	Number Required	Number Obtained		Number Required	Number Obtained
MIN	-8.4	dpm/100 cm ²	MIN	-1.5	dpm/100 cm ²
MAX	76.8	dpm/100 cm ²	MAX	4.5	dpm/100 cm ²
MEAN	13.3	dpm/100 cm ²	MEAN	0.9	dpm/100 cm ²
STD DEV	20.4	dpm/100 cm ²	STD DEV	1.7	dpm/100 cm ²
TRANSURANIC DCGL _w	100	dpm/100 cm ²	TRANSURANIC DCGL _w	20	dpm/100 cm ²

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**SURVEY UNIT T750F-A-006
TSA - DATA SUMMARY**

Manufacturer:	NE Tech					
Model:	DP-6	DP-6	DP-6	DP-6	DP-6	DP-6
Instrument ID#:	1	2	3	8	9	10
Serial #:	2391	3125	1366	3115	3107	3114
Cal Due Date:	7/10/03	4/21/03	6/26/03	9/24/03	8/6/03	9/3/03
Analysis Date:	4/7/03	4/7/03	4/7/03	4/15/03	4/15/03	4/17/03
Alpha Eff. (c/d):	0.220	0.215	0.209	0.218	0.218	0.219
Alpha Bkgd (cpm)	1.3	0.7	4.0	1.3	1.3	5.3
Sample Time (min)	1.5	1.5	1.5	1.5	1.5	1.5
LAB Time (min)	1.5	1.5	1.5	1.5	1.5	1.5
MDC (dpm/100cm²)	48.0	48.0	48.0	48.0	48.0	48.0

Sample Location Number	Instrument ID#:	Sample Gross Counts (cpm)	Sample Gross Activity (dpm/100cm ²)	LAB Gross Counts (cpm)	LAB Gross Activity (dpm/100cm ²)	Sample Net Activity (dpm/100cm ²) ¹
1	1	6.7	30.5	2.7	12.3	12.7
2	10	20.7	94.5	4.7	21.5	76.8
3	1	4.0	18.2	3.3	15.0	0.5
4	9	10.7	49.1	0.7	3.2	31.4
5	1	4.7	21.4	2.0	9.1	3.6
6	1	4.0	18.2	1.3	5.9	0.5
7	8	11.3	51.8	4.7	21.6	34.1
8	2	2.0	9.3	2.7	12.6	-8.4
9	3	8.7	41.6	4.7	22.5	23.9
10	2	2.7	12.6	3.3	15.3	-5.2
11	2	7.3	34.0	2.0	9.3	16.2
12	3	9.3	44.5	7.3	34.9	26.8
13	8	8.7	39.9	3.3	15.1	22.2
14	3	4.7	22.5	1.3	6.2	4.8
15	1	8.0	36.4	3.3	15.0	18.6
16	2	2.0	9.3	2.7	12.6	-8.4
17	2	4.0	18.6	1.3	6.0	0.9
18	3	11.3	54.1	7.3	34.9	36.3
19	1	2.7	12.3	4.7	21.4	-5.5
20	1	4.7	21.4	6.7	30.5	3.6
21	1	4.0	18.2	2.7	12.3	0.5
22	3	13.3	63.6	6.7	32.1	45.9
23	2	4.7	21.9	5.3	24.7	4.1
24	2	2.0	9.3	5.3	24.7	-8.4
25	2	4.7	21.9	5.3	24.7	4.1

¹ - Average LAB used to subtract from Gross Sample Activity

17.7	Sample LAB Average
MIN	-8.4
MAX	76.8
MEAN	13.3
SD	20.4
Transuranic DCGL _w	100

QC Measurements

9 QC	9	6.0	27.5	4.0	18.3	9.2
6 QC	9	7.3	33.5	4.0	18.3	15.1

¹ - Average QC LAB used to subtract from Gross Sample Activity

18.3	QC LAB Average
MIN	9.2
MAX	15.1
MEAN	12.2
Transuranic DCGL _w	100

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**SURVEY UNIT T750F-A-006
RSC - DATA SUMMARY**

Manufacturer:	Eberline	Eberline	Eberline
Model:	SAC-4	SAC-4	SAC-4
Instrument ID#:	5	7	11
Serial #:	1164	952	1164
Cal Due Date:	6/17/03	7/9/03	6/17/03
Analysis Date:	4/7/03	4/7/03	4/27/03
Alpha Eff. (c/d):	0.33	0.33	0.33
Alpha Bkgd (cpm)	0.1	0.0	0.3
Sample Time (min)	2	2	2
Bkgd Time (min)	10	10	10
MDC (dpm/100cm²)	9.0	9.0	9.0

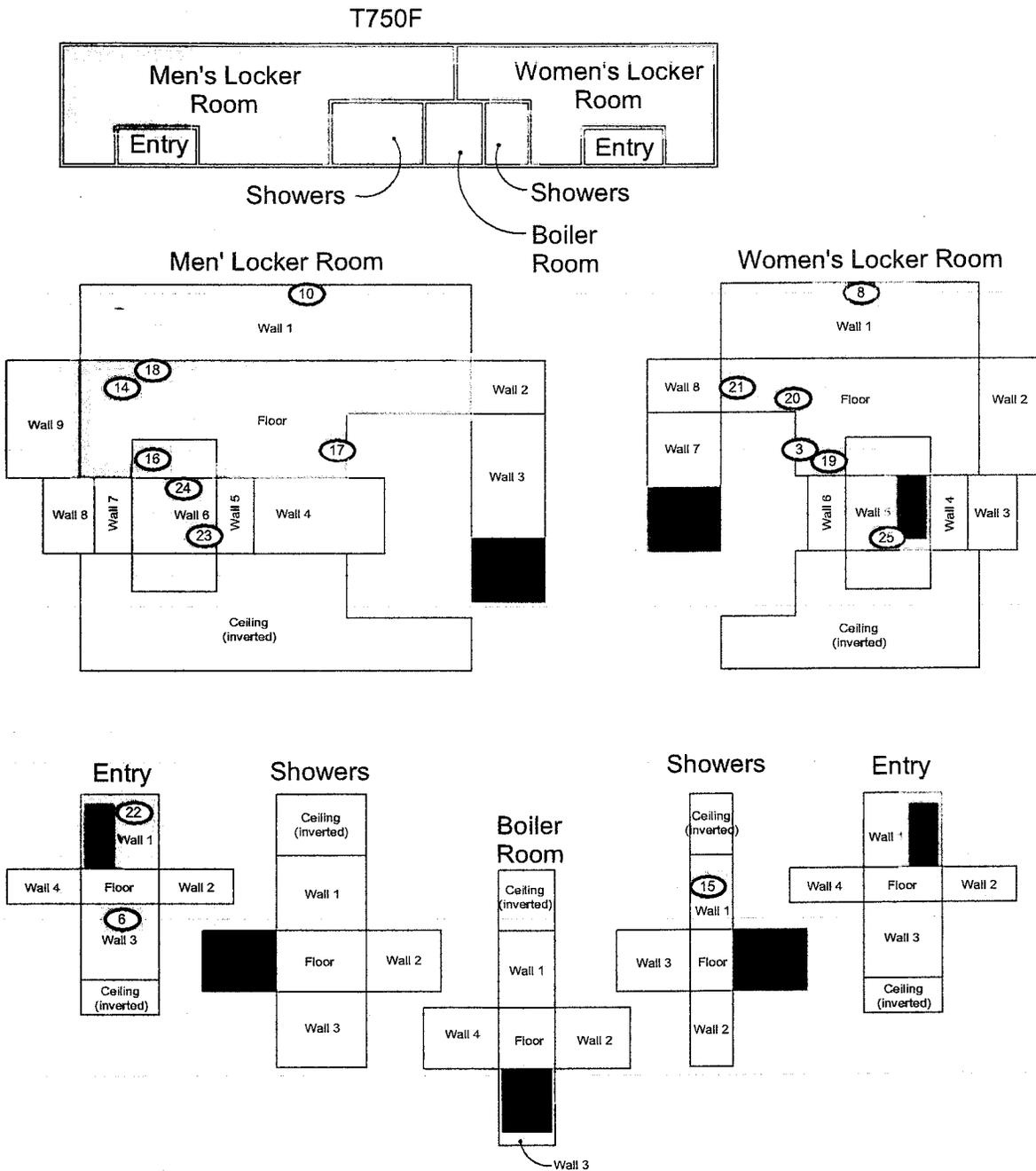
Sample Location Number	Instrument ID#	Gross Counts (cpm)	Net Activity (dpm/100 cm ²)
1	5	1	1.2
2	13	1	0.6
3	5	0	-0.3
4	13	0	-0.9
5	7	0	0.0
6	5	0	-0.3
7	11	0	-0.9
8	12	0	-1.5
9	7	1	1.5
10	7	2	3.0
11	5	0	-0.3
12	7	3	4.5
13	12	4	4.5
14	5	0	-0.3
15	7	0	0.0
16	5	1	1.2
17	7	2	3.0
18	5	0	-0.3
19	7	0	0.0
20	5	0	-0.3
21	7	2	3.0
22	5	2	2.7
23	7	0	0.0
24	5	1	1.2
25	7	0	0.0
		MIN	-1.5
		MAX	4.5
		MEAN	0.9
		SD	1.7
		Transuranic DCGL_w	20

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PRE-DEMOLITION SURVEY FOR T750F

Survey Area: 5 Survey Unit: T750F-A-006 Classification: 3
 Building: T750F
 Survey Unit Description: T750F Interior & Exterior
 Total Area: 610 sq. m. Total Floor Area: 77 sq. m.

T750F Interior

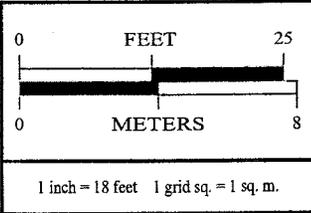
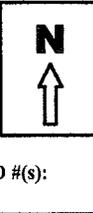


SURVEY MAP LEGEND

- ⊙ Smear & TSA Location
- ⊠ Smear, TSA & Sample Location
- Open/Inaccessible Area
- Area in Another Survey Unit

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Scan Survey Information
 Survey Instrument ID #(s) & RCT ID #(s):
 1, 2, 3, 8, 10



U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707 Prepared for: KAISER HILL

CH2MHILL
 Communications Group

MAP ID: 03-01781T750F-SC May 20, 2003

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PRE-DEMOLITION SURVEY FOR T750F

Survey Area: 5

Survey Unit: T750F-A-006

Classification: 3

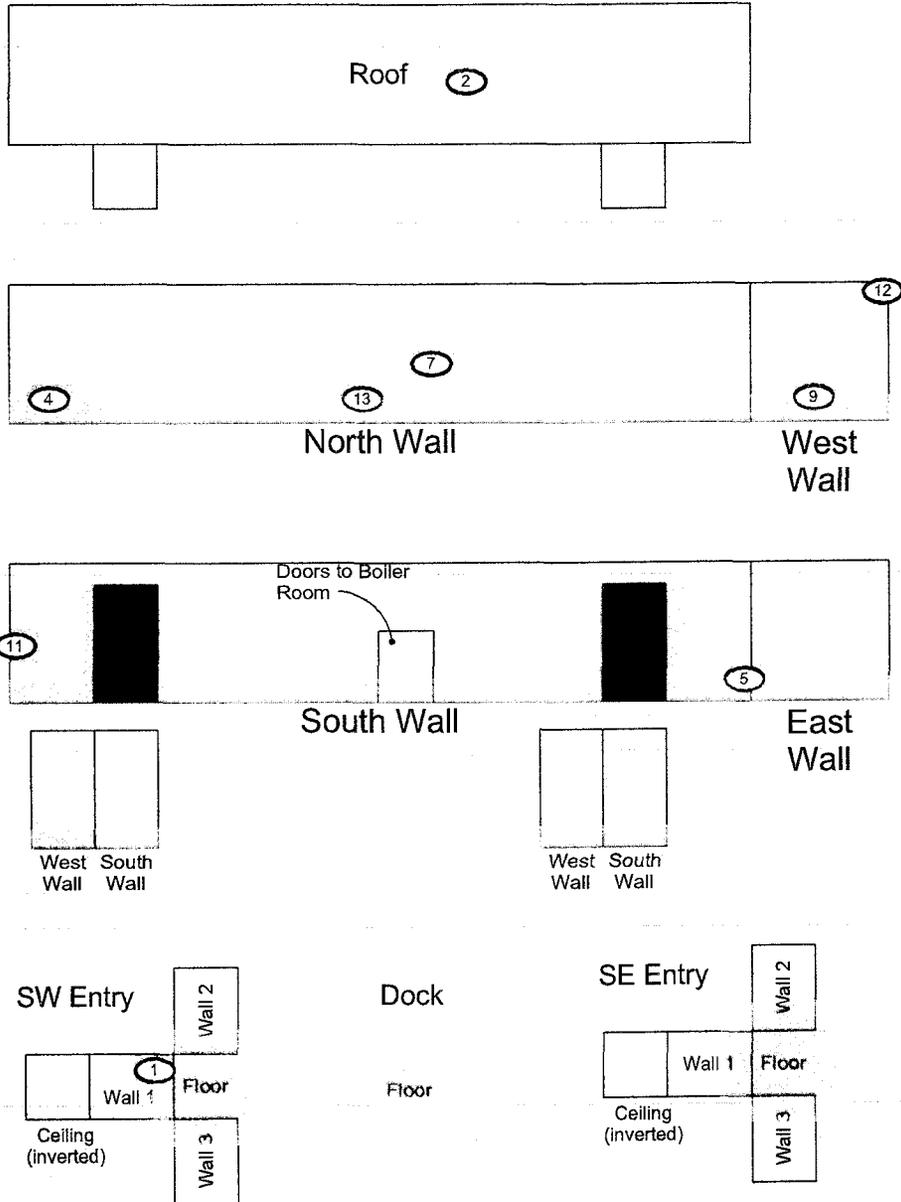
Building: T750F

Survey Unit Description: T750F Interior & Exterior

Total Area: 610 sq. m.

Total Floor Area: 77 sq. m.

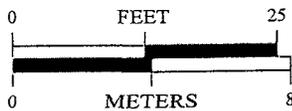
T750F (Exterior)



SURVEY MAP LEGEND

- Smear & TSA Location
- Smear, TSA & Sample Location
- Open/Inaccessible Area
- Area in Another Survey Unit

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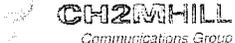
1 inch = 18 feet 1 grid sq. = 1 sq. m.

Scan Survey Information
Survey Instrument ID #(s) & RCT ID #(s):
1, 2, 3, 8, 10

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707

Prepared for:



MAP ID: 03-0178\T750F-EX-SC

May 20, 2003

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SURVEY UNIT T750G-A-007
RADIOLOGICAL DATA SUMMARY - PDS

Survey Unit Description: T750G (Interior & Exterior)

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T750G-A-007
PDS Data Summary

<u>Total Surface Activity Measurements</u>			<u>Removable Activity Measurements</u>		
	25	25		25	25
	Number Required	Number Obtained		Number Required	Number Obtained
MIN	-16.2	dpm/100 cm ²	MIN	-1.2	dpm/100 cm ²
MAX	84.7	dpm/100 cm ²	MAX	3.6	dpm/100 cm ²
MEAN	9.0	dpm/100 cm ²	MEAN	-0.1	dpm/100 cm ²
STD DEV	22.5	dpm/100 cm ²	STD DEV	1.3	dpm/100 cm ²
TRANSURANIC DCGL _w	100	dpm/100 cm ²	TRANSURANIC DCGL _w	20	dpm/100 cm ²

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**SURVEY UNIT T750G-A-007
TSA - DATA SUMMARY**

Manufacturer:	NE Tech						
Model:	DP-6						
Instrument ID#:	1	2	5	13	14	15	16
Serial #:	3114	1379	3107	3107	3114	3107	3115
Cal Due Date:	9/3/03	6/30/03	8/6/03	8/6/03	9/3/03	8/6/03	9/24/03
Analysis Date:	4/7/03	4/7/03	4/15/03	4/17/03	4/17/03	4/23/03	4/23/03
Alpha Eff. (c/d):	0.219	0.219	0.218	0.218	0.219	0.218	0.218
Alpha Bkgd (cpm)	6.7	1.3	1.3	3.0	5.3	0.0	2.0
Sample Time (min)	1.5	1.5	1.5	1.5	1.5	1.5	1.5
LAB Time (min)	1.5	1.5	1.5	1.5	1.5	1.5	1.5
MDC (dpm/100cm²)	48.0	48.0	48.0	48.0	48.0	48.0	48.0

Sample Location Number	Instrument ID#:	Sample Gross Counts (cpm)	Sample Gross Activity (dpm/100cm ²)	LAB Gross Counts (cpm)	LAB Gross Activity (dpm/100cm ²)	Sample Net Activity (dpm/100cm ²) ^{1,2}
1	14	8.0	36.5	7.3	33.3	20.3
2	1	4.7	21.5	7.3	33.3	5.2
3	2	0.7	3.2	1.3	5.9	-13.0
4	2	2.0	9.1	0.7	3.2	-7.1
5*	14	5.3	24.2	2.7	12.3	8.0
6	2	2.0	9.1	2.0	9.1	-7.1
7	2	4.0	18.3	2.7	12.3	2.0
8	2	4.0	18.3	2.7	12.3	2.0
9	1	4.7	21.5	8.0	36.5	5.2
10	14	15.3	69.9	8.0	36.5	53.6
11	2	1.3	5.9	2.7	12.3	-10.3
12*	14	4.7	21.5	2.0	9.1	5.2
13	2	4.0	18.3	0.7	3.2	2.0
14	13	22.0	100.9	4.0	18.3	84.7
15	2	2.7	12.3	1.3	5.9	-3.9
16	2	0.7	3.2	0.7	3.2	-13.0
17	1	6.7	30.6	4.0	18.3	14.4
18	2	0.0	0.0	0.7	3.2	-16.2
19	2	2.0	9.1	1.3	5.9	-7.1
20	1	6.7	30.6	4.0	18.3	14.4
21	1	8.7	39.7	6.0	27.4	23.5
22	1	8.7	39.7	6.0	27.4	23.5
23	15	10.7	49.1	5.3	24.3	32.8
24	15	5.3	24.3	2.7	12.4	8.1
25	15	3.3	15.1	4.7	21.6	-1.1

1 - Average LAB used to subtract from Gross Sample Activity

* - The initial Sample Net Activity for locations 5 and 12 was 162.0 and 159.3 dpm/100cm² respectively.

These locations were sealed and re-surveyed after a decay period. Re-survey results are reported.

No further investigation is required.

16.2	Sample LAB Average
MIN	-16.2
MAX	84.7
MEAN	9.0
SD	22.5
Transuranic DCGL _{LV}	100

QC Measurements

23 QC	16	2.0	9.2	5.3	24.3	-16.7
15 QC	15	8.0	36.7	6.0	27.5	10.8

1 - Average QC LAB used to subtract from Gross Sample Activity

25.9	QC LAB Average
MIN	-16.7
MAX	10.8
MEAN	-3.0
Transuranic DCGL _{LV}	100

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**SURVEY UNIT T750G-A-007
RSC - DATA SUMMARY**

Manufacturer:	Eberline	Eberline	Eberline	Eberline
Model:	SAC-4	SAC-4	SAC-4	SAC-4
Instrument ID#:	6	7	8	9
Serial #:	1164	952	971	924
Cal Due Date:	6/17/03	7/9/03	8/6/03	10/23/03
Analysis Date:	5/2/03	5/2/03	5/2/03	5/2/03
Alpha Eff. (c/d):	0.33	0.33	0.33	0.33
Alpha Bkgd (cpm)	0.3	0.3	0.4	0.0
Sample Time (min)	2	2	2	2
Bkgd Time (min)	10	10	10	10
MDC (dpm/100cm²)	9.0	9.0	9.0	9.0

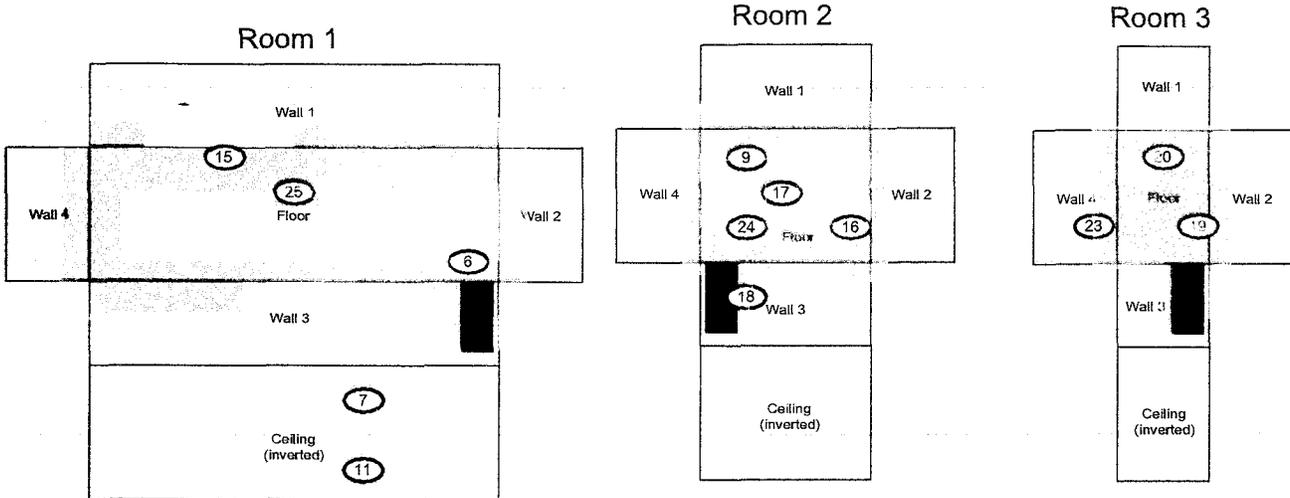
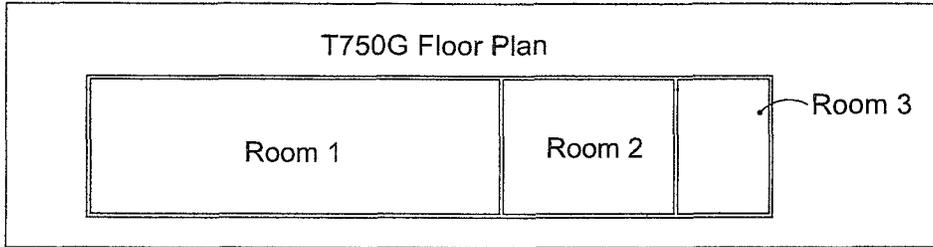
Sample Location Number	Instrument ID#	Gross Counts (cpm)	Net Activity (dpm/100 cm ²)
1	6	0	-0.9
2	7	0	-0.9
3	8	1	1.5
4	9	0	0.0
5	6	2	2.1
6	7	0	0.0
7	8	0	-1.2
8	9	1	1.5
9	6	0	-0.9
10	7	1	0.6
11	8	0	-1.2
12	9	0	0.0
13	6	0	-0.9
14	7	3	3.6
15	8	2	1.8
16	9	0	0.0
17	6	0	-0.9
18	7	0	-0.9
19	8	0	-1.2
20	9	0	0.0
21	6	0	-0.9
22	7	0	-0.9
23	8	0	-1.2
24	9	0	0.0
25	6	0	-0.9
		MIN	-1.2
		MAX	3.6
		MEAN	-0.1
		SD	1.3
		Transuranic DCGL_w	20

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PRE-DEMOLITION SURVEY FOR T750G

Survey Area: 5 Survey Unit: T750G-A-007 Classification: 3
 Building: T750G
 Survey Unit Description: T750G Interior & Exterior
 Total Area: 510 sq. m. Total Floor Area: 75 sq. m.

T750G Interior



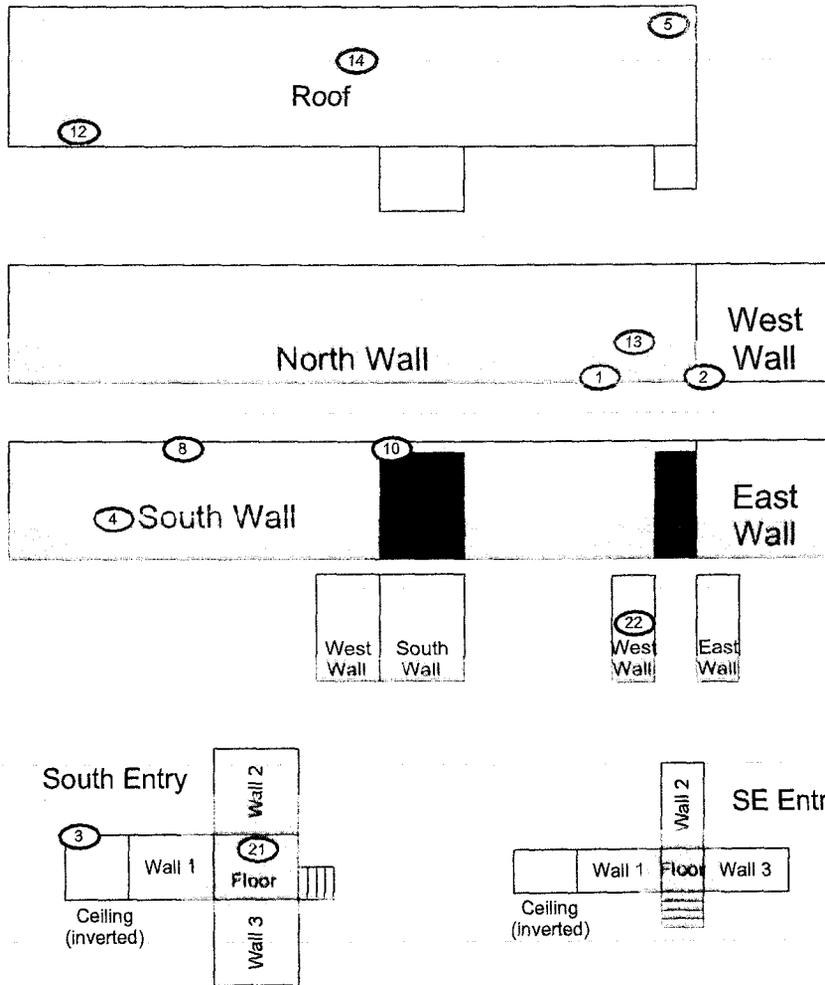
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 		<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>		<p style="text-align: center;">N</p> <p style="text-align: center;">↑</p>		<p style="text-align: center;">0 FEET 25</p> <p style="text-align: center;">0 METERS 8</p> <p style="text-align: center;">1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>		<p style="text-align: center;">U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p>	
		<p>Scan Survey Information Survey Instrument ID #(s) & RCT ID #(s): 3, 5, 13, 14</p>				<p style="text-align: center;">CH2MHILL Communications Group</p>		<p>MAP ID: 03-01781T750G-SC May 15, 2003</p>	

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PRE-DEMOLITION SURVEY FOR T750G

Survey Area: 5 Survey Unit: T750G-A-007 Classification: 3
 Building: T750G
 Survey Unit Description: T750G Interior & Exterior
 Total Area: 510 sq. m. Total Floor Area: 75 sq. m.

