Michigan Laboratories
Pfizer Inc
2800 Plymouth Road
Ann Arbor, MI 48105
Tel 734 622 4467 Fax 734 622 7001

# Global Research & Development

June 3, 2008
Ms. Patricia J. Pelke
United States Nuclear Regulatory Commission
Region III Materials Licensing Branch
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4351

Subject: Request to Terminate License Number 21-01443-06

Dear Ms. Pelke:

This letter and the enclosed NRC Form 314 are to request the termination of radioactive materials license number 21-01443-06 authorizing unrestricted release of the Warner-Lambert, LLC facilities (a wholly owned subsidiary of Pfizer, Inc.). The facilities are located at 2800 Plymouth Road, Ann Arbor, MI and 1600 Huron Parkway, Ann Arbor, MI.

Licensed activities have ceased and the facilities have undergone decommissioning. Decommissioning was conducted under the provisions of the Warner-Lambert, LLC radioactive materials license and in accordance with a MARSSIM-based Decommissioning Work Plan. The enclosed Final Status Report provides conclusive evidence that the facility meets the criteria for unrestricted use specified in 10 CFR 20 Subpart E. Additionally, each structural surface final status measurement indicates that residual licensed material at the facility is less than the Pfizer ALARA goals of 5000 dpm/100cm$^2$ total activity, and 1000 dpm/100cm$^2$ removable activity. Dose modeling indicates that the TEDE to an average member of the critical group is < 0.02 mrem/year (< 0.08% of the NRC release criterion of 25 mrem/yr).

I have personally inspected the facilities and verified that all licensed radioactive material and all radioactive markings have been removed from the facilities. I appreciate your time and efforts with this matter and look forward to hearing back from you. If you have any questions or concerns, please contact me at 734-622-4467.

Sincerely yours,

Carol Lentz
Radiation Safety Officer

Debra Gmerek
Vice President, Development
Site Director Michigan Labs

RECEIVED JUN 0 9 2008

NRC FORM 314 (4-2008) 10 CFR 30.36(j)(1); 40.42(j)(1); 70.38(j)(1); and 72.54(k)(5)(1)(1)

U.S. NUCLEAR REGULATORY COMMISSION

# CERTIFICATE OF DISPOSITION OF MATERIALS

APPROVED BY OMB: NO. 3150-0028 EXPIRES: 08/31/2010

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

LICENSEE NAME AND ADDRESS

**Warner-Lambert, LLC**
**2800 Plymouth Road**
**Ann Arbor, MI 48105**

LICENSE NUMBER: **21-01443-06**
DOCKET NUMBER: **030-04794**
LICENSE EXPIRATION DATE: **09/30/2015**

## A. LICENSE STATUS *(Check the appropriate box)*

This license has expired. ✓ This license has not yet expired; please terminate it.

## B. DISPOSAL OF RADIOACTIVE MATERIAL

***(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)***

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

1. No radioactive materials have ever been procured or possessed by the licensee under this license.

✓ 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner.

✓ a. Transfer of radioactive materials to the licensee listed below: Pfizer, Inc
See Attachment A
Eastern Point Rd
Groton, CT 06340
Lic #: 06-05869-01
Joe Merenda, RSO 860.441.4744

✓ b. Disposal of radioactive materials:

1. Directly by the licensee:

2. By licensed disposal site:

✓ 3. By waste contractor: Chase Environmental Group
See Attachment B
109 Flint Rd
Oak Ridge, TN 37830 865.481.8801

✓ c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

## C. SURVEYS PERFORMED AND REPORTED

✓ 1. A radiation survey was conducted by the licensee. The survey confirms:

a. the absence of licensed radioactive materials

✓ b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.

✓ 2. A copy of the radiation survey results:

✓ a. is attached; or b. is not attached (Provide explanation); or c. was forwarded to NRC on: Date

3. A radiation survey is not required as only sealed sources were ever possessed under this license, and

a. The results of the latest leak test are attached; and/or b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

| NAME | TITLE | TELEPHONE *(Include Area Code)* | E-MAIL ADDRESS |
|---|---|---|---|
| **Carol Lentz** | **Radiation Safety Manager** | **(734) 622-4467** | carol.lentz@pfizer.com |

Mail all future correspondence regarding this license to:
**2800 Plymouth Road Ann Arbor MI 48105**

## C. CERTIFYING OFFICIAL

**I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT**

PRINTED NAME AND TITLE: **Carol Lentz, Radiation Safety Manager**
SIGNATURE: [signature]
DATE: 6/5/08

**WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.**

Attachment A

## Lentz, Carol

**From:** Lentz, Carol
**Sent:** Thursday, June 05, 2008 10:49 AM
**To:** Carol Lentz
**Subject:** Sources Shipped to Groton

SOURCES SHIPPED TO PFIZER, Inc. , GROTON CT.

**TODAY 07/19/07**

| | MBq | mCi | TODAY mCi | | | MODEL | SERIAL NUM |
|---|---|---|---|---|---|---|---|
| Ge-68 | 40.000 | 1.070000 | 0.573186 | 11/17/2006 | CYLINDER | CS-10 PHANTOM | 2885 |
| Ge-68 | 40.000 | 1.070000 | 0.573186 | 11/17/2006 | CS-10 aliquot | CS-10 aliquot | 2885 |
| **Ge-68** | | **CURRENT TOTAL** | **1.615079** | **mCi** | | | |
| Co-57 | 185.000 | 5.000000 | 1.492379 | 4/1/2006 | POINT SOURCE | D2-859 | 1142-72 |
| **Co-57** | | **CURRENT TOTAL** | **1.492379** | **mCi** | | | |
| Cs-137 | 9.072 | 0.245200 | 0.237974 | 4/1/2006 | REFERENCE | REFERENCE | 1145-56-10 |
| Cs-137 | 9.091 | 0.245700 | 0.238459 | 4/1/2006 | REFERENCE | REFERENCE | 1145-56-1 |
| **Cs-137** | | **CURRENT TOTAL** | **0.476432** | **mCi** | | | |

Attachment B

## Decommissioning Waste: Low-Level DAW Disposed by Perma-Flx

### Sealed Sources: Disposal Brokered by Chase Environmental Group

| Isotope | Activity | Physical Form | Device | Dimensions |
|---|---|---|---|---|
| 210Po | 23.25 mCi | Solid | Static Eliminators | 6cm x 2cm and 2.5cm x 2cm |
| 137Cs | 10 uCi | Solid | Check Source | 2.5 cm dia. |
| 137Cs | 1 uCi | Solid | Check Source | 7 cm tube |
| 137Cs | 1 uCi | Solid | Check Source | 2.5 cm dia. |
| 137Cs | 1 uCi | Solid | Check Source | 2.5 cm dia. |
| 68Ge | 250 uCi | Solid Cylinder | Phantom | 10cm x 5cm dia |
| 68Ge | 18.5 MBq | Solid | Point Source | 5cm Rod |
| 68Ge | 34 MBq | Solid | Point Source | 5cm Rod |
| 68Ge | 40 uCi | Solid | Point Source | 5cm Rod |
| 68Ge | 4 uCi | Solid | Rod Source | 16cm x 2mm dia |
| 68Ge | 60 uCi | Solid | Rod Source | 16cm x 2mm dia |
| 68Ge | 93 uCi | Solid | Sealed Source | 7 cm tube |
| 129I | 0.1 uCi | Solid | Sealed Source | 7 cm tube |
| 129I | < 0.1 uCi | Solid | Sealed Source | 10 cm tube |

### Mixed Waste: Disposed by Perma-Flx

| Item | Description |
|---|---|
| 1 | 931 µCi of S-35 in 5-gal. solution of water, TCA, buffer; pH of 2 |
| 2 | 320 µCi of S-35 in 5-gal. solution of water, TCA, buffer; pH of 2 |
| 3 | 147 µCi of H-3 in 3,000 ml solution of acetonitrile, toluene, xylene |
| 4 | Water with 4.14 µCi of H-3 and 2.62 µCi of C-14 |

# Ann Arbor Site Decommissioning Final Status Report

**Pfizer Global Research and Development**
**2800 Plymouth Road**
**Ann Arbor, MI 48106-1047**

**NRC License Number 21-01443-06**
**Michigan DEQ Registration Number 393-1**

**May 15, 2008**

| | | | | |
|---|---|---|---|---|
| Prepared: | Dave Culp | Radiological Engineer | Date: | 5/15/08 |
| Technical Review: | Patrick McDermott | Certified Health Physicist | Date: | 6/2/08 |
| Approved: | Ken Gavlik | Project Manager | Date: | 6/2/08 |

**Prepared by:**
**Chase Environmental Group, Inc.**
**109 Flint Road**
**Oak Ridge, TN 37830**
**865-481-8801**

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## ACRONYMS

| | |
|---|---|
| AHU | Air Handling Unit |
| ALARA | As Low As Reasonably Achievable |
| CFR | Code of Federal Regulations |
| $DCGL_{EMC}$ | Derived Concentration Guideline Level – Elevated Measurement Comparison |
| $DCGL_{W}$ | Derived Concentration Guideline Level – Wilcoxon Rank Sum |
| DEQ | Michigan Department of Environmental Quality |
| DWP | Decommissioning Work Plan |
| DQA | Data Quality Assessment |
| DQO | Data Quality Objective |
| DSV | Default Screening Value |
| EF | (Ventilation) Exhaust Fan |
| FSS | Final Status Survey |
| FSSR | Final Status Survey Report |
| GSF | Gross Square Feet |
| HSA | Historical Site Assessment |
| HVAC | Heating , Ventilation and Air Conditioning |
| LBGR | Lower Bound of the Gray Region |
| LF | Linear Feet |
| MARSSIM | Multi-Agency Radiation Survey and Site Investigation Manual |
| MDC | Minimum Detectable Concentration |
| NARM | Naturally-occurring and Accelerator-produced Radioactive Materials |
| NRC | U.S. Nuclear Regulatory Commission |
| NIST | National Institute of Standards and Technology |
| PET | Positron Emission Tomography |
| QA | Quality Assurance |
| QAPP | Quality Assurance Project Plan |
| RF | (Ventilation) Return Fans |
| RIA | Radio-Immuno Assay |
| RSO | Radiation Safety Officer |
| TEDE | Total Effective Dose Equivalent |

# 1.0 Executive Summary

Pfizer Inc. (Pfizer) has decided to cease licensed activities and permanently decommission their Ann Arbor research campus located at 1600 Huron Parkway and 2800 Plymouth Road, Ann Arbor, MI 48106-1047. The facility is being decommissioned for unrestricted use and offered for sale or lease. This requires termination of US Nuclear Regulatory Commission (NRC) license 21-01443-06 held by Warner-Lambert, LLC, a wholly-owned subsidiary of Pfizer, and State of Michigan Department of Environmental Quality (DEQ) registration 393-1 held by Pfizer Global Research and Development.[1]

Over the past two years, Pfizer has decommissioned five satellite facilities such that only the main campus remains. Main campus facilities include research laboratories, offices, vivarium space, a bio-imaging cyclotron facility and other support facilities. The campus consists of more than two million square feet of building floor area on approximately fifty acres of property located in a commercial and residential area of Ann Arbor, MI.

Radioactive materials used at the facility consisted of a variety of radionuclides for research[2]. Primarily these included H-3, C-14, P-32, and P-33. Based on an analysis of the default screening values, quantities used, physical forms, half-lives, and receipt and distribution records, H-3 and C-14 are the only nuclides of concern for decommissioning.

Warner-Lambert was first authorized to use byproduct materials at the Ann Arbor Facility in 1959. Research activities using radioactive materials ceased in May 2007. All remaining licensed materials were packaged as radioactive waste per US Department of Transportation (DOT) requirements and shipped off-site on April 23, 2008.

Pfizer procured Chase Environmental Group, Inc. (Chase) to perform decommissioning activities. Decommissioning was conducted under the provisions of the Pfizer radioactive materials license and in accordance with a project-specific Decommissioning Work Plan (DWP) and a Quality Assurance Project Plan (QAPP). On-site decommissioning activities were performed from February 4 to April 23, 2008.

The DWP was developed using the guidance provided in NUREG 1757, "Consolidated NMSS Decommissioning Guidance"; and NUREG 1575, "Multi-Agency Radiation Survey and Site Investigation Manual" (MARSSIM). It provided the approach, methods, and techniques for the radiological decommissioning of impacted areas of the facility. Final status surveys were designed to implement the protocols and guidance provided in MARSSIM to demonstrate compliance with the default screening values specified in NUREG 1757, Appendix B or generated using the default scenarios and parameters of

[1] Materials possessed under the NRC license and under the Michigan registration are considered in aggregate under this decommissioning effort to allow one report to demonstrate compliance with release criteria for both authorizations.

[2] Pfizer also operated a Positron Emission Tomography (PET) cyclotron. The cyclotron was shipped off site and building structures in the cyclotron room were determined to be non-impacted for activation products as a result of cyclotron operations.

the DandD code v.2.1. These methods ensured technically defensible data were generated to aid in determining whether or not the facility meets the release criteria for unrestricted use specified in 10 CFR 20 Subpart E.

Pfizer established conservative ALARA goals based on the release criteria for equipment and materials specified in FC 83-23, "Guidelines for the Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Byproduct, Source, or Special Nuclear Material Licenses." Specifically, the following surface contamination limits were used for decommissioning activities:

- 5,000 dpm/100cm$^2$ total surface contamination (averaged over 1m$^2$)
- 15,000 dpm/100cm$^2$ maximum total surface contamination (limited to 100 cm$^2$)
- 1,000 dpm/100cm$^2$ removable surface contamination, except drain line internal surfaces[3]

Facility characterization surveys identified numerous locations with residual radioactivity above ALARA goals, but below the Default Screening Value (DSV). Only two areas of elevated activity were above the DSV. More than half of the elevated areas were located in Building 25, where radiosynthesis operations were previously performed, and where high activity concentrations were used for research. All surfaces were remediated to below ALARA goals for final status.

This report presents sufficient data to support the conclusion that the facility meets the NRC release criteria. Final status surveys demonstrate that building structural surfaces and systems included in the scope of this report are orders of magnitude below release criteria and are suitable for unrestricted release. All surface contamination measurements were less than the ALARA goals. Based on the Building Occupancy Scenario of NRC DandD dose modeling software Version 2.1, **the Total Effective Dose Equivalent (TEDE) to an average member of the critical group is < 0.02 mrem/year (< 0.08% of the release criterion of 25 mrem/yr)** using the results of the survey unit with the highest average activity.

Pfizer requests that the NRC release the site for unrestricted use and terminate radioactive materials license number 21-01443-06.

[3] There were numerous drains that exceeded the conservative FC 83-23 limits for removable radioactivity, so Pfizer relaxed the ALARA goal for drain system internal surfaces to 37,000 dpm/100cm$^2$ (1% of the DSV for C-14). Residual activity at these levels has an insignificant dose consequence because there is no credible exposure pathway for future occupants.

# 2.0 Site Descriptions and History

## 2.1 Historical Site Assessment

Chase performed a Historical Site Assessment (HSA) in June and July 2007. The purpose of the HSA was to determine the current status of the facility including potential, likely, or known sources of radioactive contamination by gathering data from various sources. This data included physical characteristics and location of the site as well as information determined from personnel interviews and found in site operating records, including radiological surveys.

Records that were reviewed included: radioactive materials licenses, license applications, amendment requests, meeting minutes, radiological surveys, radionuclide receipt and distribution records, incident reports, facility renovation records, blueprints, plans and design specifications. Personnel interviews included radiation safety, maintenance, operations, and facilities personnel. Current and previous employees having knowledge of facility historical operations were interviewed. The interviewees' presence at the facility spanned the continuous period of facility operations from 1983 to present.

## 2.2 Ownership

In 1957 Parke-Davis Pharmaceutical Research Division purchased 48.64 acres from the University of Michigan. Site construction commenced in 1957 and the site became operational in 1959 as a research and development facility including pre-clinical testing and product development. In 1970 Warner-Lambert acquired Parke-Davis & Co. In 2000, Pfizer acquired Warner-Lambert/Parke-Davis.

The facility and surrounding properties are currently owned by Warner Lambert LLC, a wholly-owned subsidiary of Pfizer Inc. Ownership will remain with Warner Lambert (Pfizer) following decommissioning. However, Pfizer intends to offer the site for sale immediately upon achieving unrestricted release.

## 2.3 Potential Contaminants

Potential contaminants were determined from Broad Scope license 21-01443-06 files, including survey and materials receipt records[4]. Records were available on site from 1983 to the present. License records for operations prior to 1983 were obtained from NRC Region III. The nuclides and quantities were fairly consistent from year to year, and according to personnel interviewed, were consistent with laboratory research, development and waste operations from previous years where data were not readily available.

Table 2-1 lists the nuclides used at the facility. This list was compiled through review of radionuclide receipt and distribution records, radioactive waste records, audit and survey records, and interviews with facility personnel.

[4] Activation products as a result of cyclotron operations were determined to be insignificant.

**Table 2-1 Radionuclides Used**

| Nuclide | Half Life (years) | Dispersible Form? | Half Life >120 days? |
|---|---|---|---|
| H-3 | 12.3 y | YES | YES |
| C-14 | 5730 y | YES | YES |
| Na-22 | 2.62 y | YES | YES |
| Na-24 | 15 h | YES | NO |
| P-32 | 14.3 d | YES | NO |
| P-33 | 24.4 d | YES | NO |
| S-35 | 87.9 d | YES | NO |
| Cl-36 | 301,000 y | YES | YES |
| K-42 | 12 h | YES | NO |
| Ca-45 | 165 d | YES | YES |
| Sc-46 | 83.8 d | YES | NO |
| Ca-47 | 162 d | YES | YES |
| Cr-51 | 27.8 d | YES | NO |
| Fe-55 | 2.7 y | YES | YES |
| Fe-59 | 45.6 d | YES | NO |
| Co-60 | 5.27 y | NO | YES |
| Ni-63 | 100.1 y | NO | YES |
| Zn-65 | 244 d | YES | YES |
| Se-75 | 119.8 d | YES | NO |
| Sr-85 | 64.8 d | YES | NO |
| Rb-86 | 18.7 d | YES | NO |
| Sr-90 | 29.1 y | NO | YES |
| Nb-95 | 35 d | YES | NO |
| Ru-103 | 39.5 d | YES | NO |
| In-111 | 2.8 d | YES | NO |
| Sb-122 | 2.7 d | YES | NO |
| Sb-124 | 60.2 d | YES | NO |
| Sb-125 | 2.7 y | YES | YES |
| I-125 | 60.2 d | YES | NO |
| I-131 | 8.1 d | YES | NO |
| Ba-133 | 10.5 y | NO | YES |
| Cs-137 | 30.23 y | NO | YES |
| La-140 | 40 h | YES | NO |
| Ce-141 | 32.5 d | YES | NO |
| Au-198 | 2.7 d | YES | NO |

All short-lived nuclides ($t_{1/2}$ < 120 days) were eliminated from consideration as nuclides of concern. All sealed sources were eliminated from consideration because there has never been any indication of leakage.

After considering quantities of radionuclides used, the locations of use, and the impact of radioactive decay, the nuclides of concern are H-3 and C-14. Some long-lived beta emitters (i.e., Cl-36) were used in very small quantities compared to C-14. These nuclides are not considered separately because, even if they are present, they will be detected and maintained at a small fraction of their screening values using survey protocols and ALARA goals designed for C-14.

Sealed sources used at the site include those found in analytical instruments. The activities of most of these sources are less than that required for periodic leak testing. Leak tests on Ni-63 and Cs-37 sources were performed at six month intervals with no indication of leakage. These instruments, along with the sources, were relocated to other Pfizer licensed facilities or disposed during the decommissioning process. However, Pfizer will retain one liquid scintillation counter on site until license termination.

## 2.4 License History

The facility operated under an Atomic Energy Commission license until January 19, 1975. The facility currently operates under NRC license 21-01443-06 Broad Scope Type B. Radioactive materials license files were reviewed to identify historical operations, nuclides used and quantities used. Essentially, licensed operations for research and development did not change much over the history of the license. Amendments typically made minor administrative changes and minor changes in authorized materials and quantities. Much of the license history deals with allowable quantities, usage, RSO changes and facility additions and releases. Radioactive materials receipt and use records offered the most insight regarding potential nuclides of concern and quantities used.

**License Number 21-01443-06**

License Number 21-01443-06 is currently on Amendment 62, issued October 19, 2007 with an expiration date of September 30, 2015. Amendment 62 possession limits and authorized uses are summarized in Table 2-2.

**Table 2-2 License 21-01443-06 Possession Limits and Uses**

| Isotope | Physical Form | Possession Limit (mCi) | Authorized Usage |
|---|---|---|---|
| H-3 | Any | 2,000 | R&D as defined 10CFR30.4 including animal studies |
| C-14 | Any | 2,000 | R&D as defined 10CFR30.4 including animal studies |
| Na-22 | Any | 100 | R&D as defined 10CFR30.4 including animal studies |
| P-32 | Any | 15 | R&D as defined 10CFR30.4 including animal studies |
| P-33 | Any | 15 | R&D as defined 10CFR30.4 including animal studies |

| Isotope | Physical Form | Possession Limit (mCi) | Authorized Usage |
|---|---|---|---|
| Sr-35 | Any | 15 | R&D as defined 10CFR30.4 including animal studies |
| Ca-45 | Any | 1 | R&D as defined 10CFR30.4 including animal studies |
| Sc-46 | Any | 100 | R&D as defined 10CFR30.4 including animal studies |
| Cr-51 | Any | 250 | R&D as defined 10CFR30.4 including animal studies |
| Fe-59 | Any | 100 | R&D as defined 10CFR30.4 including animal studies |
| Sr-85 | Any | 150 | R&D as defined 10CFR30.4 including animal studies |
| Rb-86 | Any | 500 | R&D as defined 10CFR30.4 including animal studies |
| Nb-95 | Any | 100 | R&D as defined 10CFR30.4 including animal studies |
| Ru-103 | Any | 100 | R&D as defined 10CFR30.4 including animal studies |
| I-125 | Any | 15 | R&D as defined 10CFR30.4 including animal studies |
| I-131 | Any | 15 | R&D as defined 10CFR30.4 including animal studies |
| Ce-141 | Any | 141 | R&D as defined 10CFR30.4 including animal studies |
| H-3 | Foils or plated sources incorporated in gas chromatograph | Per Registration | Gas chromatograph sample analysis |
| Sr-90 | Foils or plated sources incorporated in gas chromatograph | Per Registration | Gas chromatograph sample analysis |
| Ni-63 | Foils or plated sources incorporated in gas chromatograph (NRD, LLC Model N-001) | Per Registration | Gas chromatograph sample analysis |
| Cs-137 | Sealed Source | 250 microcuries per source (Total of 5 | Reference standard for dose calibrator |

| Isotope | Physical Form | Possession Limit (mCi) | Authorized Usage |
|---|---|---|---|
| | | millicuries) | |

Amendments were reviewed to evaluate how operations changed over the years and relevance to decommissioning. Amendments are described in Table 2-3.

**Table 2-3 License 21-01443-06 Amendment History**

| Amendment | Date | Description |
|---|---|---|
| 62 | 10/19/07 | Released Plymouth Township Satellite Facility |
| 61 | 6/4/07 | Reduced possession limits to eliminate the need for a decommissioning funding plan and reduce the financial assurance requirement |
| 60 | 12/19/06 | Released Traverwood Satellite Facility |
| 59 | 3/20/06 | Released Domino Farms Satellite Facility |
| 58 | 9/18/05 | Application Dated 6/13/05 - license renewal |
| 57 | 1/25/05 | Changed RSO |
| 56 | 9/5/03 | Letter dated 6/18/03 – change of corporate form |
| 55 | 11/20/02 | Letter 10/1/02 – Added Cs-137 source and increased operations at the Plymouth Township Facility |
| 54 | 6/24/02 | Letter 5/30/02 – Add 1600 Huron Parkway |
| 53 | 4/4/02 | Letter 1/16/02 – added electronic inventory and purchasing system. Updated financial assurance instrument. |
| 52 | 9/13/00 | Letter 4/4/00 – added trisorber |
| 51 | 6/27/00 | Letter 4/4/00 - added 2900 Huron Parkway (Traverwood Facility) |
| 50 | 9/15/99 | Letter 8/31/99 – restored 24 Frank Lloyd Wright Drive (inadvertently left off amendment 48) |
| 49 | 8/9/99 | Letter 7/12/99 – added Plymouth Township Facility |
| 48 | 8/17/94 | Application Dated 12/14/93 |
| 47 | 8/16/93 | C-14 50 Ci in any form<br>Na-22 20 mCi in any form (note: 100 mCi in Amendment 48)<br>Ca-45 1 Ci in any form (note: 500 mCi in Amendment 48) |
| 46 | 8/20/92 | Condition 26 added verbiage regarding emergency plan quantities. Added P-33 |
| 45 | 3/11/92 | Increased quantities of short-lived isotopes |
| 44 | 1/3/92 | Authorized decay-in storage |
| 43 | 7/26/91 | Authorized interim storage of waste |
| 42 | 5/29/91 | Name change from Parke-Davis Warner-Lambert Company to Parke-Davis & Company<br>Added 24 Frank Lloyd Wright Drive (Domino Farms Facility) |
| 41 | 2/23/90 | Added Rb-86 |
| 40 | 1/11/89 | Renewal - Application dated 11/16/89 |
| 39 | | Not found |

| Amendment | Date | Description |
|---|---|---|
| 38 | 1/24/86 | Letter dated 12/13/85<br>8-83 except alpha emitter – not to exceed 10 mCi per nuclide, 100 mCi total ,except:<br>Cr-51: 25 mCi<br>I-125: 25 mCi<br>C-14: 10 Ci<br>H-3: 50 Ci |
| 37 | 6/19/85 | Condition 19 added reference letter April 16, 1985 – revised radiation safety manual. |
| 36 | 5/22/84 | Letter dated 4/2/84 |
| 35 | 12/23/83 | Changed RSO |
| 34 | 9/21/81 | Letter dated 3/19/81 added reference application 3/28/79, and letters 8/3/79, 1/4/80, 2/2/81, 3/19/81 |
| 33 | 6/3/81 | Letter dated 2/2/81<br>added 3-83 inclusive, except alpha emitters, in any form- not to exceed 10mCi per nuclide, 100 mCi total except<br>Cr-51: 25mCi<br>I-125: 25mCi<br>C-14: 5Ci<br>H-3: 50 Ci |
| 32 | 3/14/80 | Renewal application dated 3/28/79<br>Use amended for use in research and development as defined in Section 30.4(q), 10CFR30 |
| 31 | 7/20/78 | Application dated 6/28/78<br>added Ni-63, plated source, not to exceed 15mCi per source |
| 30 | 4/4/78 | Application dated 3/1/78<br>added Ni63, foils, seven sources not to exceed 15mCi each.<br>Condition 16 added reference applications 4/5/63, 3/28/67, 3/9/70, 3/11/74, and 3/1/78. |
| 29 | 3/2/77 | Letter dated 2/7/77<br>Added Ni-63, foil sources, 5 sources not to exceed 15mCi each<br>Condition 17 added, references leak tests of Ni-63 sources, frequency, detection limits, decontamination and authorized personnel |
| 28 | 1/11/77 | Letter dated 12/17/76, increased quantities<br>C-14, in any form, 1 Ci<br>H-3, in any form, 50 Ci |
| 27 | 12/1/75 | Application dated 11/5/75 added<br>Se-75, in any form, 5 mCi<br>Transition from AEC to NRC. |
| 26 | 4/19/74 | Renewal- Letter dated 3/12/74, |
| 25 | 12/17/70 | Letter dated 12/10/70, increased Ca-45 to 20 mCi |
| 24 | 3/25/70 | Letter dated 3/9/70, Condition 16 added reference applications |

| Amendment | Date | Description |
|---|---|---|
| | | 4/5/63, 3/28/67 and 3/9/70 |
| 23 | 7/14/69 | Letter dated 7/2/69 added Zn-65, in any form, 20 mCi |
| 22 | 4/4/69 | Application dated 3/25/69, Expiration date changed to 4/30/74 |
| 21 | 9/13/68 | Letter dated 8/23/68, added Ni-63, sealed sources, not to exceed 2 mCi per cell |
| 20 | 4/12/67 | Renewal-Application dated 3/28/67<br>Expiration date changed to 4/30/69<br>Condition 16 added reference applications 4/5/63 and 3/28/67 |
| 19 | 1/3/67 | Letter dated 12/12/66,<br>Increased C-14 limit to 250 mCi<br>Added H-3, tritium foils, not to exceed 200 mCi per cell |
| 18 | 3/24/65 | Renewal-Application dated 3/8/65 |
| 17 | 2/5/65 | Letter dated 1/14/65, increased limit of C-14 to 120 mCi |
| 16 | 3/4/64 | Letter dated 2/18/64, added Ba-133, in any form, 5 mCi |
| 15 | 11/21/63 | Letter dated 11/7/63, amended to delete Condition 11 |
| 14 | 5/2/63 | Letter dated 4/26/63 Condition 13 corrected to read "Byproduct material shall be used by or under the direct supervision of individuals designated by the licensee's radioisotope committee." |
| 13 | 4/16/63 | Renewal-Application dated 4/5/63 |
| 12 | 8/6/62 | Letter dated 6/26/62, added La-140, in any form, 50 mCi |
| 11 | 7/13/62 | Letter dated 6/14/62, added Au-198, in any form, 50 mCi |
| 10 | 4/18/62 | Letter dated 4/9/62, added I-125, in any form, 25 mCi |
| 9 | 3/29/62 | Renewal-application dated 2/23/62<br>Increased limits of the following to:<br>C-14: 60 mCi, I-131: 25 mCi, Co-60: 10 mCi, H-3: 30 Ci, Fe-55: 10 mCi, Fe-59: 10 mCi, S-35: 125 mCi, Cr-51: 30 mCi, P-32: 50 mCi<br>Use amended to include used for chemical tracer studies, synthesis of labeled compounds, and for biological studies in vitro and laboratory animals |
| 8 | 2/21/62 | Letter dated 1/24/62, added Sr-90, sealed sources, no single source to exceed 3 uCi |
| 7 | 10/24/61 | Letter dated 10/6/61 added<br>Sb-122, in any form, 50 mCi<br>Sb-124, in any form, 50 mCi<br>Sb-125, in any form, 50 mCi<br>Use amended to include (1) preparation of compounds (2) laboratory studies on lower animals |
| 6 | 8/28/61 | Letter dated 8/8/61<br>Condition 19 added reference to letter 8/8/61 |
| 5 | 4/14/61 | Renewal-Application dated 3/10/61 |
| 4 | 8/29/60 | Application dated 8/5/60 added<br>Sr-90, sealed source, 1 source of 40 mCi<br>H-3, titanium tritide foil, 1 foil 200 mCi |

| Amendment | Date | Description |
|---|---|---|
| 3 | 8/19/60 | Application dated 8/2/60, added<br>Na-24, in any form, 50 mCi<br>K-42, in any form, 50 mCi<br>Cl-36, in any form, 10 mCi<br>Ca-47, in any form, 50 mCi<br>Condition 15 added reference to applications dated 4/6/59 and 8/2/60, and letter dated 4/5/60 |
| 2 | 5/2/60 | Letter dated 4/5/60,<br>increased limits to: C-14:50 mCi, Co-60:5 mCi<br>added:<br>S-35, in any form, 50 mCi<br>Cr-51, in any form, 25 mCi<br>Sr-90, in any form, 1 mCi<br>Ca-45, in any form, 5 mCi<br>P-32, in any form, 50 mCi<br>Condition 13 added byproduct material shall not be used in or on human beings, or in products distributed to the public nor in field applications where activity is released<br>Condition 14 added the ability to incinerate 10 mCi C-14 and 200 mCi H-3 per year |
| 1 | 6/15/59 | Letter dated 6/24/59 added:<br>Fe-55, in any form, 5 mCi<br>Fe-59, in any form, 5 mCi |
| Original | 4/20/59 | C-14, in any form, 15 mCi<br>I-131, in any form, 5 mCi<br>Co-60, in any form, 10 μCi<br>H-3, in any form, 16 Ci<br>Use: Preparation of compounds to be used for tracer type experiments in laboratory animals<br>Condition 11: comply with 10CFR20 Chapter 1<br>Condition 13: H-3 not to exceed 16 Ci<br>Condition 14: byproduct materials shall not be used: in or on human beings; in products distributed to the public; in field applications where activity is released |

**State Authorizations**

Activities involving accelerator-produced materials were conducted under a registration issued by Michigan Department of Environmental Quality, Waste and Hazardous Materials Division, Radiological Protection and Medical Waste Section. Registration 393-1, dated June 2, 2005, was issued to Pfizer Global Research and Development (PGRD) Ann Arbor Labs. The registration authorizes the use of naturally occurring and accelerator produced radioactive materials (NARM). The maximum possession limits for unsealed forms are 30,000 mCi F-18, 10,000 mCi N-13, 10,000 mCi C-11, 10,000 mCi

O-15, 25 mCi Co-57, 25 mCi In-111, and 5,000 mCi for any activation product produced by an accelerator. The license also authorizes sealed sources with maximum activities of 10 mCi Co-57, 5 mCi Ge-68 and 5 mCi Ga-68. Dispersible materials used under this registration are considered in aggregate with materials authorized by the NRC license. The accelerator (PET cyclotron) was removed from the site by the manufacturer in December, 2007. Characterization surveys, including concrete core samples demonstrated that building structural surfaces were not activated to detectable concentrations due to cyclotron operation.