T750G Exterior



<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 		<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p align="center">N</p> <p align="center">↑</p>	<p align="center">0 FEET 25</p> <p align="center">0 METERS 8</p> <p align="center">1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p align="center">U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <p align="center">CH2MHILL Communications Group</p> <p align="center">MAP ID: 03-01781T750G-EX-SC Kaiser Hill May 15, 2003</p>
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SURVEY UNIT 764-A-008
RADIOLOGICAL DATA SUMMARY - PDS

Survey Unit Description: B764 (Interior & Exterior)

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764-A-008
PDS Data Summary

<u>Total Surface Activity Measurements</u>			<u>Removable Activity Measurements</u>		
	25	25		25	
	Number Required	Number Obtained		Number Required	Number Obtained
MIN	-9.4	dpm/100 cm ²	MIN	-0.9	dpm/100 cm ²
MAX	36.5	dpm/100 cm ²	MAX	3.0	dpm/100 cm ²
MEAN	10.5	dpm/100 cm ²	MEAN	0.5	dpm/100 cm ²
STD DEV	12.8	dpm/100 cm ²	STD DEV	1.1	dpm/100 cm ²
TRANSURANIC DCGL _w -	100	dpm/100 cm ²	TRANSURANIC DCGL _w	20	dpm/100 cm ²

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**SURVEY UNIT 764-A-008
TSA - DATA SUMMARY**

Manufacturer:	NE Tech	NE Tech	NE Tech	NE Tech
Model:	DP-6	DP-6	DP-6	DP-6
Instrument ID#:	1	6	7	9
Serial #:	1379	3115	3107	2391
Cal Due Date:	6/30/03	9/24/03	8/6/03	7/10/03
Analysis Date:	4/7/03	4/15/03	4/15/03	4/15/03
Alpha Eff. (c/d):	0.219	0.218	0.218	0.220
Alpha Bkgd (cpm)	1.3	1.3	1.3	0.7
Sample Time (min)	1.5	1.5	1.5	1.5
LAB Time (min)	1.5	1.5	1.5	1.5
MDC (dpm/100cm ²)	48.0	48.0	48.0	48.0

Sample Location Number	Instrument ID#:	Sample Gross Counts (cpm)	Sample Gross Activity (dpm/100cm ²)	LAB Gross Counts (cpm)	LAB Gross Activity (dpm/100cm ²)	Sample Net Activity (dpm/100cm ²) ¹
1	1	2.0	9.1	0.0	0.0	-0.2
2	1	4.7	21.5	1.3	5.9	12.1
3	1	3.3	15.1	2.7	12.3	5.7
4	1	2.7	12.3	0.0	0.0	2.9
5	1	5.3	24.2	0.7	3.2	14.8
6	1	2.7	12.3	2.7	12.3	2.9
7	7	6.0	27.5	3.3	15.1	18.1
8	1	9.3	42.5	2.7	12.3	33.1
9	1	5.3	24.2	2.0	9.1	14.8
10	6	10.0	45.9	1.3	6.0	36.5
11	1	0.7	3.2	2.7	12.3	-6.2
12	7	9.3	42.7	6.7	30.7	33.3
13	1	5.3	24.2	4.0	18.3	14.8
14	6	8.0	36.7	2.0	9.2	27.3
15	1	0.0	0.0	4.0	18.3	-9.4
16	1	4.7	21.5	0.7	3.2	12.1
17	1	6.7	30.6	2.7	12.3	21.2
18	1	0.7	3.2	2.0	9.1	-6.2
19	1	4.7	21.5	1.3	5.9	12.1
20	1	3.3	15.1	1.3	5.9	5.7
21	1	2.7	12.3	1.3	5.9	2.9
22	1	3.3	15.1	1.3	5.9	5.7
23	1	2.0	9.1	2.0	9.1	-0.2
24	1	0.7	3.2	1.3	5.9	-6.2
25	1	5.3	24.2	1.3	5.9	14.8

¹ - Average LAB used to subtract from Gross Sample Activity

9.4	Sample LAB Average
MIN	-9.4
MAX	36.5
MEAN	10.5
SD	12.8
Transuranic DCGL _{av}	100

QC Measurements

12 QC	9	8.0	36.4	5.3	24.1	15.2
14 QC	9	8.0	36.4	4.0	18.2	15.2

¹ - Average QC LAB used to subtract from Gross Sample Activity

21.1	QC LAB Average
MIN	15.2
MAX	15.2
MEAN	15.2
Transuranic DCGL _{av}	100

100

**SURVEY UNIT 764-A-008
RSC - DATA SUMMARY**

Manufacturer:	Eberline	Eberline	Eberline	Eberline	Eberline
Model:	SAC-4	SAC-4	SAC-4	SAC-4	SAC-4
Instrument ID#:	2	3	4	5	8
Serial #:	767	1164	830	952	1164
Cal Due Date:	5/13/03	6/17/03	8/25/03	7/9/03	6/17/03
Analysis Date:	4/7/03	4/7/03	4/7/03	4/7/03	4/15/03
Alpha Eff. (c/d):	0.33	0.33	0.33	0.33	0.33
Alpha Bkgd (cpm)	0.0	0.1	0.0	0.0	0.3
Sample Time (min)	2	2	2	2	2
Bkgd Time (min)	10	10	10	10	10
MDC (dpm/100cm²)	9.0	9.0	9.0	9.0	9.0

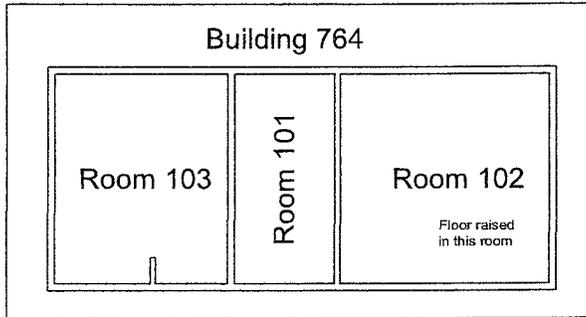
Sample Location Number	Instrument ID#	Gross Counts (cpm)	Net Activity (dpm/100 cm ²)
1	2	0	0.0
2	3	0	-0.3
3	4	1	1.5
4	5	2	3.0
5	2	1	1.5
6	3	1	1.2
7	8	0	-0.9
8	4	0	0.0
9	5	0	0.0
10	8	0	-0.9
11	2	0	0.0
12	8	2	2.1
13	3	0	-0.3
14	8	0	-0.9
15	4	1	1.5
16	5	0	0.0
17	2	0	0.0
18	3	1	1.2
19	4	0	0.0
20	5	0	0.0
21	2	0	0.0
22	3	1	1.2
23	4	2	3.0
24	5	0	0.0
25	2	0	0.0
		MIN	-0.9
		MAX	3.0
		MEAN	0.5
		SD	1.1
		Transuranic DCGL_w	20

(01)

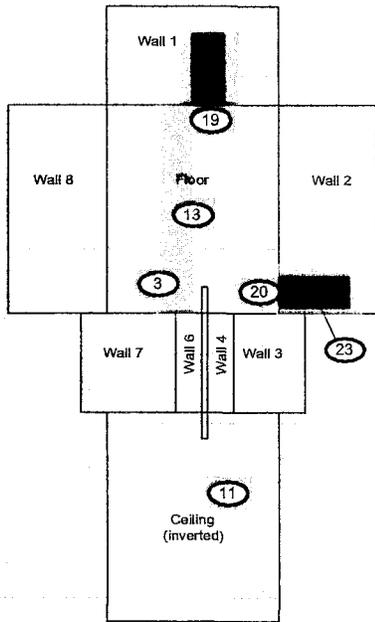
PRE-DEMOLITION SURVEY FOR B764

Survey Area: 5 Survey Unit: 764-A-008 Classification: 3
 Building: 764
 Survey Unit Description: B764 Interior & Exterior
 Total Area: 872 sq. m. Total Floor Area: 137 sq. m.

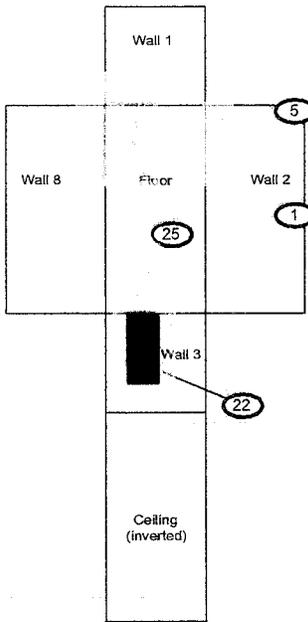
B764 Interior



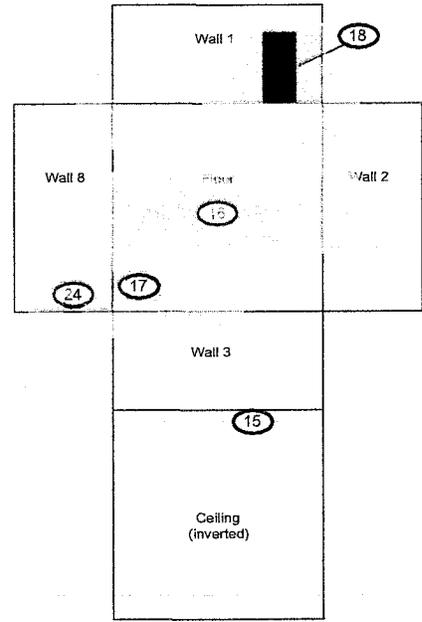
Room 103



Room 101



Room 102



SURVEY MAP LEGEND

- Smear & TSA Location
- Smear, TSA & Sample Location
- Open/Inaccessible Area
- Area in Another Survey Unit

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Scan Survey Information
 Survey Instrument ID #(s) & RCT ID #(s):
 1, 6, 7, 9

N

0 FEET 25

 0 METERS 8

1 inch = 18 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707 Prepared for:

CH2MHILL
 Communications Group

KAISER HILL

MAP ID: 03-0178\764-1-SC May 20, 2003

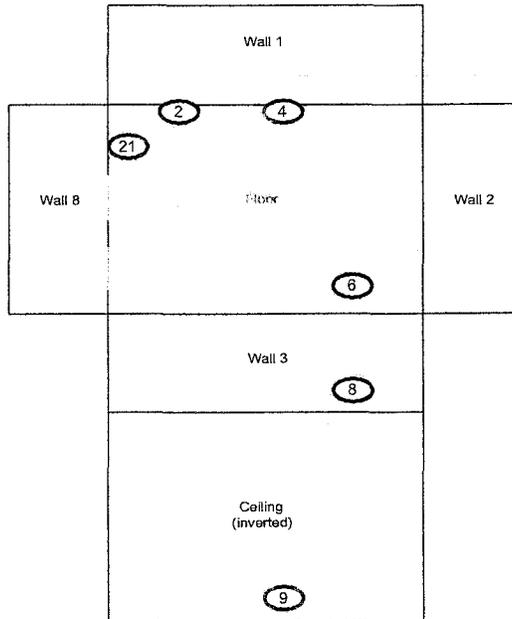
102

PRE-DEMOLITION SURVEY FOR B764

Survey Area: 5 Survey Unit: 764-A-008 Classification: 3
 Building: 764
 Survey Unit Description: B764 Interior & Exterior
 Total Area: 872 sq. m. Total Floor Area: 137 sq. m.

B764 Interior

Room Basement



Scan Area

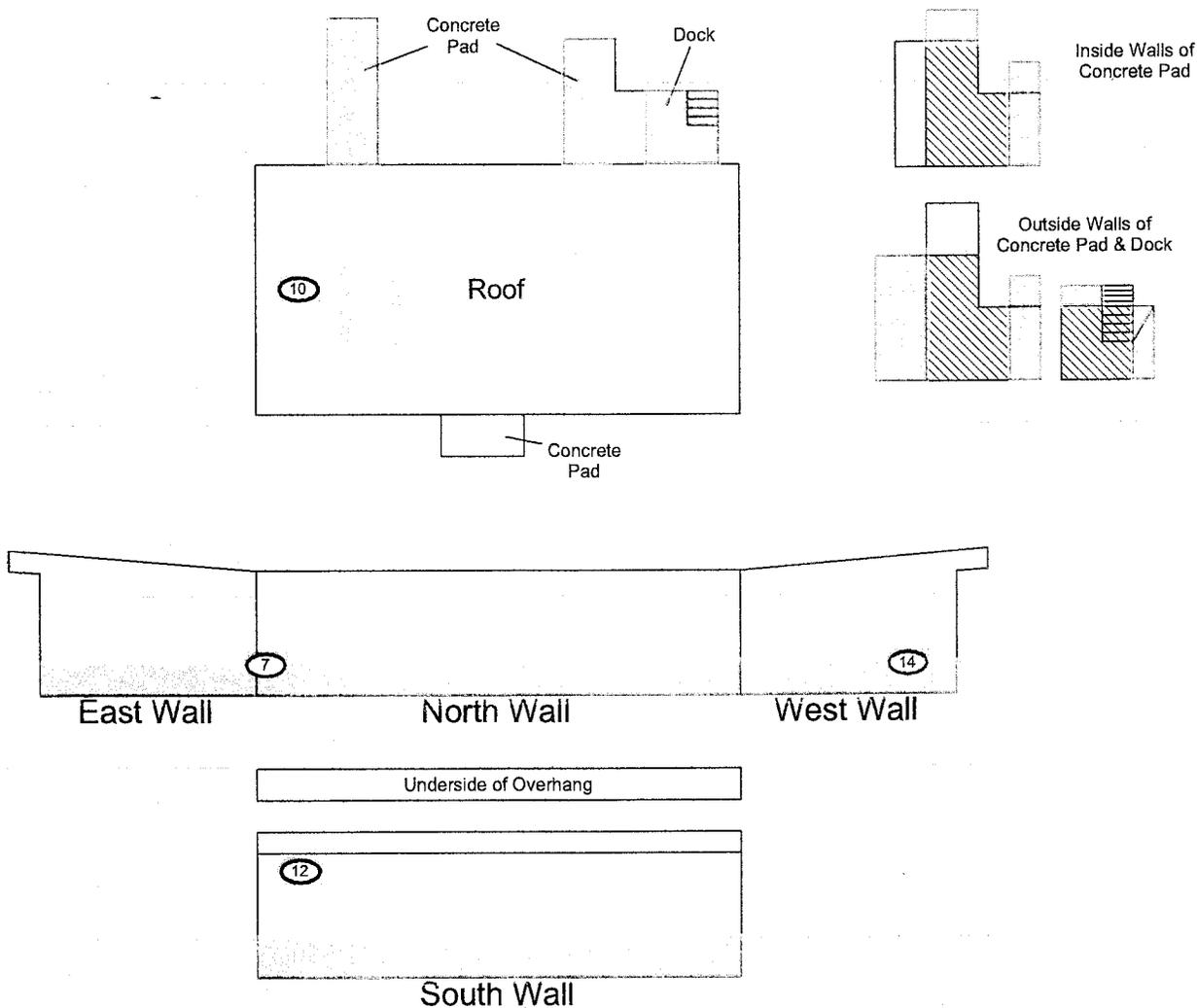
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p style="text-align: center;">N ↑</p>	<p style="text-align: center;">0 FEET 25</p> <p style="text-align: center;">0 METERS 8</p> <p style="text-align: center;">1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p style="text-align: center;">U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-between;">   </div> <p style="text-align: center;">MAP ID: 03-0178764-2-SC May 20, 2003</p>
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103

PRE-DEMOLITION SURVEY FOR B764

Survey Area: 5 Survey Unit: 764-A-008 Classification: 3
 Building: 764
 Survey Unit Description: B764 Interior & Exterior
 Total Area: 872 sq. m. Total Roof Area: 105 sq. m.

B764 Exterior



<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> ④ Smear & TSA Location ◊ Smear, TSA & Sample Location ■ Open/Inaccessible Area □ Area in Another Survey Unit 		<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p> <p>↑</p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <p>CH2MHILL Communications Group</p> <p>Kaiser Hill</p> <p>MAP ID: 03-01781764-EX-SC May 20, 2003</p>
<p>Scan Survey Information Survey Instrument ID #(s) & RCT ID #(s): 1, 6, 7, 9</p>		<p>Scan Area</p>			

104

SURVEY UNIT 765-A-009
RADIOLOGICAL DATA SUMMARY - PDS

Survey Unit Description: B765 (Interior & Exterior)

105

765-A-009
PDS Data Summary

<u>Total Surface Activity Measurements</u>			<u>Removable Activity Measurements</u>		
	25	25		25	25
	Number Required	Number Obtained		Number Required	Number Obtained
MIN	-14.3	dpm/100 cm ²	MIN	-1.2	dpm/100 cm ²
MAX	69.9	dpm/100 cm ²	MAX	2.1	dpm/100 cm ²
MEAN	17.2	dpm/100 cm ²	MEAN	-0.2	dpm/100 cm ²
STD DEV	22.7	dpm/100 cm ²	STD DEV	0.9	dpm/100 cm ²
TRANSURANIC DCGL _w -	100	dpm/100 cm ²	TRANSURANIC DCGL _w	20	dpm/100 cm ²

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**SURVEY UNIT 765-A-009
TSA - DATA SUMMARY**

Manufacturer:	NE Tech	NE Tech	NE Tech
Model:	DP-6	DP-6	DP-6
Instrument ID#:	1	2	7
Serial #:	3114	1417	3115
Cal Due Date:	9/3/03	7/28/03	9/24/03
Analysis Date:	4/4/03	4/4/03	4/15/03
Alpha Eff. (c/d):	0.219	0.215	0.218
Alpha Bkgd (cpm)	2.7	2.0	1.3
Sample Time (min)	1.5	1.5	1.5
LAB Time (min)	1.5	1.5	1.5
MDC (dpm/100cm²)	48.0	48.0	48.0

Sample Location Number	Instrument ID#:	Sample Gross Counts (cpm)	Sample Gross Activity (dpm/100cm ²)	LAB Gross Counts (cpm)	LAB Gross Activity (dpm/100cm ²)	Sample Net Activity (dpm/100cm ²) ¹
1	2	8.7	40.5	3.3	15.3	20.1
2	2	7.3	34.0	2.0	9.3	13.6
3	7	12.7	58.3	4.0	18.3	37.9
4	2	3.3	15.3	5.3	24.7	-5.0
5	1	15.3	69.9	8.0	36.5	49.5
6	2	5.3	24.7	2.7	12.6	4.3
7	1	14.7	67.1	8.0	36.5	46.8
8	2	19.4	90.2	2.0	9.3	69.9
9	2	13.3	61.9	4.7	21.9	41.5
10	2	11.3	52.6	7.3	34.0	32.2
11	1	14.0	63.9	8.0	36.5	43.6
12	1	6.0	27.4	4.7	21.5	7.1
13	7	3.0	13.8	2.7	12.4	-6.6
14	2	3.3	15.3	4.0	18.6	-5.0
15	2	10.0	46.5	4.7	21.9	26.2
16	1	5.3	24.2	4.0	18.3	3.9
17	1	5.3	24.2	1.3	5.9	3.9
18	2	1.3	6.0	2.0	9.3	-14.3
19	1	9.3	42.5	4.5	20.5	22.1
20	2	2.7	12.6	5.3	24.7	-7.8
21	1	10.7	48.9	8.7	39.7	28.5
22	2	2.0	9.3	1.3	6.0	-11.0
23	1	6.0	27.4	4.7	21.5	7.1
24	1	10.7	48.9	6.0	27.4	28.5
25	2	2.7	12.6	1.3	6.0	-7.8

¹ - Average LAB used to subtract from Gross Sample Activity

20.3	Sample LAB Average
MIN	-14.3
MAX	69.9
MEAN	17.2
SD	22.7
Transuranic DCGL _w	100

QC Measurements

19 QC	2	2.0	9.3	1.3	6.0	-7.5
2 QC	7	17.3	79.4	6.0	27.5	62.6

¹ - Average QC LAB used to subtract from Gross Sample Activity

16.8	QC LAB Average
MIN	-7.5
MAX	62.6
MEAN	27.5
Transuranic DCGL _w	100

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**SURVEY UNIT 765-A-009
RSC - DATA SUMMARY**

Manufacturer:	Eberline	Eberline	Eberline	Eberline	Eberline
Model:	SAC-4	SAC-4	SAC-4	SAC-4	SAC-4
Instrument ID#:	3	4	5	6	8
Serial #:	767	1164	830	952	1164
Cal Due Date:	5/13/03	6/17/03	8/25/03	7/9/03	6/17/03
Analysis Date:	4/4/03	4/4/03	4/4/03	4/4/03	4/15/03
Alpha Eff. (c/d):	0.33	0.33	0.33	0.33	0.33
Alpha Bkgd (cpm)	0.2	0.1	0.4	0.1	0.3
Sample Time (min)	2	2	2	2	2
Bkgd Time (min)	10	10	10	10	10
MDC (dpm/100cm²)	9.0	9.0	9.0	9.0	9.0

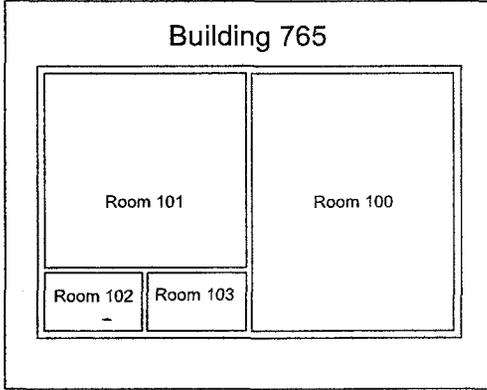
Sample Location Number	Instrument ID#	Gross Counts (cpm)	Net Activity (dpm/100 cm ²)
1	5	0	-1.2
2	6	0	-0.3
3	8	2	2.1
4	3	0	-0.6
5	4	0	-0.3
6	5	0	-1.2
7	6	0	-0.3
8	3	0	-0.6
9	4	1	1.2
10	5	0	-1.2
11	6	0	-0.3
12	3	1	0.9
13	8	0	-0.9
14	3	0	-0.6
15	4	0	-0.3
16	5	0	-1.2
17	6	0	-0.3
18	3	1	0.9
19	4	1	1.2
20	4	0	-0.3
21	5	0	-1.2
22	6	0	-0.3
23	3	1	0.9
24	4	0	-0.3
25	5	0	-1.2
		MIN	-1.2
		MAX	2.1
		MEAN	-0.2
		SD	0.9
		Transuranic DCGL _w	20

108

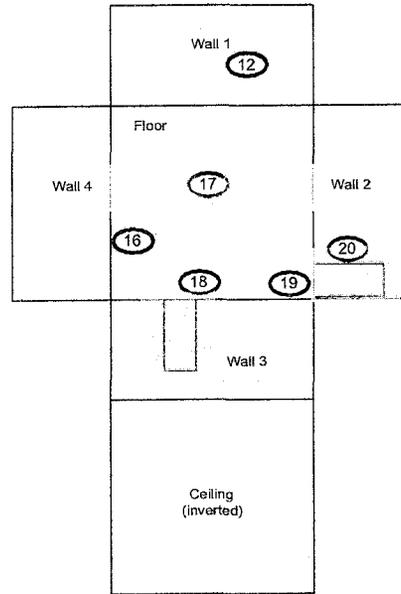
PRE-DEMOLITION SURVEY FOR B765

Survey Area: 5 Survey Unit: 765-A-009 Classification: 3
 Building: 765
 Survey Unit Description: B765 Interior & Exterior
 Total Area: 552 sq. m. Total Floor Area: 84 sq. m.

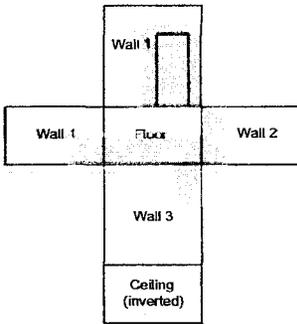
B765 Interior



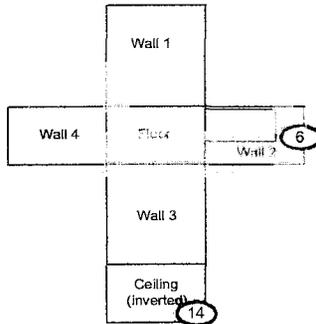
Room 101



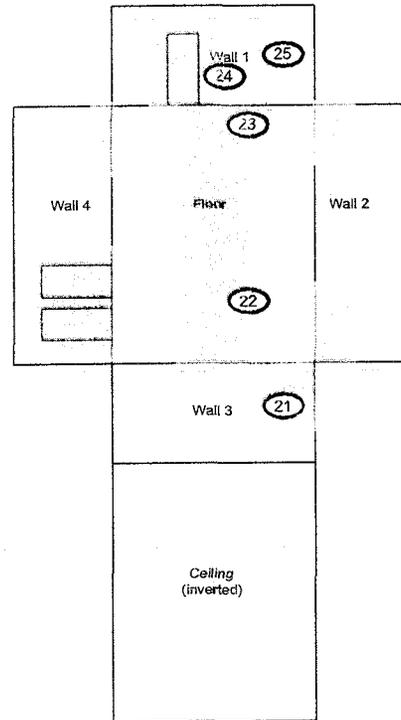
Room 102



Room 103



Room 100



Scan Area

SURVEY MAP LEGEND

- ⊕ Smear & TSA Location
- ⊠ Smear, TSA & Sample Location
- Open/Inaccessible Area
- Area in Another Survey Unit

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Survey Information
 Survey Instrument ID #(s) & RCT ID #(s):
 1, 2, 7

N

↑

0 FEET 25

0 METERS 8

1 inch = 18 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
 Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707 Prepared for:

CH2MHILL
 Communications Group

Kaiser Hill

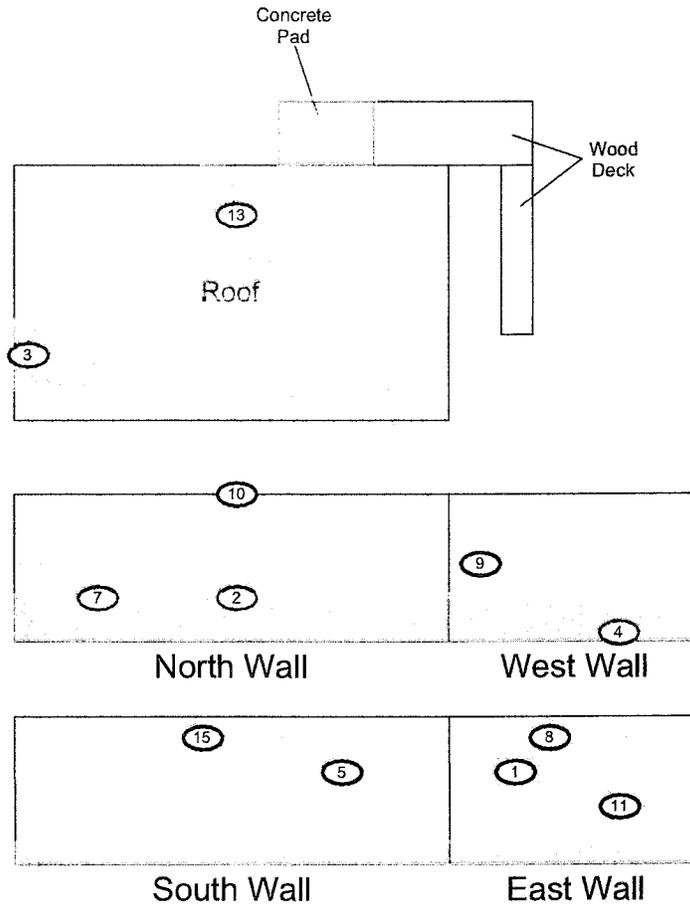
MAP ID: 03-0178765-Int-SC May 13, 2003

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PRE-DEMOLITION SURVEY FOR B765

Survey Area: 5 Survey Unit: 765-A-009 Classification: 3
 Building: 765
 Survey Unit Description: B765 Interior & Exterior
 Total Area: 552 sq. m. Total Roof Area: 91 sq. m.

B765 Exterior



<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Inaccessible Area Area in Another Survey Unit 		<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N ↑</p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <p>CH2MHILL Communications Group</p> <p>KAISER HILL</p> <p>MAP ID: 03-0178765-EX-SC May 13, 2003</p>
<p>Scan Survey Information Survey Instrument ID #(s) & RCT ID #(s): 1, 2, 7</p>		<p style="text-align: right;">Scan Area</p>			

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ATTACHMENT D

Chemical Data Summaries and Sample Maps

Asbestos Data Summary

Sample Number	Map Location Point	Room	Material Sampled & Location	Analytical Results
Building T750C				
T750C-05062003-315-201	1	Main	12" brown and tan vinyl floor tile with yellow mastic	None Detected
T750C-05062003-315-202	2	Main	12" beige and tan vinyl floor tile with yellow mastic	None Detected
T750C-05062003-315-203	3	Main	12" brown and white vinyl floor tile with yellow mastic	None Detected
Building T750F				
T750F-05062003-315-201	1	Men's	Beige and tan sheet vinyl flooring with 6" squares	None Detected
T750F-05062003-315-202	2	Men's	2' x 4' tan and white drywall drop ceiling panels	None Detected
T750F-05062003-315-203	3	Men's	Dark brown base cove with adhesive	None Detected
Building T750G				
T750G-05062003-315-201	1	3	Troweled-on surfacing material on drywall, east wall	None Detected
T750G-05062003-315-202	2	3	Troweled-on surfacing material on drywall, south wall	None Detected
T750G-05062003-315-203	3	2	Troweled-on surfacing material on drywall, north wall	None Detected
T750G-05062003-315-204	4	2	12" white and beige floor tile with cream mastic	None Detected
T750G-05062003-315-205	5	1	12" white and beige floor tile with tan mastic	None Detected
Building T750A				
T750A-05062003-315-201	1	3	2' x 4' white acoustical drop ceiling tile with large "worm" pattern	None Detected
T750A-05062003-315-202	2	1	2' x 4' white acoustical drop ceiling tile with large "worm" pattern	None Detected
Building 764				
764-05122003-315-201	1	102	2' x 4' white acoustical drop ceiling tile with large "worm" pattern	None Detected
764-05122003-315-202	2	102	2' x 4' white acoustical drop ceiling tile with large "worm" pattern	None Detected
Building 765				
765-05122003-315-201	1	103	2' x 4' white acoustical drop ceiling tile with large "worm" pattern	None Detected
Building 750				
750-05162003-315-201	1	123	White paint on CMU	None Detected
750-05162003-315-202	2	Corridor F	Drywall only, 2' x 10' wall panels	None Detected
750-05162003-315-203	3	118	12" brown & beige vinyl floor tile with black mastic	Tile -- 3% Chrysotile; 1.25% Point Count. Black mastic -- None Detected
750-05162003-315-204	4	123	White paint on CMU	None Detected
750-05162003-315-205	5	123	12" white & beige vinyl floor tile with black mastic	Black mastic -- 5% Chrysotile; Tile -- None Detected
750-05162003-315-206	6	Corridor D	Gray vinyl base cove with yellow adhesive and white wall plaster	Adhesive and Base Cove -- None Detected; White plaster with white paint -- 5% Chrysotile
750-05162003-315-207	7	Corridor D	Joint compound on seam of 4' x 8' drywall panel over door to Room 124	3% Chrysotile, 2% Point Count
750-05162003-315-208	8	Corridor D	Joint compound only	3% Chrysotile; 1.5% Point Cnt.

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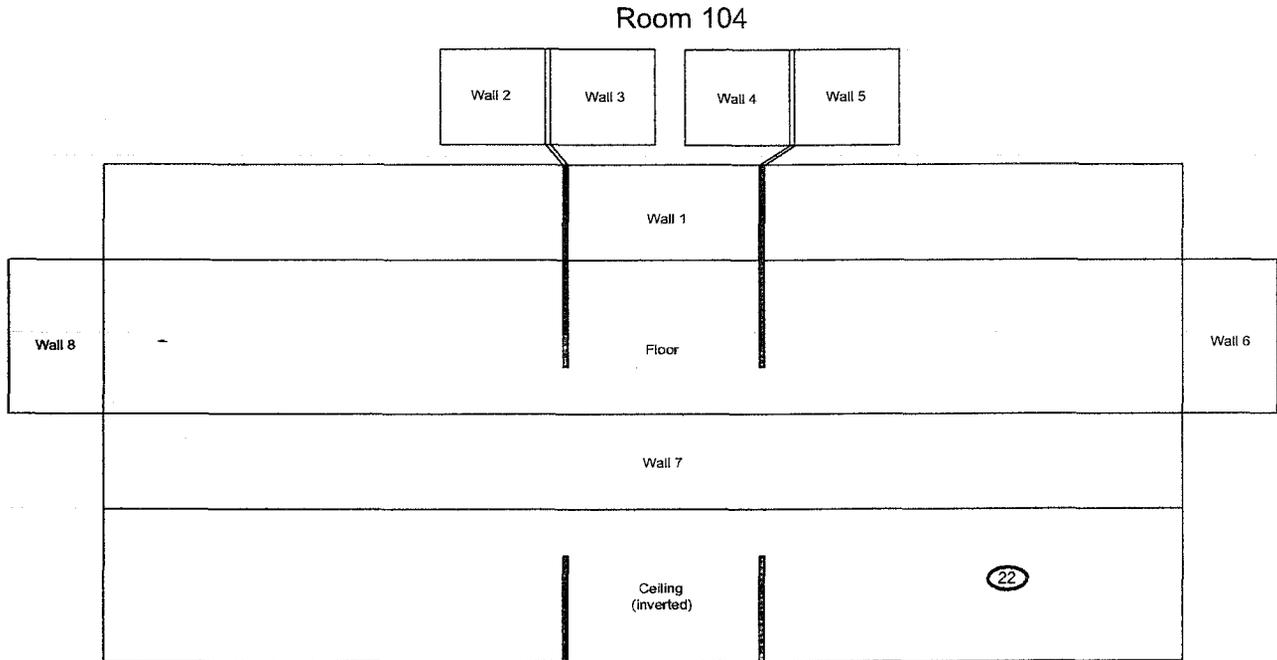
Sample Number	Map Location Point	Room	Material Sampled & Location	Analytical Results
750-05162003-315-209	9	125	12" tan & brown vinyl floor tile with black mastic	Black mastic 5% Chrysotile; Tile 3% Chrysotile, 1% Point Count
750-05162003-315-210	10	125	Dark brown base cove with dark brown adhesive	None Detected
750-05162003-315-211	11	113B	Drywall only, 2' x 10' wall panels	None Detected
750-05162003-315-212	12	Corridor A	Drywall only, 2' x 10' wall panels	None Detected
750-05162003-315-213	13	Freight Elevator, 119	Joint compound, only, on corner	5% Chrysotile
750-05162003-315-214	14	127	12" white & beige vinyl floor tile with mastic and white wall plaster	Tile and mastic -- None Detected; Plaster -- 3% Chrysotile, 1.25% Point Count
750-05162003-315-215	15	103	White paint on CMU	None Detected
750-05162003-315-216	16	103	White paint on CMU	None Detected
750-05162003-315-217	17	102A	White paint on CMU	None Detected
750-05162003-315-218	18	124	Gray sprayed-on fireproofing on concrete twin T's overhead	25% Chrysotile
750-05162003-315-219	19	124	Gray sprayed-on fireproofing on concrete twin T's overhead	25% Chrysotile
750-05162003-315-220	20	124	Gray sprayed-on fireproofing on concrete twin T's overhead	25% Chrysotile
750-05162003-315-221	21	Corridor A	2' x 4' off-white acoustical drop ceiling tile with "worm" pattern	Trace Chrysotile, 0.25% Point Count
750-05162003-315-222	22	104	2' x 4' off-white acoustical drop ceiling tile with "worm" pattern	Trace Chrysotile, 0.25% Point Count
750-05162003-315-223	23		2' x 4' off-white acoustical drop ceiling tile with "worm" pattern	Trace Chrysotile, 0 Point Count
750-05162003-315-224	24	Corridor D	2' x 4' off-white acoustical drop ceiling tile with "worm" pattern	Trace Chrysotile, 4% Amosite
750-05162003-315-225	25		2' x 4' off-white acoustical drop ceiling tile with "worm" pattern	Trace Chrysotile, 0.25% Point Count
750-05162003-315-226	26	Corridor D	2' x 4' white acoustical drop ceiling tile with "worm" pattern	None Detected
750-05162003-315-227	27	Corridor D	2' x 4' white acoustical drop ceiling tile with "worm" pattern	Trace Chrysotile, 0 Point Count; Trace Amosite, 0.25% Point Count
750-05162003-315-228	28	Corridor A	2' x 4' white acoustical drop ceiling tile with "worm" pattern	Trace Chrysotile, 0 Point Count; Trace Amosite, 0 Point Count
750-05162003-315-229	29	212A	12" beige and tan vinyl floor tile with black mastic	Tile -- 3% Chrysotile, 1.25% Point Count; Black mastic -- 10% Chrysotile
750-05162003-315-230	30		12" beige and tan vinyl floor tile with black mastic	Tile -- 3% Chrysotile, 1.25% Point Count; Black mastic -- 10% Chrysotile
750-05162003-315-231	31	North Hallway	12" beige and tan vinyl floor tile with black mastic	Tile -- 3% Chrysotile, 1% Point Count; Black mastic -- 10% Chrysotile
750-05162003-315-232	32	212A	2' x 4' white acoustical drop ceiling tile with "worm" pattern	Trace Chrysotile, Point Count 0.25%

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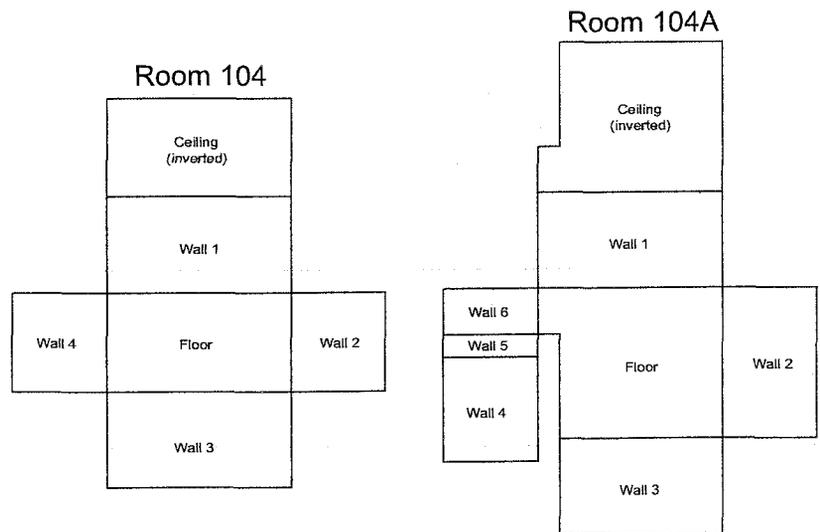
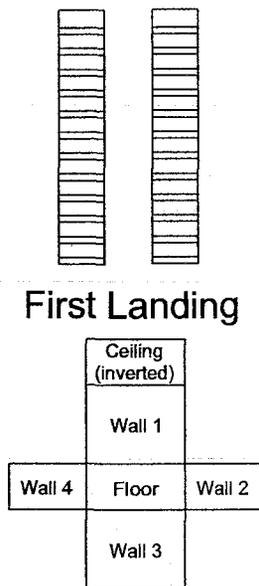
Sample Number	Map Location Point	Room	Material Sampled & Location	Analytical Results
750-05162003-315-233	33	212A	Drywall only, 2" x 10' wall panels	None Detected
750-05162003-315-234	34	North Hallway	2' x 4' white acoustical drop ceiling tile with "worm" pattern	Trace Chrysotile, 0 Point Count
750-05162003-315-235	35	North Hallway	2' x 4' white acoustical drop ceiling tile with "worm" pattern	Trace Chrysotile
750-05162003-315-236	36	West Hallway	Drywall only, 2" x 10' wall panels	None Detected
750-05162003-315-237	37	West Hallway	2' x 4' white acoustical drop ceiling tile with "worm" pattern	Trace Chrysotile, 0.25 % Point Count
750-05162003-315-238	38	South Hallway	2' x 4' white acoustical drop ceiling tile with "worm" pattern	Trace Chrysotile, 0.5 % Point Count
750-05162003-315-239	39	East Hallway	Drywall only, 2" x 10' wall panels	None Detected
750-05162003-315-240	40	Roof	Black tar roofing with silver paint at air handling unit	10 % Chrysotile
750-05162003-315-241	41	Roof	Black tar roofing with silver paint at air handling unit	6 % Chrysotile
750-05162003-315-242	42	Roof	Black tar roofing with silver paint at air handling unit	6 % Chrysotile
750-05162003-315-243	43	Roof	Gray TSI on T on air handling unit	None Detected

CHEMICAL SAMPLE MAP

Building 750 Interior Asbestos



West Stairs To Second Floor

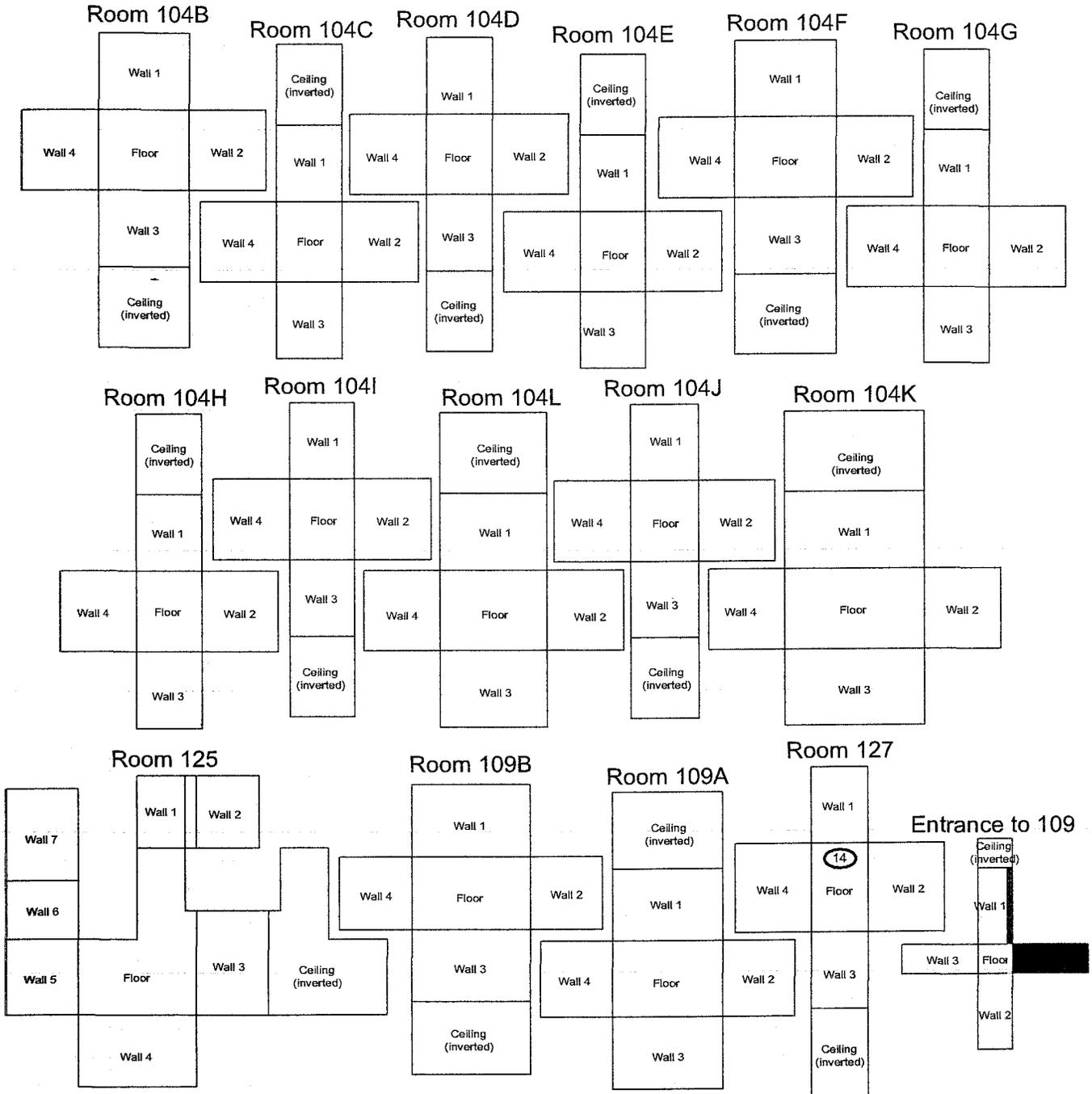


<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p style="text-align: center;">0 FEET 25</p> <p style="text-align: center;">0 METERS 8</p> <p style="text-align: center; font-size: x-small;">1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>MAP ID: 03-0178\750-P2-ASB May 21, 2003</p>
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CHEMICAL SAMPLE MAP

Building 750 Interior Asbestos



<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p style="text-align: center;">0 FEET 25</p> <p style="text-align: center;">0 METERS 8</p> <p style="text-align: center; font-size: x-small;">1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <small>Communications Group</small> </div> <div style="text-align: center;"> </div> </div> <p>MAP ID: 03-0178/B750-P3-ASB May 21, 2003</p>
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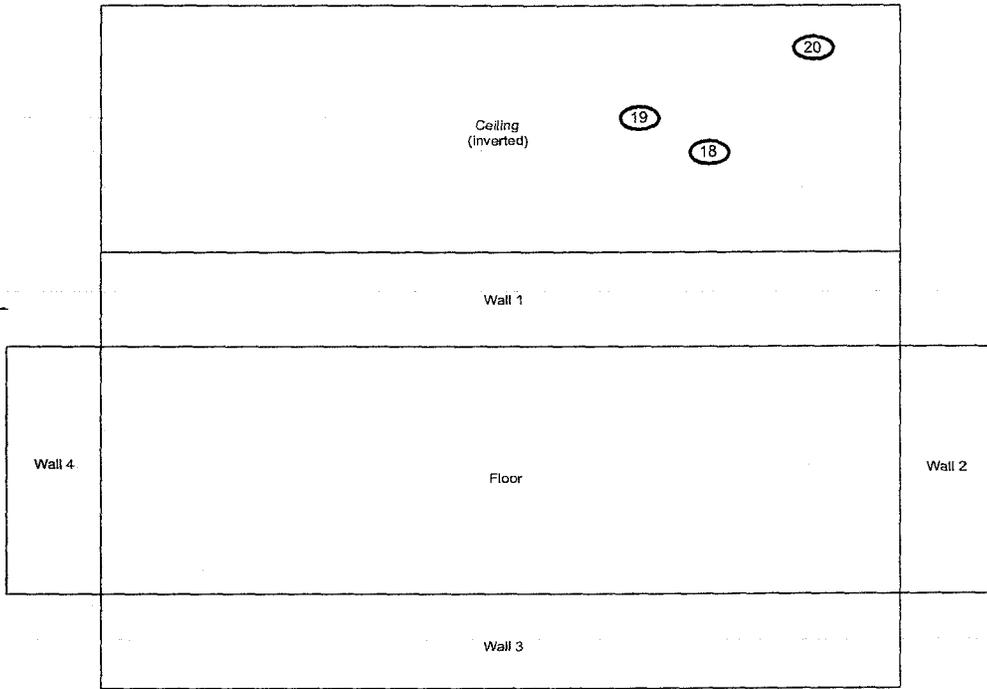
117

CHEMICAL SAMPLE MAP

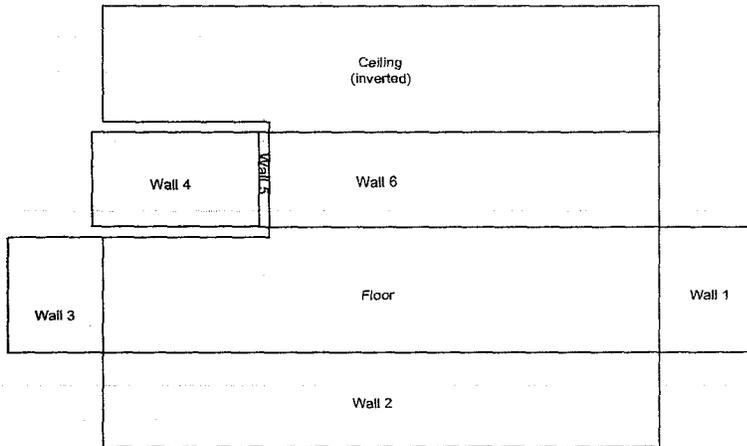
Building 750 Interior Asbestos

PAGE 4 OF 9

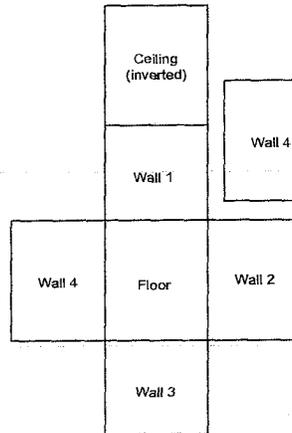
Room 124



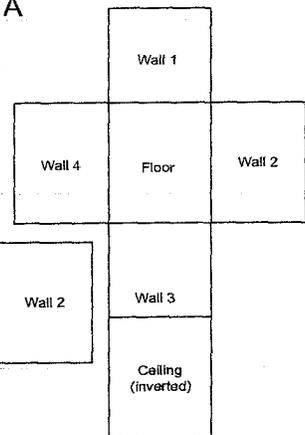
Room 128 Hallway



Room 121A



Room 121B



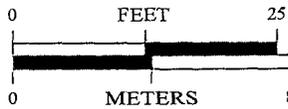
SURVEY MAP LEGEND

-  Asbestos Sample Location
-  Beryllium Sample Location
-  Lead Sample Location
-  RCRA/CERCLA Sample Location
-  PCB Sample Location

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-  Open/Inaccessible Area
-  Area in Another Survey Unit



1 inch = 18 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707

Prepared for:



MAP ID: 03-0178/750-P4-ASB

May 21, 2003

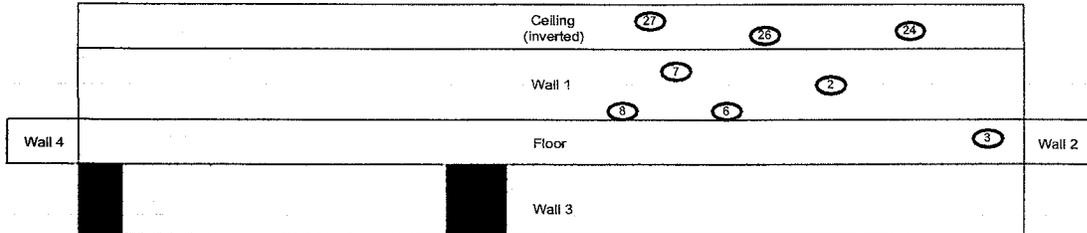
118

CHEMICAL SAMPLE MAP

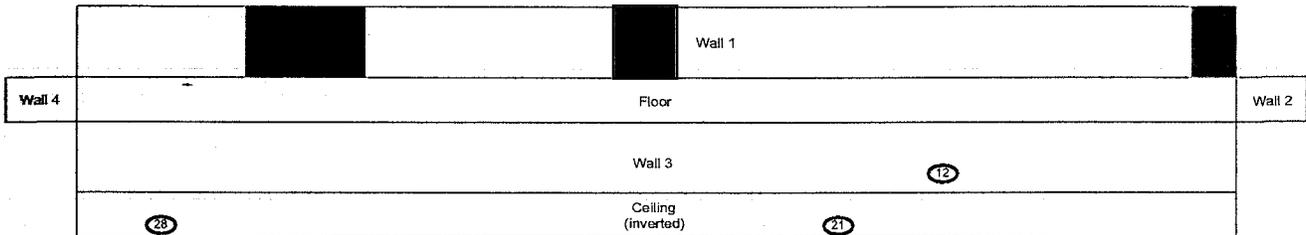
Building 750 Interior Asbestos

PAGE 5 OF 9

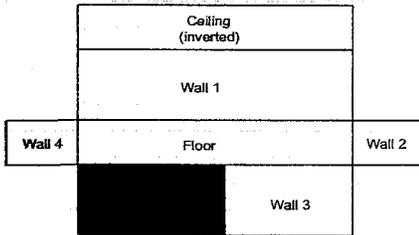
North Hallway



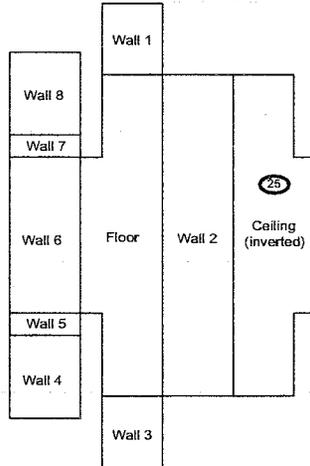
South Hallway



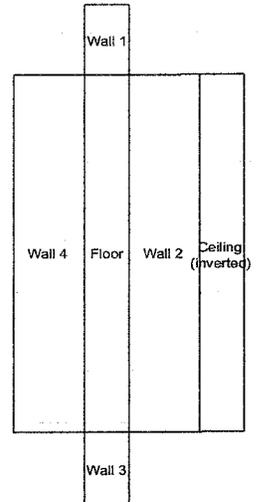
North East Hallway



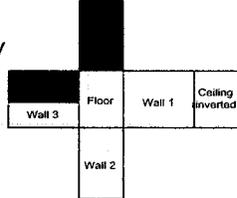
Center Hallway



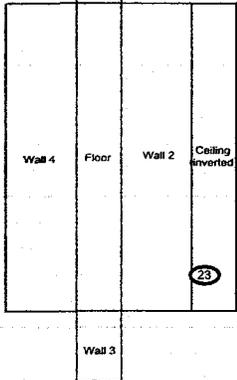
West Hallway



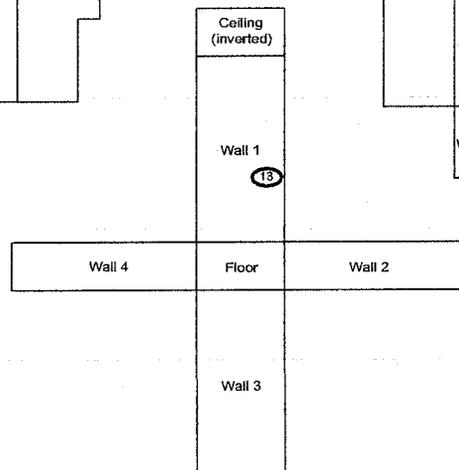
North East Hallway



East Hallway



East Elevator

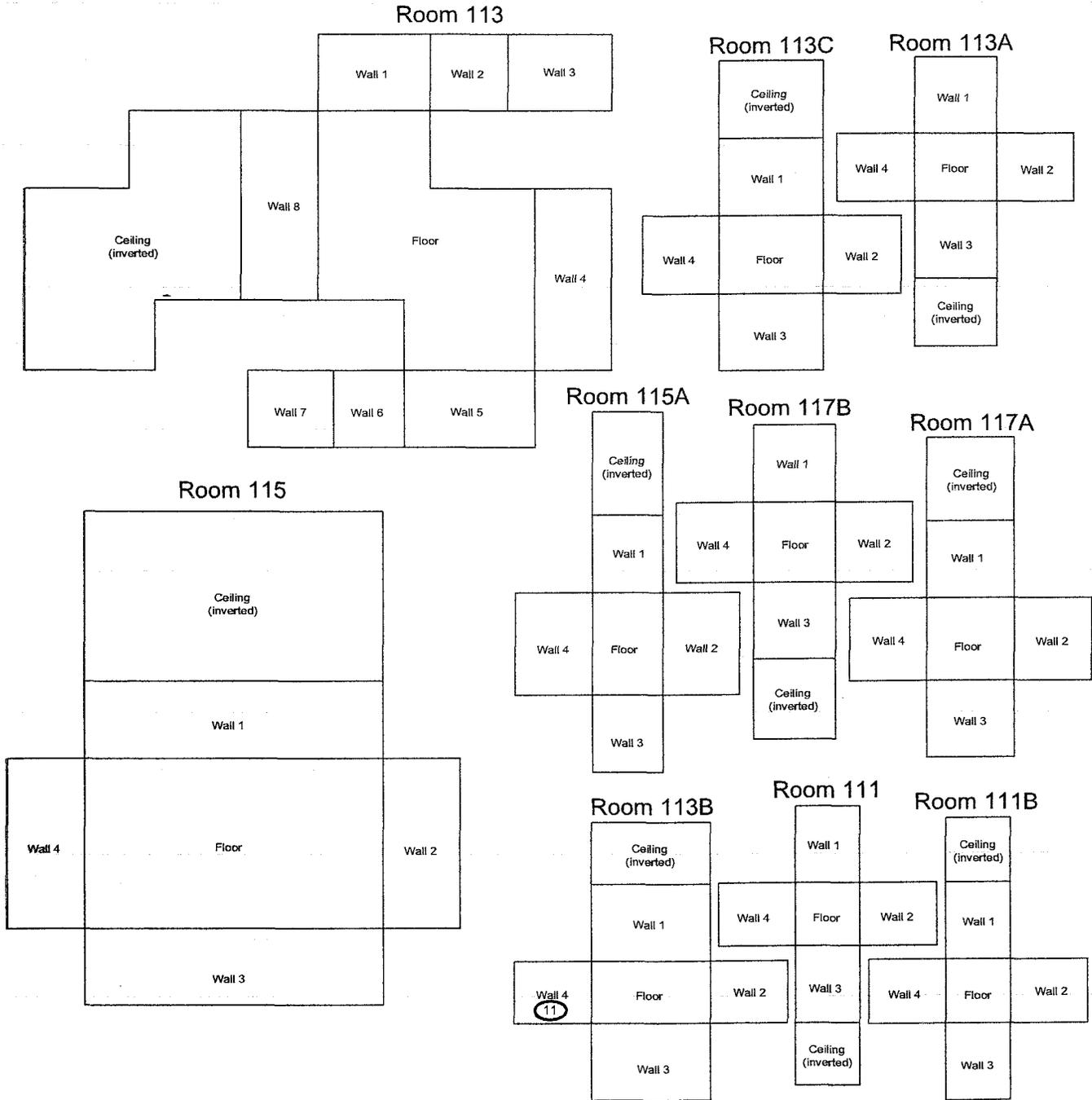


<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 30</p> <p>0 METERS 10</p> <p>1 inch = 24 feet 1 grid sq. = 1 sq. m.</p>	<p style="text-align: center;">U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p style="text-align: center;">CH2MHILL <i>Communications Group</i></p> <p style="text-align: center;">MAP ID: 03-0178\750-P5-ASB May 21, 2003</p>
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119

CHEMICAL SAMPLE MAP

Building 750 Interior Asbestos



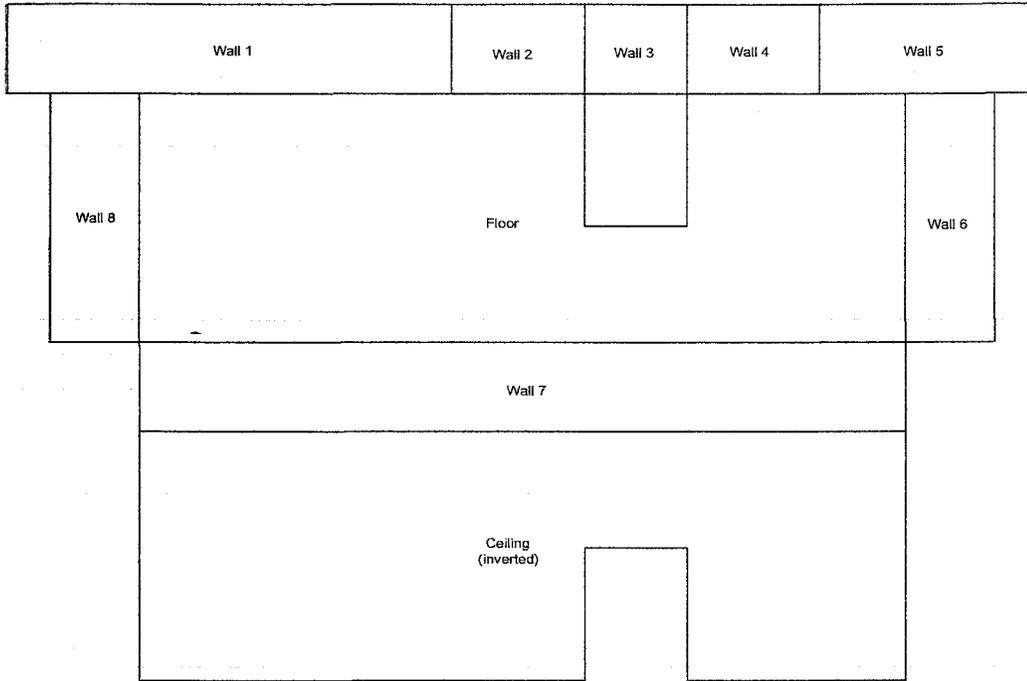
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p style="text-align: center;">U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p style="text-align: center;">MAP ID: 03-01781750-P6-ASB May 21, 2003</p>
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120

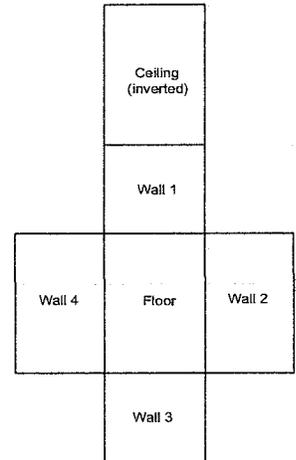
CHEMICAL SAMPLE MAP

Building 750 Interior Asbestos

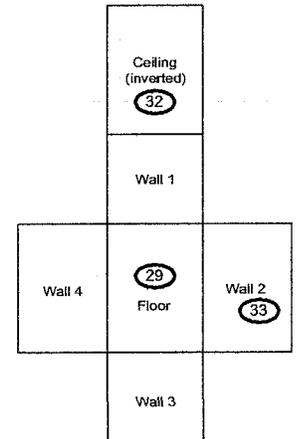
Room 214



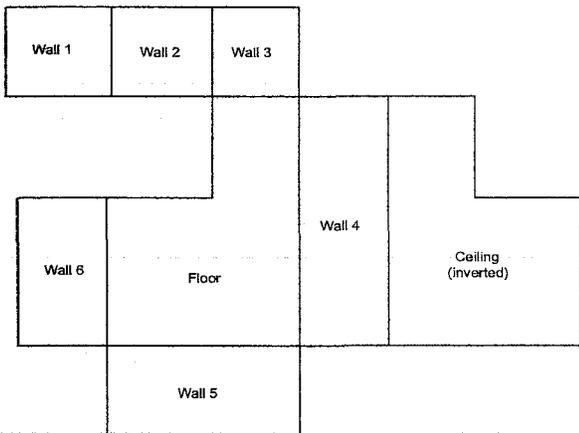
Room 212B



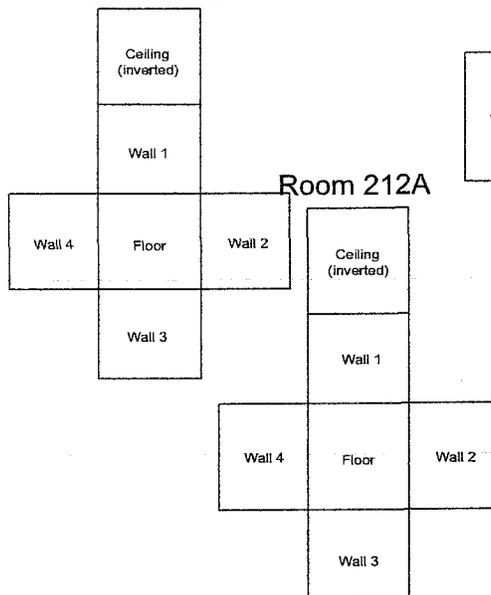
Room 214A



Room 212



Room 212C



Room 212A

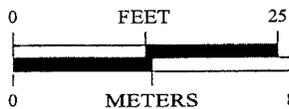
SURVEY MAP LEGEND

- Asbestos Sample Location
- Beryllium Sample Location
- Lead Sample Location
- RCRA/CERCLA Sample Location
- PCB Sample Location

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- Open/Inaccessible Area
- Area in Another Survey Unit



1 inch = 18 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707

Prepared for:



MAP ID: 03-01781750-P7-ASB

May 21, 2003

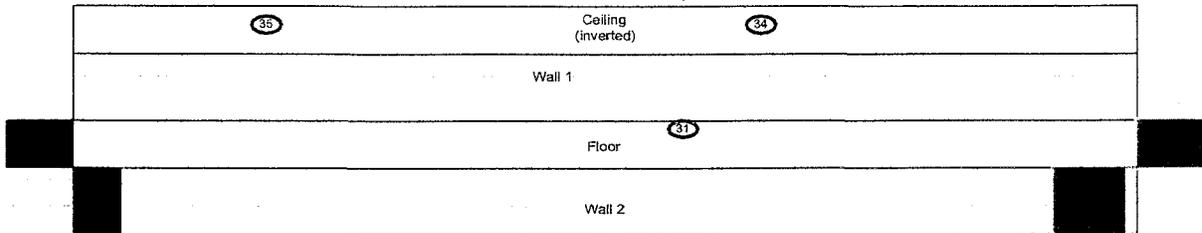
121

CHEMICAL SAMPLE MAP

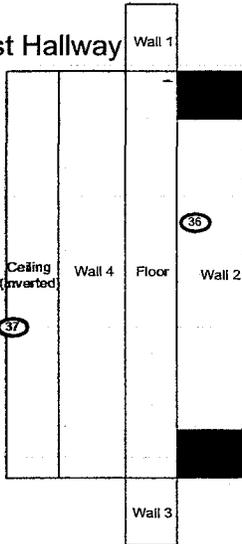
Building 750 Interior Asbestos

PAGE 8 OF 9

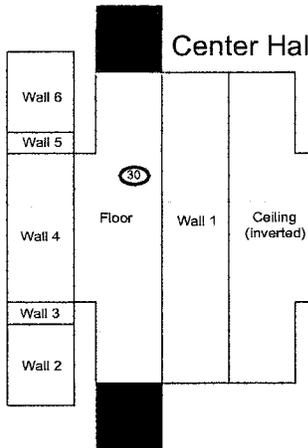
North Hallway



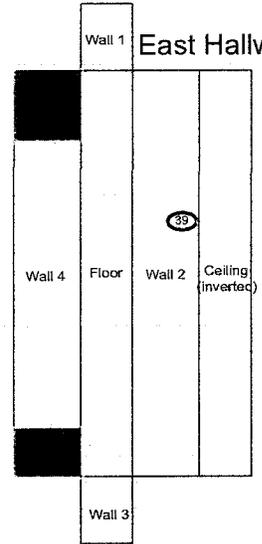
West Hallway



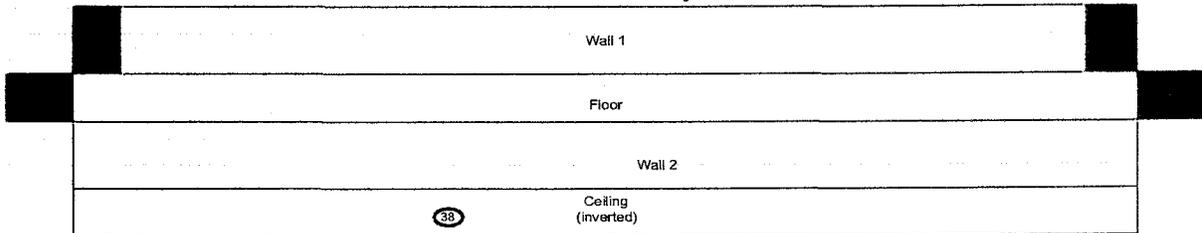
Center Hallway



East Hallway



South Hallway



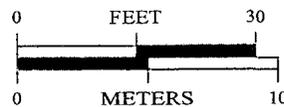
SURVEY MAP LEGEND

- Asbestos Sample Location
- Beryllium Sample Location
- Lead Sample Location
- RCRA/CERCLA Sample Location
- PCB Sample Location

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- Open/Inaccessible Area
- Area in Another Survey Unit



1 inch = 24 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707

Prepared for:

CH2MHILL
Communications Group



MAP ID: 03-01781750-P8-ASB

May 22, 2003

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CHEMICAL SAMPLE MAP

Building 750 Exterior Roof Asbestos

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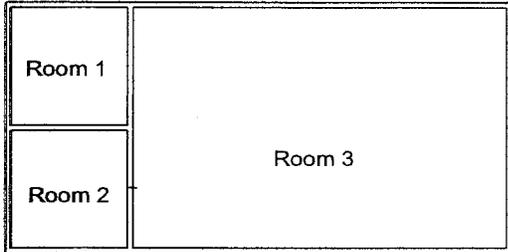
SURVEY MAP LEGEND		Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.	N ↑	0 FEET 45		U.S. Department of Energy Rocky Flats Environmental Technology Site	
⊙ Asbestos Sample Location	■ Open/Inaccessible Area			0 METERS 15		Prepared by: GIS Dept. 303-966-7707	Prepared for:
⚠ Beryllium Sample Location	□ Area in Another Survey Unit	1 inch = 36 feet 1 grid sq. = 1 sq. m.		CH2MHILL Communications Group			
⊠ Lead Sample Location				Kaiser Hill			
⬠ RCRA/CERCLA Sample Location				MAP ID: 03-01781750-P9-ASB May 22, 2003			
⊕ PCB Sample Location							

123

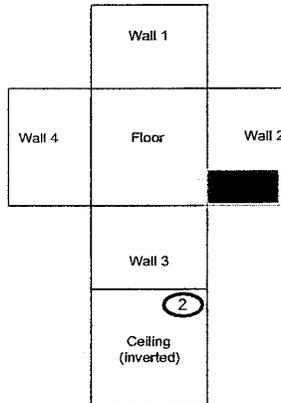
CHEMICAL SAMPLE MAP

Building T750A Interior Asbestos

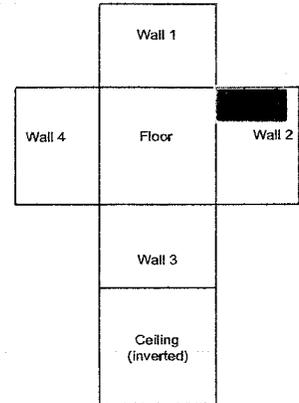
T750A Floor Plan



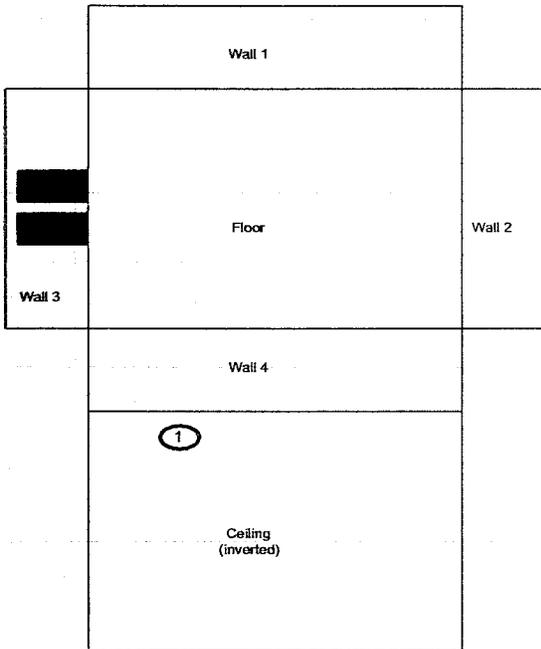
Room 1



Room 2



Room 3

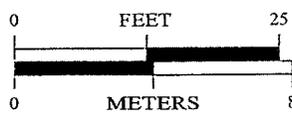


SURVEY MAP LEGEND

- Asbestos Sample Location
- Beryllium Sample Location
- Lead Sample Location
- RCRA/CERCLA Sample Location
- PCB Sample Location

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- Open/Inaccessible Area
- Area in Another Survey Unit



1 inch = 18 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707

Prepared for:



MAP ID: 03-0178\T750A-ASB

May 19, 2003

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CHEMICAL SAMPLE MAP

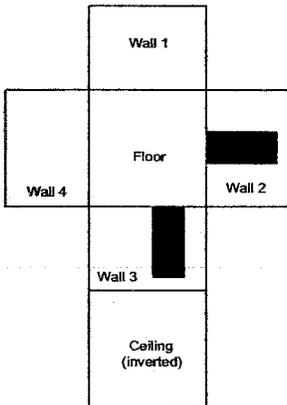
Building T750C Interior Asbestos

PAGE 1 OF 1

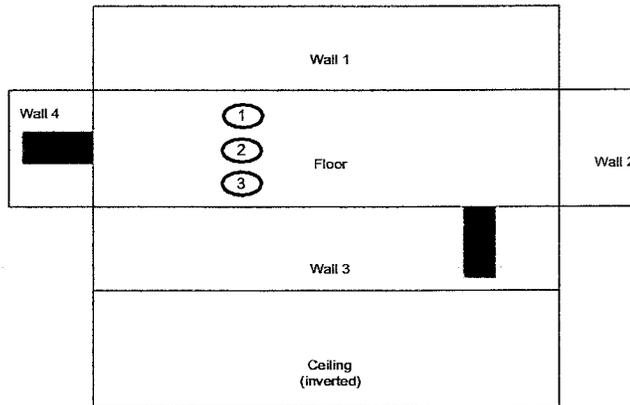
T750C Floor Plan



Room A



Room B

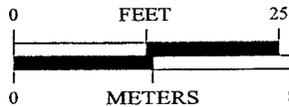


SURVEY MAP LEGEND

- Asbestos Sample Location
- Beryllium Sample Location
- Lead Sample Location
- RCRA/CERCLA Sample Location
- PCB Sample Location

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- Open/Inaccessible Area
- Area in Another Survey Unit



1 inch = 18 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707

Prepared for:



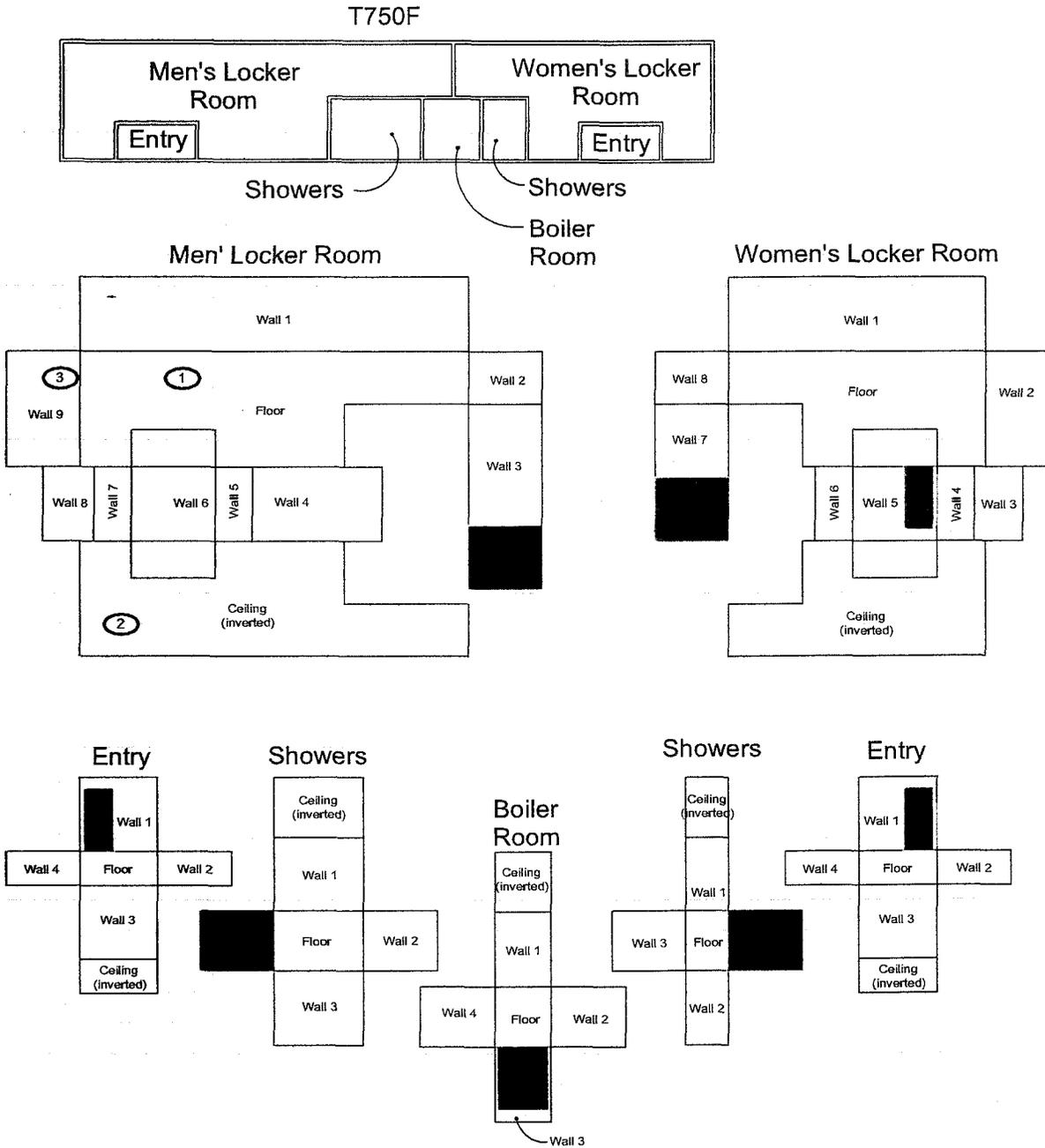
MAP ID: 03-0178\T750C-ASB

May 19, 2003

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CHEMICAL SAMPLE MAP

Building T750F Interior Asbestos



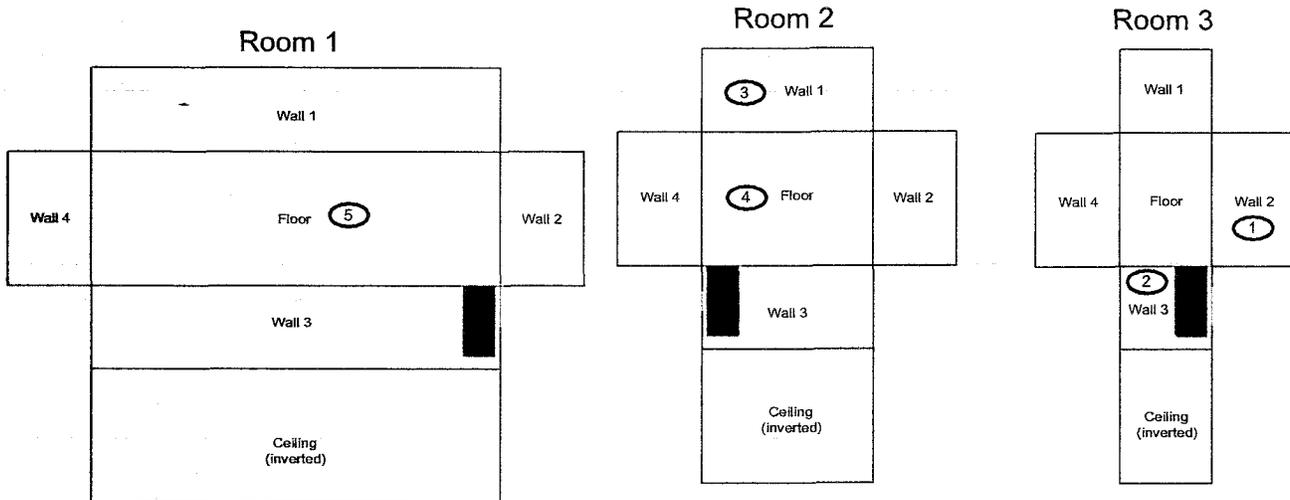
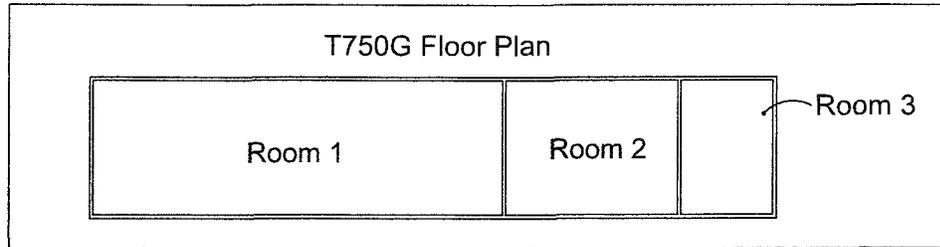
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>MAP ID: 03-0178/T750F-ASB May 20, 2003</p>
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CHEMICAL SAMPLE MAP

Building T750G Interior Asbestos

PAGE 1 OF 1

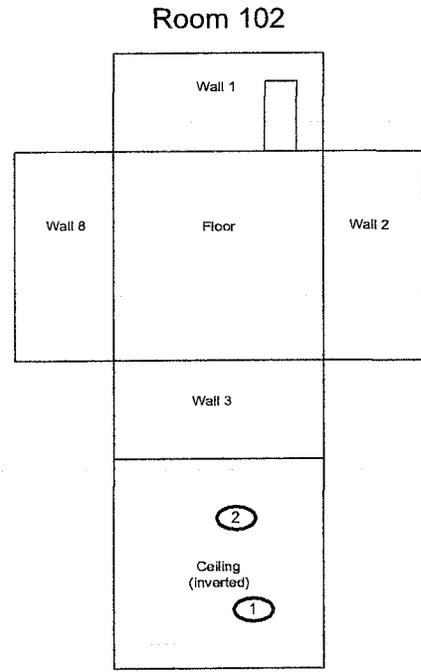
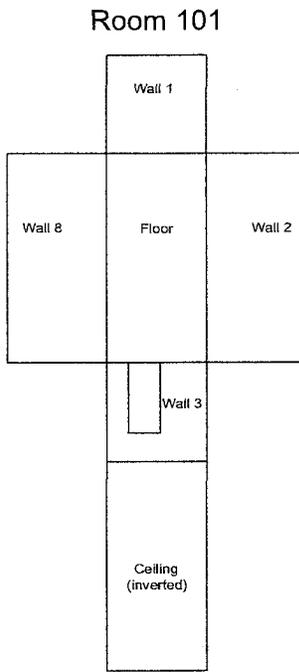
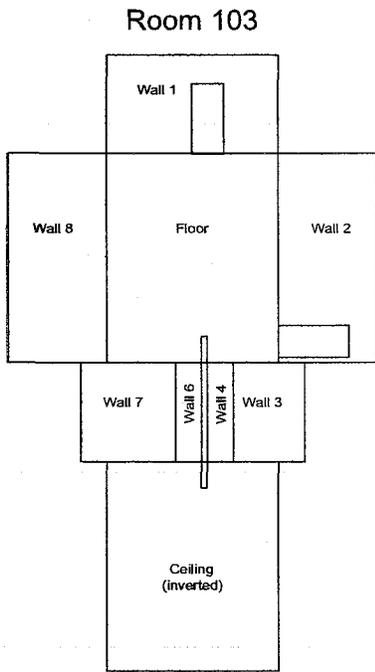
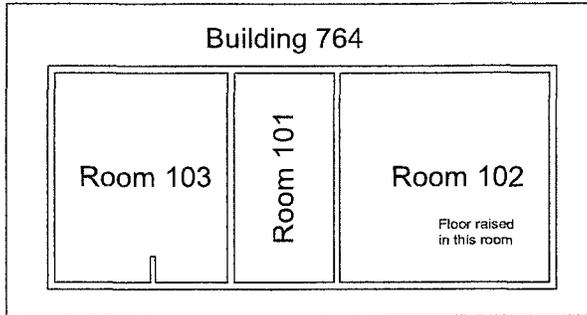


<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>MAP ID: 03-0178\T750G-ASB May 19, 2003</p>
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CHEMICAL SAMPLE MAP

Building 764 Interior Asbestos

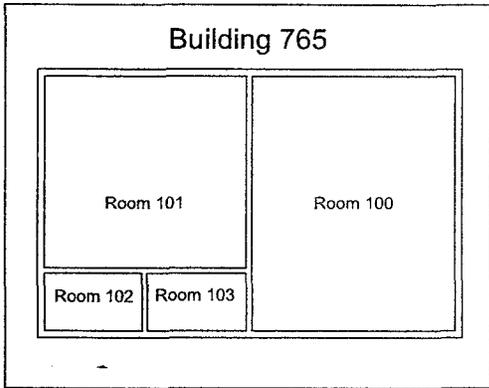


<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> ⊙ Asbestos Sample Location ⚠ Beryllium Sample Location ⊞ Lead Sample Location ⬠ RCRA/CERCLA Sample Location ⊕ PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>MAP ID: 03-0178\764-INT-1-ABS May 19, 2003</p>
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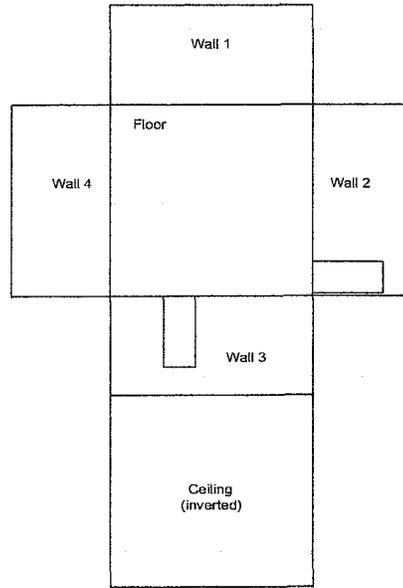
128

CHEMICAL SAMPLE MAP

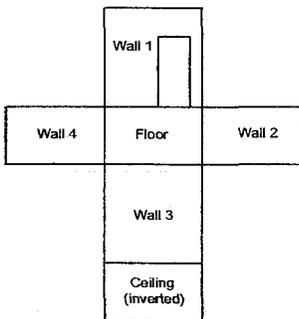
Building 765 Interior Asbestos



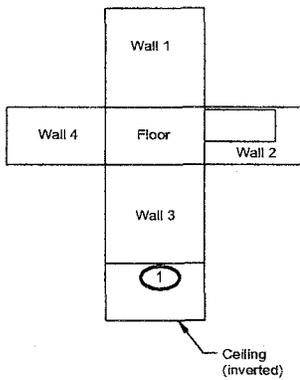
Room 101



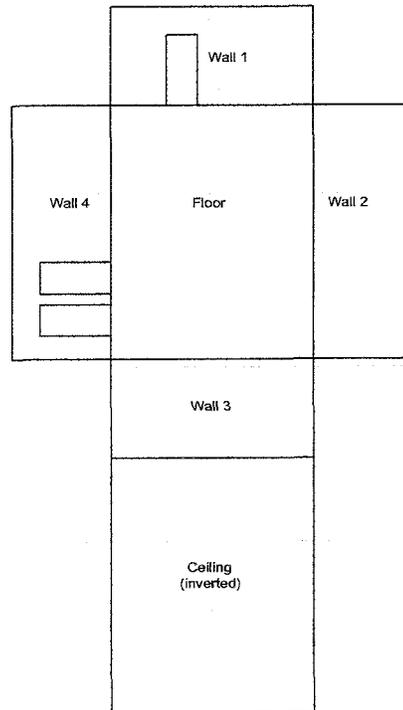
Room 102



Room 103



Room 100



<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>MAP ID: 03-0178765-Int-ASB May 19, 2003</p>
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129

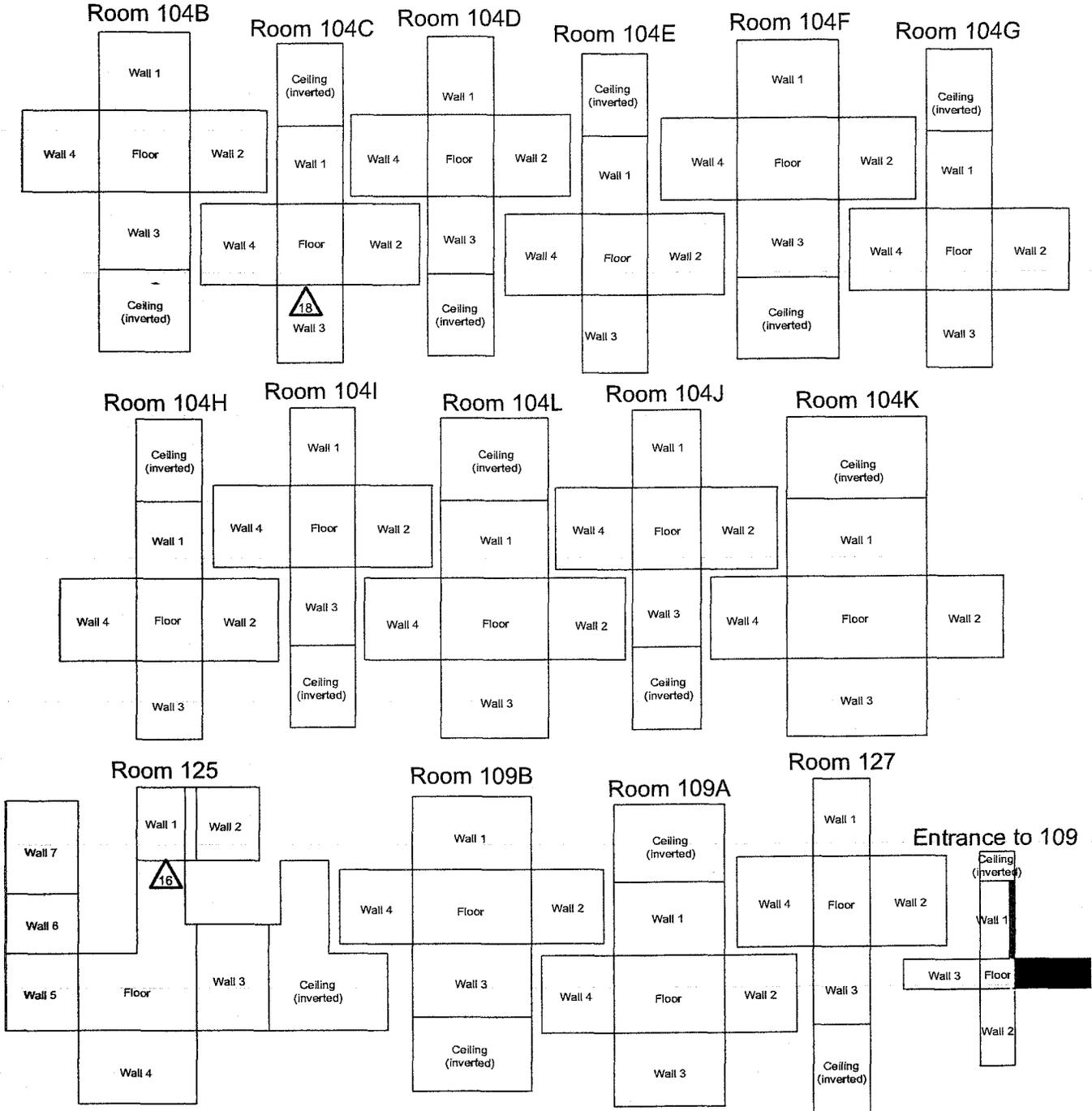
Beryllium Data Summary

Sample Number	Map Point Location	Room	Sample Location	Result (ug/100 cm ²)
Building T750C				
T750C-05062003-315-101	1	A	Top of electrical panel, west wall	<0.1
T750C-05062003-315-102	2	B	On vinyl floor of janitor's closet	<0.1
T750C-05062003-315-103	3	B	On 12" vinyl floor tile	<0.1
T750C-05062003-315-104	4	B	Top of fluorescent light fixture	<0.1
T750C-05062003-315-105	5	B	On louvers of HVAC supply duct	<0.1
Building T750F				
T750F-05062003-315-101	1	Men's	Top of fluorescent light fixture	<0.1
T750F-05062003-315-102	2	Men's	On louvers of ceiling HVAC diffuser	<0.1
T750F-05062003-315-103	3	Men's	On louvers of ceiling HVAC diffuser	<0.1
T750F-05062003-315-104	4	Men's	Top of metal locker # 28	<0.1
T750F-05062003-315-105	5	Boiler	Top of water heater	<0.1
Building T750G				
T750G-05062003-315-101	1	3	Top of orange fire suppression pipe, south wall	<0.1
T750G-05062003-315-102	2	2	On louvers of ceiling HVAC diffuser	<0.1
T750G-05062003-315-103	3	2	On surface of ceiling deflector	<0.1
T750G-05062003-315-104	4	1	On fluorescent light fixture	<0.1
T750G-05062003-315-105	5	1	On tile floor at door, SE corner	<0.1
Building T750D				
T750D-05062003-315-101	1	1	On louvers of ceiling HVAC diffuser	<0.1
T750D-05062003-315-102	2	1	On plate of ceiling HVAC deflector	<0.1
T750D-05062003-315-103	3	1	Top of fluorescent light fixture	<0.1
T750D-05062003-315-104	4	1	Top of LSDW speaker, east wall	<0.1
T750D-05062003-315-105	5	1	Top of Exit sign, south wall	<0.1
Building T750A				
T750A-05062003-315-101	1	3	On louvers of ceiling HVAC diffuser	<0.1
T750A-05062003-315-102	2	2	Top of wooden shelf, east wall	<0.1
T750A-05062003-315-103	3	3	Top of metal storage cabinet	<0.1
T750A-05062003-315-104	4	3	On louvers of floor, cold air return	<0.1
T750A-05062003-315-105	5	3	Top of safe, NW corner	<0.1
Building T750B				
T750B-05062003-315-101	1	2	On louvers of ceiling HVAC diffuser	<0.1
T750B-05062003-315-102	2	2	On electrical receptacle track, south wall	<0.1
T750B-05062003-315-103	3	2	Top of LSDW speaker, south wall	<0.1
T750B-05062003-315-104	4	2	Top of electrical panel, east wall	<0.1
T750B-05062003-315-105	5	2	On louvers of HVAC supply, east wall	<0.1
Building 764				
764-05122003-315-101	1	Basement	Top of electrical panel, north wall	<0.1
764-05122003-315-102	2	Basement	Top of electrical conduit, south wall	<0.1

Sample Number	Map Point Location	Room	Sample Location	Result ($\mu\text{g}/100 \text{ cm}^2$)
764-05122003-315-103	3	102	Top of M-69 electrical panel, south wall	< 0.1
764-05122003-315-104	4	101	Top of electrical panel, north wall	< 0.1
764-05122003-315-105	5	101	On concrete floor	< 0.1
Building 765				
765-05122003-315-101	1	102	Top of red fire suppression pipe	< 0.1
765-05122003-315-102	2	101	Top of communications panel, east wall	< 0.1
765-05122003-315-103	3	101	On raised floor by floor mop	< 0.1
765-05122003-315-104	4	100	Top of metal locker, south wall	< 0.1
765-05122003-315-105	5	100	Top of video monitor, east wall	< 0.1
Building 750				
750-05162003-315-101	1	212A	Top of overhead fluorescent light fixture	< 0.1
750-05162003-315-102	2	212C	On 12" floor tile at wall	< 0.1
750-05162003-315-103	3	212	On baseboard heater	< 0.1
750-05162003-315-104	4	North Hallway	Top of overhead fluorescent light fixture	< 0.1
750-05162003-315-105	5	North Hallway	Top of overhead fluorescent light fixture	< 0.1
750-05162003-315-106	6	West Hallway	Top of emergency light fixture	< 0.1
750-05162003-315-107	7	South Hallway	Top of overhead fluorescent light fixture	< 0.1
750-05162003-315-108	8	South Hallway	Top of J-2B04 electrical panel	< 0.1
750-05162003-315-109	9	214	Center/Top of Trane Climate Changer, SN U89341	< 0.1
750-05162003-315-110	10	214	Top of overhead fluorescent light fixture near door	< 0.1
750-05162003-315-111	11	124	Top of air handling unit	< 0.1
750-05162003-315-112	12	124	Top of Xformer electrical transformer, south wall	< 0.1
750-05162003-315-113	13	124	On floor near equipment foundation	< 0.1
750-05162003-315-114	14	Corridor D	Top of overhead fluorescent light fixture	< 0.1
750-05162003-315-115	15	Corridor D	Top of metal file cabinet, east wall	< 0.1
750-05162003-315-116	16	125	On tile floor, NE corner	< 0.1
750-05162003-315-117	17	Corridor A	Top of overhead fluorescent light fixture	< 0.1
750-05162003-315-118	18	104C	Top of window ledge	< 0.1
750-05162003-315-119	19	Corridor A	Outside west door, Corridor A	< 0.1
750-05162003-315-120	20	Corridor A	Top of F-202 fire box, west end of corridor	< 0.1
750-05162003-315-121	21	SE Entry	On concrete step	< 0.1
750-05162003-315-122	22	Cafeteria	Top of metal file cabinet, south wall	< 0.1
750-05162003-315-123	23	Cafeteria	Top of electrical power strip, south wall	< 0.1
750-05162003-315-124	24	SW Entry	On floor tile at entry	< 0.1
750-05162003-315-125	25	Cafeteria	On window ledge, west wall	< 0.1
750-05162003-315-126	26	Cafeteria	On red fire suppression pipe in vending area	< 0.1
750-05162003-315-127	27	NW Entry	On ledge above door	< 0.1
750-05162003-315-128	28	Cafeteria	On floor tile at drinking fountain	< 0.1
750-05162003-315-129	29	Cafeteria	On floor under baseboard heater	< 0.1
750-05162003-315-130	30	NE Entry	On concrete floor at door	< 0.1

CHEMICAL SAMPLE MAP

Building 750 Interior Beryllium



<p><u>SURVEY MAP LEGEND</u></p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>MAP ID: 03-0178\B750-P1-BE May 21, 2003</p>
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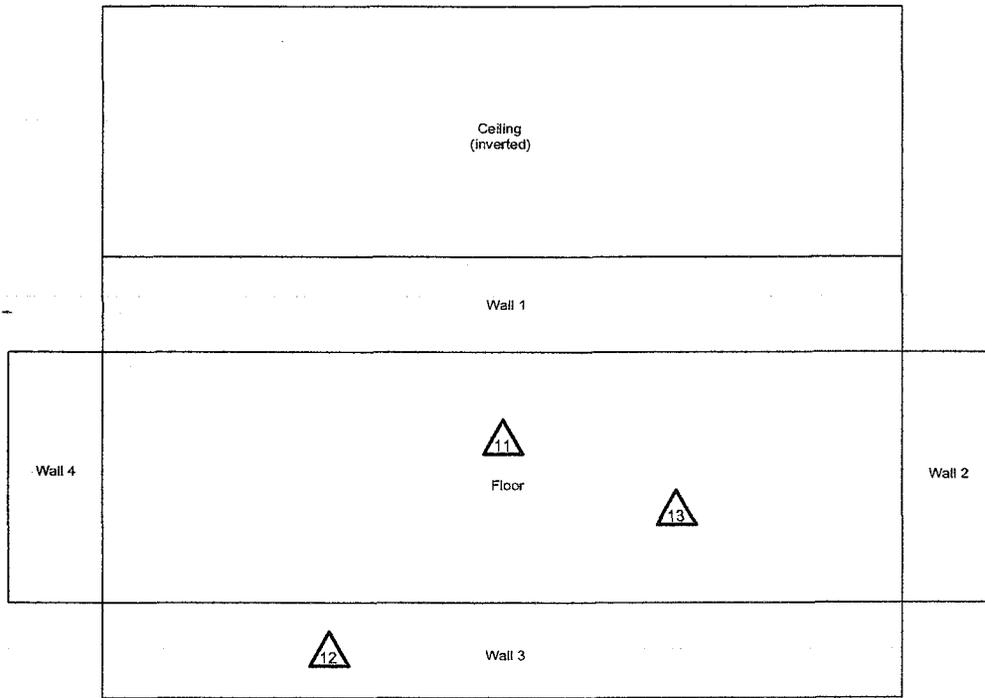
132

CHEMICAL SAMPLE MAP

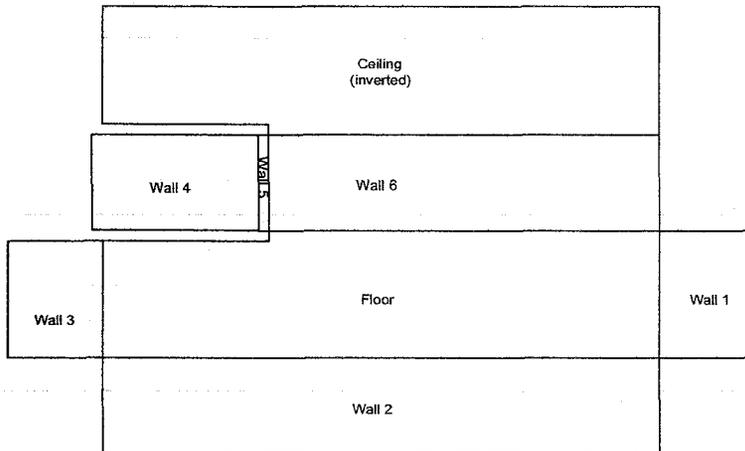
Building 750 Interior Beryllium

PAGE 2 OF 6

Room 124

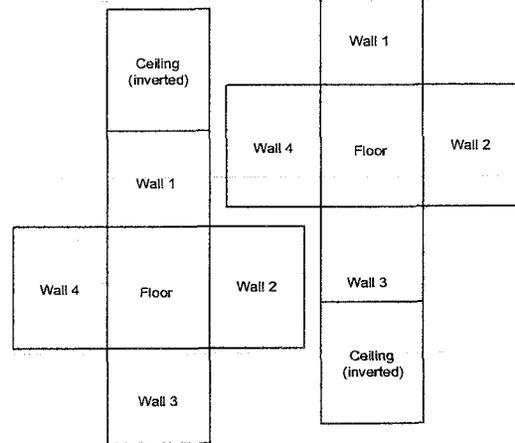


Room 128 Hallway



Room 121A

Room 121B



<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around;"> </div> <p>MAP ID: 03-0178\750-P2-BE May 21, 2003</p>
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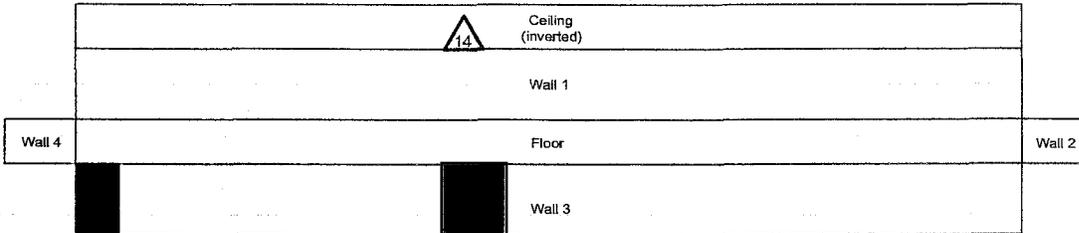
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CHEMICAL SAMPLE MAP