## 2.5 Operational and Closeout Radiological Surveys

During the HSA, the radiological status of the facility was determined by reviewing historical survey records and interviewing Radiation Safety personnel. During operation, facility surfaces were maintained <200 dpm/100cm$^2$ removable surface contamination. The facility conducted routine periodic surveys, which were performed by researchers and Radiation Safety personnel. Laboratory closeout procedures were used when researchers completed experiments involving radioactive materials. In addition to removable contamination measurements, laboratory closeout procedures involved scan surveys using a pancake GM detector for all experiments except those using only H-3 and C-14.

**Routine Monthly Surveys**

Routine periodic surveys were performed by researchers and Radiation Safety personnel. By procedure, all users of radioactive materials were tasked with performing surveys for removable contamination in areas where radioactive materials were used. This was verified during the re-order process. All users were required to submit their previous monthly surveys prior to being allowed to order additional radionuclides for their research. There were also procedures in place for the notification process and steps to be taken in the event elevated activity levels were discovered.

**Quarterly Audit Surveys**

By procedure, the Radiation Safety Group performed quarterly random removable contamination surveys in areas where radioactive materials were used. Procedures were in place for the notification process and steps to be taken in the event elevated levels of radioactivity were discovered. Because areas of radioactive materials usage required surveys, all areas where these surveys were performed were initially classified as Class 2.

**Laboratory Closeout Surveys**

Laboratory closeout procedures were used when researchers completed experiments involving radioactive materials. In addition to removable contamination measurements, laboratory closeout procedures involved scan surveys using a pancake GM detector for all experiments except those using only H-3 and C-14. In preparation for decommissioning, and after vacancy of each room where radioactive materials were used, Pfizer personnel performed extensive removable contamination surveys.

**Scoping Surveys**

Initial scoping surveys were performed during the HSA. The information gained from the onset of the HSA was used to design the scoping survey protocols intended to sample areas with the highest potential for residual radioactivity from historical operations. The scoping survey protocol consisted of:

- Scans for total beta activity in previously contaminated laboratory rooms including Building 20 Radiation Laboratory 21N and the count room laboratory. No elevated activity was identified.
- Removable activity measurements in Building 25 Radio-Synthesis drains. No elevated activity was identified except in the basement at the cleanout prior to exiting the building. The highest C-14 result was 42,255 dpm/100cm$^2$. The highest H-3 result was 20,684 dpm/100cm$^2$.

Subsequent scoping surveys were performed in the cyclotron room several months after removal of the cyclotron (to allow for decay of short-lived activation products). The purpose of the surveys was to evaluate the applicability of activated structural surfaces to the decommissioning effort. Surveys consisted of a 100% scan of building structural surfaces with a 2" x 2" shielded sodium iodide detector. No elevated activity was detected.

Immediately after cyclotron removal, the manufacturer's representative performed surveys of structural surfaces and marked a small area on the concrete floor directly under the target area as being the location of highest activity. This location was sampled by core bore, sectioned and analyzed at a contract laboratory for gamma emitting nuclides. Only naturally-occurring radioactivity was detected. Cobalt and Europium isotopes (that would be present in activated rebar and concrete) were less than the minimum detectable concentration. Consequently, the cyclotron room was classified as nonimpacted for activation products as a result of cyclotron operations. Laboratory analytical reports are presented in Appendix H.

## 2.6 Previous Decommissioning Activities

**Building 25 Radiosynthesis Labs**

From September to November 2004, Integrated Environmental Management, Inc. (IEM) decommissioned the Building 25 radiosynthesis suite consisting of labs 126, 127, 128 and 237. These laboratories were used to synthesize tracer solutions using C-14 and H-3. The majority of synthesis operations were performed in Lab 126. Labs 127 and 128 were primarily used for smear counting and handling small quantities of radioactive materials. Lab 237 was primarily used for synthesis involving tritiated gas. All synthesis activities were ceased in the fourth quarter of 2003.

The labs were essentially gutted in order to meet the project release criteria. All ventilation ducts, drains and fixtures (such as casework, benchtops, fume hoods, etc.)

were removed. Ventilation ducts were removed to just before the utility chases adjacent to the labs. Survey results indicated several of the ventilation system connection stubs in labs 126, 127, and 128 contained removable contamination levels up to 174,000 dpm/100cm$^2$ C-14. Drain lines were removed to the point of exit from the laboratory and capped. Drain survey results indicated removable contamination levels in remaining drain lines up to 4,000 dpm/100cm$^2$ C-14 from Lab 126 and up to 313, 000 dpm/100cm$^2$ C-14 from Lab 127. These drains were removed during site decommissioning.

All vinyl sheet flooring was removed and disposed as radioactive waste. Approximately 300 square feet of concrete surface in Lab 126 was decontaminated using concrete surfacing equipment and HEPA filtered vacuum systems. The floor in Lab 237 required wet wiping to meet the project release criteria. The inner wall of Lab 126 and part of the wall in Lab 127 were removed and disposed. All materials were packaged in plastic bags or cardboard boxes and disposed as radioactive waste.

Once remediation was complete, final status surveys were conducted using MARSSIM protocols to demonstrate compliance with the release criteria specified in FC 83-23, "Guidelines for the Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Byproduct, Source, or Special Nuclear Material Licenses." All lab surfaces less than a 2 meter height were classified as Class 1. Walls and overhead surfaces greater than a 2 meter height were classified as Class 2. 100 % scans were performed in Class 1 survey units, and 50 % scans were performed in Class 2 survey units. Scans were performed ensuring the probe was maintained within one (1) centimeter of the surface or less, at a scan rate not to exceed one detector width per second. A Ludlum Model 43-68 probe was used for scans and direct beta measurements. In areas where the 126cm$^2$ probe was too large, a 15cm$^2$ pancake Geiger-Mueller (GM) probe was used. NIST-traceable Tc-99 sources were used for daily response checks and efficiency determinations.

**Building 25 and Building 20 Ventilation Dismantlement**

In September and October 2007, Chase along with HBC Contracting and Nova Environmental, Inc. were retained to dismantle, remove, package and dispose of radiologically and potentially asbestos contaminated ductwork and ventilation components associated with the former radiosynthesis laboratory fume hoods in Building 20, Rooms 19N and 21N, and Building 25, Room 126.

Ducts consisted of welded 16 gauge stainless steel rectangular duct connected approximately every eight feet using bolted two-inch angle iron flanges. Flange gaskets were constructed of potentially asbestos-containing materials. Building 20 ducts were located in the overhead above the plaster ceiling and had been tied into an active portion of newer ductwork. The three Building 25 ducts extended from three utility chases outside laboratory 126, and extended to the penthouse via the utility chases. Each duct was directed through a filter housing and fan prior to discharge via a stack on the roof (one duct supplied fan EF-8 and two ducts supplied fan EF-15 located in the fourth floor penthouse).

Pfizer established project release limits based on the release criteria for equipment and materials specified in FC 83-23, "Guidelines for the Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Byproduct, Source, or Special Nuclear Material Licenses."

Pre-job scoping surveys indicated elevated areas of fixed contamination in the Building 25 Penthouse. Non-invasive decontamination methods (wet wiping and scouring) were used to reduce the contamination levels. Remaining residual fixed contamination ranged up to a maximum of 194,146 dpm/100cm$^2$; however, no removable contamination above the MDC was present. This area was remediated during site decommissioning.

Work areas were isolated by erecting temporary containments on each impacted elevation. Ventilation fans were maintained in fast speed to assist in the removal of any potential loose contaminants. Personnel used low impact techniques to disassemble the duct work (impact drivers, low speed saws, etc.). All removed items were wiped, wrapped, sealed and packaged for disposal, then surveyed for contamination external to the wrapping prior to removal from containment. After completion of work in a specific containment area, the entire work area was surveyed for total and removable contamination.

Ducts originating from Building 25 Room 126 were removed sequentially from the first floor to the penthouse area to utilize flow from the existing exhaust fans. Containments were erected and all work areas were lined with plastic sheeting. After duct removal, each HEPA filter bank and associated fan were removed.

Contaminated ductwork was also removed from Building 25, Room 341. Room 341 was used to weigh radioactive compounds, and was never used for radio-synthesis operations as were the other rooms. The ducts were removed to the main plenum, where subsequent surveys indicated the ducts were free of residual radioactivity.

Ducts originating in the former Building 20 radiosynthesis laboratory fume hood (Room 21N), were disassembled from the fume hood above Room 21N and extending above room 19N to the main plenum (an active portion of newer ducting) to take advantage of flow from the existing exhaust fans. After removal of ducts, each end of the remaining sections was surveyed for both removable and total activity. Results indicated no residual radioactivity.

Additionally, radiological surveys were performed in the storage area, waste transfer routes and shipping container. No residual radioactivity was identified. All surveys were conducted using Ludlum 43-68 and 43-37 gas flow proportional detectors calibrated to NIST-traceable C-14 sources and operated to achieve MDCs less than the ALARA goals.

## 3.0 Current/Future Use

The site is currently in maintenance mode with skeleton crew staffing to maintain buildings and outside grounds in good repair. After release, the site will be offered for sale or lease.

## 4.0 Impacted Building Descriptions

The site consists of many buildings of varied historical usage. A site plan is provided in Appendix A. Impacted building floor plans are presented in Appendix B. The site was primarily designated as a Research and Development facility, along with pre-clinical testing and product development. The facility is separated into two campuses, divided by Huron Parkway. The campus to the west of Huron is referred to as the 2800 Site (2800 Plymouth Road). The 1600 Site (1600 Huron Parkway) is on the east side. The 2800 site's original buildings (10, 20, 40, 70, and 80) are approximately 48 years old. The site buildings have more than 2,000,000 $ft^2$ of floor area consisting of 33% laboratory, 28% office, 17% lab support, 14% production, and 8% amenities. Research and Development functions were Discovery, Drug Metabolism, Pharmaceutical Sciences, Drug Safety Evaluation, and Development. The original buildings were built between 1957 and 1959, and became operational in 1960. Additional buildings were added over the years to support changing research needs. Impacted buildings are presented in Table 4-1.

**Table 4-1 Impacted Buildings**

| Building | Description | Year Built | GSF ($ft^2$) | Footprint ($ft^2$) |
|---|---|---|---|---|
| 14 | Clinical Data Handling Building | 1986 | 41,232 | 19,256 |
| | Addition | 1998 | 440 | 440 |
| 20 | Laboratory Building | 1957 | 178,615 | 41,948 |
| 23 | Bio-Imaging Building (Cyclotron) | 2002[5] | 6,871 | 6,871 |
| 25 | Preclinical Laboratory Building | 1983 | 104,143 | 23,971 |
| 26 | Discovery & Pre-Clinical Building | 2003 | 190,314 | 58,312 |
| 28 | Chemistry Building | 1992 | 133,468 | 28,194 |
| 30 | Pathology & Toxicology Lab | 1965 | 34,625 | 16,192 |
| 35 | Toxicology Laboratory Building | 1984 | 96,225 | 30,154 |
| 36 | Toxicology Center | 2006 | 127,532 | 48,054 |
| 60 | Chemotherapy Pilot Plant & Lab | 1981 | 22,344 | 10,655 |
| 73 | Parking Deck, Phase 1 | 1991 | 143,722 | 47,910 |
| 90 | Material Handling Center | 1999 | 29,367 | 28,450 |
| 520 | Laboratory/Office Building | 2002 | 151,560 | 37,890 |
| 550 | Technical Development Facility | 2003 | 294,086 | 91,805 |

Each impacted building is described below. Descriptions of the ventilation systems are included because ventilation systems are unique to each building and are not shared. To

[5] Building 23 was built in 2002. The Bioimaging Facility was built in 2005 and commissioned in 2006.

eliminate repetitiveness, the drain and vacuum systems for all buildings are described separately after the building descriptions.

## 4.1 Building 14

Building 14 was originally built in 1986 as a three-story administration building to supplement Building 10. The ground floor primarily houses the data handling center for most of the 2800 site and also serves as administrative offices. The first floor contains two radioactive materials laboratories and thirteen other laboratory areas which were surveyed during routine monthly and random quarterly contamination surveys. Above the first floor, there are two penthouses. The original penthouse houses AHU-1 and AHU-2, which originally served the ground floor and first floor respectively. The new penthouse, constructed in 1998, houses AHU-3 and AHU-4, which were added to handle low humidity requirements and 100% outdoor air requirements respectively. AHU-1 and AHU-2 and their associated return fans RF-1 and RF-2 are variable volume recirculation, semi-custom units. Both units are equipped with outdoor air, return air and relief air dampers for economizer control. VAV boxes with reheat coils distribute air to the various temperature control zones on the ground and first floors. EF-1 serves the toilets. AHU-3 is 100% outside air custom Cargoaire desiccant dehumidifier and supplies the UHTSS suite and associated tissue culture laboratories. AHU-4 is a 100% outside air supplying laboratory spaces and associated offices. Exhaust air from the UHTSS is drawn to a hard balanced dual exhaust fan system (EF-1 and EF-2) located in the new penthouse, which also exhausts the AHU-4 laboratory areas. EF-12 serves the ground floor mechanical room. EF-179 serves Room 179.

## 4.2 Building 20

Building 20 was one of the original buildings built in 1957 and is primarily used for laboratory applications. The building is five stories (ground, 1, 2, 3 and penthouse) and is divided into two distinct wings (east and west). The first, second and third floors have similar layouts and contain radioactive materials laboratories in both wings of all three floors. The west wing was completely renovated in 2005 to construct large, open and modular lab spaces with a perimeter corridor and a core mechanical room on each floor. The east wings contain a large open radioactive materials laboratory on the south end, encompassing most of the area, with small modular office spaces on the north end separated by a small corridor. Amendment 2 in 1960 authorized incineration of materials containing C-14 and H-3 in an incinerator located on the ground floor, in the dirty side of the cagewash, just north of the service elevator in the middle of the building. In the early 1980's, the incinerator and the exhaust ventilation were completely removed to the roof and disposed. Extensive surveys of this area were performed during characterization with no elevated activity detected. The ground floor contains the previous radiation safety laboratory, count room and waste storage areas. Interviews with site personnel including the former RSO revealed that a spill incident involving tritium had occurred in radioactive laboratory 21N in the late 1970's or early 1980's (definitely prior to 1983), resulting in the area being evacuated for 30 days. There are no records of any surveys performed in the area after the incident. Scoping surveys of the area including the fume

hood, floor, drain area, and walls indicate removable beta contamination up to 96 dpm/100cm$^2$ C-14 and 27 dpm/100 cm$^2$ H-3. Fume hood ventilation ducts were removed to the main plenum in 2007. The first floor contains radioactive materials laboratories in both the east and west wings. There are seven mechanical rooms in the building. Two mechanical rooms are located in the west wing. The ground floor west mechanical room houses the west wing ground floor supply air systems (AHU-1, 4 and 5). AHU-24 is an air handling unit with a service corridor which was installed outside in a courtyard and has been modified to supplement AHU-1 in Building 60 and no longer serves Building 20. The other west wing mechanical room is the west wing penthouse, which houses AHU-2 and 3 and serves 1st, 2nd, and 3rd floor labs and offices. AHU-2 and 3 combine in a common header and each are provided with dual fans. The penthouse also houses a return fan that returns air from the 1st, 2nd and 3rd floor offices to the AHU-2 and AHU-3 outside air plenum. Also in west PH are west wing toilet, glass wash, cage wash and ground floor general exhaust fans. On the south roof, there are eight high-plume exhaust fans that exhaust the 1st, 2nd and 3rd floor labs.

There are five mechanical rooms in the east wing. The ground floor east mechanical room houses many of the east supply air systems (AHU-7, 8, 9, and 17) and part of AHU-11. The first floor east mechanical room houses the remainder of AHU-11 and AHU-13. The 2nd floor east mechanical room houses AHU-15 and 19. The 3rd floor mechanical room houses AHU-20 and AHU 21. The east wing penthouse (which previously contained several dozen exhaust fans similar to the west wing) houses EF-1 and EF-2 as well as a few other east wing exhaust fans. These fans, installed in 1995, collect most of the exhaust for the east wing. The 2005 west wing renovation included a complete demolition of the 50 year old systems, distribution and controls. New industrial AHUs and exhaust fans with pressure independent Phoenix valves and laboratory control systems were provided. All units in the east wing are 100% outside air except AHU-13 (1st floor east wing perimeter corridors), 19 (2nd floor east wing perimeter corridor), 20 (3rd floor east wing perimeter corridor) which are recirculation units with return fans. In 1995, the east wing was renovated and equipped with a pressure independent system. All branch ductwork and room terminals were replaced in the east wing labs. The existing main ductwork, reheat coils and AHUs were upgraded with new controls and reused. These main headers were internally surveyed during decommissioning.

## 4.3 Building 23

Building 23 was constructed in 2002. The Bioimaging Suite was built in 2005 and commissioned in mid-2006. A CTI (Siemens) RDS-111 cyclotron was installed to produce Positron Emission Tomography (PET) isotopes for non-human research. The cyclotron had limited use (~30 hrs of run time) and was removed in December 2007 and shipped to a Siemens facility in Knoxville, TN for storage pending installation at another Pfizer facility. A monitored delay line exhaust ventilation duct from under the cyclotron exhausts through Building 26 via two fans located in the Building 26 penthouse.

## 4.4 Building 25

Building 25 was built in 1983 primarily as a biological research laboratory building. Vivarium rooms are located in the northeast corner of the ground floor and in the southwest corner of the 1st, 2nd and 3rd floors. The remaining areas of the 1st, 2nd, and 3rd floors contain two corridors which separate laboratories on either side and in the center. The ground floor contains two large mechanical rooms with two AHU's, a cage wash area and vivarium areas. Above the 3rd floor is a mechanical penthouse housing building exhaust fans. The room level of the exhaust systems is hard balanced. In general, Building 25 is at a negative pressure with respect to adjacent buildings. EF-8 and EF-15 fans, which supplied the radiosynthesis laboratory (Room 126) on the first floor, were removed along with all associated ducts, stacks, and associated system components in 2007. Supply units AHU-1 and AHU-2 on the ground floor serve the southern and northern areas respectively, except ground floor which is served by AHU-1 exclusively. All vivarium areas are supplied by AHU-1. There are five major exhaust systems. Each exhaust system has a heat recovery coil and bypass damper which introduces outside air to maintain a constant exhaust duct pressure while maintaining a constant exhaust stack velocity. EF-1 and EF-2 are cross-connected and EF-3, EF-4, and EF-5 are cross-connected via manual dampers.

## 4.5 Building 26

Building 26, constructed in 2003, is a five-story building (ground, 1, 2, 3 and penthouse). The ground floor is primarily vivarium space with some laboratory and mechanical room space. The 1st floor houses labs and offices. There were no radioactive materials ever used, stored or transported through these areas, so they are classified as nonimpacted. The 2nd floor was divided into three sections - a vivarium area in the middle (no radioactive materials were used in the vivarium) surrounded by radioactive materials laboratories on either end. The 3rd floor has a similar layout as the 2nd floor with the exception that radioactive materials were used in the vivarium. Exhaust fans are located in the mechanical penthouse. Each fan has an individual isolation damper and exhaust stack. Both exhaust systems have a bypass damper that introduces outside air to maintain a constant exhaust duct pressure while maintaining a constant stack velocity. The southwest corner of the penthouse contains the exhaust ventilation for the Building 23 Bioimaging Suite, along with two exhaust fans serving the cyclotron. There are seven AHU's and several exhaust fans. AHU 1, 2, 3 and 4 are combined in a common header and serve laboratory and office spaces throughout the building. Each AHU uses 100% outside air. Exhaust fans EF-3-1, 3-2 and 3-3 are combined together in a common manifold and serve the west side laboratories and offices on the 1st, 2nd, and 3rd floors. EF-1-1, 1-2 and 1-3 are combined together in a common manifold and serve east side laboratories and offices on the 1st, 2nd, 3rd, and ground floors. AHU's 5, 6, and 7 are combined in a common header and serve vivarium spaces throughout the building. EF 5-1, 5-2 and 5-3 are combined together in a common manifold and exhaust the vivarium spaces.

## 4.6 Building 28

Building 28, built in 1992, is a five story building that houses chemistry laboratories. The ground, 1st, 2nd, and 3rd floors consist of several large modular laboratories and associated offices. The ground floor contains laboratories G001E and G097E, in which radioactive materials were used. There are no other areas in the building where radioactive materials were used or stored. Above the 3rd floor is a mechanical penthouse that houses most of the building AHU's and EF's. There are seven major supply air systems: AHU-1, 2, 3, 4, 5, and 6 located in the penthouse that serve NE, SE, SW, NW, North Core and South Core labs respectively on all floors. AHU-7 serves the connector lobby between Buildings 28, 30 and 35 and is located in a small penthouse enclosure on the roof of the lobby. AHU-1, 2, 3, 4, 5, 6 are cross-connected respectively on each floor. Each lab and its associated offices are supplied with two-position constant volume terminal boxes with reheat coils for airflow and temperature control. Office suites are supplied with parallel fan-powered variable air volume boxes with reheat coils. Five exhaust systems are all located in the penthouse. System A-EF-1, 2, and 3 are connected to a common exhaust plenum which exhausts all fume hoods, point exhausts and general exhaust grilles on the north side of the building. System B-EF-4, 5, 6 connect to a common exhaust plenum which exhausts all fume hoods, point exhausts and general exhaust grilles on the south side of the building. System C-EF-7 and 8 are connected to a common exhaust plenum that exhausts all fume hoods, point exhausts and general exhaust grilles in the core of the building. EF-9 exhausts all toilets and EF-10 and 11 exhaust the penthouse.

## 4.7 Building 30

Building 30, built in 1965, is a two story building. The ground floor is primarily vivarium rooms for short and long term toxicology studies. The first floor consists primarily of toxicology labs and, according to historical records, radioactive materials were only used in laboratory 137C. There are three air supply systems. The original systems AHU-1 and 2 in the first floor mechanical room provide 100% outside air. In 1985, AHU-3 was added to supply four isolation rooms and their vestibules on the west side of the building. There are four general exhaust fans that serve the ground floor vivarium rooms. These fans were replaced in 2005 with high-plume fans. In addition, there are four general exhaust fans and several hood exhaust fans that serve the first floor laboratory rooms. Most fans are original from 1965 and are located on the roof in four screened enclosures. Laboratory general exhaust fans are roof mounted. Hood exhaust fans discharge four feet above the top of the enclosure via discharge ducting. In 1985, two additional exhaust fans were added to ventilate vivarium corridors and to make corridors negative pressure relative to adjacent animal rooms. These fans have since been abandoned and the pressurization was corrected so that animal rooms are negative to corridors.

## 4.8 Building 35

Building 35 is a four story building built in 1984. The basement and ground floors are primarily vivarium rooms for short and long term toxicity studies, and according to

historical records and personnel interviews, the only area in which radioactive materials were used was on the ground floor laboratory 0-55. The first floor consists primarily of toxicology labs and offices. Radioactive materials were received in office 170, and used in labs 150-166 in the center of the building. Above the first floor is a mechanical penthouse that contains most of the building mechanical equipment. There are four AHU's: AC-1, 2, 3 and 4. AC-1 recirculates and serves office and lab areas on the first floor. AC-2 and 3 are 100% outside air serving animal spaces on the ground floor and basement levels respectively. AC-4 is a recirculation rooftop unit located above the Building 30/35 connector. AC-1, 2, and 3 are equipped with a heat recovery coil which extracts heat from the exhaust air stream and are located in the mechanical penthouse. AC-2 and 3 were replaced in 2002 and 2004 with pharmaceutical grade custom air handling units. There are 11 exhaust systems. EF-1 exhausts laboratory rooms on first floor and has a heat recovery coil, rough filter and a bypass to maintain constant stack velocity. EF-2, 3, and 8 are connected to a central exhaust system for the basement and ground floor vivaria. EF-2 and 3 have heat recovery coils and a rough filter. EF-4, 5 and 6 serve autopsy rooms on the 1st floor core. EF-7 serves cage wash in the basement. EF-8 serves several balance hoods in the ground floor drug dispensing area. EF-9A and 9B provide exhaust for the isoflurane system. A dust collection system (AHU-6) exhausts air from the ground floor weigh booths.

## 4.9 Building 36

Building 36, a three story building, was constructed and commissioned in 2006 as a Toxicology Center. The ground floor is primarily vivarium space, and the first floor houses laboratory and office spaces. Building 36 is attached to the south side of Building 35 and shares the first and ground floor. According to historical records and personnel interviews, the only area in which radioactive materials were used was the Radio-Immuno Assay (RIA) Laboratory 1325. This laboratory was specifically constructed for performing radioactive materials activities. The Building 36 penthouse is separate from the Building 35 penthouse. There are five AHU's: AHU-1, 2 and 3 in the penthouse are combined into a common header and serve the ground floor vivarium with 100% outside air. The ground floor vivarium is exhausted by exhaust fans EF-1, 2, and 3 that are located in the penthouse and combined into a common manifold. Each fan has individual isolation dampers and exhaust stacks, and has a bypass damper to introduce outside air to maintain a constant exhaust duct pressure while maintaining a constant stack velocity. AHU-4 and 5, located in the penthouse are combined into a common manifold and serve 1st floor labs and offices as well as two rooms in the penthouse. The first floor has two major exhaust/return air systems. EF-8 and EF-9 exhaust the laboratories. Each fan has individual isolation dampers and stacks. Offices have an open plenum return air system served by fans RF-1 and RF-2. There are two small AHU's in the penthouse. AC-1 and 2 serve the penthouse electrical room and UPS room. There are six rooftop mounted fans above the penthouse. EF-12, 12A, 13, 3A, 14 and 14A provide 100% outside air to ventilate the penthouse. EF-7 exhausts the radioisotope hood and is located in the penthouse. EF-4 serves the cage wash and rack wash rooms. EF-6 serves the loading dock.

## 4.10 Building 60

Building 60 is a three story building which has been in operation since 1981. The ground floor houses laboratories and some vivarium rooms. Radioactive materials were used in laboratories 046 and 028. Room 018 contained an X-ray irradiator that was routinely surveyed by the Radiation Safety Group. The first floor consists primarily of laboratories and offices, separated by a small corridor through the center of the building. Historical records show that most of the laboratories on this floor used and/or stored radioactive materials. Above the first floor is a partial mechanical penthouse which contains most of the buildings mechanical equipment. There are four supply systems which serve the building. AHU-1 and AHU-2 supply the ground and first floor labs and the vivaria with 100% outside air. AHU-3 supplies 100% outside air to the BL3 laboratory on the first floor, and AHU-4 supplies 100% outside air to the autoclave on the ground floor. AHU-24 which previously served Building 20 west has been provided with new ductwork to serve the ground floor at a later time. The supply unit terminals have HEPA filters installed. Systems are hard balanced with reheat coils. There are fourteen exhaust fans that serve building 60 which are located in the penthouse or on the roof. EF-1 and EF-2 are tubular centrifugal in-line fans that were originally associated with AHU-1 and AHU-2 respectively and served the entire building. EF-3A and EF-3B were added to exhaust the BL3 suite and are redundant fans. EF-3 and EF-4 serve animal holding room 054 on the ground floor. EF-4-1 exhausts the autoclave area and was installed in 2001. EF-5, 6, 7, 8 and 11 exhaust fume hoods and biosafety cabinets on the ground and first floor. EF-12 and EF-14 serve the penthouse. All exhaust systems are hard balanced.

## 4.11 Building 73

The Radioactive Waste Storage Room is located in the northeast corner of the ground floor of Building 73 (Parking Structure). This storage area was approved by the NRC in July 1991 as part of license amendment 43. Radioactive waste storage commenced immediately thereafter, and since July 1991, the parking deck had continuously held waste with half lives of <90 days in sealed containers. Super-compacted long-lived waste, and long and short-lived waste awaiting disposal were also stored in the area. There are no historical surveys of the area. However, there are well documented surveys of the containers which verify that no containers transferred to or stored in Building 73 had removable radioactive contamination.

## 4.12 Building 90

Building 90 was built in 1999 to serve the 2800 site Material Handling Facility. All materials, including radioactive materials, which were received or shipped from the 2800 site, went through this building. The building is comprised of two large loading dock/warehouse areas as well as storage (including freezer and refrigerator storage for radioactive materials), security, shipping and receiving offices. Because only DOT-packaged materials were possessed in Building 90 and there is no history of spills, mechanical systems in the penthouse are classified as nonimpacted.

## 4.13 Building 520

Building 520, constructed and commissioned in 2002, is a Laboratory/Office Building housing general laboratories and some administrative offices. The four story building is divided into an "L" laboratory section and an "O" office section. The ground, first, second and third floors consist of several different laboratory suites and administrative areas. The ground floor contained a radioactive materials laboratory G399. No other areas possessed radioactive materials according to historical records and personnel interviews. Packaged radioactive materials were transported to/from the Building 550 loading dock via the ground floor hallway. Because radioactive materials were only used in one room of this building and the operational history is very well known, mechanical systems in the penthouse were classified as nonimpacted.

## 4.14 Building 550

Building 550 was constructed and commissioned in 2003 as a Technical Development Facility (TDF) housing pharmaceutical development functions. Building 550 is a three story building consisting of several different manufacturing and process suites in the ground and first floor, a mechanical room and storage on the second, and a mechanical penthouse on the third floor. The only impacted area of this building is the center hallway that was used as a transport path for packaged radioactive materials between building 520 Laboratory G399 and the Building 550 loading dock. Because only packaged materials passed through and the operational history is very well known, mechanical systems in the penthouse were classified as nonimpacted.

## 4.15 Vacuum Systems

The site vacuum systems are divided into four separate units, serving four separate functions. The first two systems are the "Ultrahigh Vac" System and the "High Vac" System which were used to provide deep vacuums for drying ovens and toxicology systems. These systems were never used for any activities involving radioactive materials, but were surveyed as part of the decommissioning effort. The pumps and tanks for these systems are located in the Building 28 penthouse.

The "Lab Vac" vacuum system provided vacuum for all laboratory activities, some of which involved radioactive materials. These systems have been renovated in the last few years, and the new system is now cross-connected with the old systems. The system has pumps in the penthouses of Buildings 35, 36 and 28; and in the ground floor mechanical rooms in Buildings 20 and 26. All pumps have the ability to be cross-connected and supply the vacuum for Buildings 20, 25, 26, 28, 30 and 60. The accumulators are located in the penthouses of Buildings 26 and 28, and in the basement of Building 20. The Building 26 section is the newest system and is cross-connected to supply all laboratory vacuum services on the site.

The Aspirator vacuum system provided vacuum via a high pressure water jet system for the radio-synthesis laboratory area and most of Building 25. This system used water to create a vacuum through a venturi system. The water was then disposed via the

radioactive drains for the radio-synthesis laboratory. The pump and tank for this system are located in the Building 28 penthouse. Based on interviews with the Radiation Safety Group and the facilities Powerhouse personnel who control and maintain the system, there has never been any reason to suspect that there was ever a flow reversal that could have drawn radioactive materials back into the venturi system.

## 4.16 Drain Systems

Drains are segregated between the individual buildings on the 2800 side of the campus, with all of the drains combining in the city's main sanitary line that runs along the west side of the buildings, then east around the south side of the site before continuing off site at Huron Parkway. Each building's drain system drains to the ceiling of the ground floor through chases on the east and west ends of the buildings. After combining in the ceiling of the ground floor, drains exit the buildings at the following locations:

- Building 20, 30 and 60 combine into a common header after exiting through the west sides of the associated building, and then into the city's main line on the west side of the property.
- Building 25 has a separate drain systems for the radiosynthesis laboratories. The radiosynthesis lab drain system exits the building in the northern ground floor mechanical room. Downstream access is available at a man hole in the company's store in Building 18, under the carpet, and about 10 feet north of the vertical drop at the cleanout.
- Building 26 exits through the northeast end of the building, and runs along the east side of the building and into the city's main sanitary line at the south end of the property.
- Building 28 exits through the east and south sides and into the city's main sanitary line at the south end of the property.
- Buildings 35 and 36 exit on the west sides of the associated building and into the city's main sanitary line on the west side of the property.
- Building 520 and 550 had no drain disposal.

Man holes are provided for entry to the city's main sanitary line at 15 locations on the west end of the property, and 4 locations on the south end of the property. There are also 35 man hole locations for entry into the facilities sanitary lines where they exit the building.

Sewer disposal of licensed material was performed via laboratory sinks per license authorization and within regulatory limits. Historically, surveys and samples of the buildings drain systems obtained at the clean outs, located at the ceiling level in the mechanical space of the ground floor of each respective building, have not indicated levels of elevated radioactivity (except for the Building 25 synthesis laboratory drain system). Laboratory sinks were surveyed as part of the monthly and quarterly routine surveys.

## 5.0 Facility Release Criteria

Facility release criteria for unrestricted use are that of NRC 10CFR20 Subpart E. Specifically, the facility was surveyed in accordance with the guidance contained in MARSSIM to demonstrate compliance with the criteria of 10CFR20.1402, "Radiological Criteria for Unrestricted Use." The criteria is that residual radioactivity results in a TEDE to an average member of the critical group that does not exceed 25 mrem per year, and that the residual radioactivity has been reduced to levels that are as low as reasonably achievable (ALARA).

## 6.0 Nuclides of Concern

After considering results of the HSA and scoping surveys, quantities and locations of nuclides, and the impact of radioactive decay, the nuclides of concern are C-14 and H-3.

## 7.0 Derived Concentration Guideline Levels

The NRC has published default screening values in NUREG 1757 for commonly used radionuclides. The isotopes of concern screening values for surfaces under default conditions (generic screening levels) from NUREG 1757, Volume 1, Appendix B are provided in Table 7-1.

**Table 7-1 Default Screening Values for Nuclides of Concern**

| Isotope | Half-life | Radiation Type | Default Screening Value ($dpm/100cm^2$) |
|---|---|---|---|
| H-3 | 12.3 years | Beta | 1.2E8 |
| C-14 | 5730 years | Beta | 3.7E6 |

The default screening values (DSV) are the basis for developing the derived concentration guideline levels (DCGL's) for the project. The DCGL is the radionuclide specific surface activity concentration that could result in a dose equal to the release criterion. $DCGL_W$ is the concentration limit if the residual activity is essentially evenly distributed over a large area. For this project, $DCGL_W$ is equal to the DSV. In the case of non-uniform contamination, MARSSIM allows for evaluation of higher levels of activity over small areas using the $DCGL_{EMC}$. Due to the radiological cleanliness of the facility and Pfizer's conservative ALARA goal, small areas of elevated activity above the $DCGL_W$ are not considered. Additionally, due to Pfizer's conservative ALARA goal, application of the unity rule for multiple radionuclides is not required to demonstrate compliance with the release criteria. An important assumption of the dose model is that removable contamination is <10% of total contamination. Historical survey results as well as characterization, final status and QA survey results confirm that removable contamination levels are very low and meet this assumption. H-3 cannot be accurately detected directly by field instrumentation due to its low energy. Therefore, H-3 contamination was evaluated by removable contamination measurements only.

## 8.0 ALARA Goals

Pfizer has established conservative ALARA goals based on the release criteria for equipment and materials specified in FC 83-23, "Guidelines for the Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Byproduct, Source, or Special Nuclear Material Licenses." Specifically, the following surface contamination limits were used for decommissioning activities:

- 5,000 dpm/100cm$^2$ total surface contamination (averaged over 1m$^2$)
- 15,000 dpm/100cm$^2$ maximum total surface contamination (limited to 100 cm$^2$)
- 1,000 dpm/100cm$^2$ removable surface contamination (operationally, the investigation level was set at 100 gross cpm for each liquid scintillation counting channel)
- 37,000 dpm/100cm$^2$ removable surface contamination on interior surfaces of drain lines (the 1,000 dpm/100cm$^2$ goal was relaxed due to fairly extensive low level residual activity in drain lines)

Because of the conservatism of the ALARA goals, these criteria were applied to gross beta measurements and the unity rule was not applied. The number of measurements required by MARSSIM to demonstrate compliance with the release criteria was calculated using the $DCGL_W$ and not the ALARA goal.

## 9.0 ALARA Analysis

Due to the extremely low doses associated with residual radioactivity at the facility, a quantitative ALARA analysis was not required. Default screening values were used to establish DCGLs. Furthermore, Pfizer routinely maintained all laboratory areas of the facility at levels less than 200 dpm/100cm$^2$ removable activity.

NUREG 1757, Volume 2, Appendix N states in part: "For ALARA during decommissioning, all licensees should use typical good-practice efforts such as floor and wall washing, removal of readily removable radioactivity in buildings or in soil areas, and other good housekeeping practices. In addition, licensees should provide a description in the FSSR [final status survey report] of how these practices were employed to achieve the final activity levels. In light of the conservatism in the building surface and surface soil generic screening levels developed by NRC, NRC staff presumes, absent information to the contrary, that licensee who remediate building surfaces or soil to the generic screening levels do not need to provide analyses to demonstrate that these screening levels are ALARA. In addition, if residual radioactivity cannot be detected, it may be assumed that it has been reduced to levels that are ALARA. Therefore, the licensee may not need to conduct an explicit analysis to meet the ALARA requirement."

## 10.0 Project Management and Organization

Due to the radiological cleanliness of the facility and the relative simplicity of the final status survey design, a complex management organization was not required.

Decommissioning operations were conducted under the same Pfizer management structure as current licensed activities. Chase Environmental Group, Inc. (Chase), a licensed D&D services provider, was contracted to perform all decommissioning activities. Chase conducted activities under the direction of the Pfizer Radiation Safety Officer. A Pfizer Project Manager was assigned to coordinate activities between Chase and Pfizer management. Additional Pfizer oversight was provided in the areas of Industrial Safety and Industrial Hygiene. Decommissioning tasks were performed according to written plans and procedures approved by Pfizer management to ensure they provided adequate worker protection and complied with the facility radioactive materials license.

## 11.0 Training

Pfizer provided all contractors with radiation worker training required by the facility radioactive materials license. Additionally, Pfizer provide Asbestos Awareness training. Chase provided training for D&D-specific programs, plans and procedures. Individuals performing D&D tasks were trained on all project procedures and plans.

## 12.0 Radiation Safety and Health Program

Radiological work was performed according to the Pfizer radioactive materials license Radiation Safety Program under the management and supervision of the facility Radiation Safety Officer.

## 13.0 Environmental Monitoring Program

Due to the simplicity of this project, a project-specific environmental monitoring program was not required.

## 14.0 Radioactive Waste Management

All radioactive waste generated during decommissioning was packaged in DOT-approved shipping containers for shipment to licensed facilities for processing and disposal. All wastes were stored in approved storage areas at the facility until shipment off-site. Radioactive wastes were subdivided into categories based on types of material and processing methods. Radioactive subdivisions included metals, DAW/Combustible, asbestos, and mixed wastes. All radioactive wastes were transported via DOT-approved carriers and manifested by qualified waste shippers and/or brokers to licensed waste processors and disposal sites as appropriate.

## 15.0 Quality Assurance Program

Chase operated under a project-specific Quality Assurance Project Plan (QAPP) utilizing the guidelines of MARSSIM Section 9. The QAPP was developed and organized with emphasis given to maximizing worker safety, minimizing/eliminating off-site releases and minimizing overall project costs.

# 16.0 Survey Instrumentation

## 16.1 Instrument Calibration

Laboratory and portable field instruments were calibrated within the previous year with National Institute of Standards and Technology (NIST) traceable sources of the nuclides of concern. Portable instrument calibration records are included as Appendix C. Liquid scintillation counter records are maintained in Pfizer license files.

## 16.2 Functional Checks

Functional checks were performed at least daily when in use. The background, source check, and field measurement count times for radiation detection instrumentation were specified by procedure to ensure measurements were statistically valid. Background readings were taken as part of the daily instrument check and compared with the acceptance range for instrument and site conditions.

In cases where an instrument failed a functional check, all data obtained with the instrument since the last satisfactory check was evaluated for usability by the Project Manager and unusable data rejected.

## 16.3 Determination of Counting Times and Minimum Detectable Concentrations

Minimum counting times for background determinations and measurement of total and removable contamination were chosen to provide a minimum detectable concentration (MDC) that met the DQOs. MARSSIM equations relative to building surfaces have been modified to convert to units of dpm/100cm$^2$. Count times and scanning rates are determined using the following equations:

### 16.3.1 Static Counting

Static counting Minimum Detectable Concentration at a 95% confidence level is calculated using the following equation, which is an expansion of NUREG 1507, "Minimum Detectable Concentrations with Typical Radiation Survey Instruments for Various Contaminants and Field Conditions", Table 3.1 (Strom & Stansbury, 1992):

**Equation 1**

$$MDC_{static} = \frac{3 + 3.29\sqrt{B_r \cdot t_s \cdot (1 + \frac{t_s}{t_b})}}{t_s \cdot E_{tot} \cdot \frac{A}{100cm^2}}$$

Where:

$MDC_{static}$ = minimum detectable concentration (dpm/100cm$^2$)
$B_r$ = background count rate (counts per minute)
$t_b$ = background count time (minutes)
$t_s$ = sample count time (minutes)
$E_{tot}$ = total detector efficiency for radionuclide emission of interest (cpm/dpm)
$A$ = detector probe area (cm$^2$)

A typical static MDC calculation for the Ludlum Model 43-68 gas flow proportional detector is shown below:

$$MDC_{STATIC} = \frac{3 + 3.29\sqrt{(500)(1)\left(1+\frac{1}{1}\right)}}{(1)(0.13)\frac{126}{100}} = 653\,\text{dpm/100cm}^2$$

### 16.3.2 Ratemeter Scanning

Scanning Minimum Detectable Concentration at a 95% confidence level is calculated using the following equation, which is a combination of MARSSIM equations 6-8, 6-9, and 6-10:

**Equation 2**

$$MDC_{scan} = \frac{d'\sqrt{b_i}\left(\frac{60}{i}\right)}{\sqrt{p}\cdot E_{tot}\cdot\frac{A}{100cm^2}}$$

Where:

$MDC_{scan}$ = minimum detectable concentration (dpm/100 cm$^2$)
$d'$ = desired performance variable (1.38)
$b_i$ = background counts during the residence interval (counts)
$i$ = residence interval (seconds)
$p$ = surveyor efficiency (0.5)
$E_{tot}$ = total detector efficiency for radionuclide emission of interest (cpm/dpm)
$A$ = detector probe area (cm$^2$)

A typical $MDC_{SCAN}$ calculation for the Ludlum 43-37 gas flow proportional detector is shown below:

$$i = 13.3\,\text{cm}\cdot\frac{\text{inch}}{2.54\,\text{cm}}\cdot\frac{\text{sec}}{80\,\text{inch}}\cdot = 0.065\,\text{sec}$$

$$b_i = 0.065\,\text{sec} \cdot \frac{1000\,\text{counts}}{\text{minute}} \cdot \frac{\text{minute}}{60\,\text{sec}} = 1.08\,\text{counts}$$

$$MDC_{SCAN} = \frac{1.38\sqrt{1.08}\left(\frac{60}{0.065}\right)}{\left(\sqrt{0.5}\right)(0.13)\left(\frac{582}{100}\right)} = 2474\,\text{dpm}/100\text{cm}^2$$

### 16.3.3 Smear Counting

Smear counting Minimum Detectable Concentration at a 95% confidence level is calculated using the following equation, which is NUREG 1507, "Minimum Detectable Concentrations with Typical Radiation Survey Instruments for Various Contaminants and Field Conditions", Table 3.1 (Strom & Stansbury, 1992):

**Equation 3**

$$MDC_{smear} = \frac{3 + 3.29\sqrt{B_r \cdot t_s \cdot (1 + \frac{t_s}{t_b})}}{t_s \cdot E}$$

Where:

$MDC_{smear}$ = minimum detectable concentration level (dpm/smear)
$B_r$ = background count rate (counts per minute)
$t_b$ = background count time (minutes)
$t_s$ = sample count time (minutes)
$E$ = instrument efficiency for radionuclide emission of interest (cpm/dpm)

Typical MDC calculations for H-3 and C-14 are shown below.

$$^{3}\text{H MDC}_{\text{SMEAR}} = \frac{3 + 3.29\sqrt{(12)(1)\left(1 + \frac{1}{1}\right)}}{(1)(0.40)} = 48\,\text{dpm}$$

$$^{14}\text{C MDC}_{\text{SMEAR}} = \frac{3 + 3.29\sqrt{(13)(1)\left(1 + \frac{1}{1}\right)}}{(1)(0.80)} = 25\ \text{dpm}$$

## 16.4 Instrumentation Specifications

The instrumentation used for facility decommissioning surveys is summarized in the following tables. Table 16-1 lists the standard features of each instrument such as probe size and efficiency. Table 16-2 lists the typical operational parameters such as scan rate, count time, and the associated Minimum Detectable Concentrations (MDC).

**Table 16-1 Instrumentation Specifications**

| Detector Model | Detector Type | Detector Area | Meter Model | Window Thickness | Typical 4π Efficiency |
|---|---|---|---|---|---|
| Ludlum 43-68 | Gas Flow Proportional | 126 $cm^2$ | Ludlum 2221 | 0.8 $mg/cm^2$ | 13 % (C-14) |
| Ludlum 43-37 Floor Monitor | Gas Flow Proportional | 582 $cm^2$ | Ludlum 2221 | 0.8 $mg/cm^2$ | 13 % (C-14) |
| Packard TriCarb | Liquid Scintillation | N/A | N/A | N/A | 40% (H-3)<br>80% (C-14) |

**Table 16-2 Typical Instrument Operating Parameters and Sensitivities**

| Measurement Type | Detector Model | Max. Scan Rate[6] | Count Time | Background (cpm) | MDC ($dpm/100cm^2$) |
|---|---|---|---|---|---|
| Surface Scans | Ludlum 43-68 | 20 in./sec. | N/A | 500 | 4,958 (C-14) |
| Surface Scans | Ludlum 43-37 | 80 in./sec. | N/A | 1000 | 2,474 (C-14) |
| Total Surface Activity | Ludlum 43-68 | N/A | 60 sec. | 500 (60 sec.) | 653 (C-14) |
| Removable Activity | Packard TriCarb | N/A | 60 sec. | 25 (H-3)<br>15 (C-14) | 50 (H-3)<br>15 (C-14) |

## 16.5 Efficiency Determination

The ALARA goals are conservatively based on FC 83-23 criteria in which activities are determined using 4π instrument efficiency. MARSSIM protocols for building structures use ISO-7503-1 methodology that takes into account the texture of the surface and the 2π detector efficiency. Under MARSSIM, the default surface efficiency for beta emitters

[6] Maximum scan rates were based on achieving MDC objectives. Actual scan rates were much slower.

with maximum energies less than 400 KeV is conservatively set at 0.25, resulting in a total efficiency of approximately one half of the $4\pi$ efficiency. To reconcile this incongruity and to aid in data management, the $4\pi$ calibration efficiency was used to determine field measurement activities. However the calculated dose to demonstrate compliance with the facility release criteria for each survey unit was doubled to correct for the ISO 7503-1 surface efficiency. This methodology was chosen because:

- Application of the ISO-7503-1 surface efficiency would significantly impact final status survey time and data quality while providing no credible benefit. The impact would be in the form of slower scanning speeds, longer counting times and magnification of the variability of the natural background radioactivity present in some building materials.
- Structures being surveyed are primarily sheet metal, plastic, glass, vinyl, sheetrock and finished concrete that have smooth surfaces similar to the electroplated calibration source used to determine the $4\pi$ instrument efficiency.
- The MARSSIM default surface efficiency is conservatively based on structural surfaces usually encountered in decommissioning projects such as scabbled concrete and not on the structural surfaces usually encountered in a pristine laboratory environment.
- FC 83-23 criteria are not dose-based resulting in extreme conservatism for low energy beta emitters. For example, Co-60 would result in a modeled dose of 17.6 mrem/yr at the FC 83-23 criterion of 5,000 dpm/100 $cm^2$ (this is equivalent to 2.6E6 dpm/100$cm^2$ C-14).
- The higher efficiencies apply only to the self-imposed ALARA goals that are orders of magnitude less than the DCGL. All final status dose results presented in this report are corrected to account for the ISO-7503-1 methodology.

## 17.0 Data Quality Objectives (DQO)

- Static measurements were taken to achieve an $MDC_{static}$ of less than the ALARA goal of 5,000 dpm/100$cm^2$.
- Scanning was conducted at a rate to achieve an $MDC_{scan}$ of less than 5,000 dpm/100$cm^2$.
- Removable contamination measurements were counted to achieve an $MDC_{smear}$ of less than 200 dpm/100$cm^2$.
- Individual measurements were made to a 95% confidence interval.
- Decision error probability rates were set at 0.05 for both $\alpha$ and $\beta$.
- The null hypothesis ($H_0$) and alternate null hypothesis ($H_A$) are that of NUREG 1505 scenario A:
  - $H_0$ is that the survey unit does not meet the release criteria
  - $H_A$ is that the survey unit meets the release criteria
- Quality assurance surveys were conducted at a rate of 5%.

- Characterization and remedial action support surveys were conducted under the same quality assurance criteria as final status surveys such that the data may be used as final status survey data to the maximum extent possible.

Instrument operating parameters and methodologies were established to meet the DQOs. Additionally, investigation levels were developed to verify the assumptions for classifying survey units. If these investigation levels were exceeded, an investigation was performed to verify the initial assumptions behind the classification and determine the appropriate resolution. The established investigation levels are summarized in Table 17-1.

**Table 17-1 Survey Investigation Levels**

| Survey Unit Classification | Flag Direct Measurement or Sample Result When: | Flag Scanning Measurement Result When: | Flag Removable Measurement Result When: |
|---|---|---|---|
| All | >5,000 dpm/100cm$^2$ | >5,000 dpm/100cm$^2$ | > 100 gross cpm/100cm$^2$ in any channel |

## 18.0 Area Classifications

Based on the results of the historical site assessment and previous survey results, facility areas were classified as impacted or non-impacted.

### 18.1 Non-Impacted Area

Non-impacted areas are areas without residual radioactivity from licensed activities and were not surveyed during final status surveys. The following areas were classified as non-impacted:

- Structural surfaces above a two meter height
- Building exterior surfaces (except selected roof surfaces)
- Surface and subsurface soils of outside grounds
- Internal surfaces of positive pressure systems (air, nitrogen, gas, etc.)

Based on historical operations, a potential existed for residual contamination from spills or tracking on surfaces less than two meters in height. Thorough surveys of building entrances/exits and ventilation exhausts were conducted during characterization to provide adequate assurance that any residual contamination was contained within the building structure. Additionally, all building exhausts were surveyed.

### 18.2 Impacted Areas

Impacted areas are those areas that have potential residual radioactivity from licensed activities. Impacted areas are subdivided into Class 1, Class 2 or Class 3 areas. Class 1 areas have the greatest potential for contamination and therefore receive the highest

degree of survey effort for the final status survey using a graded approach, followed by Class 2, and then by Class 3. Impacted sub-classifications are defined as follows:

### 18.2.1 Class 1 Area

Areas with the highest potential for contamination, and meet the following criteria: (1) impacted; (2) potential for delivering a dose above the release criterion; (3) potential for small areas of elevated activity; and (4) insufficient evidence to support classification as Class 2 or Class 3.

### 18.2.2 Class 2 Area

Areas that meet the following criteria: (1) impacted; (2) low potential for delivering a dose above the release criterion; and (3) little or no potential for small areas of elevated activity.

### 18.2.3 Class 3 Area

Areas that meet the following criteria: (1) impacted; (2) little or no potential for delivering a dose above the release criterion; and (3) little or no potential for small areas of elevated activity.

## 18.3 Survey Units

A survey unit is a geographical area of specified size and shape for which a separate decision is made whether or not that area meets the release criteria. A survey unit is normally a portion of a building or site that is surveyed, evaluated, and released as a single unit. For the purposes of this project, areas of similar construction and composition were grouped together as survey units and tested individually against the DCGLs and the null hypothesis to show compliance with the release criteria. Survey units were homogeneous in construction, contamination potential, and contamination distribution.

The number of discrete sampling locations needed to determine if a uniform level of residual radioactivity exists within a survey unit does not depend on the survey unit size. However, the sampling density should reflect the potential for small elevated areas of residual radioactivity. Survey units were sized according to the potential for small elevated areas of residual radioactivity. Recommended maximum survey unit sizes for building structures, based on floor area, is Class 1: up to 100 $m^2$, Class 2: 100 $m^2$ to 1000 $m^2$ and Class 3: no limit.

For consistency and convenience of data management, all impacted structural surfaces of the same classification within a building elevation were grouped as a single survey unit. There are several elevations in Building 20 where the surface area of Class 2 areas slightly exceeds the recommended maximum survey unit size. These elevations were not split, but the number of measurements required for the Sign Test was doubled to assure adequate sample density.

**Survey Unit Numbering Protocol**

Each survey unit was assigned a unique number consisting of the building number followed by a dash and a four digit identifier. The four digit identifier consists of one digit for the elevation, one digit for the classification and two digits as a numerical identifier. Elevation codes are: 1=1st Floor, 2=2nd Floor, 3=3rd Floor, G=Ground, B=Basement, P=Penthouse, R=Roof. The default numeric identifier is 01.

Example:
25-2301 is Building 25, second floor, class 3
25-P201 is Building 25, penthouse, class 2

Survey unit classifications and designations are listed in tabular format in Table 18-1 and Table 18-2. Two areas were upgraded from the initial classifications determined from the HSA. Laboratory rooms 25-176 and 520-399 contained residual radioactivity above the $DGCL_W$ and were upgraded to Class 1 areas. The classification of the remaining rooms in survey unit 25-1201 was retained because surveys demonstrated that residual radioactivity exceeding the $DCGL_W$ was confined to room 25-176. Survey unit designations are presented graphically on the building floor plans presented in Appendix B.