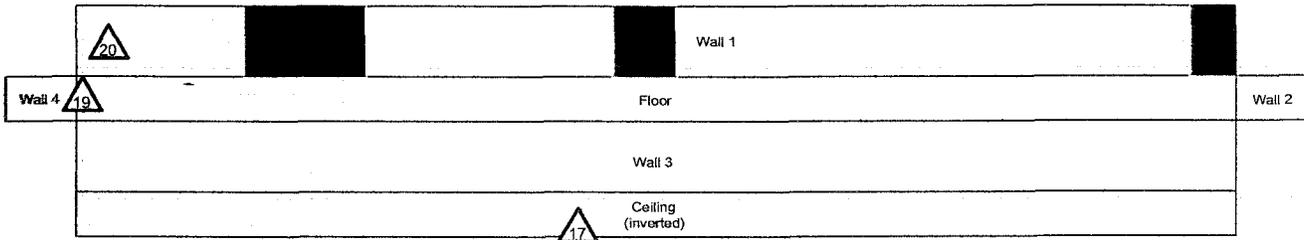
Building 750 Interior Beryllium

PAGE 3 OF 6

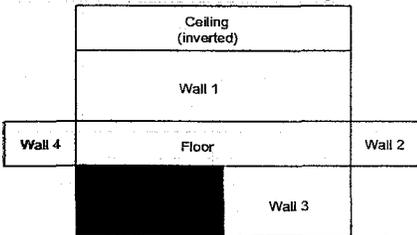
North Hallway



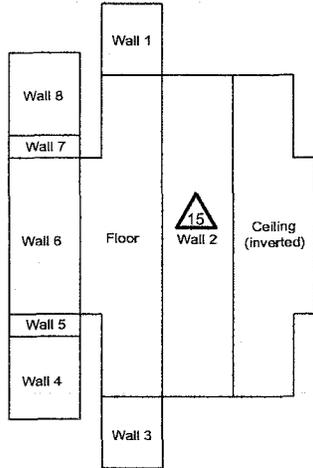
South Hallway



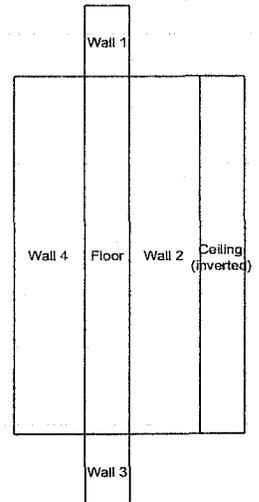
North East Hallway



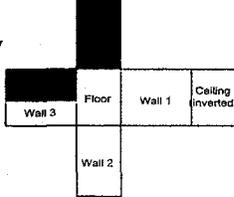
Center Hallway



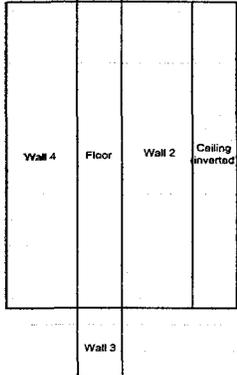
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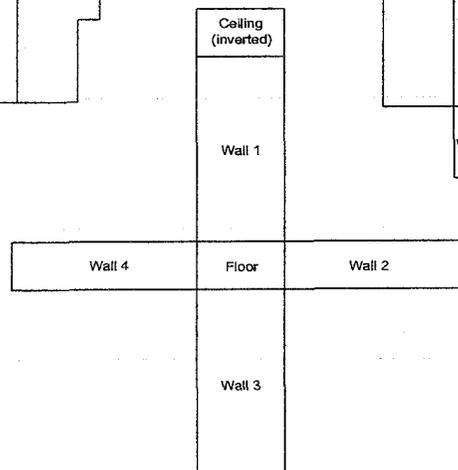
North East Hallway



East Hallway



East Elevator



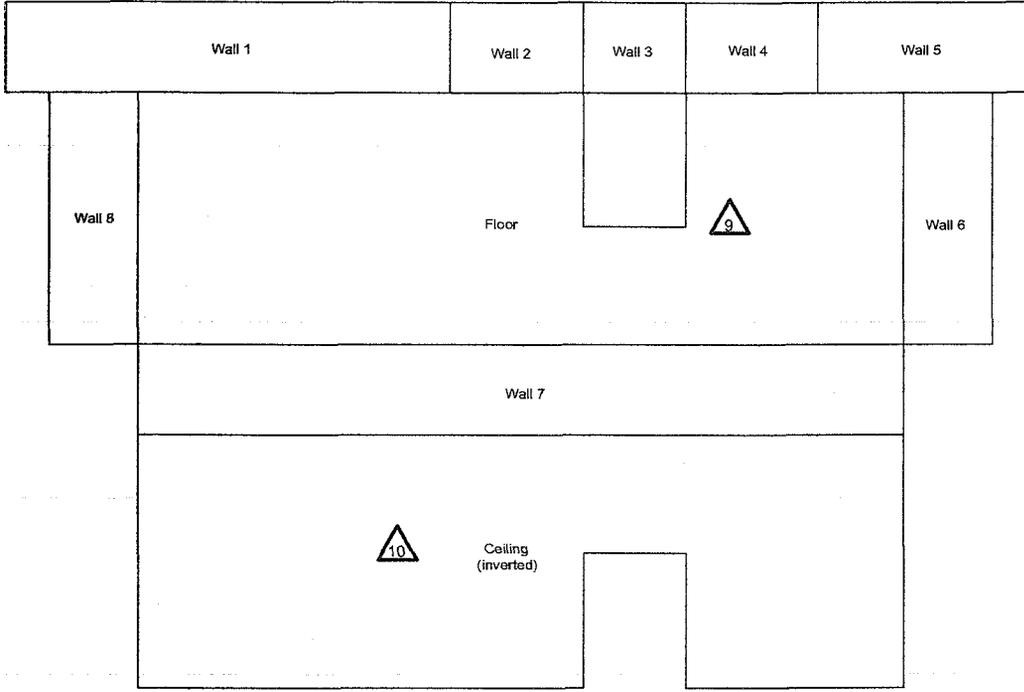
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 30</p> <p>0 METERS 10</p>	<p style="text-align: center;">U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around;"> </div> <p style="text-align: center;">1 inch = 24 feet 1 grid sq. = 1 sq. m.</p> <p style="text-align: center;">MAP ID: 03-01781750-P3-BE May 21, 2003</p>
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134

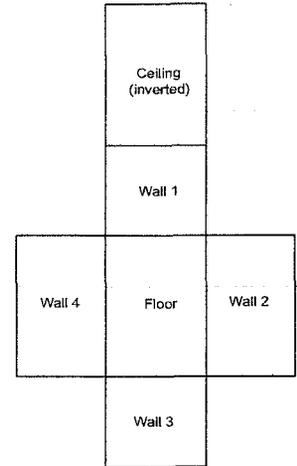
CHEMICAL SAMPLE MAP

Building 750 Interior Beryllium

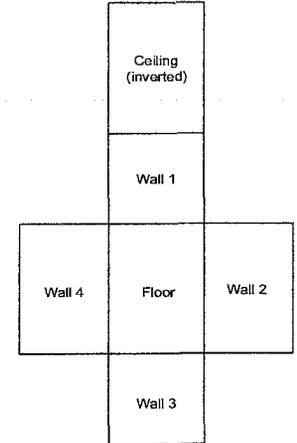
Room 214



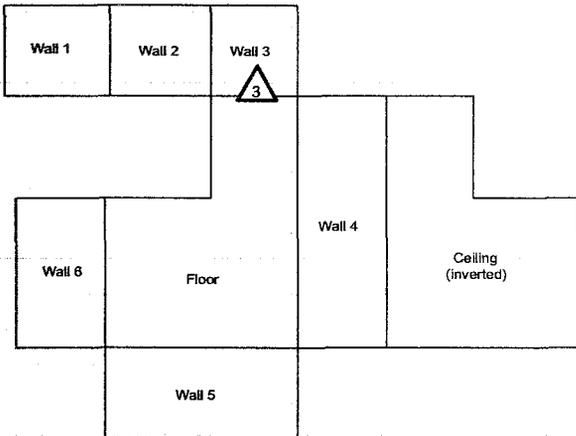
Room 212B



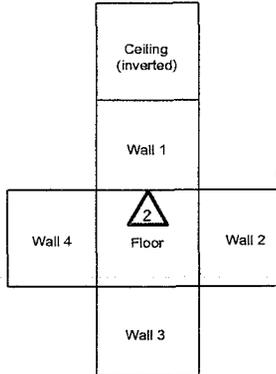
Room 214A



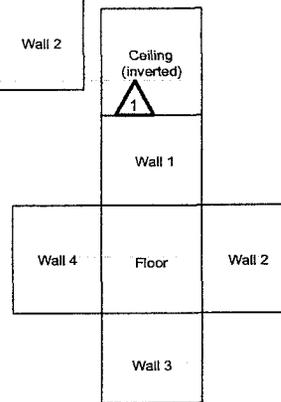
Room 212



Room 212C



Room 212A



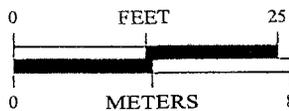
SURVEY MAP LEGEND

- Asbestos Sample Location
- Beryllium Sample Location
- Lead Sample Location
- RCRA/CERCLA Sample Location
- PCB Sample Location

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- Open/Inaccessible Area
- Area in Another Survey Unit



1 inch = 18 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707

Prepared for:

CH2MHILL
Communications Group



MAP ID: 03-0178/750-P4-BE

May 21, 2003

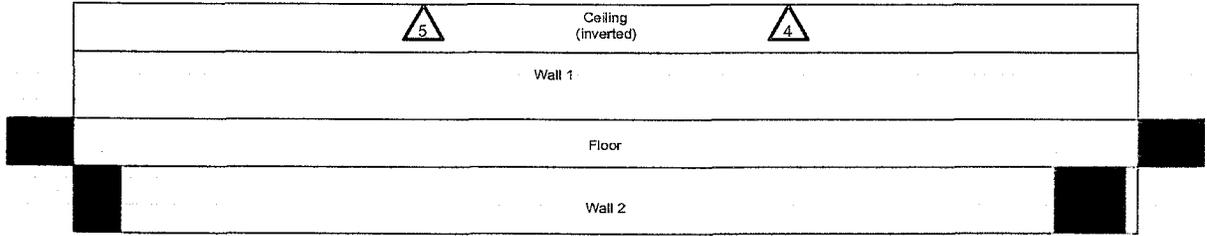
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CHEMICAL SAMPLE MAP

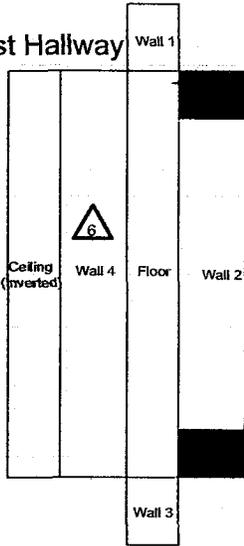
Building 750 Interior Beryllium

PAGE 5 OF 6

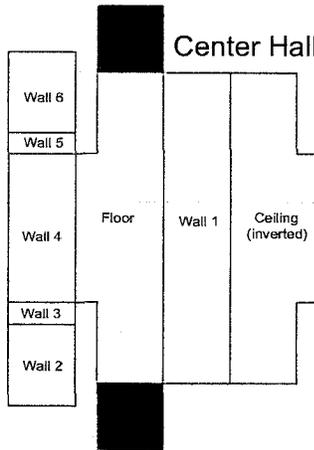
North Hallway



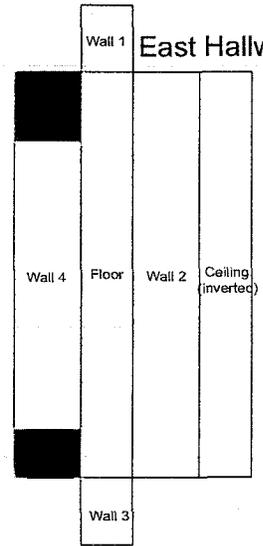
West Hallway



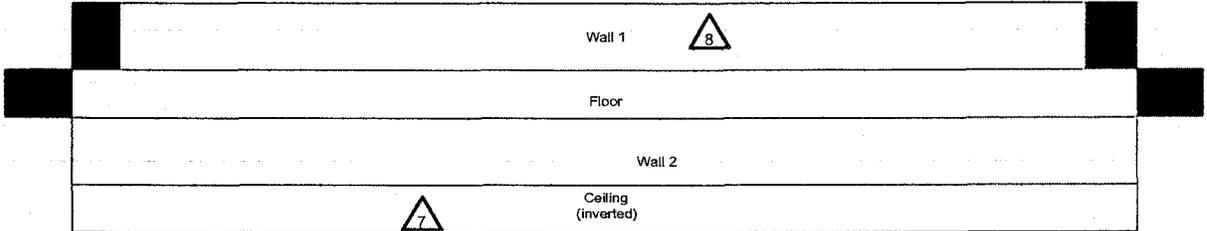
Center Hallway



East Hallway



South Hallway



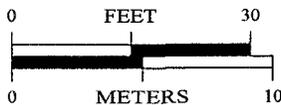
SURVEY MAP LEGEND

- Asbestos Sample Location
- Beryllium Sample Location
- Lead Sample Location
- RCRA/CERCLA Sample Location
- PCB Sample Location

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- Area in Another Survey Unit



1 inch = 24 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

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Prepared for:

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Communications Group



MAP ID: 03-0178\750-P5-BE

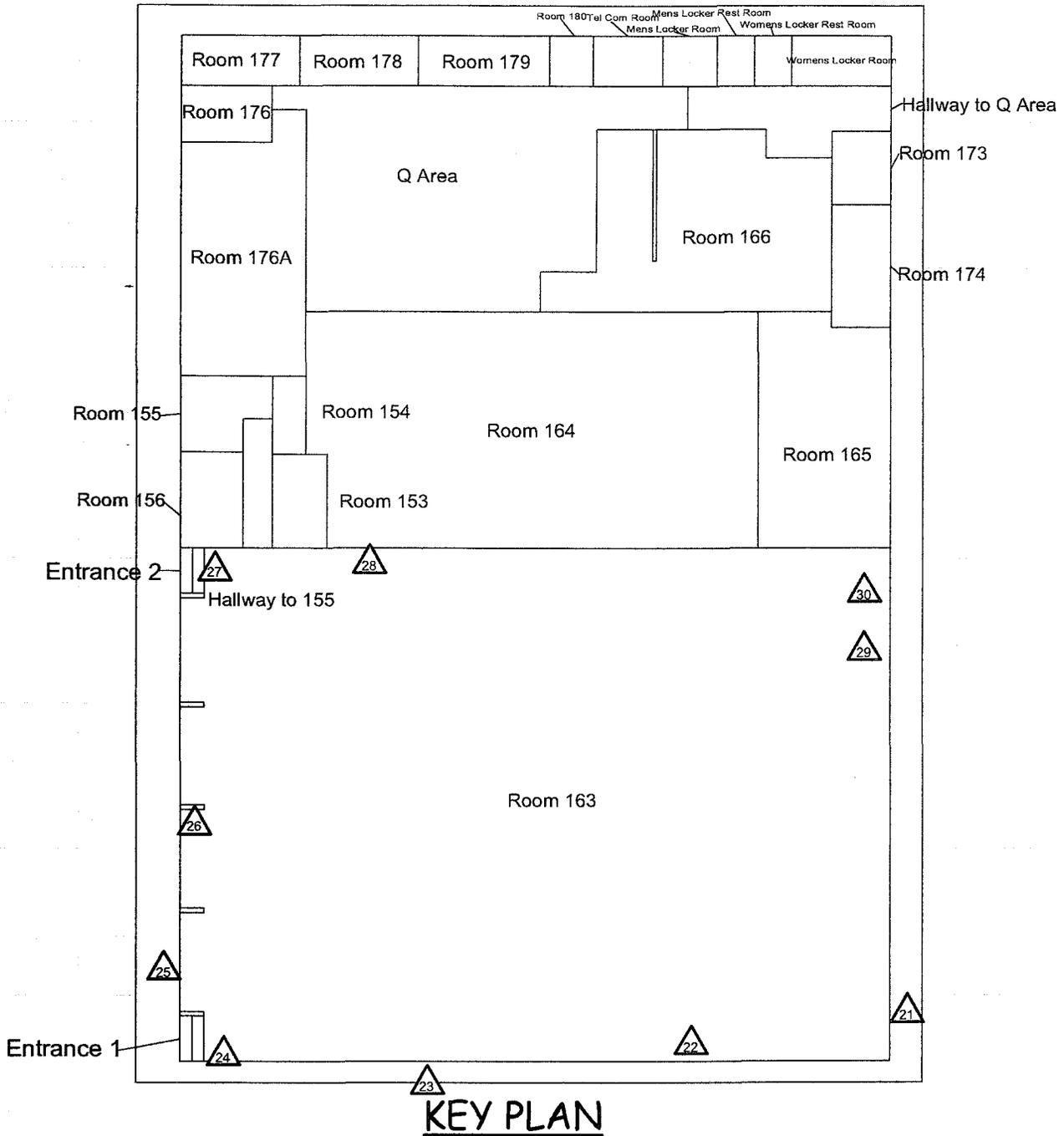
May 22, 2003

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CHEMICAL SAMPLE MAP

Building 750 Interior Beryllium

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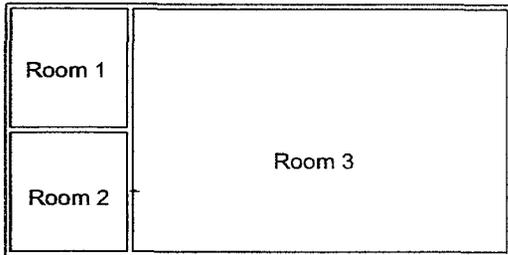
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 25</p> <p>0 METERS 8</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>MAP ID: 03-0178750 P6-BE May 28, 2003</p>
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137

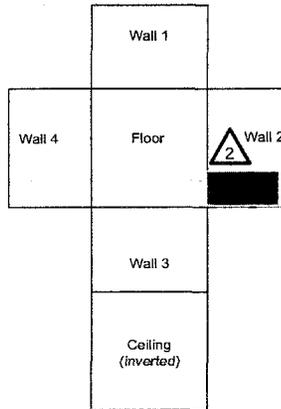
CHEMICAL SAMPLE MAP

Building T750A Interior Beryllium

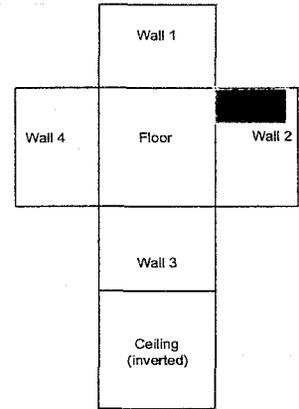
T750A Floor Plan



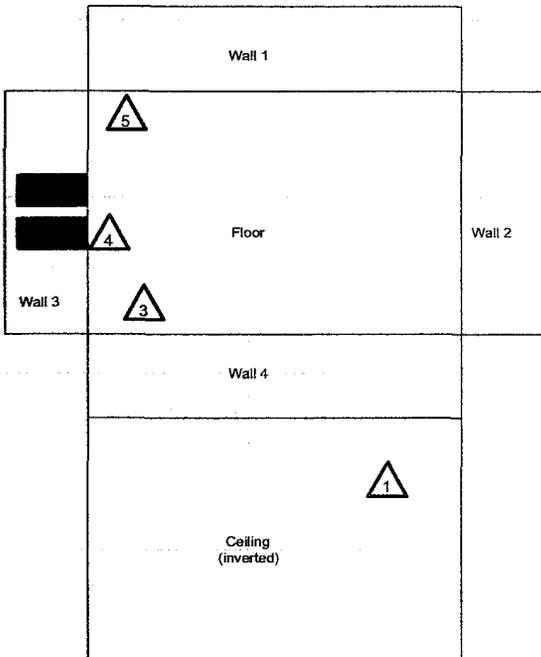
Room 1



Room 2



Room 3

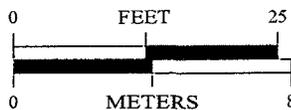


SURVEY MAP LEGEND

- Asbestos Sample Location
- Beryllium Sample Location
- Lead Sample Location
- RCRA/CERCLA Sample Location
- PCB Sample Location

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1 inch = 18 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707

Prepared for:



MAP ID: 03-0178\T750A-BE

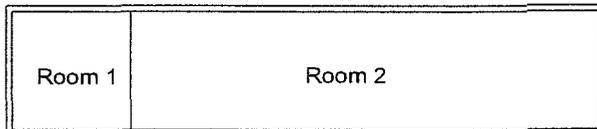
May 19, 2003

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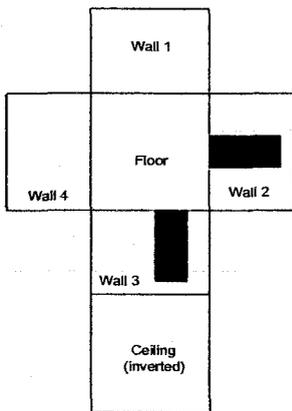
CHEMICAL SAMPLE MAP

Building T750B Interior Beryllium

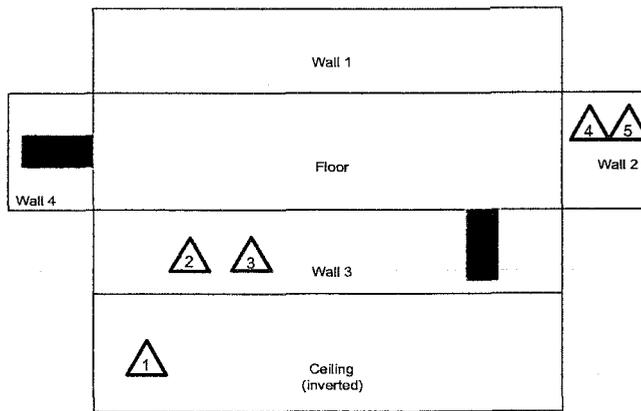
T750B Floor Plan



Room 1



Room 2

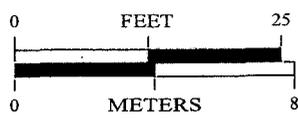


SURVEY MAP LEGEND

- Asbestos Sample Location
- Beryllium Sample Location
- Lead Sample Location
- RCRA/CERCLA Sample Location
- PCB Sample Location

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1 inch = 18 feet 1 grid sq. = 1 sq. m.