**Table 18-1 Building Structural Survey Units**

| Building | Elevation | Building Structural Surface Survey Units | | | | | |
|---|---|---|---|---|---|---|---|
| | | Class 1 | | Class 2 | | Class 3 | |
| | | Number | GSF | Number | GSF | Number | GSF |
| 14 | Ground | N/A | N/A | N/A | N/A | 14-G301 | 22,122 |
| | First | N/A | N/A | 14-1201 | 9,914 | 14-1301 | 10,331 |
| | Penthouse | N/A | N/A | N/A | N/A | 14-P301 | 20,028 |
| | Roof | N/A | N/A | N/A | N/A | 14-R301 | 20,245 |
| 20 | Ground | N/A | N/A | 20-G201 | 8,885 | 20-G301 | 31,256 |
| | First | N/A | N/A | 20-1201 | 22,146 | 20-1301 | 20,324 |
| | Second | N/A | N/A | 20-2201 | 25,142 | 20-2301 | 17,158 |
| | Third | N/A | N/A | 20-3201 | 21,881 | 20-3301 | 20,420 |
| | Penthouse | N/A | N/A | N/A | N/A | 20-P301 | 39,842 |
| | Roof | N/A | N/A | N/A | N/A | 20-R301 | 42,301 |
| 23 | Ground | N/A | N/A | 23-G201 | 5,645 | 23-G301 | 1,226 |
| 25 | Ground | N/A | N/A | 25-G201 | 11,124 | 25-G301 | 11,892 |
| | First | N/A | N/A | 25-1201 | 13,656 | 25-1301 | 10,571 |
| | Second | 25-1101 | 666 | 25-2201 | 17,003 | 25-2301 | 5,547 |
| | Third | N/A | N/A | 25-3201 | 14,736 | 25-3301 | 8,479 |
| | Penthouse | N/A | N/A | 25-P201 | 3,827 | 25-P301 | 19,997 |
| | Roof | N/A | N/A | N/A | N/A | 25-R301 | 23,824 |
| 26 | Second | N/A | N/A | 26-2201 | 13,154 | 26-2301 | 27,039 |
| | Third | N/A | N/A | 26-3201 | 13,482 | 26-3301 | 25,322 |

| Building | Elevation | Building Structural Surface Survey Units | | | | | |
|---|---|---|---|---|---|---|---|
| | | Class 1 | | Class 2 | | Class 3 | |
| | | Number | GSF | Number | GSF | Number | GSF |
| | Penthouse | N/A | N/A | 26-P201 | 870 | 26-P301 | 33,468 |
| | Roof | N/A | N/A | N/A | N/A | 26-R301 | 38,804 |
| 28 | Ground | N/A | N/A | 28-G201 | 3,194 | 28-G301 | 23,983 |
| | First | N/A | N/A | 28-1201 | 11,498 | 28-1301 | 13,448 |
| | Second | N/A | N/A | 28-2201 | 11,498 | 28-2301 | 14,419 |
| | Third | N/A | N/A | 28-3201 | 12,896 | 28-3301 | 12,709 |
| | Penthouse | N/A | N/A | N/A | N/A | 28-P301 | 25,774 |
| 30 | Ground | N/A | N/A | N/A | N/A | 30-G301 | 15,980 |
| | First | N/A | N/A | 30-1201 | 10,138 | 30-1301 | 5,911 |
| 35 | Ground | N/A | N/A | 35-G201 | 467 | 35-G301 | 29,138 |
| | Basement | N/A | N/A | N/A | N/A | 35-B301 | 24,305 |
| | First | N/A | N/A | 35-1201 | 5,840 | 35-1301 | 21,395 |
| | Penthouse | N/A | N/A | N/A | N/A | 35-P301 | 14,046 |
| 36 | First | N/A | N/A | 36-1201 | 17,172 | 36-1301 | 30,882 |
| | Penthouse | N/A | N/A | N/A | N/A | 36-P301 | 31,424 |
| 60 | Ground | N/A | N/A | 60-G201 | 902 | 60-G301 | 10,144 |
| | First | N/A | N/A | 60-1201 | 6,220 | 60-1301 | 4,566 |
| | Penthouse | N/A | N/A | N/A | N/A | 60-P301 | 11,064 |
| | Roof | N/A | N/A | N/A | N/A | 60-R301 | 11,064 |
| 73 | Ground | N/A | N/A | 73-G201 | 1,611 | N/A | N/A |
| 90 | Ground | N/A | N/A | 90-G201 | 17,165 | N/A | N/A |
| 520 | Ground | 520-1101 | 566 | N/A | N/A | 520-G301 | 27,274 |
| 550 | Ground | N/A | N/A | N/A | N/A | 550-G301 | 4,734 |

Building systems survey units were arranged by building and system type. There are three types of systems – ventilation, vacuum and drain. Each system survey unit encompasses all of a certain type within a particular building (i.e., all drains in Building 25 are grouped into survey unit 25-DR01 and all vacuum system components in Building 20 are grouped into survey unit 20-VA01). Some buildings did not contain all systems. The building system survey units are presented in Table 18-2.

**Table 18-2 Building Systems Survey Units**

| Building | Systems Survey Unit | | |
|---|---|---|---|
| | Drain | Vacuum | Ventilation |
| 14 | 14-DR01 | 14-VA01 | 14-VE01 |
| 20 | 20-DR01 | 20-VA01 | 20-VE01 |
| 23 | 23-DR01 | 23-VA01 | N/A |
| 25 | 25-DR01 | 25-VA01 | 25-VE01 |
| 26 | 26-DR01 | 26-VA01 | 26-VE01 |
| 28 | 28-DR01 | 28-VA01 | 28-VE01 |
| 30 | 30-DR01 | 30-VA01 | 30-VE01 |
| 35 | 35-DR01 | 35-VA01 | 35-VE01 |
| 36 | N/A | 36-VA01 | 36-VE01 |
| 60 | 60-DR01 | 60-VA01 | 60-VE01 |
| 73 | N/A | N/A | N/A |
| 90 | 90-DR01 | N/A | 90-VE01 |
| 520 | 520-DR01 | 520-VA01 | 520-VE01 |
| 550 | N/A | N/A | N/A |

## 19.0 Characterization Surveys

The survey protocol for building surfaces consisted of performing the scanning portion of the final status survey protocol, with judgmental smears and static measurements on the highest probability areas for residual radioactivity. Judgmental static measurements and smears were also taken on vertical surfaces as part of the Class 2 and Class 3 final status survey protocols described in section 21.3.5.

The purpose of scanning was to identify locations of elevated activity. The minimum scan percentages are presented in section 21.2. Scanning was performed by moving the probe over surfaces at a distance of approximately one centimeter and at a rate less than the maximum allowable scan rate necessary to achieve DQOs. Where elevated activity was identified, the surveyor stopped and re-scanned the suspect area at a slower rate to determine if the elevated activity was sustained. Where a sustained increase in the audible response was identified, a static measurement and smear were taken at the location of highest activity and the boundary of the elevated area was marked to aid in locating the area for remedial actions. Based on contamination potential, at least ten locations in each survey unit were judgmentally selected to perform a static measurement and removable contamination measurement.

The survey protocol for building system surveys consisted of performing removable contamination measurements of internal surfaces of ventilation, vacuum and drain systems. The percentage of systems surveyed was consistent with the final status survey protocols contained in this report.

Each survey unit was surveyed under an independent survey package that contained specific survey instructions. The survey packages contained, at a minimum:

- Survey Unit number (e.g., Building and Room Number, System Number, etc.)
- Percentage of surfaces requiring scan surveys
- Number of total and removable contamination measurements required
- Instrumentation to be used with static count times and scan rates
- Maps of the survey unit surfaces
- Any additional specific survey instruction

If the initial characterization survey results indicated that contamination was not present in excess of the ALARA goals, then data from the survey was used as part of the final status survey. For areas that were partially contaminated, the characterization survey data was used as part of the final status survey provided that 1) the data used was only from areas with contamination levels below the ALARA goals, and 2) decontamination work was controlled such that areas could not have become cross-contaminated.

# 20.0 Remediation

## 20.1 Remediation Activities

Remediation methods included simple decontamination (i.e. wet wiping with a mild detergent) and removal of contaminated material by dismantling systems and structures. Cutting consisted of the use of reciprocating saws, band saws, high leverage shears, electric snips, tin snips and/or ratcheting cable cutters. Concrete surfaces were remediated using electric scarifiers and scabblers with HEPA-filtered dust control equipment. HEPA-filtered vacuums were used to remove loose dry material from surfaces during remediation activities. Where it was likely that radioactive materials had migrated to inaccessible areas, such as under casework, dismantlement was performed as necessary to assess activity levels. All remediation activities were performed under a Radiation Work Permit (RWP), authorized by the Pfizer RSO and conducted to control the spread of contamination and to maintain personnel exposures ALARA. Remediation performed on structural surfaces and systems are summarized in Table 20-1 and Table 20-2.

**Table 20-1 Remediated Surfaces and Structures**

| Survey Unit | Location/ Size ($ft^2$) | Maximum Activity ($dpm/100cm^2$) | | Remediation Method | Post-Remediation Maximum Activity ($dpm/100cm^2$) | |
|---|---|---|---|---|---|---|
| | | Total | Removable (cpm) | | Total | Removable (cpm) |
| 14-1201 | Benchtop 0.25 | 120,853 | 465– $^3H$<br>963– $^{14}C$ | Wet Wiped | <MDC | 16– $^3H$<br>22– $^{14}C$ |
| 14-1201 | Benchtop 0.25 | 11,289 | 40– $^3H$<br>66– $^{14}C$ | Wet Wiped | <MDC | 19– $^3H$<br>16– $^{14}C$ |
| 20-G201 | Fumehood 3 | 6,876 | 21– $^3H$<br>19– $^{14}C$ | Removed | N/A | N/A |
| 20-G201 | Benchtop 2 | 10,905 | 19– $^3H$<br>17– $^{14}C$ | Removed | N/A | N/A |
| 20-G201 | Fumehood 3 | 9,785 | 13– $^3H$<br>19– $^{14}C$ | Removed | N/A | N/A |
| 20-1201 | Floor Tile 8 | 12,133 | 200– $^3H$<br>290– $^{14}C$ | Removed | N/A | N/A |
| 20-1201 | Biohood 2 | 10,347 | 27– $^3H$<br>31– $^{14}C$ | Wet Wiped | 107 | 21– $^3H$<br>20– $^{14}C$ |
| 20-2201 | Drawer 0.5 | 5,623 | 12– $^3H$<br>15– $^{14}C$ | Removed | N/A | N/A |
| 20-2201 | Drawer 1 | 7,730 | 22– $^3H$<br>22– $^{14}C$ | Removed | N/A | N/A |
| 20-2201 | Drawer 0.33 | 54,819 | 28– $^3H$<br>27– $^{14}C$ | Removed | N/A | N/A |
| 20-2201 | Floor Tile 18 | 18,006 | 20– $^3H$<br>23– $^{14}C$ | Removed | <MDC | 17– $^3H$<br>21– $^{14}C$ |
| 20-2201 | Fumehood Sink 0.25 | 11,078 | 19– $^3H$<br>29– $^{14}C$ | Removed | N/A | N/A |
| 20-2201 | Fumehood Sink 0.25 | 121,355 | 586– $^3H$<br>633– $^{14}C$ | Removed | N/A | N/A |
| 20-2201 | Handle and wall 0.5 | 60,125 | 36– $^3H$<br>29– $^{14}C$ | Removed | N/A | N/A |
| 20-2201 | Fumehood 1 | 24,268 | 893– $^3H$<br>2,070– $^{14}C$ | Removed | N/A | N/A |
| 20-2201 | Drawers 6 | 13,630 | 16– $^3H$<br>18– $^{14}C$ | Removed | N/A | N/A |
| 20-2201 | Drawer 0.5 | 11,000 | 95– $^3H$<br>242– $^{14}C$ | Removed | N/A | N/A |
| 20-2201 | Floor 60 | 10,134 | 1,066– $^3H$<br>748– $^{14}C$ | Scabbled | <MDC | 16– $^3H$<br>22– $^{14}C$ |
| 20-3201 | Floor 1 | 8,984 | 25– $^3H$<br>32- $^{14}C$ | Scabbled | <MDC | 14– $^3H$<br>22– $^{14}C$ |
| 20-3201 | Floor | 11,595 | 40– $^3H$ | Scabbled | <MDC | 30– $^3H$ |

| Survey Unit | Location/ Size ($ft^2$) | Maximum Activity ($dpm/100cm^2$) | | Remediation Method | Post-Remediation Maximum Activity ($dpm/100cm^2$) | |
|---|---|---|---|---|---|---|
| | | Total | Removable (cpm) | | Total | Removable (cpm) |
| | 1 | | 60– $^{14}C$ | | | 25– $^{14}C$ |
| 20-3201 | Floor 0.5 | 6,140 | 32– $^{3}H$<br>23– $^{14}C$ | Scabbled | <MDC | 20– $^{3}H$<br>18– $^{14}C$ |
| 20-3201 | Floor 4 | 24,740 | 32– $^{3}H$<br>34– $^{14}C$ | Scabbled | <MDC | 20– $^{3}H$<br>24– $^{14}C$ |
| 20-3201 | Floor 10 | 186,333 | 58– $^{3}H$<br>84– $^{14}C$ | Scabbled | <MDC | 23– $^{3}H$<br>19– $^{14}C$ |
| 20-3201 | Sink 0.5 | 9,966 | 102– $^{3}H$<br>258– $^{14}C$ | Removed | N/A | N/A |
| 20-3201 | Sink 0.25 | 5,099 | 44– $^{3}H$<br>49– $^{14}C$ | Removed | N/A | N/A |
| 20-3201 | Benchtop 0.33 | 5,959 | 54– $^{3}H$<br>79– $^{14}C$ | Removed | N/A | N/A |
| 20-3201 | Sink 4 | 19,350 | 57– $^{3}H$<br>99– $^{14}C$ | Removed | N/A | N/A |
| 20-3201 | Fumehood 1 | 21,237 | 128– $^{3}H$<br>149– $^{14}C$ | Removed | N/A | N/A |
| 20-3201 | Fumehood 0.5 | 202,691 | 57– $^{3}H$<br>104– $^{14}C$ | Removed | N/A | N/A |
| 25-1101 | Drawer 1.5 | 10,355 | 317– $^{3}H$<br>634– $^{14}C$ | Removed | N/A | N/A |
| 25-1101 | Benchtop 20 | 1,345,831 | 2,543– $^{3}H$<br>5,410– $^{14}C$ | Removed | N/A | N/A |
| 25-1101 | Floor 80 | 4,542,697 | 5,788– $^{3}H$<br>11,586– $^{14}C$ | Scabbled | 608 | 56– $^{3}H$<br>22– $^{14}C$ |
| 25-1101 | Drawer 1.5 | 360,472 | 299– $^{3}H$<br>636– $^{14}C$ | Removed | N/A | N/A |
| 25-1201 | Cabinet under sink 1 | 9,378 | 30– $^{3}H$<br>22– $^{14}C$ | Wet Wiped | 3,212 | 22– $^{3}H$<br>18– $^{14}C$ |
| 25-1201 | Drawer face 4 | 30,494 | 608– $^{3}H$<br>892– $^{14}C$ | Wet Wiped | 879 | 27– $^{3}H$<br>31– $^{14}C$ |
| 25-1201 | Benchtop 2 | 26,138 | 26– $^{3}H$<br>33– $^{14}C$ | Wet Wiped | 433 | 28– $^{3}H$<br>31– $^{14}C$ |
| 25-1201 | Drawer 3 | 15,106 | 43– $^{3}H$<br>88– $^{14}C$ | Wet Wiped | 2,165 | 17– $^{3}H$<br>19– $^{14}C$ |
| 25-1201 | Fumehood 2 | 463,659 | 20– $^{3}H$<br>33– $^{14}C$ | Removed | N/A | N/A |
| 25-1201 | Benchtop 4 | 28,087 | 36– $^{3}H$<br>46– $^{14}C$ | Removed | N/A | N/A |
| 25-1201 | Floor 2 | 7,416 | 20– $^{3}H$<br>23– $^{14}C$ | Scabbled | <MDC | 14– $^{3}H$<br>15– $^{14}C$ |

| Survey Unit | Location/ Size ($ft^2$) | Maximum Activity ($dpm/100cm^2$) | | Remediation Method | Post-Remediation Maximum Activity ($dpm/100cm^2$) | |
|---|---|---|---|---|---|---|
| | | Total | Removable (cpm) | | Total | Removable (cpm) |
| 25-1201 | Sink 3 | 7,148 | 45– $^3H$<br>69– $^{14}C$ | Removed | N/A | N/A |
| 25-1201 | Fumehood 5 | 6,599 | 33– $^3H$<br>61– $^{14}C$ | Wet Wiped | 2,249 | 17– $^3H$<br>24– $^{14}C$ |
| 25-1201 | Fumehood cabinet face 3 | 94,914 | 250– $^3H$<br>420– $^{14}C$ | Wet Wiped | 2,359 | 19– $^3H$<br>40– $^{14}C$ |
| 25-1201 | Sink 4 | 116,606 | 2,160– $^3H$<br>3,197– $^{14}C$ | Wet Wiped | 2,256 | 24– $^3H$<br>30– $^{14}C$ |
| 25-1201 | Drawer 1 | 17,631 | 38– $^3H$<br>45– $^{14}C$ | Wet Wiped | 1,312 | 19– $^3H$<br>21– $^{14}C$ |
| 25-1201 | Sink 0.5 | 8,471 | 25– $^3H$<br>27– $^{14}C$ | Removed | N/A | N/A |
| 25-1201 | Drawer 1 | 5,868 | 12– $^3H$<br>20– $^{14}C$ | Wet Wiped | <MDC | 28– $^3H$<br>25– $^{14}C$ |
| 25-1201 | Drawer 0.5 | 11,961 | 22– $^3H$<br>28– $^{14}C$ | Wet Wiped | <MDC | 15– $^3H$<br>20– $^{14}C$ |
| 25-1201 | Fumehood 1 | 5,276 | 153– $^3H$<br>132– $^{14}C$ | Removed | N/A | N/A |
| 25-1201 | Fumehood 1.5 | 62,734 | 69– $^3H$<br>119– $^{14}C$ | Removed | N/A | N/A |
| 25-1201 | Fumehood 1 | 7,694 | 666– $^3H$<br>372– $^{14}C$ | Removed | N/A | N/A |
| 25-1201 | Benchtop 18 | 5,931 | 28– $^3H$<br>59– $^{14}C$ | Removed | N/A | N/A |
| 25-1201 | Wall 50 | 16,485 | 18– $^3H$<br>34– $^{14}C$ | Removed | N/A | N/A |
| 25-1201 | Ceiling tiles[7] 30 | 5,158 | 26– $^3H$<br>29– $^{14}C$ | Removed | N/A | N/A |
| 25-1201 | Electric panel 5 | 13,033 | 221– $^3H$<br>28– $^{14}C$ | Removed | N/A | N/A |
| 25-1201 | Floor 3 | 5,170 | 15– $^3H$<br>14– $^{14}C$ | Scabbled | <MDC | 33– $^3H$<br>49– $^{14}C$ |
| 25-1201 | Floor 4 | 8,764 | 30– $^3H$<br>33– $^{14}C$ | Scabbled | <MDC | 27– $^3H$<br>28– $^{14}C$ |
| 25-1201 | Floor 15 | 7,700 | 92– $^3H$<br>51– $^{14}C$ | Scabbled | <MDC | 35– $^3H$<br>48– $^{14}C$ |
| 25-1201 | Biohood 25 | 273,341 | 2,966– $^3H$<br>4,314– $^{14}C$ | Removed | N/A | N/A |

[7] Ceiling tiles were removed and 100% of all room surfaces, including upper walls and ceilings, were scanned.

| Survey Unit | Location/ Size ($ft^2$) | Maximum Activity ($dpm/100cm^2$) | | Remediation Method | Post-Remediation Maximum Activity ($dpm/100cm^2$) | |
|---|---|---|---|---|---|---|
| | | Total | Removable (cpm) | | Total | Removable (cpm) |
| 25-2201 | Sink 3 | 8,021 | 24– $^3H$<br>34– $^{14}C$ | Wet Wiped | 2,624 | 16– $^3H$<br>22– $^{14}C$ |
| 25-2201 | Sink 3 | 6,897 | 27– $^3H$<br>29– $^{14}C$ | Wet Wiped | 3,580 | 26– $^3H$<br>17– $^{14}C$ |
| 25-2201 | Drawer 6 | 28,663 | 85– $^3H$<br>110– $^{14}C$ | Removed | N/A | N/A |
| 25-2201 | Sink 4 | 24,299 | 77– $^3H$<br>89– $^{14}C$ | Removed | N/A | N/A |
| 25-2201 | Sink 1 | 6,788 | 24– $^3H$<br>29– $^{14}C$ | Wet Wiped | 523 | 24– $^3H$<br>23– $^{14}C$ |
| 25-2201 | Sink 3 | 5,066 | 23– $^3H$<br>26– $^{14}C$ | Wet Wiped | 536 | 17– $^3H$<br>20– $^{14}C$ |
| 25-2201 | Drawer 2 | 9,707 | 147– $^3H$<br>298– $^{14}C$ | Wet Wiped | 950 | 16– $^3H$<br>16– $^{14}C$ |
| 25-2201 | Fumehood 10 | 14,294 | 1,299– $^3H$<br>1,215– $^{14}C$ | Removed | N/A | N/A |
| 25-3201 | Wall 10 | 74,650 | 46– $^3H$<br>58– $^{14}C$ | Removed | N/A | N/A |
| 25-3201 | Wall 1 | 5,167 | 28– $^3H$<br>24– $^{14}C$ | Removed | N/A | N/A |
| 25-3201 | Cabinet 1 | 8,708 | 70– $^3H$<br>103– $^{14}C$ | Removed | N/A | N/A |
| 25-3201 | Cabinet 1 | 11,005 | 21– $^3H$<br>26– $^{14}C$ | Removed | N/A | N/A |
| 25-3201 | Cabinet 9 | 65,565 | 49– $^3H$<br>59– $^{14}C$ | Removed | N/A | N/A |
| 25-3201 | Fumehood 1.5 | 624,783 | 28– $^3H$<br>32– $^{14}C$ | Removed | N/A | N/A |
| 25-3201 | Drawer 1 | 6,960 | 33– $^3H$<br>32– $^{14}C$ | Wet Wiped | <MDC | 16– $^3H$<br>24– $^{14}C$ |
| 25-3201 | Fumehood 6 | 178,578 | 1,086– $^3H$<br>1,471– $^{14}C$ | Removed | N/A | N/A |
| 25-3201 | Sink 1 | 6,348 | 26– $^3H$<br>29– $^{14}C$ | Removed | N/A | N/A |
| 25-3201 | Fumehood 1 | 9,551 | 459– $^3H$<br>611– $^{14}C$ | Wet Wiped | <MDC | 21– $^3H$<br>18– $^{14}C$ |
| 25-3201 | Fumehood 1 | 5,084 | 105– $^3H$<br>135– $^{14}C$ | Removed | N/A | N/A |
| 25-3201 | Fumehood 1 | 10,488 | 1,612– $^3H$<br>3,831– $^{14}C$ | Wet Wiped | <MDC | 18– $^3H$<br>14– $^{14}C$ |
| 25-3201 | Fumehood 0.25 | 50,273 | 2,211– $^3H$<br>2,132– $^{14}C$ | Removed | N/A | N/A |

| Survey Unit | Location/ Size ($ft^2$) | Maximum Activity ($dpm/100cm^2$) | | Remediation Method | Post-Remediation Maximum Activity ($dpm/100cm^2$) | |
|---|---|---|---|---|---|---|
| | | Total | Removable (cpm) | | Total | Removable (cpm) |
| 25-3201 | Fumehood 0.25 | 30,999 | 175– $^3H$<br>387– $^{14}C$ | Removed | N/A | N/A |
| 25-3201 | Fumehood 0.5 | 6,299 | 264– $^3H$<br>220– $^{14}C$ | Removed | N/A | N/A |
| 25-3201 | Fumehood 1 | 24,491 | 93– $^3H$<br>150– $^{14}C$ | Removed | N/A | N/A |
| 25-3201 | Fumehood Sink 0.5 | 146,457 | 297– $^3H$<br>406– $^{14}C$ | Removed | N/A | N/A |
| 25-3201 | Fumehood Sink 0.5 | 7,526 | 24– $^3H$<br>27– $^{14}C$ | Removed | N/A | N/A |
| 25-3201 | Fumehood 1 | 13,734 | 206– $^3H$<br>359– $^{14}C$ | Removed | N/A | N/A |
| 25-3201 | Floor 40 | 57,000 | 22– $^3H$<br>22– $^{14}C$ | Scabbled | <MDC | 40– $^3H$<br>27– $^{14}C$ |
| 25-3201 | Floor 4 | 7,000 | 113– $^3H$<br>196– $^{14}C$ | Scabbled | <MDC | 32– $^3H$<br>21– $^{14}C$ |
| 25-3201 | Floor 15 | 2,210 | 28– $^3H$<br>31– $^{14}C$ | Scabbled | <MDC | 36– $^3H$<br>32– $^{14}C$ |
| 25-3201 | Floor 8 | 8,000 | 30– $^3H$<br>24– $^{14}C$ | Scabbled | <MDC | 17– $^3H$<br>24– $^{14}C$ |
| 25-3201 | Floor 128 | 8,000 | 35– $^3H$<br>26– $^{14}C$ | Scabbled | <MDC | 25– $^3H$<br>24– $^{14}C$ |
| 25-3201 | Floor 1 | 150,000 | 119– $^3H$<br>180– $^{14}C$ | Scabbled | <MDC | 18– $^3H$<br>19– $^{14}C$ |
| 25-3201 | Floor 2 | 155,000 | 40– $^3H$<br>43– $^{14}C$ | Scabbled | <MDC | 20– $^3H$<br>21– $^{14}C$ |
| 25-3201 | Floor 2 | 39,000 | 28– $^3H$<br>40– $^{14}C$ | Scabbled | <MDC | 21– $^3H$<br>27– $^{14}C$ |
| 25-3201 | Floor 10 | 5,038 | 19– $^3H$<br>23– $^{14}C$ | Scabbled | <MDC | 29– $^3H$<br>24– $^{14}C$ |
| 25-3201 | Floor 2 | 8,220 | 46– $^3H$<br>42– $^{14}C$ | Scabbled | <MDC | 15– $^3H$<br>19– $^{14}C$ |
| 25-3201 | Floor 24 | 89,901 | 143- $^3H$<br>148– $^{14}C$ | Scabbled | <MDC | 28– $^3H$<br>26– $^{14}C$ |
| 25-3301 | Cabinet 4 | 15,800 | 230– $^3H$<br>350– $^{14}C$ | Removed | N/A | N/A |
| 25-3301 | Wall 2 | 5,650 | 502– $^3H$<br>948– $^{14}C$ | Wet Wiped | <MDC | 37– $^3H$<br>36– $^{14}C$ |
| 25-P201 | Floor 300 | 113,000 | 152– $^3H$<br>200– $^{14}C$ | Scarified/ Scabbled | 4,520 | 22– $^3H$<br>26– $^{14}C$ |
| 25-P201 | Wall 50 | 28,000 | 68– $^3H$<br>93– $^{14}C$ | Scarified/ Scabbled | 4,769 | 39– $^3H$<br>48– $^{14}C$ |

| Survey Unit | Location/ Size ($ft^2$) | Maximum Activity ($dpm/100cm^2$) | | Remediation Method | Post-Remediation Maximum Activity ($dpm/100cm^2$) | |
|---|---|---|---|---|---|---|
| | | Total | Removable (cpm) | | Total | Removable (cpm) |
| 26-2201 | Sink and Cabinet 12 | 702,988 | 1,334– $^{3}H$ 2,853– $^{14}C$ | Removed | N/A | N/A |
| 28-G201 | Floor 2 | 4,946 | 181– $^{3}H$ 157– $^{14}C$ | Scabbled | 3,096 | 20– $^{3}H$ 22– $^{14}C$ |
| 30-1201 | Sink 2 | 43,102 | 17– $^{3}H$ 21– $^{14}C$ | Removed | N/A | N/A |
| 520-G101 | Wall 0.5 | 6,680 | 60– $^{3}H$ 83– $^{14}C$ | Wet Wiped | 668 | 17– $^{3}H$ 26– $^{14}C$ |
| 520-G101 | Countertop 0.5 | 4,090 | 173– $^{3}H$ 265– $^{14}C$ | Wet Wiped | 4,090 | 13– $^{3}H$ 14– $^{14}C$ |
| 520-G101 | Wall 0.5 | 56,600 | 1,259– $^{3}H$ 1,890– $^{14}C$ | Removed | N/A | N/A |
| 520-G101 | Wall 0.5 | 27,600 | 55– $^{3}H$ 89– $^{14}C$ | Removed | N/A | N/A |
| 520-G101 | Wall 0.5 | 17,300 | 111– $^{3}H$ 187– $^{14}C$ | Removed | N/A | N/A |
| 520-G101 | Handle 0.25 | 36,100 | 33– $^{3}H$ 53– $^{14}C$ | Removed | N/A | N/A |
| 520-G101 | Handle 0.25 | 29,000 | 384– $^{3}H$ 619– $^{14}C$ | Removed | N/A | N/A |
| 520-G101 | Shelves 30 | 11,000,000 | 586,728– $^{3}H$ 1,253,805– $^{14}C$ | Removed | N/A | N/A |
| 520-G101 | Wall 30 | 795,000 | 9,543– $^{3}H$ 18,996– $^{14}C$ | Removed | N/A | N/A |
| 520-G101 | Floor 200 | 68,000 | 294– $^{3}H$ 430– $^{14}C$ | Removed Vinyl Tile | <MDC | 27– $^{3}H$ 28– $^{14}C$ |

**Table 20-2 Remediated Systems**

| Survey Unit | Location | Maximum Activity (dpm/100cm$^2$) | | Remediation Method | Post-Remediation Maximum Activity (dpm/100cm$^2$)[8] | |
|---|---|---|---|---|---|---|
| | | Total | Removable (cpm) | | Total | Removable cpm |
| 14-DR01 | Drain | N/A | 187– $^3$H<br>67– $^{14}$C | Removed Trap | N/A | 20– $^3$H<br>21– $^{14}$C |
| 14-DR01 | Drain | N/A | 1,698– $^3$H<br>461– $^{14}$C | Removed Trap | N/A | 22– $^3$H<br>17– $^{14}$C |
| 14-DR01 | Drain | N/A | 1,166– $^3$H<br>306– $^{14}$C | Removed Trap | N/A | 13– $^3$H<br>15– $^{14}$C |
| 23-DR01 | Drain | N/A | 141– $^3$H<br>134– $^{14}$C | Removed Trap | N/A | 1,011– $^3$H<br>952– $^{14}$C |
| 20-DR01 | Drain | N/A | 388– $^3$H<br>159– $^{14}$C | Removed 50 LF[9] | N/A | 437– $^3$H<br>670– $^{14}$C |
| 20-VA01 | Vacuum | N/A | 481– $^3$H<br>171– $^{14}$C | Removed 8 LF | N/A | 120– $^3$H<br>66– $^{14}$C |
| 20-VA01 | Vacuum | N/A | 928– $^3$H<br>380– $^{14}$C | Removed 4 LF | N/A | 54– $^3$H<br>29– $^{14}$C |
| 20-VA01 | Vacuum | N/A | 597– $^3$H<br>651– $^{14}$C | Removed 4 LF | N/A | 132– $^3$H<br>72– $^{14}$C |
| 20-VA01 | Vacuum | N/A | 19– $^3$H<br>24– $^{14}$C | Removed 4 LF | N/A | 26– $^3$H<br>21– $^{14}$C |
| 20-VE01 | Ventilation | 20,000 | 176– $^3$H<br>165– $^{14}$C | Removed 7 LF | 7,624 | 26– $^3$H<br>19– $^{14}$C |
| 20-VE01 | Ventilation | 16,200 | 202– $^3$H<br>156– $^{14}$C | Removed 9 LF | <MDC | 16– $^3$H<br>25– $^{14}$C |
| 20-VE01 | Ventilation | 13,600 | 506– $^3$H<br>646– $^{14}$C | Removed 9 LF | <MDC | 20– $^3$H<br>18– $^{14}$C |
| 25-DR01 | Drain | N/A | 179,033– $^3$H<br>20,604– $^{14}$C | Removed 30 LF | N/A | 193– $^3$H<br>284– $^{14}$C |
| 25-DR01 | Drain | N/A | 172,834– $^3$H<br>46,882– $^{14}$C | Removed 70 LF | N/A | 257– $^3$H<br>411– $^{14}$C |
| 25-DR01 | Drain | N/A | 293,158– $^3$H<br>238,150-$^{14}$C | Removed 200 LF | N/A | 19– $^3$H<br>26– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 101– $^3$H<br>166– $^{14}$C | Removed 1 LF | N/A | 24– $^3$H<br>18– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 243– $^3$H<br>166– $^{14}$C | Removed 1 LF | N/A | 123– $^3$H<br>64– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 247– $^3$H<br>359– $^{14}$C | Removed 1 LF | N/A | 186– $^3$H<br>85– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 165– $^3$H<br>251– $^{14}$C | Removed 1 LF | N/A | 81– $^3$H<br>79– $^{14}$C |

[8] Where system piping/ducts were removed, post remediation results are for the remaining portions.
[9] LF = linear feet.

| Survey Unit | Location | Maximum Activity (dpm/100cm$^2$) | | Remediation Method | Post-Remediation Maximum Activity (dpm/100cm$^2$)[8] | |
|---|---|---|---|---|---|---|
| | | Total | Removable (cpm) | | Total | Removable cpm |
| 25-VA01 | Vacuum | N/A | 251– $^3$H<br>320– $^{14}$C | Removed 1 LF | N/A | 35– $^3$H<br>40– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 175– $^3$H<br>243– $^{14}$C | Removed 1 LF | N/A | 18– $^3$H<br>18– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 137– $^3$H<br>113– $^{14}$C | Removed 1 LF | N/A | 37– $^3$H<br>41– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 148– $^3$H<br>59– $^{14}$C | Removed 1 LF | N/A | 78– $^3$H<br>31– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 111– $^3$H<br>140– $^{14}$C | Removed 5 LF | N/A | 58– $^3$H<br>65– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 1,074– $^3$H<br>363– $^{14}$C | Removed 1 LF | N/A | 23– $^3$H<br>25– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 1,110– $^3$H<br>1,624– $^{14}$C | Removed 5 LF | N/A | 18– $^3$H<br>29– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 1,052– $^3$H<br>1,052– $^{14}$C | Removed 5 LF | N/A | 59– $^3$H<br>70– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 94– $^3$H<br>109– $^{14}$C | Removed 5 LF | N/A | 53– $^3$H<br>54– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 2,231– $^3$H<br>3,010– $^{14}$C | Removed 10 LF | N/A | 33– $^3$H<br>34– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 319– $^3$H<br>367– $^{14}$C | Removed 10 LF | N/A | 20– $^3$H<br>21– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 1,679– $^3$H<br>2,138– $^{14}$C | Removed 10 LF | N/A | 118– $^3$H<br>129– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 335– $^3$H<br>347– $^{14}$C | Removed 20 LF | N/A | 121– $^3$H<br>101– $^{14}$C |
| 25-VA01 | Vacuum | N/A | 99– $^3$H<br>136– $^{14}$C | Removed 1 LF | N/A | 26– $^3$H<br>26– $^{14}$C |
| 25-VE01 | Ventilation | 28,400 | 28– $^3$H<br>40– $^{14}$C | Removed 12.5 LF | 1,065 | 136– $^3$H<br>129– $^{14}$C |
| 25-VE01 | Ventilation | 10,000 | 28– $^3$H<br>15– $^{14}$C | Removed 13.5 LF | 627 | 31– $^3$H<br>33– $^{14}$C |
| 25-VE01 | Ventilation | 2,400 | 13– $^3$H<br>19– $^{14}$C | Removed 14 LF | 1,951 | 45– $^3$H<br>35– $^{14}$C |
| 25-VE01 | Ventilation | N/A | 102– $^3$H<br>117– $^{14}$C | Wet Wiped | N/A | 20– $^3$H<br>22– $^{14}$C |
| 25-VE01 | Ventilation | 31,500 | 14– $^3$H<br>17– $^{14}$C | Removed 11.5 LF | 794 | 91– $^3$H<br>92– $^{14}$C |
| 25-VE01 | Ventilation | 9,800 | 23– $^3$H<br>25– $^{14}$C | Removed 6 LF | 3,863 | 83– $^3$H<br>94– $^{14}$C |
| 25-VE01 | Ventilation | 3,700 | 70– $^3$H<br>45– $^{14}$C | Removed 8 LF | 2,967 | 228– $^3$H<br>190– $^{14}$C |

| Survey Unit | Location | Maximum Activity (dpm/100cm$^2$) | | Remediation Method | Post-Remediation Maximum Activity (dpm/100cm$^2$)[8] | |
|---|---|---|---|---|---|---|
| | | Total | Removable (cpm) | | Total | Removable cpm |
| 26-DR01 | Drain | N/A | 170– $^3$H<br>53– $^{14}$C | Removed Trap | N/A | 130– $^3$H<br>55– $^{14}$C |
| 26-DR01 | Drain | N/A | 2,235– $^3$H<br>509– $^{14}$C | Removed Trap | N/A | 33– $^3$H<br>20– $^{14}$C |
| 26-DR01 | Drain | N/A | 401– $^3$H<br>399– $^{14}$C | Removed Trap | N/A | 40– $^3$H<br>162– $^{14}$C |
| 26-DR01 | Drain | N/A | 742– $^3$H<br>155– $^{14}$C | Removed Trap | N/A | 1,408– $^3$H<br>186– $^{14}$C |
| 30-VA01 | Vacuum | N/A | 151– $^3$H<br>68– $^{14}$C | Removed 6 LF | N/A | 17– $^3$H<br>21– $^{14}$C |
| 30-VA01 | Vacuum | N/A | 2,052– $^3$H<br>523– $^{14}$C | Removed 6 LF | N/A | 117– $^3$H<br>50– $^{14}$C |
| 30-VA01 | Vacuum | N/A | 308– $^3$H<br>93– $^{14}$C | Removed 6 LF | N/A | 309– $^3$H<br>125– $^{14}$C |

### 20.2 Remedial Action Surveys

Remediation was conducted to control the spread of contamination and keep personnel exposures ALARA. Remedial action surveys were conducted in support of remediation activities to help determine when an area was ready for a final status survey and to provide updated estimates for final status survey planning. Remedial action surveys served to monitor the effectiveness of decontamination efforts and to ensure that surrounding areas were not cross-contaminated from remediation actions.

Remedial action surveys consist of scan surveys, direct measurements and removable contamination measurements. These were conducted following remediation activities to establish the success or failure of decontamination efforts. Results of the survey were the decision basis for continued remediation or conduct of final status surveys. Remedial action surveys were designed to meet the objectives of the final status surveys and, to the extent allowed by MARSSIM, the results of the remedial action surveys were used to supplement the final status survey.

## 21.0 Design and Performance of Final Status Surveys

Final status surveys were performed using the Data Quality Objective (DQO) process to demonstrate that residual radioactivity in each survey unit satisfied the predetermined criteria for release for unrestricted use. Final status surveys were conducted by performing the appropriate combination of scan surveys, total activity measurements and removable activity measurements as discussed further in this section. All final status surveys were performed according to survey package instructions. Survey data were documented on survey maps and/or associated data information sheets.

## 21.1 Background Determination

The use of reference background areas or paired background comparisons was not necessary. Material and ambient background values were not significant in comparison to the DCGLs or ALARA goals. For direct measurements, an ambient background was determined for each survey, was subtracted from gross measurements, and was used to calculate the actual survey MDCs and associated count errors. Material-specific background determinations were not performed. Background was not subtracted from removable activity measurements and all results are reported in gross cpm.

## 21.2 Surface Scans

Scanning was used to identify locations within the survey unit that exceed the investigation level. Table 21-1 summarizes the minimum scan percentage of accessible building structural surfaces based on classification.

**Table 21-1 Scan Survey Coverage by Classification**

| Structure | Class 1 | Class 2 | Class 3 |
|---|---|---|---|
| Floors | 100% | 50% | 20% |
| Fume Hoods | 100% | 100% | 10% |
| Other Structures | 100% | 50% | 10% |

For surfaces that received less than 100% scan survey, the surfaces scanned were those with the highest potential to contain residual radioactivity at the discretion of the surveyor. The percentage of survey area scanned was, in some cases, increased based on suspected or actual elevated activity. If elevated activity was identified in excess of the ALARA goals, an evaluation was made regarding the decision to upgrade an area. If the contamination was confined to a single room, then that room received additional scans (100%). If survey results indicated activity above the DCGL (operationally, 50% of the DCGL using the 4 $\pi$ efficiency), the room was upgraded to Class 1. Floor areas near building entrances and exits received a 100% scan survey regardless of the area classification.

If elevated activity was detected during the scan surveys, then the location was marked and total and removable surface activity measurements were taken to quantify the activity. However, these total surface activity measurements were in addition to the static measurements required for the Sign test.

## 21.3 Total Surface Activity Measurements

Direct surveys (static measurements) for total surface activity were taken on building surfaces in impacted areas utilizing instrumentation of the best geometry based on the surface at the survey location. Additionally, locations of elevated activity identified and marked during the scan survey received direct survey measurements. Static

measurements were taken in impacted areas at each identified sample location. Scaler count times were determined to achieve the detection sensitivities stated in the DQOs. Field measurements were converted to activity concentrations using the following equation:

**Equation 2**

$$\text{Activity (dpm/100cm}^2) = \frac{cpm_{sample} - cpm_{background}}{E_{total} \cdot \frac{A}{100cm^2}}$$

### 21.3.1 Determining the Number of Samples

The minimum number of samples required for the Sign Test was calculated using equations in Section 5 of MARSSIM. A conservative estimate of the standard deviation of total surface activity measurements (2500 dpm/100cm$^2$) was used. The LBGR was set at one half of the DCGL. The calculations performed to determine the required number of samples is provided below.

### 21.3.2 Determination of the Relative Shift

The number of required samples depends on the ratio involving the activity level to be measured relative to the variability in the concentration. The ratio to be used is called the Relative Shift, $\Delta/\sigma_S$, and is defined in MARSSIM as:

**Equation 3**

$$\Delta / \sigma_S = \frac{DCGL - LBGR}{\sigma_S}$$

Where:

DCGL = derived concentration guideline level (dpm/100cm$^2$)
LBGR = concentration at the lower bound of the gray region. The LBGR is the average concentration to which the survey unit should be cleaned in order to have an acceptable probability of passing the test (dpm/100cm$^2$)
$\sigma_S$ = an estimate of the standard deviation of the residual radioactivity in the survey unit (dpm/100cm$^2$)

The actual calculation is provided below:

$$\Delta / \sigma_S = \frac{3.7E6 - 1.85E6}{2500} = 740$$

Since MARRSIM Table 5.5 does not include relative shifts above 3 and the number of samples required decreases with an increasing relative shift, the relative shift was conservatively set at 3.

### 21.3.3 Determination of Acceptable Decision Errors

A decision error is the probability of making an error in the decision on a survey unit by failing a unit that should pass (β decision error) or passing a unit that should fail (α decision error). MARSSIM uses the terminology α and β decision errors; this is the same as the more common terminology of Type I and Type II errors, respectively. The decision errors are 0.05 for Type I errors and 0.05 for Type II errors.

### 21.3.4 Determination of Number of Data Points (Sign Test)

The number of direct measurements for a particular survey unit, employing the Sign Test, is determined from MARSSIM Table 5.5, which is based on the following equation (MARSSIM equation 5-2):

**Equation 4**

$$N = \frac{\left(Z_{1-\alpha} + Z_{1-\beta}\right)^2}{4\left(SignP - 0.5\right)^2}$$

Where:

N = number of samples needed in the survey unit
$Z_{1-\alpha}$ = percentile represented by the decision error α
$Z_{1-\beta}$ = percentile represented by the decision error β
*SignP* = estimated probability that a random measurement will be less than the DCGL when the survey unit median is actually at the LBGR
*Note: SignP* is determined from MARSSIM Table 5.4

MARSSIM recommends increasing the calculated number of measurements by 20% to ensure sufficient power of the statistical tests and to allow for possible data losses. MARSSIM Table 5.5 values include an increase of 20% of the calculated value. The approach for this project was to predetermine a number of samples to be applied to all survey units. This approach provides sufficient power for the statistical test while streamlining the survey planning process. The following calculations were made to determine this number:

$$N = \frac{(1.645 + 1.645)^2}{4(0.998650 - 0.5)^2} = 11$$

$Z_{1-\alpha}$ and $Z_{1-\beta}$ are equal to 1.645 using the error rate of 0.05 from MARSSIM Table 5.2. SignP is equal to 0.998650 from MARSSIM Table 5.4. Adding an additional 20% to account for data losses resulted in a value of 14.

Therefore, the determined number of samples per survey unit for the final status surveys for planning purposes was **14**.

### 21.3.5 Determination of Sample Locations

Determination of Class 1 and Class 2 survey unit sample locations is accomplished by first determining sample spacing and then systematically plotting the sample locations from a randomly generated start location. The random starting point of the grid provides an unbiased method for obtaining measurement locations to be used in the statistical tests. A square grid is used in this survey design. The use of a systematic grid allows the decision-maker to draw conclusions about the size of potential areas of elevated activity based on the area between measurement locations. Class 3 survey locations are determined from computer selected randomly generated x and y coordinates. Survey protocols for all areas are summarized in Table 21-2.

**Table 21-2 Survey Sample Placement Overview**

| Survey Unit Classification | | $DCGL_w$ Comparison | Elevated Measurement Comparison | Measurement Locations |
|---|---|---|---|---|
| Impacted | Class 1 | Yes | N/A | Systematic Random |
| | Class 2 | Yes | N/A | Systematic Random |
| | Class 3 | Yes | N/A | Random |
| Non-Impacted | | None | None | None |

In laboratory areas, permanent counter tops and other horizontal surfaces that block floor surfaces were included as a replacement to the blocked floor surface. Likewise, fixed cabinetry faces and other permanent equipment were used to replace blocked wall surfaces. Internal surfaces of permanent furnishings (i.e., drawer or cabinetry interior surfaces) were not included in the systematic measurement location placement. However, these surfaces were included in the scan surveys. Additional total surface activity measurements were collected at each area of elevated activity identified during the scan surveys.

#### 21.3.5.1 Determining Class 1 Sample Locations

In Class 1 survey units, the sampling locations were established in a unique pattern beginning with the random start location and the determined sample spacing. After determining the number of samples needed in the survey unit, sample spacing was determined from MARSSIM equation 5-8:

**Equation 5**

$$L = \sqrt{\frac{A}{N}} \text{ for a square grid}$$

Where:

L = sample spacing interval
A = the survey unit area
N = number of samples needed in the survey unit

Maps were generated of the survey unit's permanent surfaces included in the statistical tests (floors, walls, ceilings, fixed cabinetry, etc.) and folded out in a 2-dimensional view. A random starting point was determined using computer-generated random numbers coinciding with the x and y coordinates of the total survey unit. A grid was then plotted across the survey unit horizontal surfaces based on the random start point and the determined sample spacing. A measurement location was plotted at each intersection of the grid plot.

### 21.3.5.2 Determining Class 2 and Class 3 Sample Locations

Class 1 survey units generally consist of one or two rooms or laboratories. Class 2 and Class 3 survey units generally consist of many rooms. Representing each room in a "fold-out" view to show all surfaces is difficult and time-consuming. The process to identify, map and locate measurement coordinates in survey units with many rooms is complicated due to the noncontiguous nature of the survey unit once walls are "folded-out".

For the reasons above, the MARSSIM sample measurement locations (i.e., random static and wipe measurements) for Class 2 and Class 3 survey units were determined only on horizontal surfaces as determined on floor plans. This protocol increases the sample density on the surfaces with the highest probability for residual contamination (floors, benchtops, fume hood working surfaces, etc.). The appropriate percentage of all survey unit surfaces (including vertical surfaces) were scanned according to the survey unit classification.

As part of characterization, the survey technician judgmentally selected locations with the highest probability of contamination on vertical surfaces for a static measurement and smear, such as light switches, door knobs, door pulls, push plates, and other locations. These measurements were in addition to and were not included in the statistical analysis of the locations selected by MARSSIM protocols.

**Determining Class 2 Sample Locations**

In Class 2 survey units, the sampling locations were established in a unique pattern beginning with the random start location and the determined sample spacing. After determining the number of samples needed in the survey unit, sample spacing was determined from MARSSIM equation 5-8:

**Equation 6**

$$L = \sqrt{\frac{A}{N}} \text{ for a square grid}$$

Where:

L = sample spacing interval
A = the survey unit floor area
N = number of samples needed in the survey unit

Maps were generated of the survey unit's permanent horizontal surfaces included in the statistical tests. A random starting point was determined using computer-generated random numbers coinciding with the x and y coordinates of the total survey unit. A grid was then plotted across the survey unit surfaces based on the random start point and the determined sample spacing. A measurement location was plotted at each intersection of the grid plot.

**Determining Class 3 Sample Locations**

For Class 3 areas, maps were generated of the survey unit horizontal surfaces. Sample locations were determined using computer generated random x and y coordinates for each sample location. Each location was then plotted on the applicable survey map.

Maps of final status survey locations for all survey units are included in Appendix D.

## 21.4 Removable Contamination Measurements

Removable contamination measurements were collected by wiping an area of approximately 100 $cm^2$ on structural surfaces and inside building systems. The smears/swabs were counted to achieve the detection sensitivities stated in the DQOs. The liquid scintillation counter (LSC) was setup for dual label counting without background subtraction (gross cpm) for $^3H$ and $^{14}C$. Operationally, the ALARA goal of 1,000 dpm/100$cm^2$ was ensured by setting the investigation level to 100 gross cpm on each LSC channel.

## 21.5 Surveys of Building Mechanical System Internals

Surveys of various building system components were performed. Survey design for these systems is out of the scope of MARSSIM. For the purposes of identifying potential residual contamination within these systems, a survey protocol was established and is presented in the following sections.

### 21.5.1 Ventilation Systems

Surveys of building ventilation and fume hood ventilation systems consisted of removable contamination measurements of accessible ventilation exhaust points and at locations of potential collection or buildup. The frequency of the survey effort depended on the classification of the surrounding area. Ventilation system survey requirements are summarized in Table 21-3.

**Table 21-3 Ventilation System Survey Requirements**

| Component | Classification of Area in Which Components Exist | Survey Requirements | | |
|---|---|---|---|---|
| | | Scan Surveys | Static (Total Activity) Measurements | Removable Contamination Measurements |
| General ventilation and fume hood exhaust ducts | Class 1 | 100% scan survey of accessible[1] internal surfaces of all exhaust ducts | At least one static measurement taken on the internal surfaces of 100% of exhaust duct openings | One smear taken at each static measurement location |
| | Class 2 | 100% scan survey of accessible[1] internal surfaces of 100% of fume hood and 50% of general exhaust duct openings | At least one static measurement taken on the internal surfaces 100% of fume hood and 50% of general exhaust duct openings | One smear taken at each static measurement location |
| | Class 3 | 100% scan survey of accessible[1] internal surfaces of at least 10% of the exhaust ducts | At least one static measurement taken on the internal surfaces of 10% of exhaust duct openings | One smear taken at each static measurement location |
| Collection points within ventilation fan units | All | 100% scan survey of accessible[1] internal surfaces of all applicable ventilation fan units | At least one static measurement taken on each internal surface of each accessible[1] opening on the units | One smear taken at each static measurement location |

[1] Within reach of duct or component opening

### 21.5.2 Vacuum Systems

Surveys of building vacuum system internals consisted of removable contamination measurements of accessible vacuum inlet points. Scan surveys and static measurements were not practical due to the small geometry of the vacuum inlet points. Additionally, surveys of potential collection points were performed. The frequency of the survey effort was dependent on the classification of the surrounding area. Vacuum system survey requirements are summarized in Table 21-4.

**Table 21-4 Vacuum System Survey Requirements**

| Component(s) | Classification of Area in Which Components Exist | Survey Requirements | |
|---|---|---|---|
| | | Scan Surveys and Static (Total Activity) Measurements | Removable Contamination Measurements |
| Vacuum system inlets | Class 1 | N/A[1] | At least one smear on the internal surfaces of 100% of vacuum inlet points |
| | Class 2 | N/A[1] | At least one smear on the internal surfaces of 100% of vacuum inlet points |
| | Class 3 | N/A[1] | At least one smear on the internal surfaces of 10% of vacuum inlet points |
| Collection points within vacuum system moisture accumulators and/or filtration components | All | N/A[1] | At least one smear on the internal surfaces of all accessible locations within the vacuum system moisture accumulator(s) and filtration points. |

[1] Scan surveys and static measurements are not practical for these locations due to the small geometry of the vacuum inlet points.

### 21.5.3 Drain Systems

Surveys of building drain system internals consisted of surveys of accessible sink drains, sink drain traps, floor drains and collection points such as sumps and outfalls. Removable contamination surveys of sink drains, sink drain traps and floor drains were collected, since scan surveys and static measurements are not practical due to their small geometry. The frequency of the survey effort was dependent on the classification of the surrounding area. Drain system survey requirements are summarized in Table 21-5.

**Table 21-5 Drain System Survey Requirements**

| Component(s) | Classification of Area in Which Components Exist | Survey Requirements | |
|---|---|---|---|
| | | Scan Surveys and Static (Total Activity) Measurements | Removable Contamination Measurements |
| Drain system inlets | Class 1 | N/A[1] | At least one smear on the internal surfaces of 100% of sink drains, sink drain traps and floor drains. |
| | Class 2 | N/A[1] | At least one smear on the internal surfaces of 100% of sink drains, sink drain traps and floor drains. |
| | Class 3 | N/A[1] | At least one smear on the internal surfaces of 10% of sink drains, sink drain traps and floor drains. |
| Drain system collection points such as accumulator tanks, sumps and outfalls | All | Scan surveys, total surface activity measurements and removable contamination measurements will be collected in sumps and at drain system outfalls as applicable. Sediment samples will be collected at these locations, if possible. | |

[1] Scan surveys and static measurements are not practical for these locations due to the small geometry of the drain system components.

Because there was detectable activity in the internal surfaces of the Building 25 radiosynthesis laboratory drains, a liquid and sludge sample was collected from the downstream manhole in Building 18 and analyzed for C-14 and H-3 activity. All results were less than the minimum sensitivity of the analysis. Laboratory analytical reports are provided in Appendix H.

## 21.6 Data Validation

Field data were reviewed by the Project Manager and validated to ensure:

- Completeness of forms
- Proper types of surveys were performed
- The MDCs for measurements met the established data quality objectives
- Independent calculations were performed on a representative sample of data sheets
- Satisfactory instrument calibrations and daily functionality checks were performed as required

Additionally, all final status survey data were entered into the Final Status Survey Database. This provided the means to sort survey data, verify activity calculations, and to compute the associated MDC and counting errors. Once data entry for a survey unit was complete, a verification report was printed and compared to original data sheets to ensure correct data entry.

## 21.7 Survey Documentation

A survey package was developed for each survey unit containing the following:

- Survey Instruction Sheets
- General survey requirements
- Instrument requirements with associated MDCs, count times and scan rates
- Overview maps detailing survey locations and placement methodology
- Survey Data Sheets
- Signature of Data Collector and Reviewer

To ensure proper data management and organization, a unique location code system was used so that survey data could be properly entered and organized in the Final Status Survey Database. A breakdown of the location code and specific code components are provided in Table 21-6.

**Table 21-6 Location Code Description**

A unique location code was assigned to each individual survey location to ensure proper data management of the survey results. The following format was used to ensure consistency throughout the final status survey process:

**BBB-RRRR-SS-M-LLL**

Where:

| | |
|---|---|
| BBB: | Building Code. This field represents the building number. (3 characters) |
| RRRR: | Survey Unit Number. This is the assigned survey unit number. (4 characters) |
| SS: | Structural Surface Code. This field represents the structural surface such as floor, wall, ceiling, etc. (2 characters)<br>B1 = Benchtop<br>D1 = Fumehood Drains<br>D2 = Floor Drains<br>D3 = Sink Drains<br>D4 = Other Drains<br>F1 = Floor<br>H1 = Fume Hood<br>V1 = Hood Vent<br>V2 = General Ventilation<br>V3 = Ventilation Components<br>V1 = Vacuum Nozzle<br>V2 = Vacuum System Component<br>S1 = Sink<br>S2 = Other Structures |
| M: | Structural Material Code. This field represents the type of structural material on which a particular measurement is taken. (1 character)<br>A = Painted Concrete<br>B = Metal/Stainless Steel<br>C = Concrete<br>D = Rubber Roofing<br>E = Metal Grate<br>G = Glass<br>H =Epoxy<br>I = Insulation<br>O = Encapsulated Duct Work<br>P = Porcelain<br>R = Rug/Carpet<br>T = Tile<br>W = Drywall<br>Z = Rubber Matting |
| LLL: | Numerical Identifier. This field represents the survey location number. The field "001" means survey point location number 1. Numerical identifiers are unique within a survey unit. (3-characters) |

## 21.8 Sample Chain-of-Custody

The sample chain-of-custody maintains the integrity of the sample; that is, there is an accurate record of sample collection, transport, analysis, and disposal. This ensures that samples are neither lost nor tampered with, and that the sample analyzed in the laboratory is actually and verifiably the sample taken from a specific location in the field. An approved Chain of Custody procedure was used for all samples sent off-site for analysis.

# 22.0 Data Quality Assessment and Interpretation of Survey Results

The statistical guidance contained in Section 8 of MARSSIM was used to determine if areas are acceptable for unrestricted release and whether additional surveys or sample measurements were required.

## 22.1 Preliminary Data Review

A preliminary data review was performed for each survey unit to identify any patterns, relationships or anomalies. Additionally, measurement data were reviewed and compared with the DCGLs and investigation levels to confirm the correct classification of survey units. All calculations of means, standard deviations, minimum and maximum values and comparisons between survey data and investigation levels are presented in the following tables. Total beta surface activity reports for each survey unit are included as Appendix E[10]. Reports for building systems surveys are presented in Appendix F.