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Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707

Prepared for:

CH2MHILL
Communications Group



MAP ID: 03-0178/T750B-BE

May 20, 2003

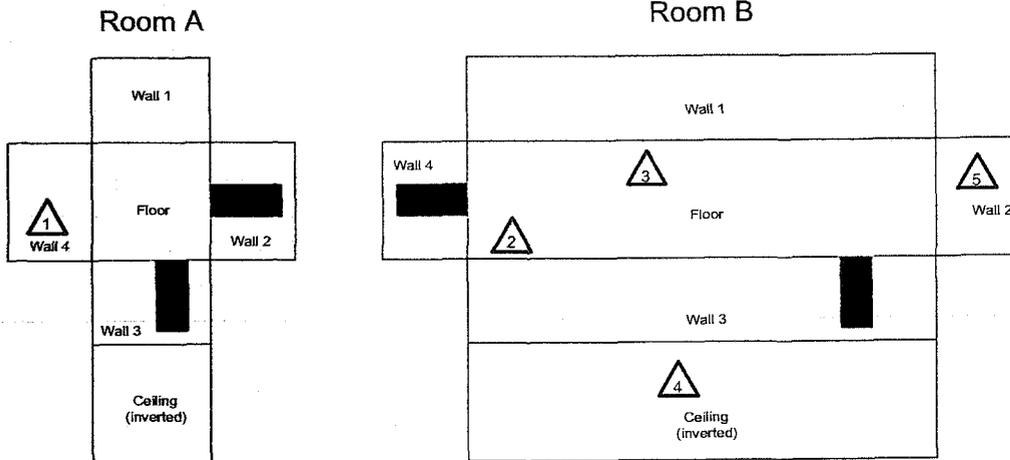
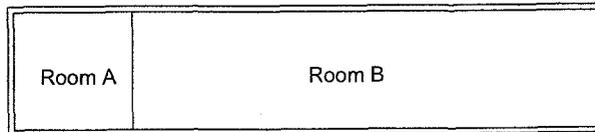
139

CHEMICAL SAMPLE MAP

Building T750C Interior
Beryllium

PAGE 1 OF 1

T750C Floor Plan



<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>MAP ID: 03-01781T750C-BE May 20, 2003</p>
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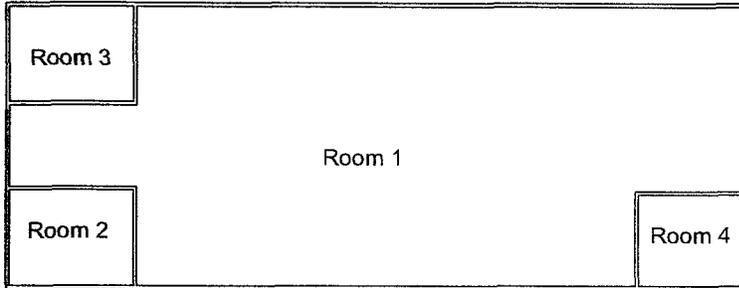
140

CHEMICAL SAMPLE MAP

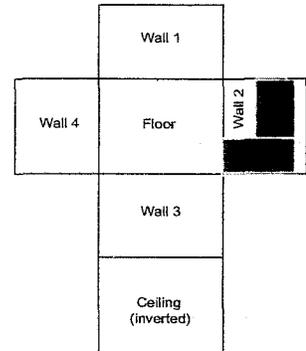
Building T750D Interior Beryllium

PAGE 1 OF 1

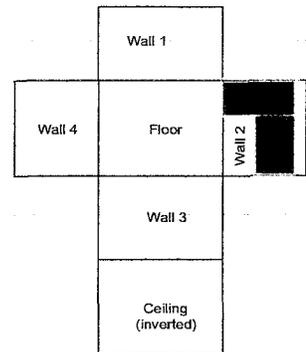
T750D Floor Plan



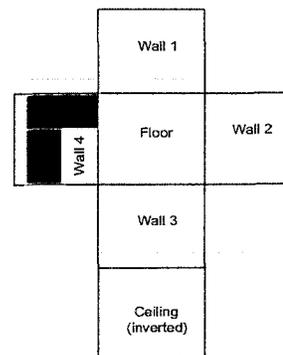
Room 2



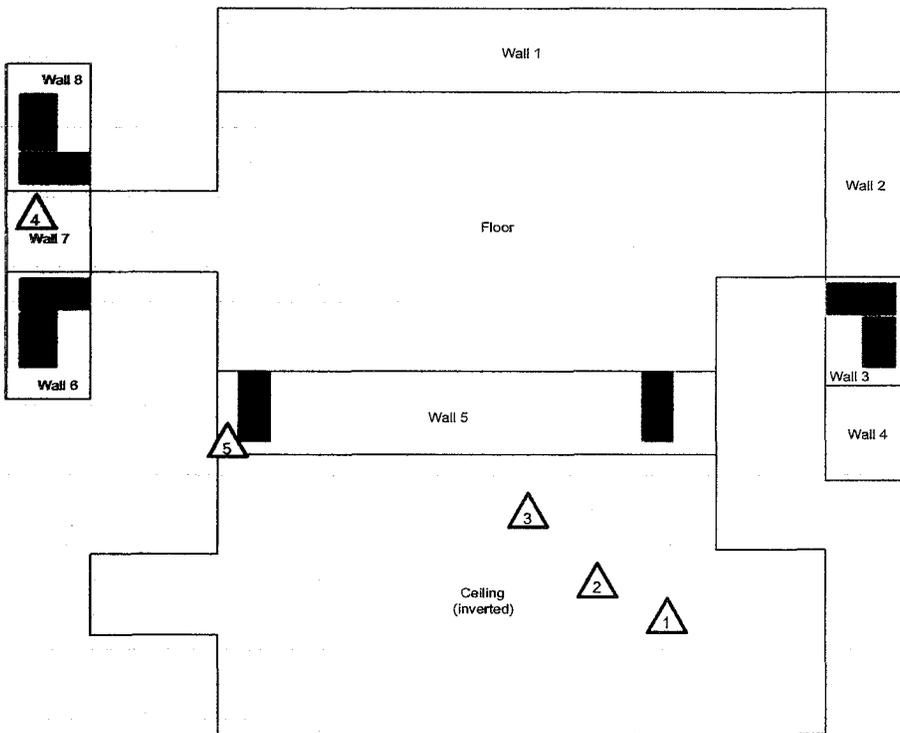
Room 3



Room 4



Room 1

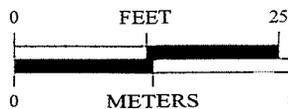


SURVEY MAP LEGEND

- Asbestos Sample Location
- Beryllium Sample Location
- Lead Sample Location
- RCRA/CERCLA Sample Location
- PCB Sample Location

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- Open/Inaccessible Area
- Area in Another Survey Unit



1 inch = 18 feet 1 grid sq. = 1 sq. m.

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: GIS Dept. 303-966-7707

Prepared for:



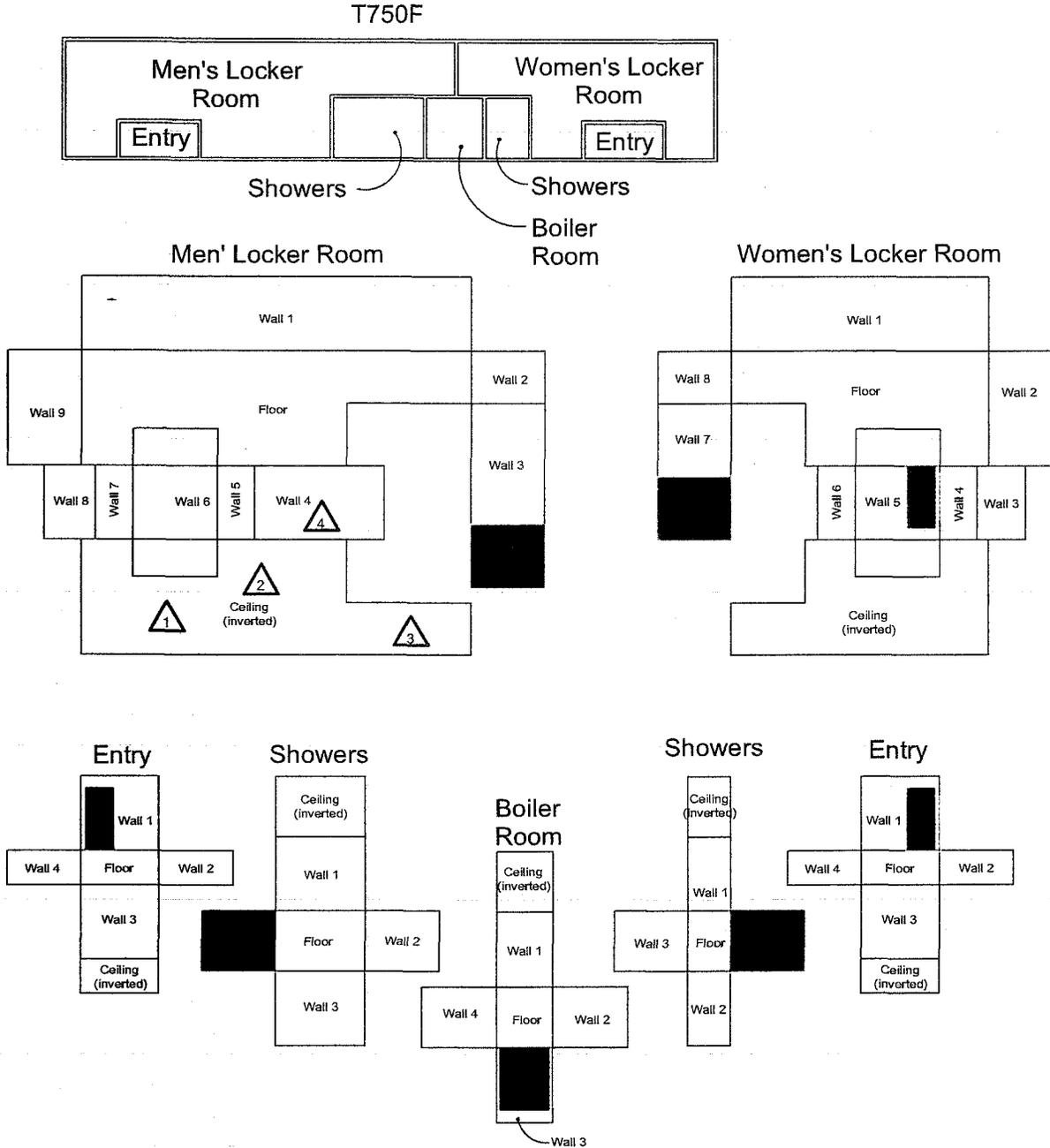
MAP ID: 03-0178\T750D-BE

May 20, 2003

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CHEMICAL SAMPLE MAP

Building T750F Interior Beryllium



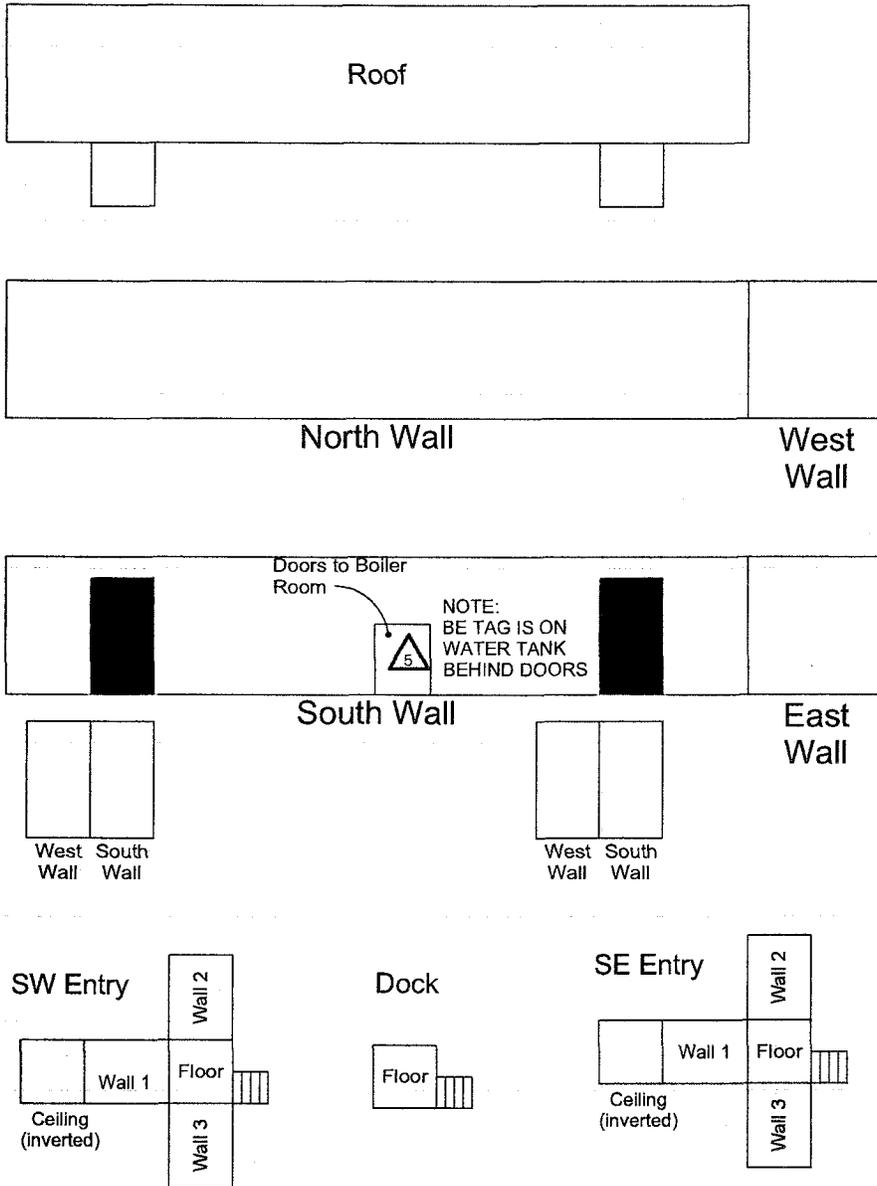
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>MAP ID: 03-0178\T750F-BE May 20, 2003</p>
<p> Open/Inaccessible Area</p>		<p> Area in Another Survey Unit</p>		

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CHEMICAL SAMPLE MAP

Building T750F Exterior
Beryllium

T750F (Exterior)



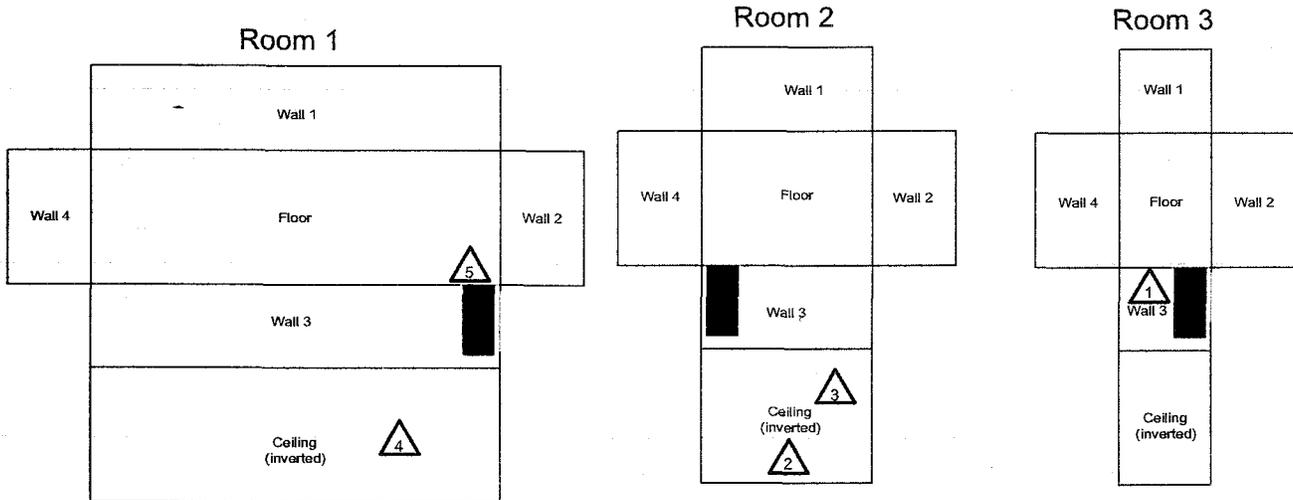
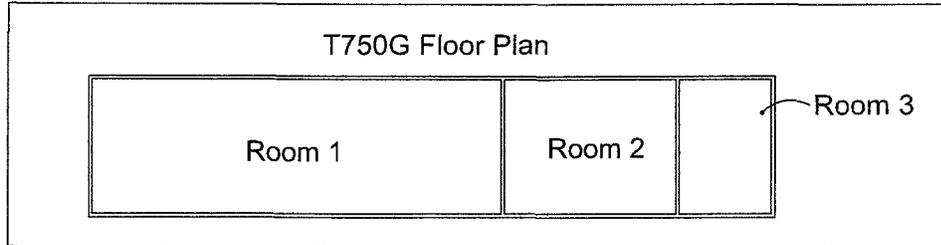
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>MAP ID: 03-0178\T750F-EX-BE May 20, 2003</p>
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CHEMICAL SAMPLE MAP

Building T750G Interior Beryllium

PAGE 1 OF 1



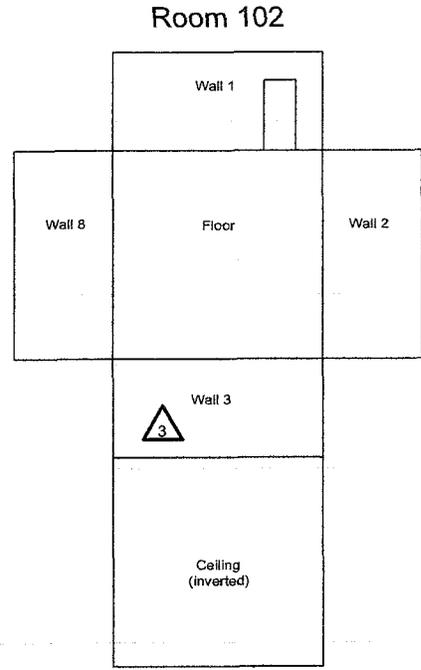
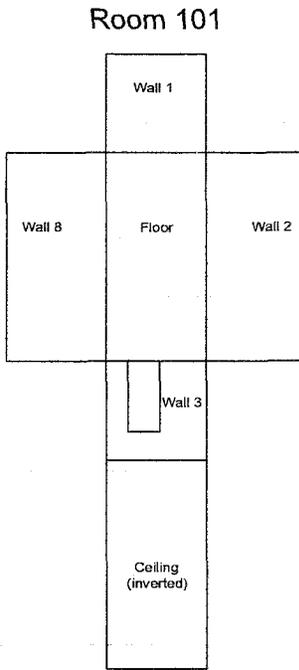
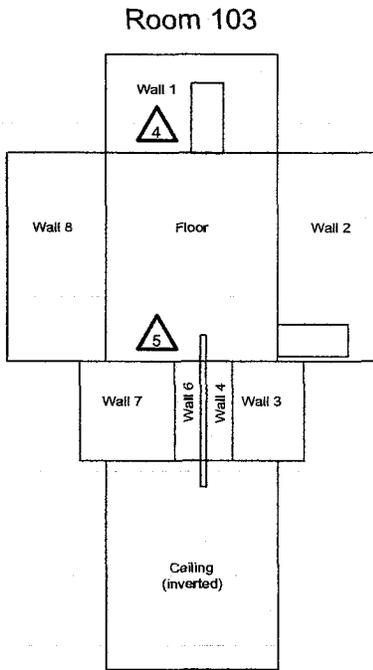
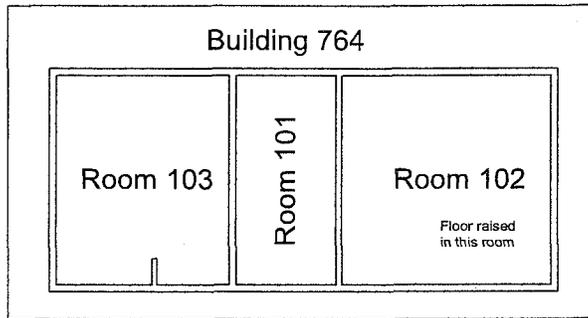
<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>MAP ID: 03-0178\T750G-BE May 19, 2003</p>
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CHEMICAL SAMPLE MAP

Building 764 Interior Beryllium

PAGE 1 OF 2



<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid.sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>MAP ID: 03-0178764-INT-1-BE May 19, 2003</p>
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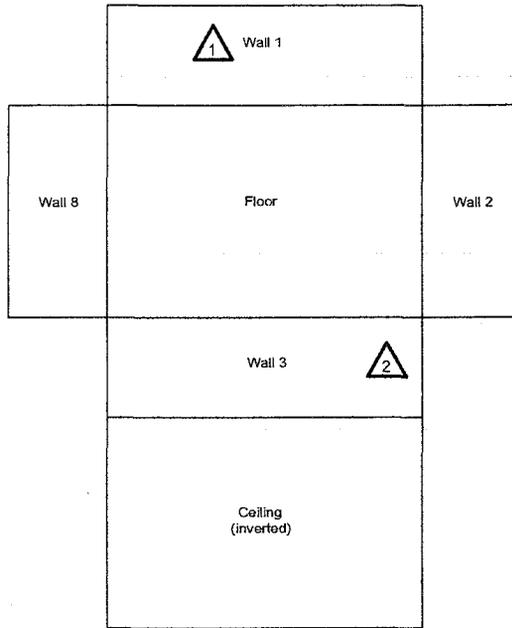
145

CHEMICAL SAMPLE MAP

Building 764 Interior Beryllium

PAGE 2 OF 2

Room Basement

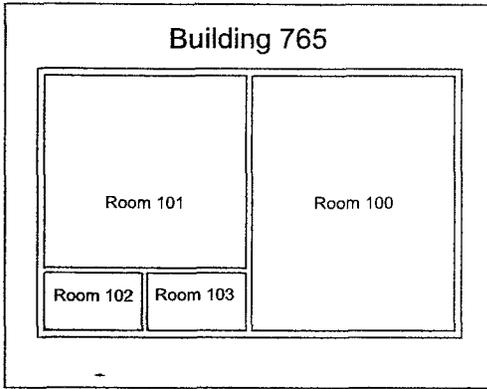


<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynaCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p>0 FEET 25</p> <p>0 METERS 8</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>MAP ID: 03-01781764-INT-2-BE May 19, 2003</p>
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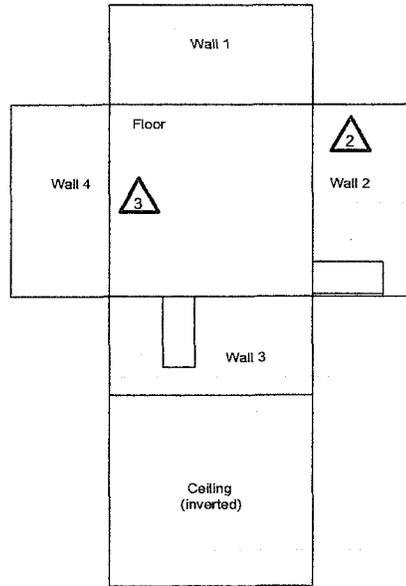
146

CHEMICAL SAMPLE MAP

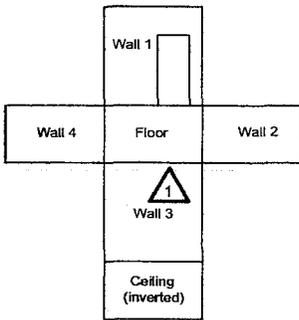
Building 765 Interior Beryllium



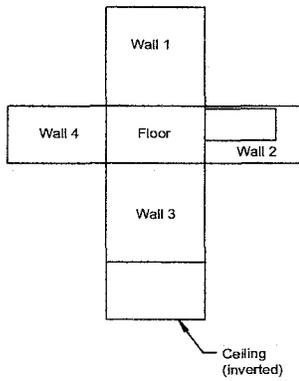
Room 101



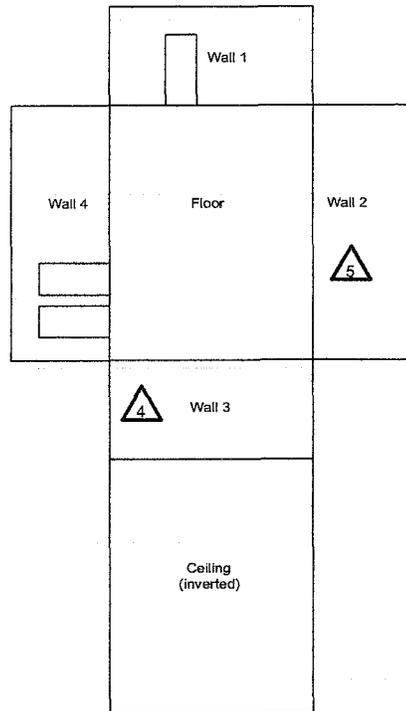
Room 102



Room 103



Room 100



<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Asbestos Sample Location Beryllium Sample Location Lead Sample Location RCRA/CERCLA Sample Location PCB Sample Location 	<p>Neither the United States Government nor Kaiser Hill Co., nor DynCorp I&ET, nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p>	<p>N</p>	<p style="text-align: center;">0 FEET 25</p> <p style="text-align: center;">0 METERS 8</p> <p style="text-align: center;">1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>U.S. Department of Energy Rocky Flats Environmental Technology Site</p> <p>Prepared by: GIS Dept. 303-966-7707 Prepared for:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>MAP ID: 03-0178765-Int-BE May 19, 2003</p>
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Ref 17

ATTACHMENT E

Data Quality Assessment (DQA) Detail

DATA QUALITY ASSESSMENT (DQA)

VERIFICATION & VALIDATION OF RESULTS

V&V of the data confirm that appropriate quality controls are implemented throughout the sampling and analysis process, and that any substandard controls result in qualification or rejection of the data in question. The required quality controls and their implementation are summarized in a tabular, checklist format for each category of data – radiological surveys and chemical analyses (specifically asbestos and beryllium).

DQA criteria and results are provided in a tabular format for each suite of surveys or chemical analyses performed; the radiological survey assessment is provided in Table E-1, asbestos in E-2, and beryllium in E-3. A data completeness summary for all results is given in Table E-4.

All relevant Quality records supporting this report are maintained in the RISS Characterization Project Files. This report will be submitted to the CERCLA Administrative Record for permanent storage within 30 days of approval by the Regulators. All radiological data are organized into Survey Packages, which correlate to unique (MARSSIM) Survey Units. Chemical data are organized by RIN (Report Identification Number) and are traceable to the sample number and corresponding sample location.

Beta/gamma survey designs were not implemented for the Area 5 - Group 11 Facilities based on the conservatism of the transuranic limits used as DCGLs in the unrestricted release decision process. Survey designs were implemented based on the transuranic limits used as DCGLs in the unrestricted release decision process. All survey results were evaluated against, and were less than the Transuranic $DCGL_w$ ($100 \text{ dpm}/100\text{cm}^2$) and the Uranium $DCGL_w$ ($5,000 \text{ dpm}/100\text{cm}^2$) unrestricted release limits.

Consistent with EPA's G-4 DQO process, the radiological survey design was optimized by checking actual measurement results (acquired during pre-demolition surveys) against model output with original estimates. Use of actual sample/survey (result) variances in the MARSSIM DQO model confirms that an adequate number of surveys were acquired.

SUMMARY

In summary, the data presented in this report have been verified and validated relative to the quality requirements and project decisions as stated in the original DQOs. All data are useable based on qualifications stated herein and are considered satisfactory without qualification. All media surveyed and sampled yielded results less than their associated action levels and with acceptable uncertainties. However, the following anomalous conditions that required investigation or were greater than associated action levels:

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- Initial net activity at one radiological sample location in survey unit 750-A-001 (location 3); three radiological sample locations in survey unit T750A-A-002 (locations 3, 6 & 8); four radiological sample locations in survey unit T750B-A-003 (locations 3, 6, 10 & 14); three radiological sample locations in survey unit T750C-A-004 (locations 5, 12 & 14); and two radiological sample locations in survey unit T750G-A-007 (locations 5 & 12) were initially greater than the Transuranic DCGL_w (100 dpm/100cm²). Each location was sealed, allowed to decay, and re-surveyed. All re-survey results were less than the Transuranic DCGL_w and are the values reported in the PDS Data Summary. Refer to Table E-4, *Data Completeness Summary*, for the initial net activities at these locations. Based on the re-survey results, no further investigation is required.
- Friable and non-friable asbestos containing materials were identified in Building 750 greater than 1% by volume at numerous locations. Refer to Section 4.1 and Attachment D for ACM material descriptions, locations and estimated quantities. These materials will be managed and disposed of in compliance with Environmental Protection Agency (EPA) and Colorado Department of Public Health and Environment (CDPHE) regulations.