**Table 22-1 Structural Surfaces Total Beta Surface Activity DQA**

| Survey Unit | # of Sample Locations | Mean | MDC | Standard Deviation | Min. | Max. | Investigation Level | Any Result Exceeding Investigation Level? |
|---|---|---|---|---|---|---|---|---|
| | | (dpm/100 cm$^2$) | | | | | | |
| 14-G301 | 14 | 194 | 527 | 162 | -26 | 556 | 5,000 | NO |
| 14-1201 | 14 | 306 | 527 | 164 | -26 | 556 | 5,000 | NO |
| 14-1301 | 16 | 481 | 519 | 439 | 187 | 2042 | 5,000 | NO |
| 14-P301 | 14 | 617 | 563 | 424 | -142 | 1286 | 5,000 | NO |
| 14-R301 | 14 | 721 | 514 | 228 | 130 | 1087 | 5,000 | NO |
| 20-G201 | 14 | 257 | 557 | 323 | -200 | 872 | 5,000 | NO |
| 20-G301 | 14 | 221 | 566 | 380 | -226 | 937 | 5,000 | NO |
| 20-1201 | 29 | 290 | 509 | 126 | 39 | 504 | 5,000 | NO |
| 20-1301 | 14 | 457 | 507 | 329 | 97 | 1325 | 5,000 | NO |
| 20-2201 | 28 | 330 | 516 | 160 | 78 | 653 | 5,000 | NO |
| 20-2301 | 15 | 175 | 513 | 238 | -116 | 640 | 5,000 | NO |
| 20-3201 | 29 | 376 | 528 | 206 | 13 | 1021 | 5,000 | NO |
| 20-3301 | 14 | 516 | 521 | 365 | 39 | 1331 | 5,000 | NO |
| 20-P301 | 14 | 1034 | 555 | 192 | 712 | 1324 | 5,000 | NO |
| 23-G201 | 14 | 233 | 560 | 449 | -246 | 885 | 5,000 | NO |
| 23-G301 | 14 | 173 | 541 | 188 | -168 | 582 | 5,000 | NO |
| 25-G201 | 18 | 424 | 541 | 220 | 0 | 811 | 5,000 | NO |
| 25-G301 | 14 | 664 | 528 | 332 | 283 | 1577 | 5,000 | NO |
| 25-1101 | 15 | 413 | 628 | 209 | 110 | 904 | 5,000 | NO |
| 25-1201 | 14 | 340 | 534 | 156 | 122 | 673 | 5,000 | NO |

[10] For all results presented in Appendices E, F and G: total activity results above MDC and removable activity results greater than 100 gcpm are presented in bold type.

| Survey Unit | # of Sample Locations | Mean | MDC | Standard Deviation | Min. | Max. | Investigation Level | Any Result Exceeding Investigation Level? |
|---|---|---|---|---|---|---|---|---|
| | | (dpm/100 cm$^2$) | | | | | | |
| 25-1301 | 14 | 741 | 534 | 489 | 398 | 1768 | 5,000 | NO |
| 25-2201 | 15 | 561 | 424 | 256 | 312 | 1361 | 5,000 | NO |
| 25-2301 | 13 | 406 | 451 | 154 | 163 | 758 | 5,000 | NO |
| 25-3201 | 15 | 85 | 564 | 121 | -71 | 265 | 5,000 | NO |
| 25-3301 | 14 | 106 | 567 | 192 | -233 | 452 | 5,000 | NO |
| 25-P201 | 14 | 1118 | 535 | 594 | 103 | 2495 | 5,000 | NO |
| 25-P301 | 14 | 384 | 585 | 317 | -310 | 801 | 5,000 | NO |
| 25-R301 | 14 | 511 | 532 | 150 | 321 | 865 | 5,000 | NO |
| 26-2201 | 14 | 151 | 509 | 144 | -13 | 485 | 5,000 | NO |
| 26-2301 | 14 | 183 | 545 | 650 | -123 | 2417 | 5,000 | NO |
| 26-3201 | 14 | 27 | 535 | 65 | -90 | 136 | 5,000 | NO |
| 26-3301 | 14 | 251 | 551 | 813 | -368 | 2146 | 5,000 | NO |
| 26-P201 | 18 | 877 | 534 | 158 | 696 | 1255 | 5,000 | NO |
| 26-P301 | 14 | 450 | 641 | 162 | 177 | 693 | 5,000 | NO |
| 26-R301 | 14 | 615 | 633 | 196 | 296 | 964 | 5,000 | NO |
| 28-G201 | 14 | 335 | 530 | 380 | -77 | 1087 | 5,000 | NO |
| 28-G301 | 14 | 382 | 502 | 170 | 99 | 597 | 5,000 | NO |
| 28-1301 | 14 | 516 | 493 | 409 | 220 | 1835 | 5,000 | NO |
| 28-2301 | 14 | 349 | 498 | 126 | 174 | 511 | 5,000 | NO |
| 28-3301 | 14 | 432 | 493 | 156 | 200 | 704 | 5,000 | NO |
| 28-P301 | 14 | 203 | 559 | 455 | -628 | 995 | 5,000 | NO |
| 30-G301 | 14 | 119 | 573 | 170 | -84 | 407 | 5,000 | NO |
| 30-1201[11] | 14 | -292 | 636 | 228 | -756 | -13 | 5,000 | NO |
| 30-1301 | 14 | 168 | 621 | 271 | -162 | 627 | 5,000 | NO |
| 35-B301 | 14 | 232 | 598 | 257 | -187 | 885 | 5,000 | NO |
| 35-G201 | 20 | 111 | 696 | 156 | -127 | 507 | 5,000 | NO |
| 35-G301 | 14 | 134 | 694 | 192 | -228 | 473 | 5,000 | NO |
| 35-1201 | 14 | 572 | 566 | 457 | -45 | 1196 | 5,000 | NO |
| 35-1301 | 14 | 291 | 539 | 405 | -155 | 1125 | 5,000 | NO |
| 35-P301 | 14 | 183 | 686 | 242 | -68 | 718 | 5,000 | NO |
| 36-1201 | 14 | 168 | 643 | 145 | -93 | 456 | 5,000 | NO |
| 36-1301 | 14 | 394 | 629 | 174 | 8 | 668 | 5,000 | NO |
| 36-P301 | 14 | 807 | 570 | 181 | 498 | 1144 | 5,000 | NO |
| 60-G201 | 15 | 40 | 669 | 124 | -135 | 270 | 5,000 | NO |
| 60-G301 | 14 | 311 | 679 | 234 | -42 | 761 | 5,000 | NO |

[11] Survey unit 30-1201 exhibits a negative bias (all results are negative), due to an overestimate of the ambient background level. Because each measurement is a small fraction of the DCGL (even with no background subtraction), no further investigation is required.

| Survey Unit | # of Sample Locations | Mean | MDC | Standard Deviation | Min. | Max. | Investigation Level | Any Result Exceeding Investigation Level? |
|---|---|---|---|---|---|---|---|---|
| | | (dpm/100 cm$^2$) | | | | | | |
| 60-1201 | 18 | 599 | 507 | 326 | 213 | 1247 | 5,000 | NO |
| 60-1301 | 14 | 385 | 556 | 385 | 65 | 1234 | 5,000 | NO |
| 60-P301 | 14 | 757 | 541 | 426 | -84 | 1286 | 5,000 | NO |
| 60-R301 | 14 | 629 | 544 | 249 | 184 | 1033 | 5,000 | NO |
| 73-G201 | 15 | 963 | 592 | 152 | 643 | 1217 | 5,000 | NO |
| 90-G201 | 15 | 770 | 525 | 504 | -13 | 1506 | 5,000 | NO |
| 520-G101 | 29 | -219 | 709 | 359 | -702 | 676 | 5,000 | NO |
| 520-G301 | 14 | 300 | 533 | 172 | 38 | 681 | 5,000 | NO |
| 550-G301 | 14 | 191 | 603 | 320 | -298 | 651 | 5,000 | NO |

**Table 22-2 Building Structural Surfaces Removable $^3$H Summary**

| Survey Unit | # of Sample Locations | Mean | Standard Deviation | Min. | Max. | Investigation Level | Any Result Exceeding Investigation Level? |
|---|---|---|---|---|---|---|---|
| | | (gross cpm/100 cm$^2$) | | | | | |
| 14-G301 | 14 | 19 | 5 | 11 | 24 | 100 | NO |
| 14-1201 | 14 | 17 | 5 | 10 | 33 | 100 | NO |
| 14-1301 | 16 | 17 | 3 | 14 | 24 | 100 | NO |
| 14-P301 | 14 | 20 | 4 | 15 | 29 | 100 | NO |
| 14-R301 | 14 | 19 | 4 | 13 | 27 | 100 | NO |
| 20-G201 | 14 | 20 | 4 | 16 | 31 | 100 | NO |
| 20-G301 | 14 | 20 | 3 | 14 | 26 | 100 | NO |
| 20-1201 | 29 | 19 | 4 | 10 | 28 | 100 | NO |
| 20-1301 | 14 | 16 | 4 | 12 | 23 | 100 | NO |
| 20-2201 | 28 | 25 | 5 | 16 | 36 | 100 | NO |
| 20-2301 | 15 | 20 | 4 | 12 | 28 | 100 | NO |
| 20-3201 | 29 | 24 | 4 | 19 | 39 | 100 | NO |
| 20-3301 | 14 | 24 | 3 | 17 | 28 | 100 | NO |
| 20-P301 | 14 | 18 | 5 | 11 | 28 | 100 | NO |
| 23-G201 | 14 | 18 | 4 | 11 | 24 | 100 | NO |
| 23-G301 | 14 | 17 | 5 | 7 | 25 | 100 | NO |
| 25-G201 | 18 | 19 | 4 | 10 | 26 | 100 | NO |
| 25-G301 | 14 | 20 | 5 | 9 | 25 | 100 | NO |
| 25-1101 | 15 | 20 | 5 | 10 | 27 | 100 | NO |
| 25-1201 | 14 | 19 | 4 | 13 | 30 | 100 | NO |
| 25-1301 | 14 | 17 | 3 | 13 | 23 | 100 | NO |
| 25-2201 | 15 | 30 | 16 | 16 | 85 | 100 | NO |

| Survey Unit | # of Sample Locations | Mean | Standard Deviation | Min. | Max. | Investigation Level | Any Result Exceeding Investigation Level? |
|---|---|---|---|---|---|---|---|
| | | (gross cpm/100 cm$^2$) | | | | | |
| 25-2301 | 13 | 26 | 4 | 18 | 34 | 100 | NO |
| 25-3201 | 15 | 22 | 5 | 14 | 28 | 100 | NO |
| 25-3301 | 14 | 22 | 4 | 14 | 29 | 100 | NO |
| 25-P201 | 14 | 18 | 3 | 11 | 22 | 100 | NO |
| 25-P301 | 14 | 18 | 6 | 7 | 28 | 100 | NO |
| 25-R301 | 14 | 19 | 4 | 11 | 25 | 100 | NO |
| 26-2201 | 14 | 20 | 4 | 11 | 28 | 100 | NO |
| 26-2301 | 14 | 19 | 5 | 13 | 30 | 100 | NO |
| 26-3201 | 14 | 20 | 4 | 10 | 25 | 100 | NO |
| 26-3301 | 14 | 20 | 5 | 13 | 31 | 100 | NO |
| 26-P201 | 18 | 17 | 4 | 12 | 25 | 100 | NO |
| 26-P301 | 14 | 16 | 5 | 8 | 25 | 100 | NO |
| 26-R301 | 14 | 17 | 3 | 12 | 23 | 100 | NO |
| 28-G201 | 14 | 18 | 4 | 13 | 25 | 100 | NO |
| 28-G301 | 14 | 19 | 4 | 12 | 28 | 100 | NO |
| 28-1301 | 14 | 18 | 5 | 10 | 27 | 100 | NO |
| 28-2301 | 14 | 20 | 5 | 13 | 26 | 100 | NO |
| 28-3301 | 14 | 18 | 3 | 13 | 24 | 100 | NO |
| 28-P301 | 14 | 17 | 4 | 10 | 25 | 100 | NO |
| 30-G301 | 14 | 18 | 5 | 9 | 28 | 100 | NO |
| 30-1201 | 14 | 17 | 4 | 7 | 23 | 100 | NO |
| 30-1301 | 14 | 15 | 3 | 11 | 20 | 100 | NO |
| 35-B301 | 14 | 18 | 5 | 9 | 27 | 100 | NO |
| 35-G201 | 20 | 20 | 4 | 13 | 29 | 100 | NO |
| 35-G301 | 14 | 21 | 4 | 14 | 27 | 100 | NO |
| 35-1201 | 14 | 19 | 4 | 12 | 24 | 100 | NO |
| 35-1301 | 14 | 40 | 50 | 15 | 203 | 100 | **YES** |
| 35-P301 | 14 | 19 | 5 | 10 | 27 | 100 | NO |
| 36-1201 | 14 | 19 | 3 | 14 | 25 | 100 | NO |
| 36-1301 | 14 | 17 | 4 | 9 | 25 | 100 | NO |
| 36-P301 | 14 | 17 | 5 | 7 | 24 | 100 | NO |
| 60-G201 | 15 | 19 | 4 | 14 | 24 | 100 | NO |
| 60-G301 | 14 | 21 | 5 | 11 | 28 | 100 | NO |
| 60-1201 | 18 | 17 | 4 | 9 | 21 | 100 | NO |
| 60-1301 | 14 | 17 | 4 | 11 | 26 | 100 | NO |
| 60-P301 | 14 | 18 | 4 | 14 | 25 | 100 | NO |
| 60-R301 | 14 | 23 | 4 | 18 | 30 | 100 | NO |
| 73-G201 | 15 | 17 | 5 | 10 | 28 | 100 | NO |

| Survey Unit | # of Sample Locations | Mean | Standard Deviation | Min. | Max. | Investigation Level | Any Result Exceeding Investigation Level? |
|---|---|---|---|---|---|---|---|
| | | (gross cpm/100 cm$^2$) | | | | | |
| 90-G201 | 15 | 18 | 5 | 8 | 26 | 100 | NO |
| 520-G101 | 29 | 18 | 5 | 12 | 35 | 100 | NO |
| 520-G301 | 14 | 25 | 26 | 13 | 113 | 100 | YES |
| 550-G301 | 14 | 19 | 4 | 12 | 26 | 100 | NO |

**Table 22-3 Building Structural Surfaces Removable $^{14}C$ Summary**

| Survey Unit | # of Sample Locations | Mean | Standard Deviation | Min. | Max. | Investigation Level | Any Result Exceeding Investigation Level? |
|---|---|---|---|---|---|---|---|
| | | (gross cpm/100 cm$^2$) | | | | | |
| 14-G301 | 14 | 21 | 6 | 10 | 29 | 100 | NO |
| 14-1201 | 14 | 21 | 5 | 11 | 29 | 100 | NO |
| 14-1301 | 16 | 19 | 4 | 11 | 28 | 100 | NO |
| 14-P301 | 14 | 21 | 4 | 10 | 26 | 100 | NO |
| 14-R301 | 14 | 20 | 3 | 14 | 25 | 100 | NO |
| 20-G201 | 14 | 19 | 5 | 12 | 31 | 100 | NO |
| 20-G301 | 14 | 20 | 3 | 15 | 25 | 100 | NO |
| 20-1201 | 29 | 20 | 4 | 10 | 31 | 100 | NO |
| 20-1301 | 14 | 17 | 3 | 11 | 24 | 100 | NO |
| 20-2201 | 28 | 22 | 5 | 13 | 30 | 100 | NO |
| 20-2301 | 15 | 19 | 4 | 12 | 24 | 100 | NO |
| 20-3201 | 29 | 20 | 4 | 12 | 29 | 100 | NO |
| 20-3301 | 14 | 20 | 4 | 15 | 28 | 100 | NO |
| 20-P301 | 14 | 21 | 5 | 15 | 29 | 100 | NO |
| 23-G201 | 14 | 22 | 6 | 13 | 35 | 100 | NO |
| 23-G301 | 14 | 20 | 5 | 12 | 30 | 100 | NO |
| 25-G201 | 18 | 22 | 6 | 8 | 32 | 100 | NO |
| 25-G301 | 14 | 21 | 3 | 16 | 29 | 100 | NO |
| 25-1101 | 15 | 20 | 4 | 13 | 26 | 100 | NO |
| 25-1201 | 14 | 24 | 8 | 15 | 44 | 100 | NO |
| 25-1301 | 14 | 20 | 3 | 14 | 28 | 100 | NO |
| 25-2201 | 15 | 24 | 8 | 15 | 45 | 100 | NO |
| 25-2301 | 13 | 20 | 3 | 17 | 26 | 100 | NO |
| 25-3201 | 15 | 21 | 5 | 9 | 27 | 100 | NO |
| 25-3301 | 14 | 19 | 4 | 11 | 24 | 100 | NO |
| 25-P201 | 14 | 22 | 5 | 15 | 30 | 100 | NO |
| 25-P301 | 14 | 20 | 5 | 12 | 30 | 100 | NO |

| Survey Unit | # of Sample Locations | Mean | Standard Deviation | Min. | Max. | Investigation Level | Any Result Exceeding Investigation Level? |
|---|---|---|---|---|---|---|---|
| | | (gross cpm/100 cm$^2$) | | | | | |
| 25-R301 | 14 | 22 | 4 | 16 | 29 | 100 | NO |
| 26-2201 | 14 | 23 | 4 | 14 | 31 | 100 | NO |
| 26-2301 | 14 | 20 | 4 | 12 | 27 | 100 | NO |
| 26-3201 | 14 | 21 | 5 | 12 | 27 | 100 | NO |
| 26-3301 | 14 | 21 | 4 | 13 | 28 | 100 | NO |
| 26-P201 | 18 | 19 | 5 | 11 | 29 | 100 | NO |
| 26-P301 | 14 | 20 | 3 | 16 | 27 | 100 | NO |
| 26-R301 | 14 | 21 | 4 | 13 | 28 | 100 | NO |
| 28-G201 | 14 | 21 | 4 | 14 | 28 | 100 | NO |
| 28-G301 | 14 | 22 | 4 | 17 | 29 | 100 | NO |
| 28-1301 | 14 | 21 | 5 | 14 | 30 | 100 | NO |
| 28-2301 | 14 | 22 | 4 | 16 | 30 | 100 | NO |
| 28-3301 | 14 | 22 | 5 | 15 | 31 | 100 | NO |
| 28-P301 | 14 | 22 | 4 | 15 | 31 | 100 | NO |
| 30-G301 | 14 | 24 | 6 | 13 | 32 | 100 | NO |
| 30-1201 | 14 | 19 | 3 | 13 | 24 | 100 | NO |
| 30-1301 | 14 | 19 | 4 | 13 | 26 | 100 | NO |
| 35-B301 | 14 | 20 | 4 | 13 | 28 | 100 | NO |
| 35-G201 | 20 | 21 | 5 | 12 | 28 | 100 | NO |
| 35-G301 | 14 | 19 | 5 | 11 | 27 | 100 | NO |
| 35-1201 | 14 | 21 | 4 | 13 | 27 | 100 | NO |
| 35-1301 | 14 | 21 | 5 | 12 | 28 | 100 | NO |
| 35-P301 | 14 | 20 | 5 | 13 | 29 | 100 | NO |
| 36-1201 | 14 | 23 | 4 | 17 | 31 | 100 | NO |
| 36-1301 | 14 | 21 | 4 | 15 | 29 | 100 | NO |
| 36-P301 | 14 | 20 | 4 | 15 | 31 | 100 | NO |
| 60-G201 | 15 | 20 | 3 | 14 | 23 | 100 | NO |
| 60-G301 | 14 | 23 | 6 | 16 | 40 | 100 | NO |
| 60-1201 | 18 | 19 | 4 | 9 | 26 | 100 | NO |
| 60-1301 | 14 | 22 | 5 | 13 | 34 | 100 | NO |
| 60-P301 | 14 | 21 | 3 | 16 | 28 | 100 | NO |
| 60-R301 | 14 | 25 | 4 | 20 | 33 | 100 | NO |
| 73-G201 | 15 | 21 | 4 | 13 | 30 | 100 | NO |
| 90-G201 | 15 | 21 | 4 | 9 | 25 | 100 | NO |
| 520-G101 | 29 | 19 | 4 | 11 | 31 | 100 | NO |
| 520-G301 | 14 | 19 | 3 | 13 | 24 | 100 | NO |
| 550-G301 | 14 | 23 | 6 | 12 | 34 | 100 | NO |

**Table 22-4 Building Systems Removable $^3H$ Summary**

| Survey Unit | # of Sample Locations | Mean | Standard Deviation | Min. | Max. | Investigation Level | Any Result Exceeding Investigation Level? |
|---|---|---|---|---|---|---|---|
| | | (gross cpm/100 cm$^2$) | | | | | |
| 14-DR01 | 31 | 137 | 359 | 12 | 1669 | 100 | **YES** |
| 14-VA01 | 65 | 20 | 5 | 7 | 31 | 100 | NO |
| 14-VE01 | 48 | 19 | 4 | 12 | 30 | 100 | NO |
| 20-DR01 | 375 | 29 | 71 | 9 | 1182 | 100 | **YES** |
| 20-VA01 | 898 | 20 | 13 | 8 | 187 | 100 | **YES** |
| 20-VE01 | 782 | 22 | 11 | 9 | 176 | 100 | **YES** |
| 23-DR01 | 15 | 86 | 256 | 11 | 1011 | 100 | **YES** |
| 23-VA01 | 8 | 19 | 3 | 15 | 22 | 100 | NO |
| 25-DR01 | 354 | 93 | 475 | 9 | 6228 | 100 | **YES** |
| 25-VA01 | 335 | 23 | 29 | 8 | 472 | 100 | **YES** |
| 25-VE01 | 440 | 20 | 13 | 7 | 228 | 100 | **YES** |
| 26-DR01 | 150 | 30 | 114 | 10 | 1408 | 100 | **YES** |
| 26-VA01 | 224 | 19 | 6 | 6 | 67 | 100 | NO |
| 26-VE01 | 210 | 18 | 6 | 7 | 64 | 100 | NO |
| 28-DR01 | 118 | 19 | 5 | 8 | 32 | 100 | NO |
| 28-VA01 | 189 | 17 | 4 | 8 | 29 | 100 | NO |
| 28-VE01 | 172 | 18 | 4 | 9 | 32 | 100 | NO |
| 30-DR01 | 46 | 18 | 8 | 6 | 65 | 100 | NO |
| 30-VA01 | 49 | 27 | 44 | 0 | 309 | 100 | **YES** |
| 30-VE01 | 61 | 18 | 5 | 9 | 28 | 100 | NO |
| 35-DR01 | 21 | 21 | 5 | 11 | 31 | 100 | NO |
| 35-VA01 | 5 | 17 | 2 | 14 | 20 | 100 | NO |
| 35-VE01 | 24 | 21 | 5 | 8 | 30 | 100 | NO |
| 36-VA01 | 73 | 20 | 6 | 10 | 36 | 100 | NO |
| 36-VE01 | 176 | 19 | 4 | 11 | 31 | 100 | NO |
| 60-DR01 | 44 | 19 | 5 | 8 | 38 | 100 | NO |
| 60-VA01 | 13 | 16 | 5 | 10 | 23 | 100 | NO |
| 60-VE01 | 79 | 22 | 15 | 10 | 127 | 100 | **YES** |
| 90-DR01 | 2 | 17 | 7 | 12 | 22 | 100 | NO |
| 90-VE01 | 2 | 15 | 6 | 10 | 19 | 100 | NO |
| 520-DR01 | 108 | 19 | 5 | 6 | 32 | 100 | NO |
| 520-VA01 | 142 | 20 | 8 | 9 | 91 | 100 | NO |
| 520-VE01 | 117 | 20 | 8 | 10 | 79 | 100 | NO |

**Table 22-5 Building Systems Removable $^{14}C$ Summary**

| Survey Unit | # of Sample Locations | Mean | Standard Deviation | Min. | Max. | Investigation Level | Any Result Exceeding Investigation Level? |
|---|---|---|---|---|---|---|---|
| | | (gross cpm/100 cm$^2$) | | | | | |
| 14-DR01 | 31 | 37 | 53 | 13 | 272 | 100 | **YES** |
| 14-VA01 | 65 | 21 | 4 | 9 | 29 | 100 | NO |
| 14-VE01 | 48 | 20 | 3 | 12 | 30 | 100 | NO |
| 20-DR01 | 375 | 27 | 71 | 9 | 1189 | 100 | **YES** |
| 20-VA01 | 898 | 21 | 7 | 8 | 129 | 100 | **YES** |
| 20-VE01 | 782 | 21 | 11 | 7 | 165 | 100 | **YES** |
| 23-DR01 | 15 | 83 | 240 | 15 | 952 | 100 | **YES** |
| 23-VA01 | 8 | 20 | 3 | 13 | 24 | 100 | NO |
| 25-DR01 | 354 | 67 | 313 | 6 | 4733 | 100 | **YES** |
| 25-VA01 | 335 | 25 | 29 | 9 | 496 | 100 | **YES** |
| 25-VE01 | 440 | 21 | 12 | 9 | 190 | 100 | **YES** |
| 26-DR01 | 150 | 22 | 15 | 10 | 186 | 100 | **YES** |
| 26-VA01 | 224 | 21 | 6 | 10 | 83 | 100 | NO |
| 26-VE01 | 210 | 21 | 6 | 10 | 48 | 100 | NO |
| 28-DR01 | 118 | 19 | 4 | 8 | 34 | 100 | NO |
| 28-VA01 | 189 | 19 | 4 | 9 | 31 | 100 | NO |
| 28-VE01 | 172 | 21 | 5 | 10 | 43 | 100 | NO |
| 30-DR01 | 46 | 20 | 5 | 11 | 35 | 100 | NO |
| 30-VA01 | 49 | 22 | 16 | 0 | 125 | 100 | **YES** |
| 30-VE01 | 61 | 20 | 5 | 11 | 30 | 100 | NO |
| 35-DR01 | 21 | 20 | 5 | 13 | 30 | 100 | NO |
| 35-VA01 | 5 | 18 | 5 | 13 | 23 | 100 | NO |
| 35-VE01 | 24 | 21 | 5 | 11 | 28 | 100 | NO |
| 36-VA01 | 73 | 21 | 4 | 12 | 31 | 100 | NO |
| 36-VE01 | 176 | 19 | 4 | 10 | 31 | 100 | NO |
| 60-DR01 | 44 | 21 | 5 | 13 | 31 | 100 | NO |
| 60-VA01 | 13 | 19 | 6 | 10 | 26 | 100 | NO |
| 60-VE01 | 79 | 21 | 5 | 12 | 34 | 100 | NO |
| 90-DR01 | 2 | 14 | 0 | 14 | 14 | 100 | NO |
| 90-VE01 | 2 | 16 | 8 | 10 | 21 | 100 | NO |
| 520-DR01 | 108 | 19 | 4 | 10 | 32 | 100 | NO |
| 520-VA01 | 142 | 20 | 5 | 10 | 34 | 100 | NO |
| 520-VE01 | 117 | 21 | 6 | 9 | 74 | 100 | NO |

## 22.2 Determining Compliance for Building Surfaces and Structures

Survey results were initially compared to the investigation levels. All total activity results and C-14 removable activity results on building structural surfaces were less than the investigation levels. Two survey units, 35-1301 and 520-G301, each had one measurement above the investigation level for removable H-3 activity (203 and 113 gross cpm/100cm$^2$). The investigation revealed that these measurements were less than the ALARA goal and no action was required.

The Sign test is used to determine the minimum number of sample locations. Because all measurements are less than the DCGL, all survey units pass the Sign Test. Therefore, the null hypothesis can be rejected and all survey units meet the release criterion and are suitable for release for unrestricted use.

The results of the data quality assessment and calculations of the dose from each structural surface survey unit are presented in Table 22-6.

**Table 22-6 Structural Surfaces Total Beta Surface Activity Dose Calculations**

| Survey Unit | Standard Deviation (dpm/100 cm$^2$) | # Samples Required | # of Samples | Adequate # of Samples? | Mean (dpm/100 cm$^2$) | Calculated Annual TEDE[12] (mrem/yr) |
|---|---|---|---|---|---|---|
| 14-G301 | 162 | 11 | 14 | YES | 194 | 2.6E-03 |
| 14-1201 | 164 | 11 | 14 | YES | 306 | 4.1E-03 |
| 14-1301 | 439 | 11 | 16 | YES | 481 | 6.5E-03 |
| 14-P301 | 424 | 11 | 14 | YES | 617 | 8.3E-03 |
| 14-R301 | 228 | 11 | 14 | YES | 721 | 9.7E-03 |
| 20-G201 | 323 | 11 | 14 | YES | 257 | 3.5E-03 |
| 20-G301 | 380 | 11 | 14 | YES | 221 | 3.0E-03 |
| 20-1201 | 126 | 22 | 29 | YES | 290 | 3.9E-03 |
| 20-1301 | 329 | 11 | 14 | YES | 457 | 6.2E-03 |
| 20-2201 | 160 | 22 | 28 | YES | 330 | 4.5E-03 |
| 20-2301 | 238 | 11 | 15 | YES | 175 | 2.4E-03 |
| 20-3201 | 206 | 22 | 29 | YES | 376 | 5.1E-03 |
| 20-3301 | 365 | 11 | 14 | YES | 516 | 7.0E-03 |

[12] The TEDE shown is calculated by multiplying 25 mrem/yr by the ratio of the mean total surface activity to the C-14 DCGL of 3.7E6 dpm/100cm$^2$ and then multiplying by 2 to account for the ISO 7503-1 surface efficiency. See Section 16.5 for a discussion of efficiency determinations.

| Survey Unit | Standard Deviation (dpm/100 cm$^2$) | # Samples Required | # of Samples | Adequate # of Samples? | Mean (dpm/100 cm$^2$) | Calculated Annual TEDE[12] (mrem/yr) |
|---|---|---|---|---|---|---|
| 20-P301 | 192 | 11 | 14 | YES | 1034 | 1.4E-02 |
| 23-G201 | 449 | 11 | 14 | YES | 233 | 3.1E-03 |
| 23-G301 | 188 | 11 | 14 | YES | 173 | 2.3E-03 |
| 25-G201 | 220 | 11 | 18 | YES | 424 | 5.7E-03 |
| 25-G301 | 332 | 11 | 14 | YES | 664 | 9.0E-03 |
| 25-1101 | 209 | 11 | 15 | YES | 413 | 5.6E-03 |
| 25-1201 | 156 | 11 | 14 | YES | 340 | 4.6E-03 |
| 25-1301 | 489 | 11 | 14 | YES | 741 | 1.0E-02 |
| 25-2201 | 256 | 11 | 15 | YES | 561 | 7.6E-03 |
| 25-2301 | 154 | 11 | 13 | YES | 406 | 5.5E-03 |
| 25-3201 | 121 | 11 | 15 | YES | 85 | 1.1E-03 |
| 25-3301 | 192 | 11 | 14 | YES | 106 | 1.4E-03 |
| 25-P201 | 594 | 11 | 14 | YES | 1118 | 1.5E-02 |
| 25-P301 | 317 | 11 | 14 | YES | 384 | 5.2E-03 |
| 25-R301 | 150 | 11 | 14 | YES | 511 | 6.9E-03 |
| 26-2201 | 144 | 11 | 14 | YES | 151 | 2.0E-03 |
| 26-2301 | 650 | 11 | 14 | YES | 183 | 2.5E-03 |
| 26-3201 | 65 | 11 | 14 | YES | 27 | 3.6E-04 |
| 26-3301 | 813 | 11 | 14 | YES | 251 | 3.4E-03 |
| 26-P201 | 158 | 11 | 18 | YES | 877 | 1.2E-02 |
| 26-P301 | 162 | 11 | 14 | YES | 450 | 6.1E-03 |
| 26-R301 | 196 | 11 | 14 | YES | 615 | 8.3E-03 |
| 28-G201 | 380 | 11 | 14 | YES | 335 | 4.5E-03 |
| 28-G301 | 170 | 11 | 14 | YES | 382 | 5.2E-03 |
| 28-1301 | 409 | 11 | 14 | YES | 516 | 7.0E-03 |
| 28-2301 | 126 | 11 | 14 | YES | 349 | 4.7E-03 |
| 28-3301 | 156 | 11 | 14 | YES | 432 | 5.8E-03 |
| 28-P301 | 455 | 11 | 14 | YES | 203 | 2.7E-03 |
| 30-G301 | 170 | 11 | 14 | YES | 119 | 1.6E-03 |

| Survey Unit | Standard Deviation (dpm/100 cm$^2$) | # Samples Required | # of Samples | Adequate # of Samples? | Mean (dpm/100 cm$^2$) | Calculated Annual TEDE[12] (mrem/yr) |
|---|---|---|---|---|---|---|
| 30-1201 | 228 | 11 | 14 | YES | -292 | -3.9E-03 |
| 30-1301 | 271 | 11 | 14 | YES | 168 | 2.3E-03 |
| 35-B301 | 257 | 11 | 14 | YES | 232 | 3.1E-03 |
| 35-G201 | 156 | 11 | 20 | YES | 111 | 1.5E-03 |
| 35-G301 | 192 | 11 | 14 | YES | 134 | 1.8E-03 |
| 35-1201 | 457 | 11 | 14 | YES | 572 | 7.7E-03 |
| 35-1301 | 405 | 11 | 14 | YES | 291 | 3.9E-03 |
| 35-P301 | 242 | 11 | 14 | YES | 183 | 2.5E-03 |
| 36-1201 | 145 | 11 | 14 | YES | 168 | 2.3E-03 |
| 36-1301 | 174 | 11 | 14 | YES | 394 | 5.3E-03 |
| 36-P301 | 181 | 11 | 14 | YES | 807 | 1.1E-02 |
| 60-G201 | 124 | 11 | 15 | YES | 40 | 5.4E-04 |
| 60-G301 | 234 | 11 | 14 | YES | 311 | 4.2E-03 |
| 60-1201 | 326 | 11 | 18 | YES | 599 | 8.1E-03 |
| 60-1301 | 385 | 11 | 14 | YES | 385 | 5.2E-03 |
| 60-P301 | 426 | 11 | 14 | YES | 757 | 1.0E-02 |
| 60-R301 | 249 | 11 | 14 | YES | 629 | 8.5E-03 |
| 73-G201 | 152 | 11 | 15 | YES | 963 | 1.3E-02 |
| 90-G201 | 504 | 11 | 15 | YES | 770 | 1.0E-02 |
| 520-G101 | 359 | 11 | 29 | YES | -219 | -3.0E-03 |
| 520-G301 | 172 | 11 | 14 | YES | 300 | 4.1E-03 |
| 550-G301 | 320 | 11 | 14 | YES | 191 | 2.6E-03 |
| | | | | | **Maximum:** | **1.5E-02** |

## 22.3 Determining Compliance for Building Systems

All removable surface activity measurements were compared directly to the investigation levels to determine if an area required further examination. The geometry of building systems precluded scanning and total activity measurements. Ten drain system survey units, six vacuum system survey units and five ventilation system survey units had removable activity measurements exceeding the investigation levels. The highest result in

any channel for the drain systems is 6228 gross cpm/100cm$^2$. The highest result in any channel for the ventilation and vacuum systems is 496 gross cpm/100cm$^2$. The investigations revealed that all measurements were less than the applicable ALARA goal (37,000 dpm/100cm$^2$ for drain systems and 1,000 dpm/100cm$^2$ for vacuum and ventilation systems) and no action was required. Therefore, all systems survey units meet the release criteria and are suitable for release.

## 23.0 Quality Assurance Surveys

Quality assurance surveys consisted of re-performing the entire FSS protocol for a subset of survey units to achieve a minimum of 5% duplication. Areas were selected based on classification, characterization results and location on site. Upgraded survey units (25-1101 and 520-1101) and surrounding areas were selected due to contamination history. Building 28 ground floor survey units were selected because of contamination history and remoteness from the other QA survey units. After the selection process was complete, a verification process ensured the minimum 5% was achieved. In all QA survey units, data were similar to FSS data and the conclusions were the same.

### 23.1 QA Survey Results

The conclusions reached based on QA surveys would be the same as those based on the initial surveys. QA survey results are presented in Appendix G and are summarized in the tables below.

**Table 23-1 QA Survey Building Structural Surfaces Total Activity Summary**

| Survey Unit | # of Sample Locations | Mean | MDC | Standard Deviation | Min. | Max. | Investigation Level | Any Result Exceeding Investigation Level? |
|---|---|---|---|---|---|---|---|---|
| | | (dpm/100 cm$^2$) | | | | | | |
| 25-1101 | 15 | 162 | 646 | 206 | -85 | 609 | 5,000 | NO |
| 25-1201 | 14 | 157 | 646 | 181 | -262 | 372 | 5,000 | NO |
| 25-1301 | 15 | 420 | 646 | 461 | -59 | 1496 | 5,000 | NO |
| 28-G201 | 14 | 240 | 655 | 258 | 17 | 820 | 5,000 | NO |
| 28-G301 | 14 | 187 | 643 | 169 | -101 | 448 | 5,000 | NO |
| 520-G101 | 29 | 283 | 498 | 511 | -439 | 1131 | 5,000 | NO |
| 520-G301 | 14 | 381 | 475 | 236 | 123 | 1066 | 5,000 | NO |

**Table 23-2 QA Survey Building Structural Surfaces Removable $^{3}H$ Summary**

| Survey Unit | # of Sample Locations | Mean | Standard Deviation | Min. | Max. | Investigation Level | Any Result Exceeding Investigation Level? |
|---|---|---|---|---|---|---|---|
| | | (gross cpm/100 cm$^2$) | | | | | |
| 25-1101 | 15 | 18 | 3 | 10 | 22 | 100 | NO |
| 25-1201 | 14 | 17 | 5 | 10 | 24 | 100 | NO |
| 25-1301 | 15 | 17 | 4 | 12 | 25 | 100 | NO |
| 28-G201 | 14 | 18 | 4 | 12 | 25 | 100 | NO |
| 28-G301 | 14 | 21 | 5 | 10 | 29 | 100 | NO |
| 520-G101 | 29 | 18 | 4 | 10 | 25 | 100 | NO |
| 520-G301 | 14 | 17 | 6 | 8 | 30 | 100 | NO |

**Table 23-3 QA Survey Building Structural Surfaces Removable $^{14}C$ Summary**

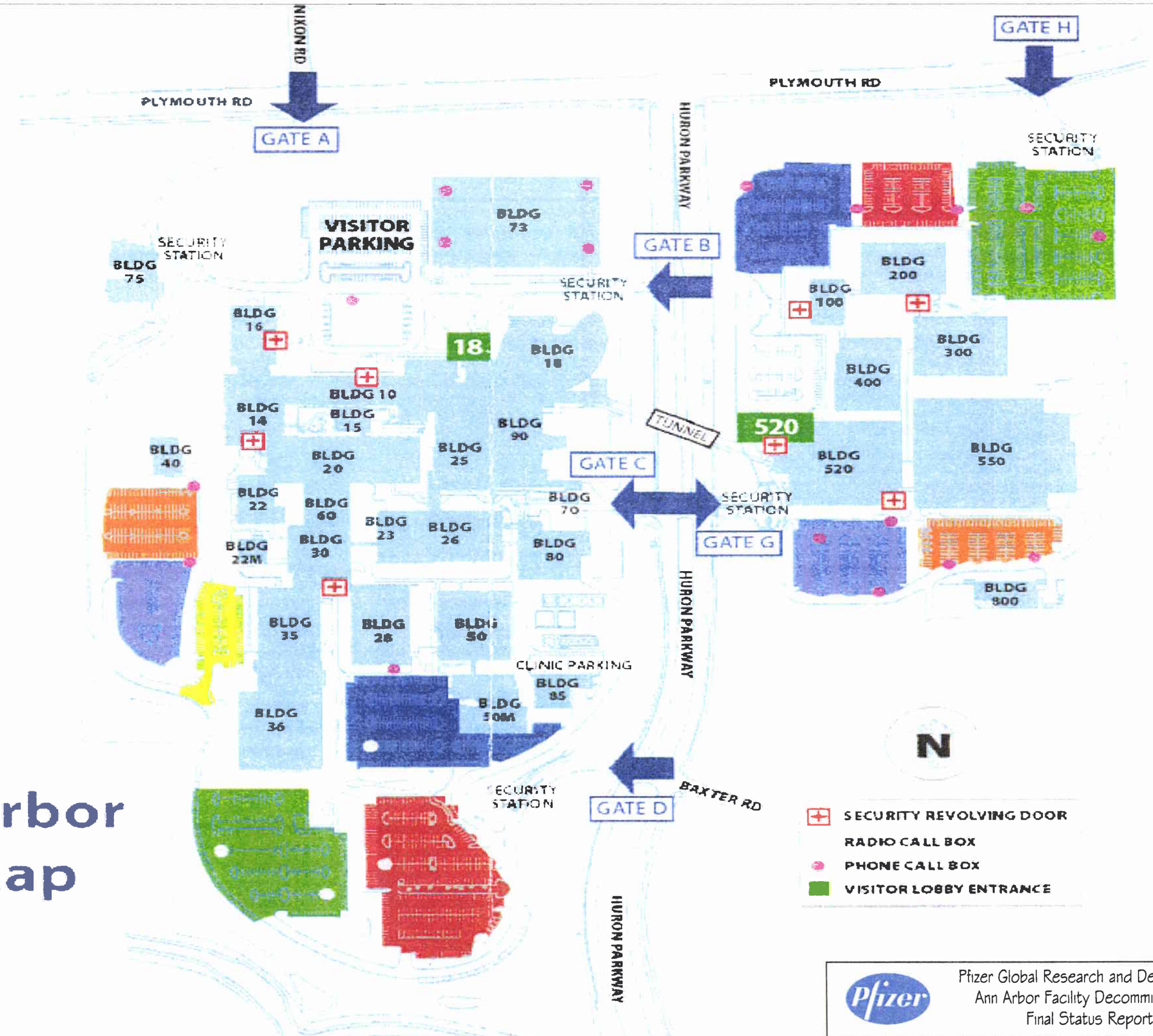
| Survey Unit | # of Sample Locations | Mean | Standard Deviation | Min. | Max. | Investigation Level | Any Result Exceeding Investigation Level? |
|---|---|---|---|---|---|---|---|
| | | (gross cpm/100 cm$^2$) | | | | | |
| 25-1101 | 15 | 20 | 5 | 13 | 26 | 100 | NO |
| 25-1201 | 14 | 19 | 6 | 13 | 33 | 100 | NO |
| 25-1301 | 15 | 21 | 4 | 11 | 27 | 100 | NO |
| 28-G201 | 14 | 21 | 5 | 14 | 29 | 100 | NO |
| 28-G301 | 14 | 21 | 5 | 14 | 29 | 100 | NO |
| 520-G101 | 29 | 21 | 4 | 11 | 28 | 100 | NO |
| 520-G301 | 14 | 23 | 6 | 13 | 30 | 100 | NO |

## 24.0 References


- NRC Regulations 10 CFR 20 Subpart E
- NUREG-1575, "Multi-Agency Radiation Survey and Site Investigation Manual" (MARSSIM)
- NUREG-1505, "A Nonparametric Statistical Methodology for the Design and Analysis of Final Decommissioning Surveys"
- NUREG 1507, "Minimum Detectable Concentrations with Typical Radiation Survey Instruments for Various Contaminants and Field Conditions"
- NUREG 1757, Volume 1 "Consolidated NMSS Decommissioning Guidance," September, 2002
- USNRC Policy and Guidance Directive FC 83-23, "Guidelines for the Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Byproduct, Source, or Special Nuclear Material Licenses."

- ISO-7503-1, "Evaluation of Surface Contamination – Part 1: Beta Emitters and Alpha Emitters." 1988
- Pfizer Ann Arbor Site Decommissioning Work Plan
- Pfizer Ann Arbor Site Decommissioning Quality Assurance Project Plan
- Pfizer Ann Arbor Site Decommissioning Health and Safety Plan
- Pfizer Radioactive Materials License Number 21-01443-06
- Michigan DEQ Registration Number 393-1

# Ann Arbor Site Map

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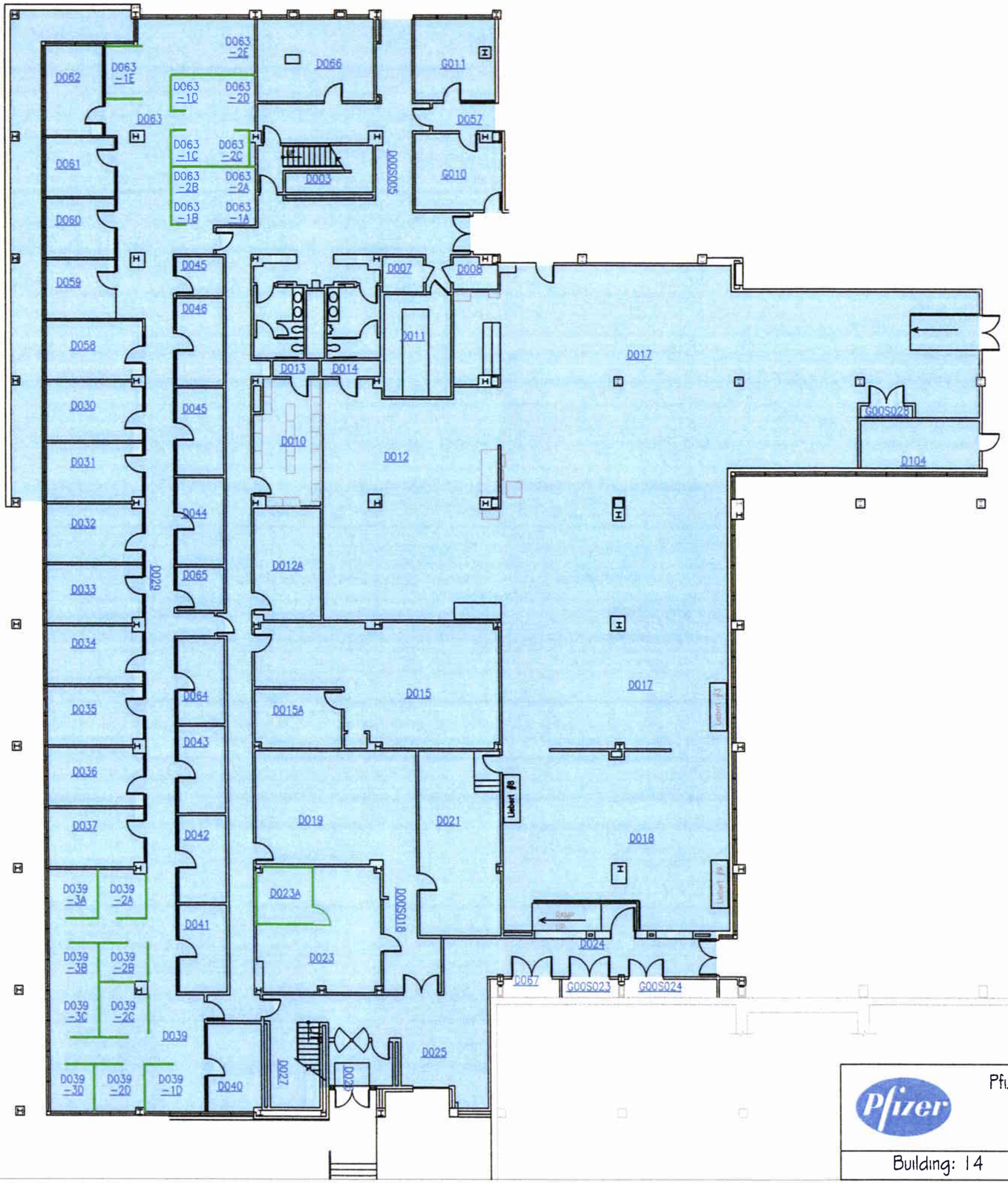


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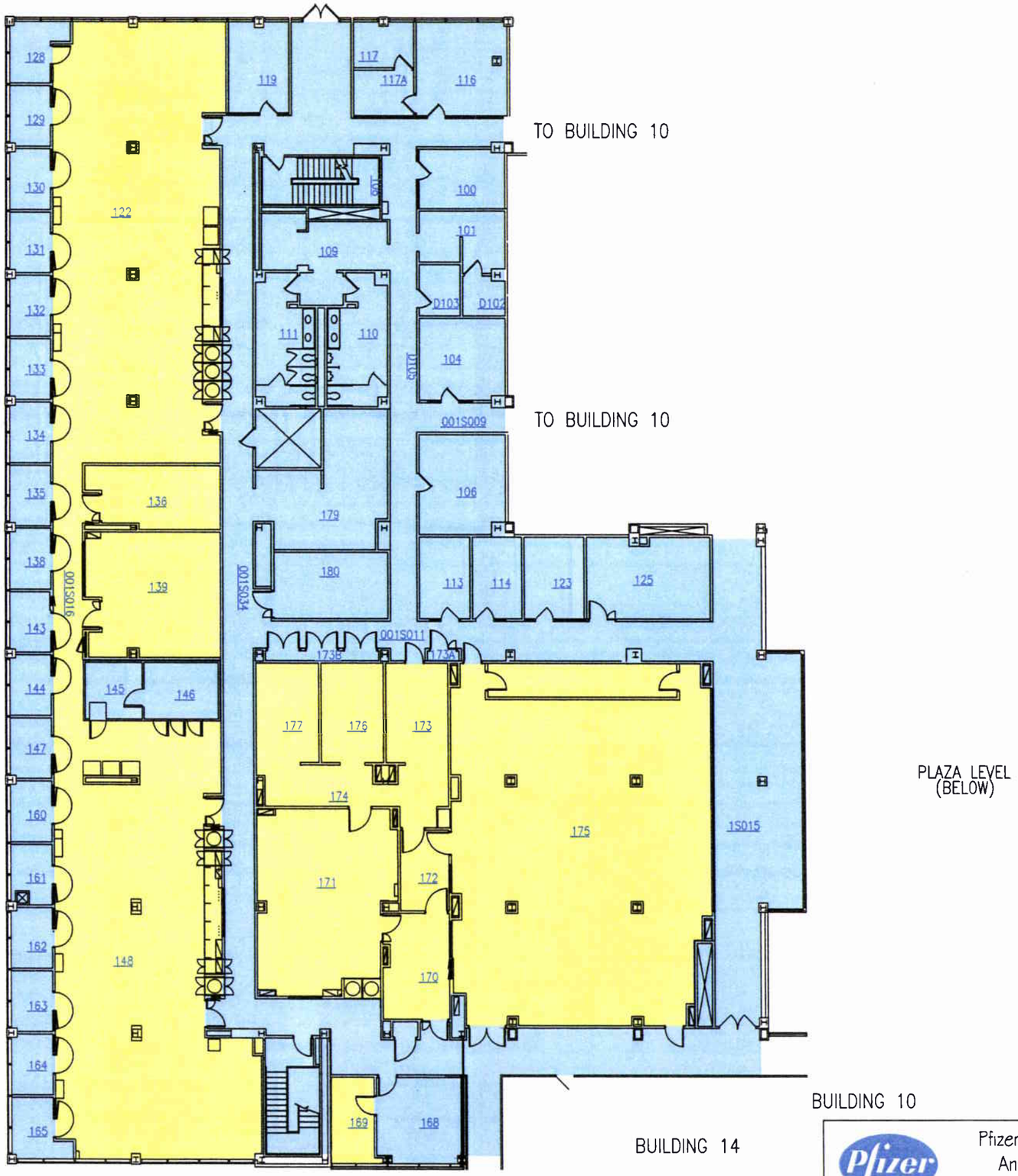


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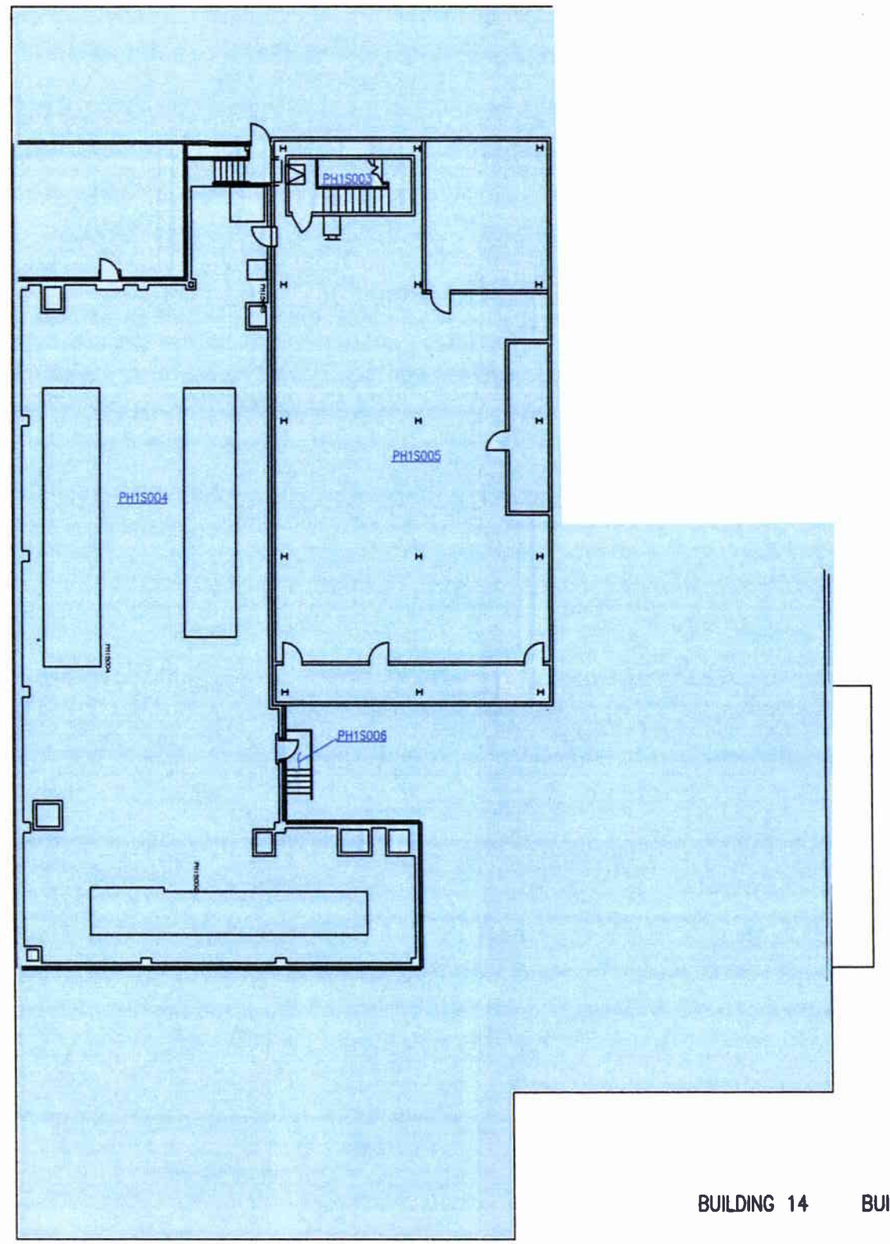
BUILDING 14 BUILDING 10




BUILDING 14 BUILDING 10

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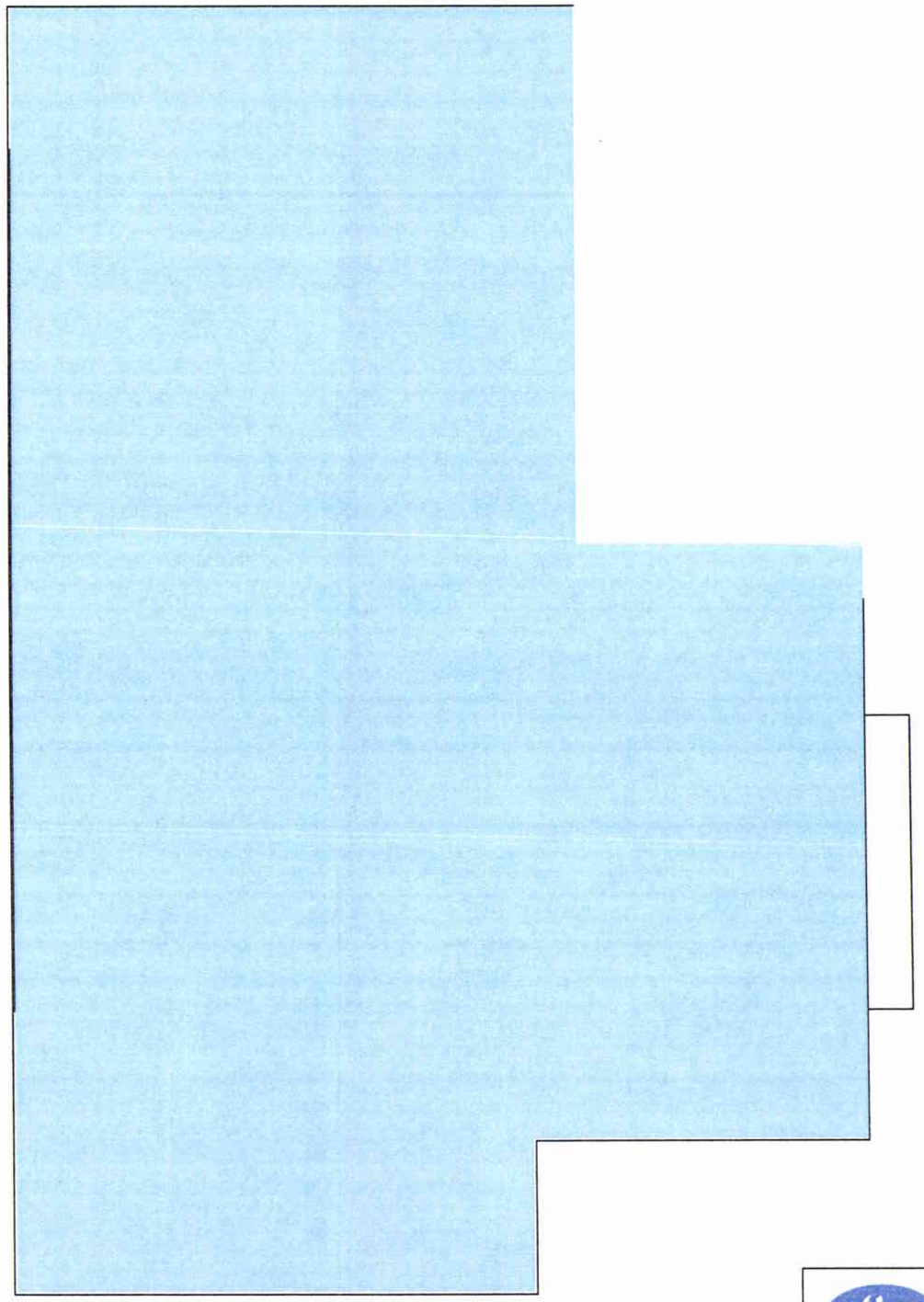