Based upon an independent review of the radiological data, it was determined that the original project DQOs satisfied MARSSIM guidance. All facility contamination levels were below applicable unrestricted release levels. Minimum survey requirements were met, sampling/survey protocol was performed in accordance with applicable procedures, survey units were properly designed and bounded, and instrument performance and calibration were within acceptable limits. All results meet the PDS unrestricted release criteria.

Chain of Custody was intact; documentation was complete, hold times were acceptable (where applicable,) and packaging integrity/custody seals were maintained throughout the sampling/analysis process. Level 2 Isolation Controls have been posted to prevent the inadvertent introduction of contamination into the facility. On this basis, the Area 5 - Group 11 Facilities meet the unrestricted release criteria with the confidences stated herein.

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Table E-1 V&V of Radiological Surveys, Area 5 - Group 11 Facilities

V&V CRITERIA, RADIOLOGICAL SURVEYS		K-H RSP 16.00 Series MARSSIM (NUREG-1575)		
QUALITY REQUIREMENTS				
	Parameters	Measure	Frequency	COMMENTS
ACCURACY	initial calibrations	90% < x < 110%	≥ 1	Multi-point calibration through the measurement range encountered in the field; programmatic records. Performed daily/within range. All local area backgrounds were within expected ranges (i.e., no elevated anomalies.) N/A Random w/ statistical confidence.
	daily source checks	80% < x < 120%	≥ 1/day	
	local area background: Field	typically < 10 dpm	≥ 1/day	
PRECISION	field duplicate measurements for TSA	≥ 5% of real survey points	≥ 10% of reals	
REPRESENTATIVENESS	MARSSIM methodology: Survey Units 750-A-001, T750A-A-002, T750B-A-003, T750C-A-004, T750D-A-005, T750F-A-006, T750G-A-007, 764-A-008 and 765-A-009. Survey Maps	statistical and biased	NA	
	Controlling Documents (Characterization Pkg; RSPs)	qualitative	NA	Refer to the Characterization Package (planning document) for field/sampling procedures (located in Project files); thorough documentation of the planning, sampling/analysis process, and data reduction into formats.
COMPARABILITY	units of measure	dpm/100cm ²	NA	Use of standardized engineering units in the reporting of measurement results.
COMPLETENESS	Plan vs. Actual surveys usable results vs. unusable	> 95%	NA	See Table E-4 for details.
SENSITIVITY	Detection limits	TSA: ≤ 50 dpm/100cm ² RA: ≤ 10 dpm/100cm ²	all measures	MDAs ≤ 50% DCGL _w per MARSSIM guidelines.

Table E-2 V&V of Asbestos Results, Area 5 - Group 11 Facilities

V&V CRITERIA, CHEMICAL ANALYSES ASBESTOS	METHOD: EPA 600/R-93/116	DATA PACKAGE		COMMENTS
		LAB ---->	Reservoirs Environmental, Inc. Denver, Co.	
QUALITY REQUIREMENT				
ACCURACY	Calibrations: Initial/continuing	RIN ---->	RIN03Z1667 (see table E-4) RIN03Z1695 (Building 750)	
PRECISION	Actual Number Sampled LCSD Lab duplicates	Measure	Frequency	
REPRESENTATIVENESS	COC	below detectable amounts	≥ 1	Semi-quantitative, per (microscopic) visual estimation.
	Hold times/preservation	all below detectable amounts	≥ 59 samples	Semi-quantitative, per (microscopic) visual estimation.
	Controlling Documents (Plans, Procedures, maps, etc.)	Qualitative	NA	Chain-of-Custody intact: completed paperwork, containers w/ custody seals.
COMPARABILITY	Measurement Units	Qualitative	NA	N/A
COMPLETENESS	Plan vs. Actual samples Usable results vs. unusable	% by bulk volume	NA	See original Chemical Characterization Plan (planning document); for field/sampling procedures (located in project file); thorough documentation of the planning, sampling/analysis process, and data reduction into formats.
SENSITIVITY	Detection limits	Qualitative	NA	Use of standardized engineering units in the reporting of measurement results.
		<1% by volume	all measures	See Table E-4: final number of samples at Certified Inspector's discretion.
				N/A

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Table E-3 V&V of Beryllium Results, Area 5 - Group 11 Facilities

V&V CRITERIA, CHEMICAL ANALYSES		DATA PACKAGE		COMMENTS
BERYLLIUM	Prep: NMAM 7300 METHOD: OSHA ID-125G	LAB ---->	Reservoirs Environmental, Inc. Denver, Co.	
QUALITY REQUIREMENTS				
ACCURACY	Calibrations Initial	Measure	Frequency	No qualifications significant enough to change project decisions, i.e., classification of Type 1 facilities confirmed. All results were below associated action levels.
	Continuing LCS/MS	linear calibration	≥1	
	Blanks - lab & field	80%<-%R<120%	≥1	
	interference check std (ICP)	80%<-%R<120%	≥1	
PRECISION	LCSD	<MDL	≥1	
	field duplicate	NA	NA	
REPRESENTATIVENESS	COC	80%<-%R<120% (RPD<20%)	≥1	
	hold times/preservation	all results < RL	≥1	
	Controlling Documents (Plans, Procedures, maps, etc.)	Qualitative	NA	
COMPARABILITY	measurement units	Qualitative	NA	
	Plan vs. Actual samples	Qualitative	NA	
COMPLETENESS	usable results vs. unusable	ug/100cm ²	NA	
	detection limits	>95%	NA	
SENSITIVITY		>95%	NA	
		MDL of 0.012 ug/100cm ²	all measures	

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Table E-4 Data Completeness Summary, Area 5 - Group 11 Facilities

ANALYTE	Building/Area /Unit	Sample Number Planned (Real & QC) ^A	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Asbestos	T750A (interior)	6 biased (interior)	2 biased (interior)	No ACM present, all results are < 1% by volume	40 CFR763.86; 5 CCR 1001-10; EPA 600/R-93/116 RIN03Z1667
Asbestos	T750C (interior)	6 biased (interior)	3 biased (interior)	No ACM present, all results are < 1% by volume	40 CFR763.86; 5 CCR 1001-10; EPA 600/R-93/116 RIN03Z1667
Asbestos	T750F (interior)	6 biased (interior)	3 biased (interior)	No ACM present, all results are < 1% by volume	40 CFR763.86; 5 CCR 1001-10; EPA 600/R-93/116 RIN03Z1667
Asbestos	T750G (interior)	6 biased (interior)	5 biased (interior)	No ACM present, all results are < 1% by volume	40 CFR763.86; 5 CCR 1001-10; EPA 600/R-93/116 RIN03Z1667
Asbestos	Building 750 (interior)	60 biased (interior)	43 biased (interior)	ACM present, numerous results are > 1% by volume (18 locations > 1% by volume)	40 CFR763.86; 5 CCR 1001-10; EPA 600/R-93/116 RIN03Z1695 ACM greater than 1% by volume was identified at numerous locations in Building 750. Refer to Section 4.1 and Attachment D for ACM material descriptions, locations and estimated quantities. The ACM will be managed and disposed of in compliance with Environmental Protection Agency (EPA) and Colorado Department of Public Health and Environment (CDPHE) regulations.
Asbestos	Building 764 (interior)	6 biased (interior)	2 biased (interior)	No ACM present, all results are < 1% by volume	40 CFR763.86; 5 CCR 1001-10; EPA 600/R-93/116 RIN03Z1667

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Table E-4 Data Completeness Summary, Area 5 - Group 11 Facilities

ANALYTE	Building/Area /Unit	Sample Number Planned (Real & QC) ^A	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Asbestos	Building 765 (interior)	6 biased (interior)	1 biased (interior)	No ACM present, all results are < 1% by volume	40 CFR763.86; 5 CCR 1001-10; EPA 600/R-93/116 RIN03Z1667
Beryllium	T750A (interior)	5 biased (interior)	5 biased (interior)	No beryllium contamination found at any location, all results are below associated action levels	OSHA ID-125G RIN03Z1666
Beryllium	T750B (interior)	5 biased (interior)	5 biased (interior)	No beryllium contamination found at any location, all results are below associated action levels	No results above action level (0.2ug/100cm ²) or investigative level (0.1 ug/100cm ²). OSHA ID-125G
Beryllium	T750C (interior)	5 biased (interior)	5 biased (interior)	No beryllium contamination found at any location, all results are below associated action levels	RIN03Z1666 No results above action level (0.2ug/100cm ²) or investigative level (0.1 ug/100cm ²).
Beryllium	T750D (interior)	5 biased (interior)	5 biased (interior)	No beryllium contamination found at any location, all results are below associated action levels	OSHA ID-125G RIN03Z1666 No results above action level (0.2ug/100cm ²) or investigative level (0.1 ug/100cm ²).

Table E-4 Data Completeness Summary, Area 5 - Group 11 Facilities

ANALYTE	Building/Area /Unit	Sample Number Planned (Real & QC) ^A	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Beryllium	T750F (interior)	5 biased (interior)	5 biased (interior)	No beryllium contamination found at any location, all results are below associated action levels	OSHA ID-125G RIN03Z1666 No results above action level (0.2ug/100cm ²) or investigative level (0.1 ug/100cm ²).
Beryllium	T750G (interior)	5 biased (interior)	5 biased (interior)	No beryllium contamination found at any location, all results are below associated action levels	OSHA ID-125G RIN03Z1666 No results above action level (0.2ug/100cm ²) or investigative level (0.1 ug/100cm ²).
Beryllium	Building 750 (interior)	25 biased (interior)	30 biased (interior)	No beryllium contamination found at any location, all results are below associated action levels	OSHA ID-125G RIN03Z1694 and RIN03Z1695 No results above action level (0.2ug/100cm ²) or investigative level (0.1 ug/100cm ²).
Beryllium	Building 764 (interior)	5 biased (interior)	5 biased (interior)	No beryllium contamination found at any location, all results are below associated action levels	OSHA ID-125G RIN03Z1666 No results above action level (0.2ug/100cm ²) or investigative level (0.1 ug/100cm ²).
Beryllium	Building 765 (interior)	5 biased (interior)	5 biased (interior)	No beryllium contamination found, all results are below associated action levels	OSHA ID-125G RIN03Z1666 No results above action level (0.2ug/100cm ²) or investigative level (0.1 ug/100cm ²).

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Table E-4 Data Completeness Summary, Area 5 - Group 11 Facilities

ANALYTE	Building/Area /Unit	Sample Number Planned (Real & QC) ^A	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Radiological	Survey Area 5 Survey Unit: 750-A-001 Building 750 (interior and exterior)	100 α TSA (69 random/31 biased) and 100 α Smears (69 random/31 biased) 30 α TSA and 30 α Smears (equipment) 7 QC TSA 5% scan	102 α TSA (69 random/33 biased) and 102 α Smears (69 random/33 biased) 30 α TSA and 30 α Smears (equipment) 7 QC TSA 5% scan	No elevated contamination at any location; all values below PDS unrestricted release levels	Transuranic and/or Uranium DCGLs as applicable. Initial net activity at sample location #3 (105.6 dpm/100cm ²) was greater than the Transuranic DCGL _w (100 dpm/100cm ²). The location was sealed, allowed to decay and re-surveyed. The re-survey result was less than the Transuranic DCGL and is the value reported in the PDS Data Summary. No further investigation is required.
Radiological	Survey Area 5 Survey Unit: T750A-A-002 T750A (interior and exterior)	25 α TSA (15 random/10 biased) and 25 α Smears (15 random/10 biased) 2 QC TSA 5% scan	25 α TSA (15 random/10 biased) and 25 α Smears (15 random/10 biased) 2 QC TSA 5% scan	No elevated contamination at any location; all values below PDS unrestricted release levels	Transuranic and/or Uranium DCGLs as applicable. Initial net activity at sample locations #3, 6 and 8 (134.8 dpm/100cm ² , 107.4 dpm/100cm ² and 110.8 dpm/100cm ² respectively) were greater than the Transuranic DCGL _w (100 dpm/100cm ²). The locations were sealed, allowed to decay and re-surveyed. The re-survey results were less than the Transuranic DCGL and are the values reported in the PDS Data Summary. No further investigation is required.

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Table E-4 Data Completeness Summary, Area 5 - Group 11 Facilities

ANALYTE	Building/Area /Unit	Sample Number Planned (Real & QC)^A	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Radiological	Survey Area 5 Survey Unit: T750B-A-003 T750B (interior and exterior)	25 α TSA (15 random/10 biased) and 25 α Smears (15 random/10 biased) 2 QC TSA 5% scan	25 α TSA (15 random/10 biased) and 25 α Smears (15 random/10 biased) 2 QC TSA 5% scan	No elevated contamination at any location; all values below PDS unrestricted release levels	Transuranic and/or Uranium DCGLs as applicable. Initial net activity at sample locations #3, 6, 10 and 14 (132.4 dpm/100cm ² , 141.5 dpm/100cm ² , 105.0 dpm/100cm ² and 136.0 dpm/100cm ² respectively) were greater than the Transuranic DCGL _w (100 dpm/100cm ²). The locations were sealed, allowed to decay and re-surveyed. The re-survey results were less than the Transuranic DCGL and are the values reported in the PDS Data Summary. No further investigation is required.
Radiological	Survey Area 5 Survey Unit: T750C-A-004 T750C (interior and exterior)	25 α TSA (15 random/10 biased) and 25 α Smears (15 random/10 biased) 2 QC TSA 5% scan	25 α TSA (15 random/10 biased) and 25 α Smears (15 random/10 biased) 2 QC TSA 5% scan	No elevated contamination at any location; all values below PDS unrestricted release levels	Transuranic and/or Uranium DCGLs as applicable. Initial net activity at sample locations #5, 12 and 14 (147.8 dpm/100cm ² , 151.0 dpm/100cm ² and 124.2 dpm/100cm ² respectively) were greater than the Transuranic DCGL _w (100 dpm/100cm ²). The locations were sealed, allowed to decay and re-surveyed. The re-survey results were less than the Transuranic DCGL and are the values reported in the PDS Data Summary. No further investigation is required.
Radiological	Survey Area 5 Survey Unit: T750D-A-005 T750D (interior and exterior)	25 α TSA (15 random/10 biased) and 25 α Smears (15 random/10 biased) 2 QC TSA 5% scan	25 α TSA (15 random/10 biased) and 25 α Smears (15 random/10 biased) 2 QC TSA 5% scan	No elevated contamination at any location; all values below PDS unrestricted release levels	Transuranic and/or Uranium DCGLs as applicable.

Table E-4 Data Completeness Summary, Area 5 - Group 11 Facilities

ANALYTE	Building/Area /Unit	Sample Number Planned (Real & QC) ^A	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Radiological	Survey Area 5 Survey Unit: T750F-A-006 T750F (interior and exterior)	25 α TSA (15 random/10 biased) and 25 α Smears (15 random/10 biased) 2 QC TSA 5% scan	25 α TSA (15 random/10 biased) and 25 α Smears (15 random/10 biased) 2 QC TSA 5% scan	No elevated contamination at any location; all values below PDS unrestricted release levels	Transuranic and/or Uranium DCGLs as applicable.
Radiological	Survey Area 5 Survey Unit: T750G-A-007 T750G (interior and exterior)	25 α TSA (15 random/10 biased) and 25 α Smears (15 random/10 biased) 2 QC TSA 5% scan	25 α TSA (15 random/10 biased) and 25 α Smears (15 random/10 biased) 2 QC TSA 5% scan	No elevated contamination at any location; all values below PDS unrestricted release levels	Transuranic and/or Uranium DCGLs as applicable. Initial net activity at sample locations #5 and 12 (162.0 dpm/100cm ² , and 139.3 dpm/100cm ² respectively) were greater than the Transuranic DCGL _w (100 dpm/100cm ²). The locations were sealed and re-surveyed after a decay period. The re-survey results were less than the Transuranic DCGL and are the values reported in the PDS Data Summary. No further investigation is required.
Radiological	Survey Area 5 Survey Unit: 764-A-008 Building 764 (interior and exterior)	25 α TSA (15 random/10 biased) and 25 α Smears (15 random/10 biased) 2 QC TSA 5% scan	25 α TSA (15 random/10 biased) and 25 α Smears (15 random/10 biased) 2 QC TSA 5% scan	No elevated contamination at any location; all values below PDS unrestricted release levels	Transuranic and/or Uranium DCGLs as applicable.

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Table E-4 Data Completeness Summary, Area 5 - Group 11 Facilities

ANALYTE	Building/Area /Unit	Sample Number Planned (Real & QC) ^A	Sample Number Taken (Real & QC)	Project Decisions (Conclusions) & Uncertainty	Comments (RIN, Analytical Method, Qualifications, etc.)
Radiological	Survey Area 5 Survey Unit: 765-A-009 Building 765 (interior and exterior)	25 α TSA (15 random/10 biased) and 25 α Smears (15 random/10 biased) 2 QC TSA 5% scan	25 α TSA (15 random/10 biased) and 25 α Smears (15 random/10 biased) 2 QC TSA 5% scan	No elevated contamination at any location; all values below PDS unrestricted release levels	Transuranic and/or Uranium DCGLs as applicable.

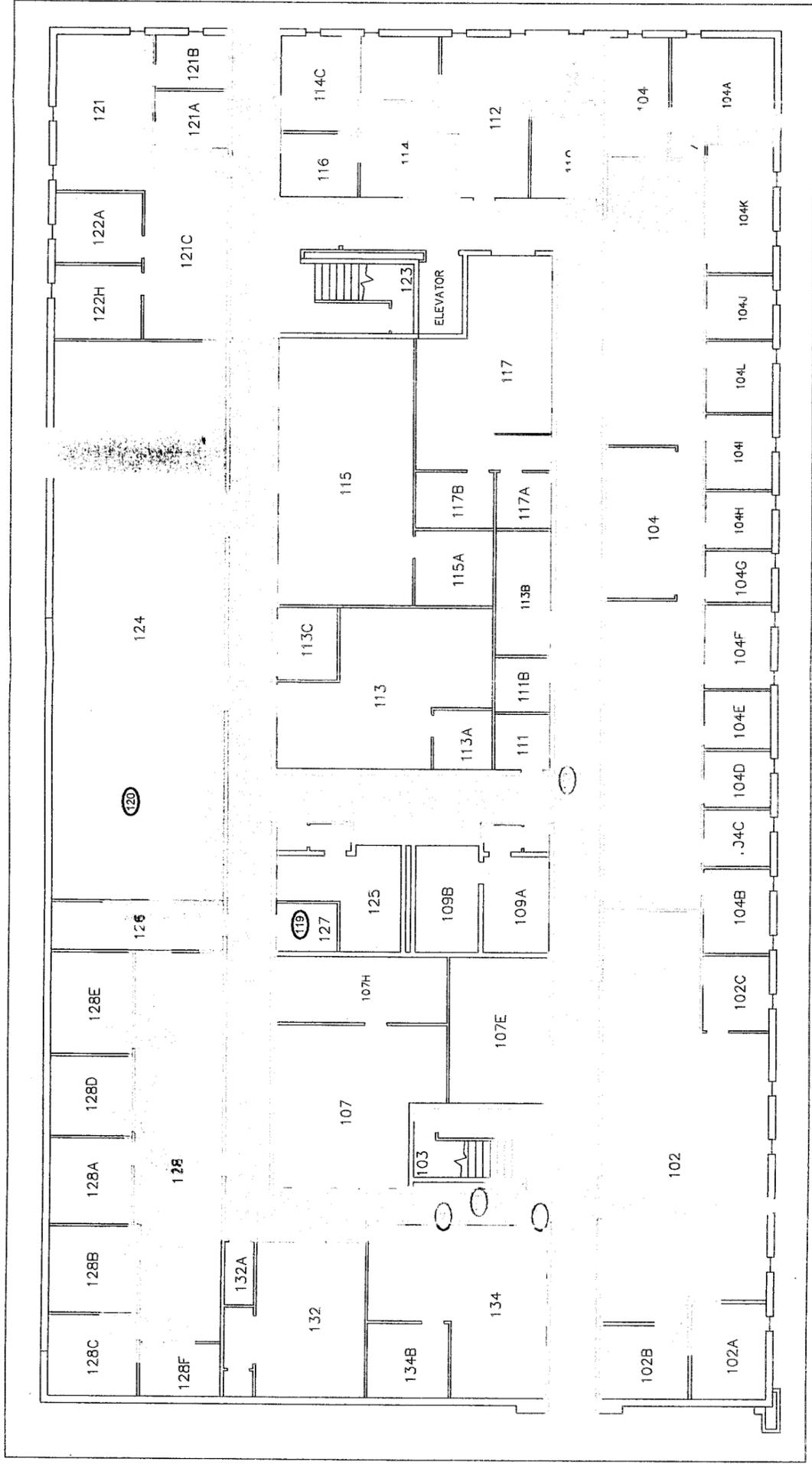
160/160

PRE-DEMOLITION SURVEY FOR B750

Survey Area: 5 Survey Unit: 750-A-001 Classification: 3
 Building: 750
 Survey Unit Description: B750 Interior & Exterior
 Total Floor Area: 24,611 sq. m. Total Floor Area: 4,568 sq. m.

PAGE 28 OF 29

B750 1st Floor Interior

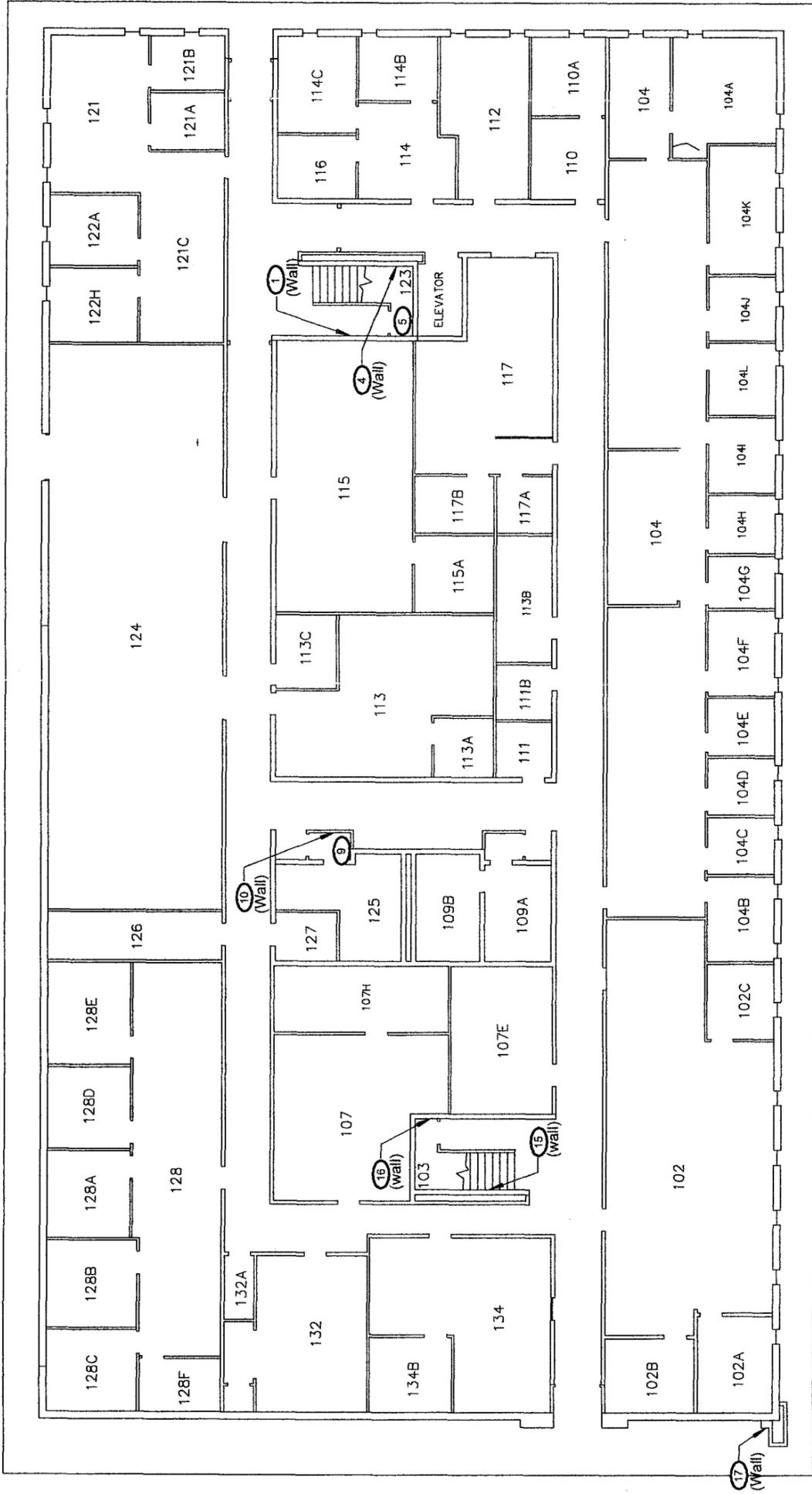


KEY PLAN

<p>SURVEY MAP LEGEND</p> <ul style="list-style-type: none"> Smear & TSA Location Smear, TSA & Sample Location Open/Unaccessible Area Area in Another Survey Unit 	<p>Neither the United States Government nor Kaiser Hill Co., Inc. (Kaiser Hill) are responsible for any errors or omissions in this report, or any liability or responsibility for the accuracy, completeness or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.</p> <p>Scan Survey Information Survey Instrument ID #(s) & RCT ID #(s):</p>	<p>0 25 FEET 0 8 METERS</p> <p>1 inch = 18 feet 1 grid sq. = 1 sq. m.</p>	<p>Scan Area</p>

CHEMICAL SAMPLE MAP

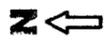
Building: 750 Interior
Asbestos



KEY PLAN

SURVEY MAP LEGEND
Asbestos Sample Location
Beryllium Sample Location
Lead Sample Location
RCRA/CERCLA Sample Location
PCB Sample Location

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1 inch = 18 feet 1 grid sq. = 1 sq. m.

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Rocky Flats Environmental Technology Site
Prepared by: GIS Dept. 303-966-7707
Prepared for: 
CH2M HILL
Communications Group
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