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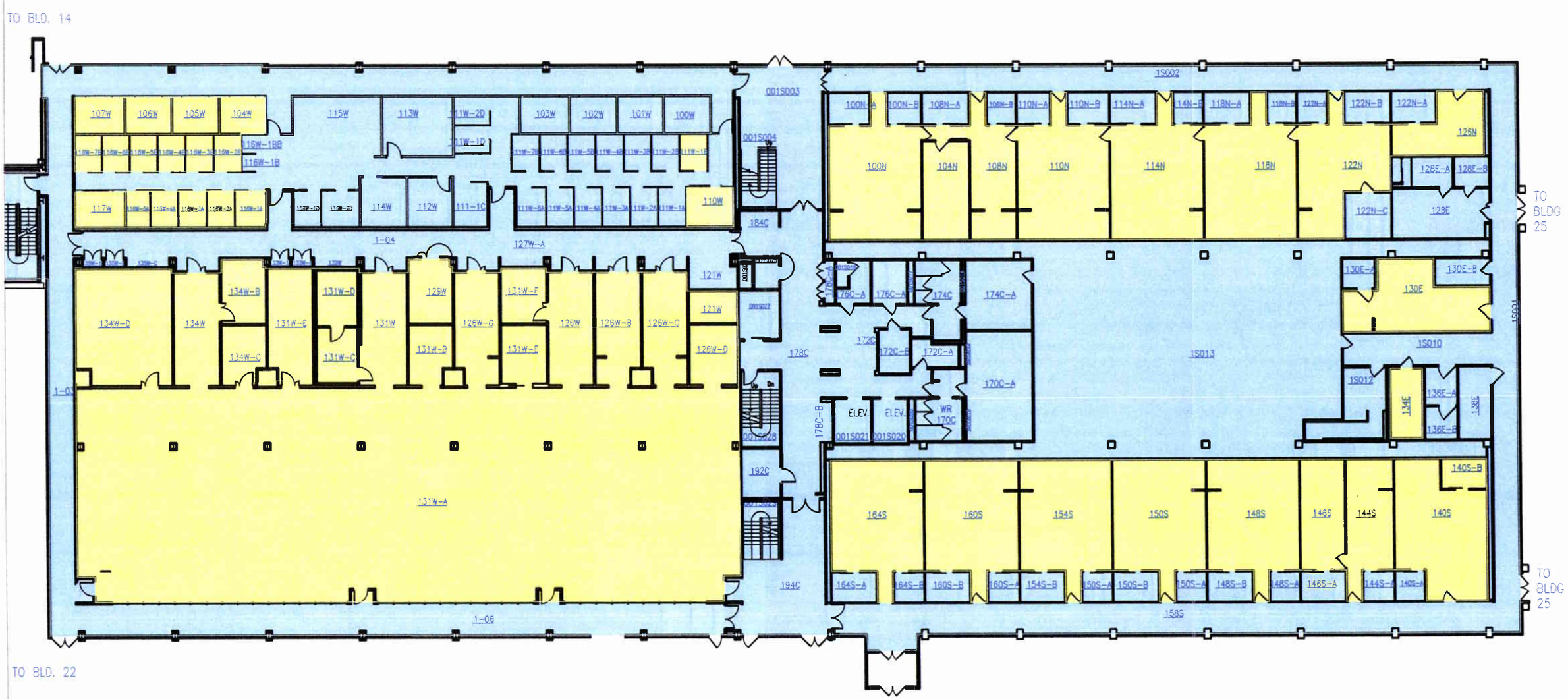


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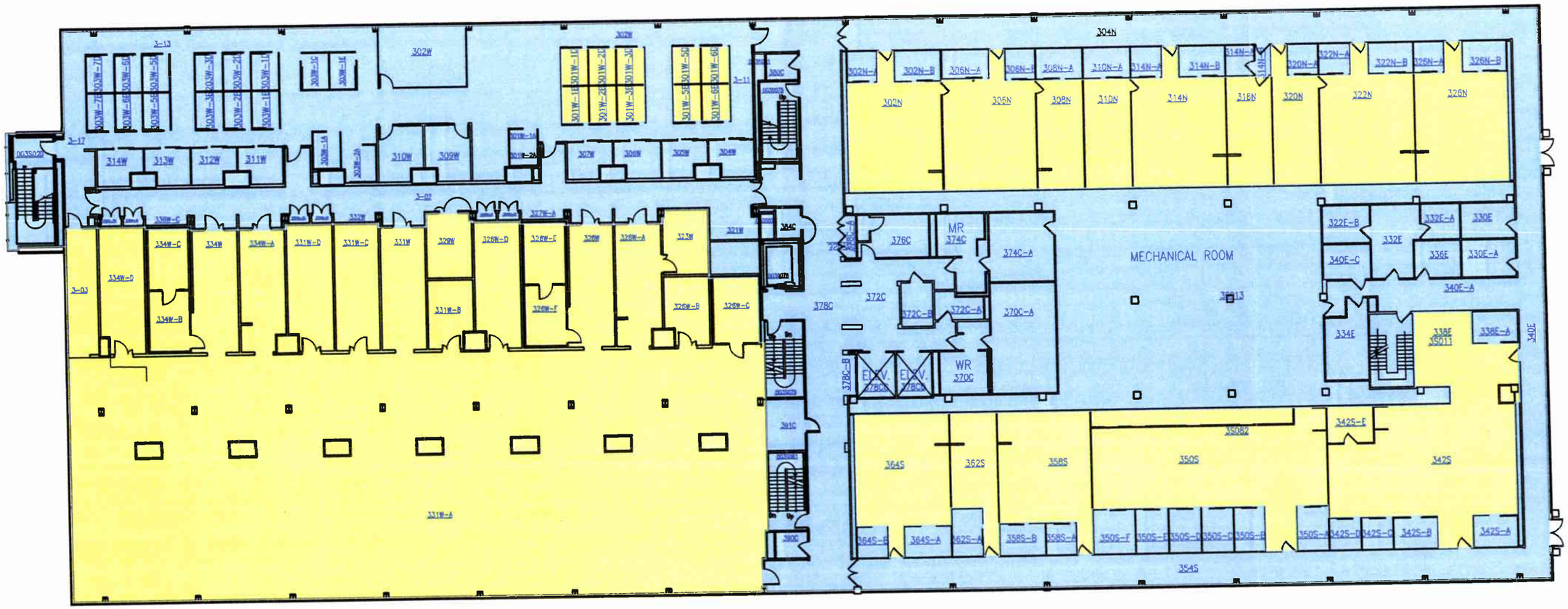


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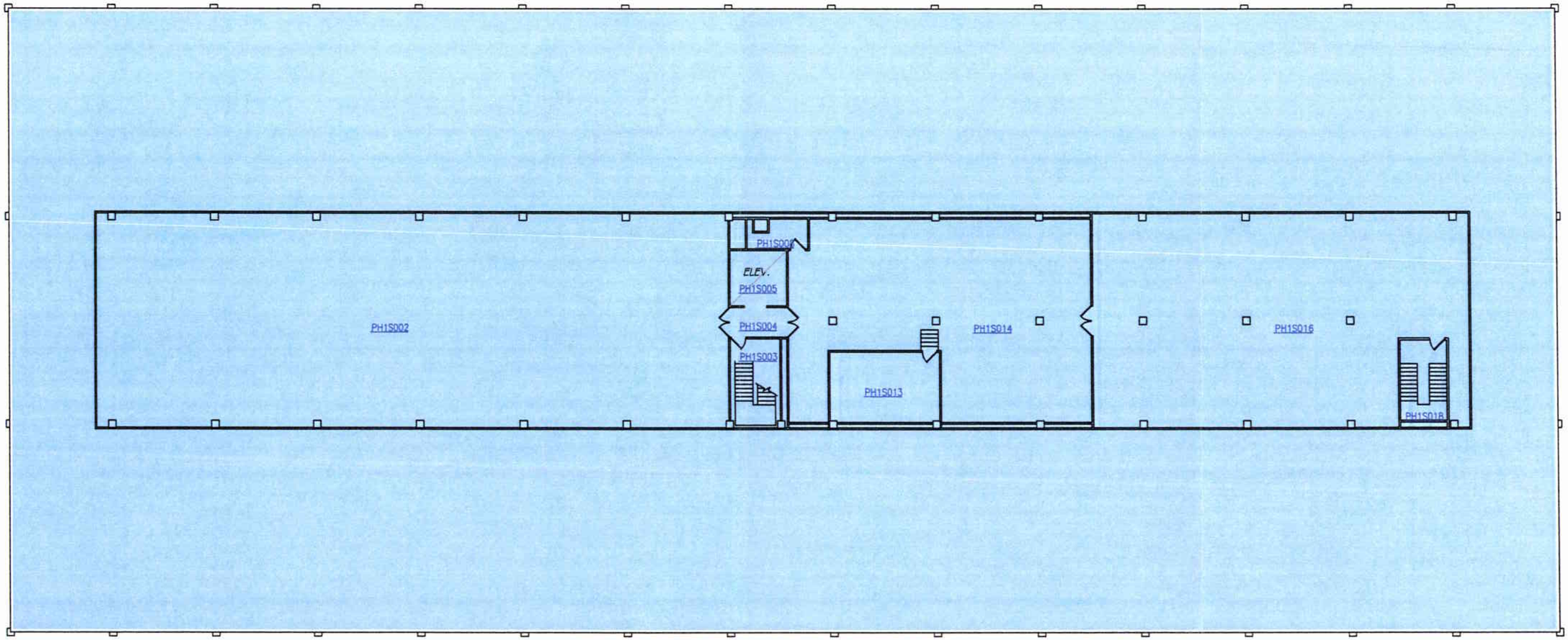


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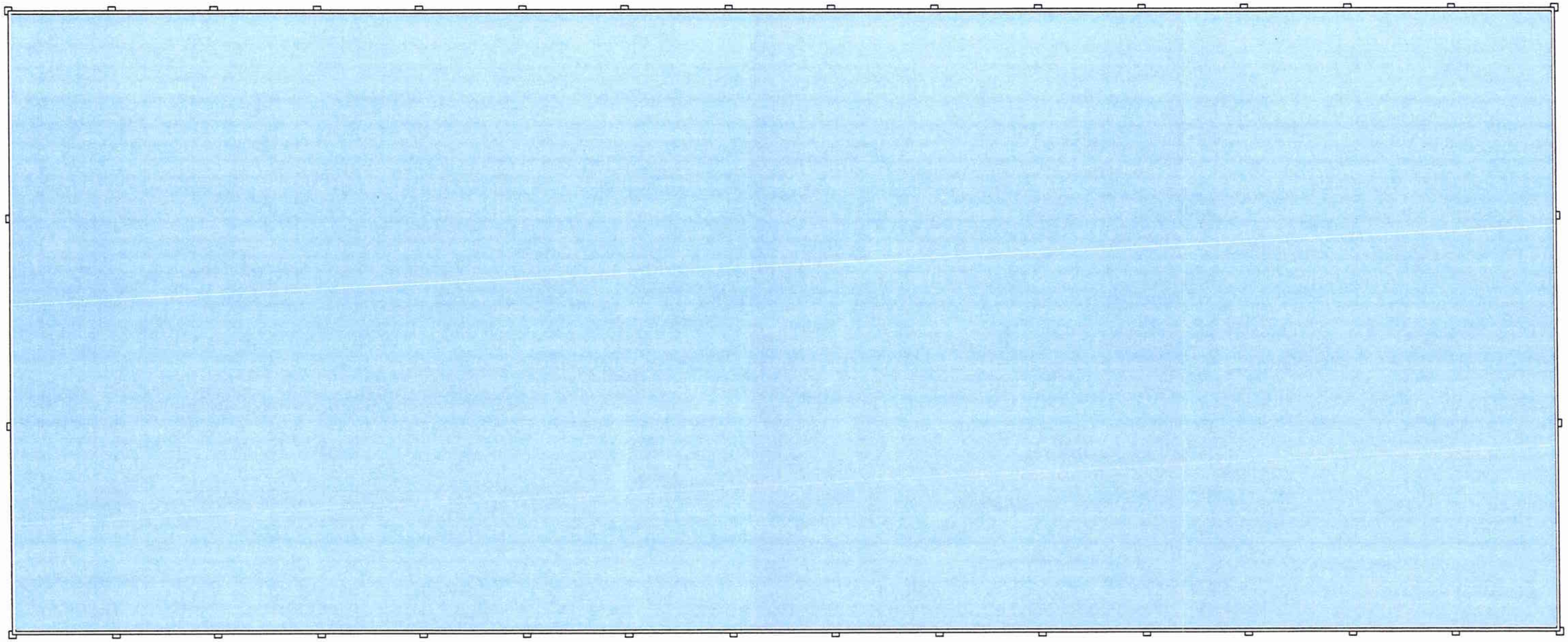

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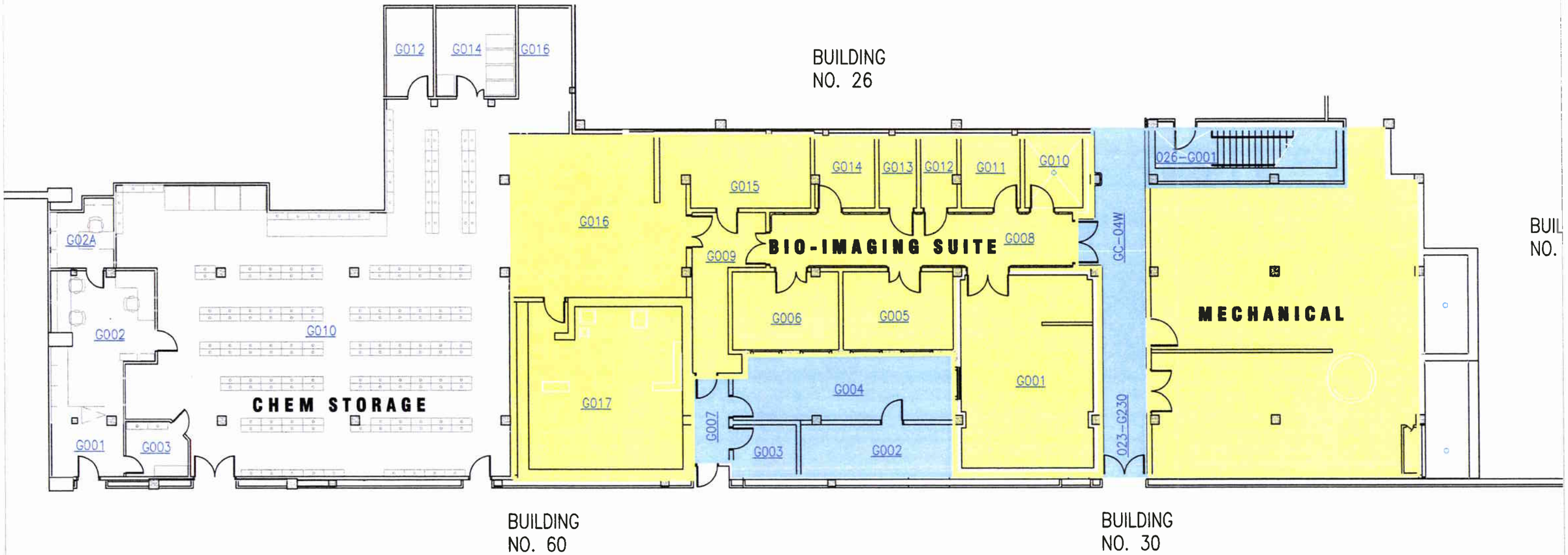


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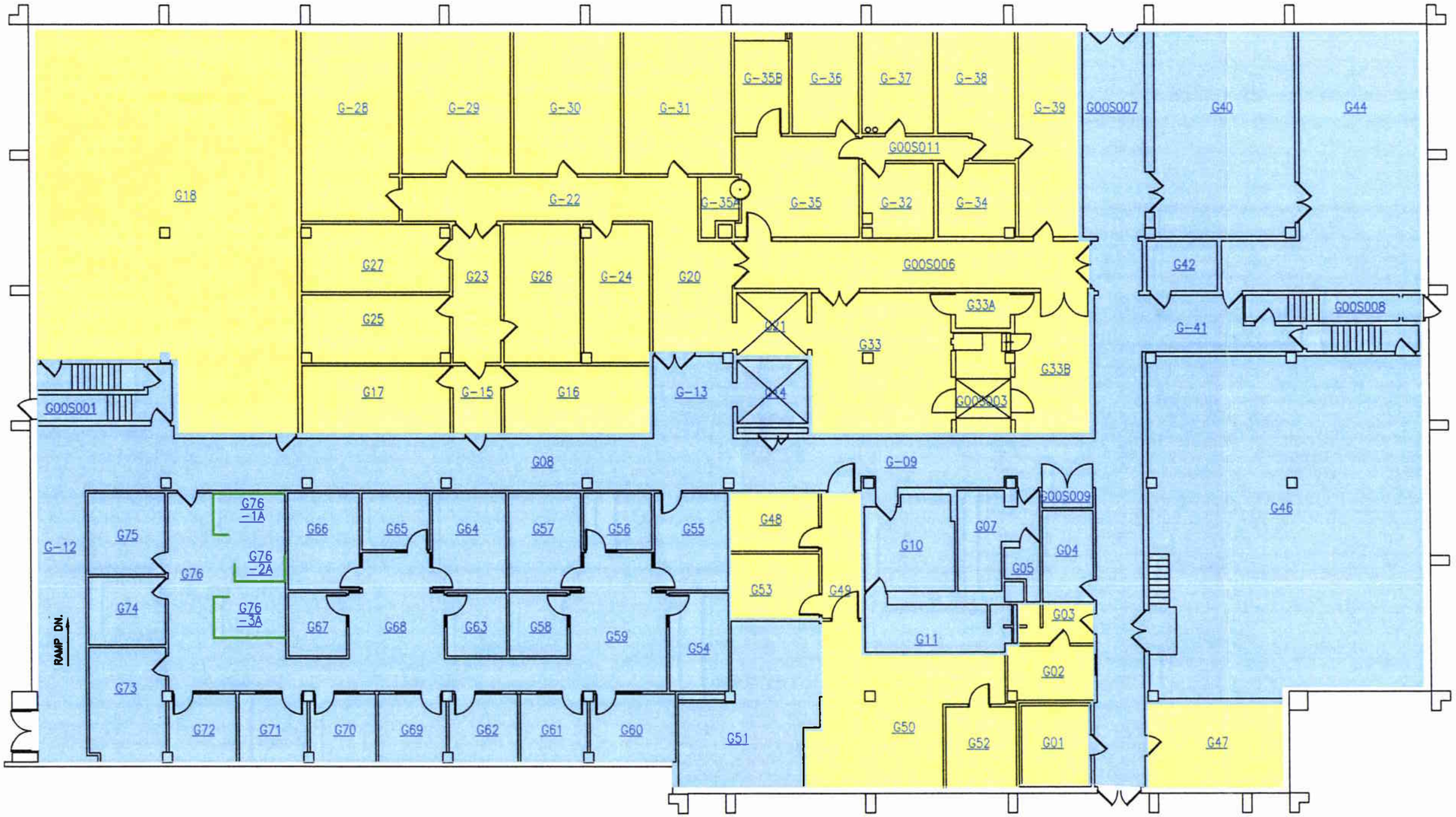


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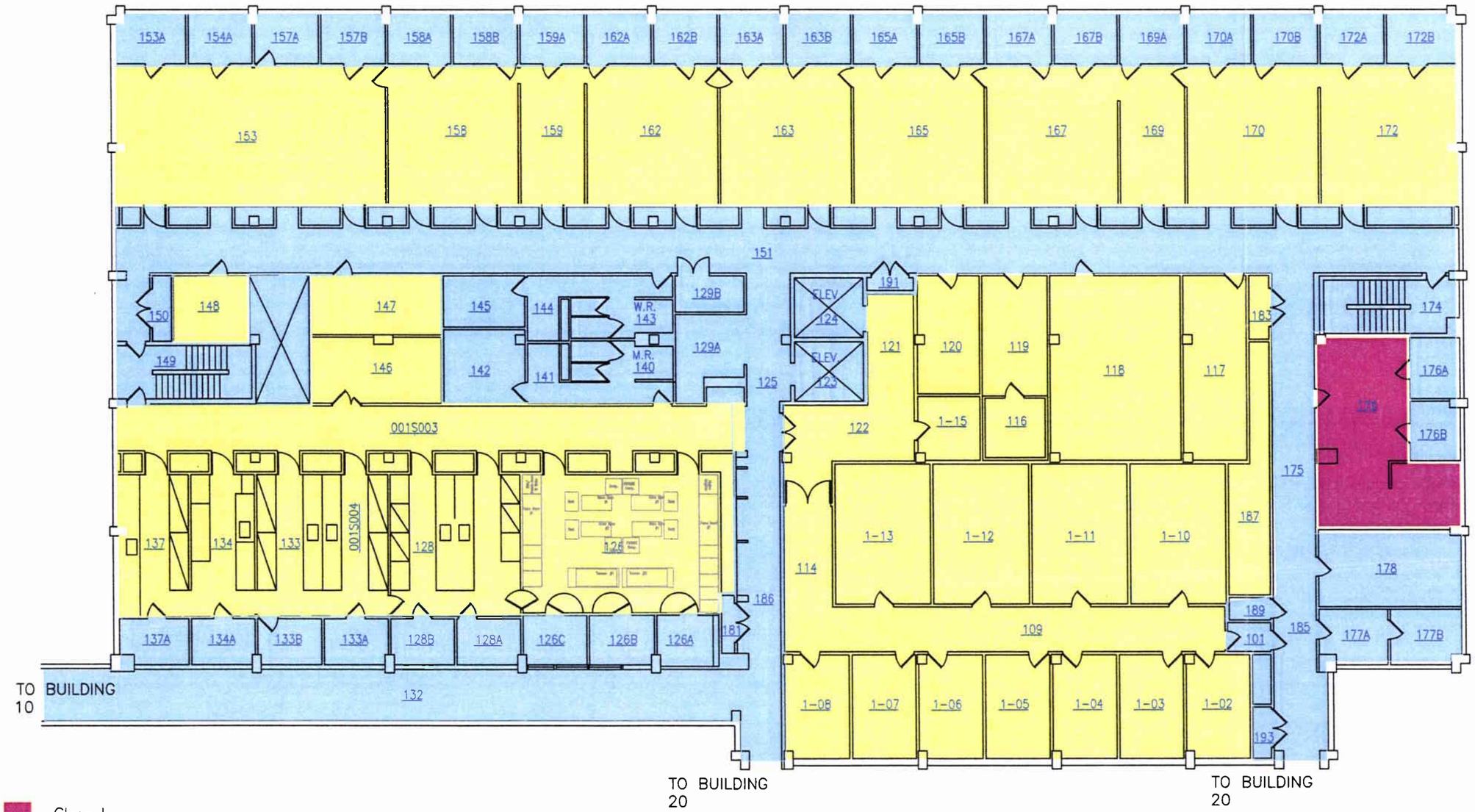


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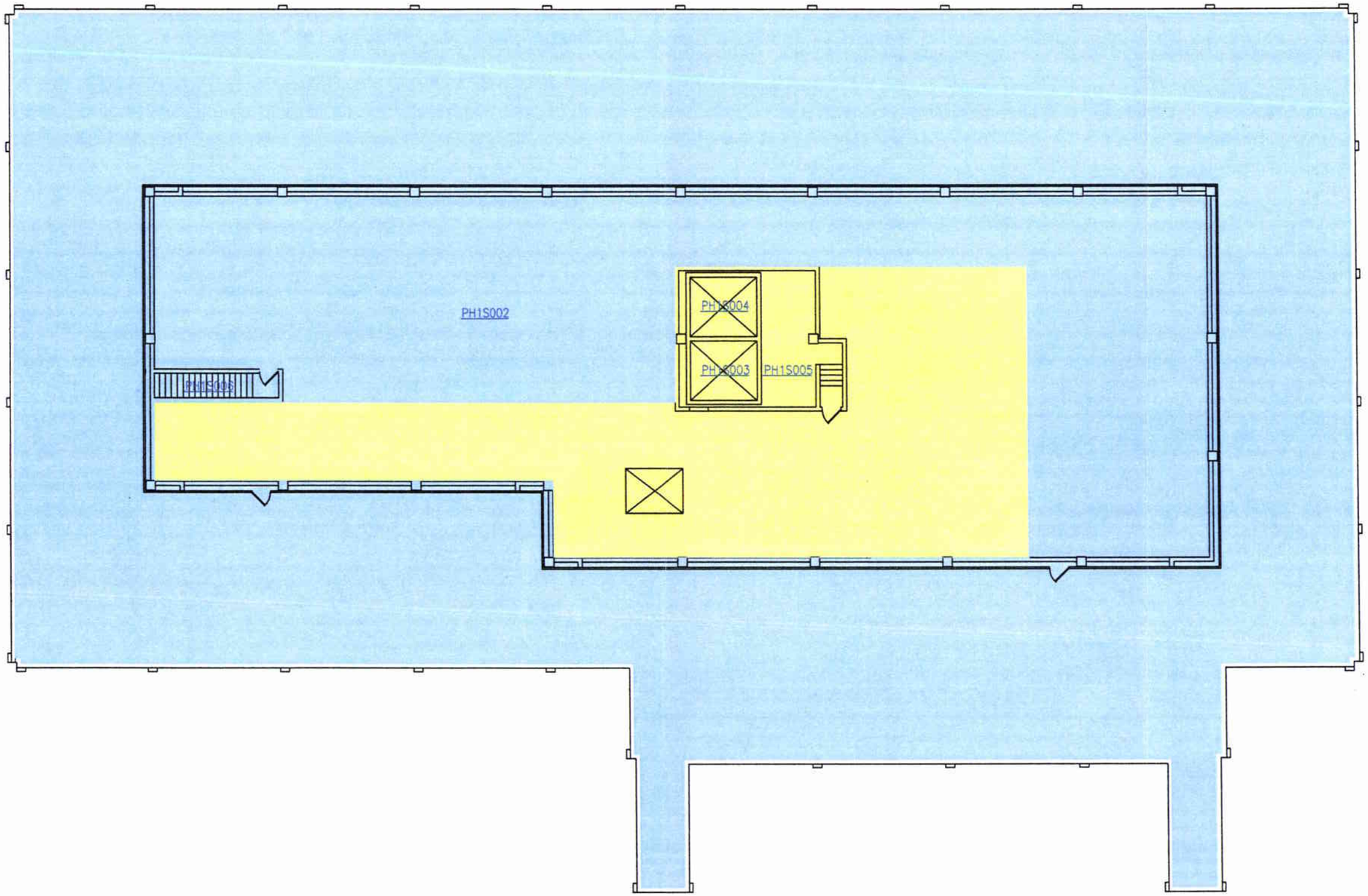


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| Building: 25 | Elevation: 4 | Page: B.16 of B.43 |
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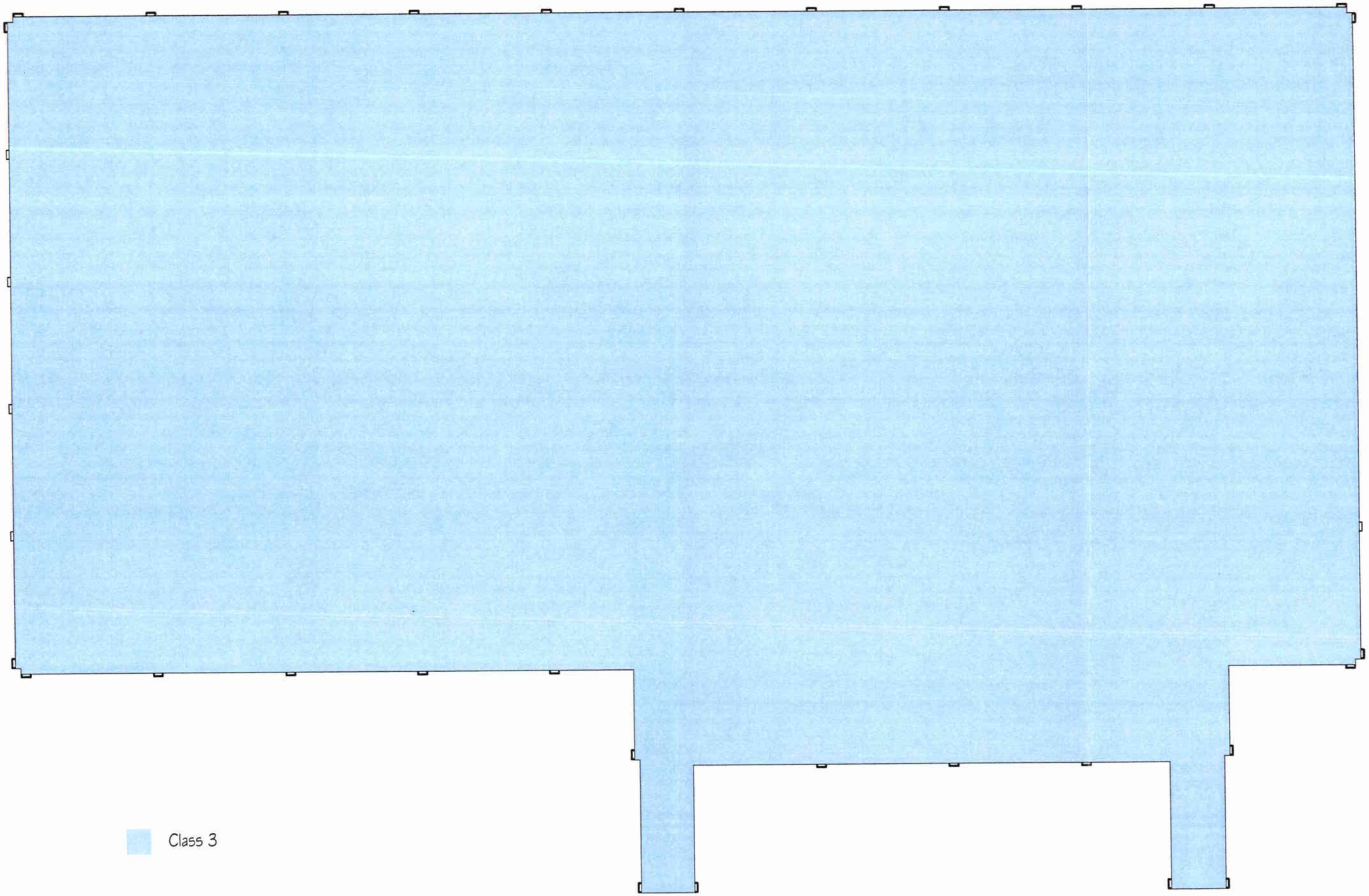
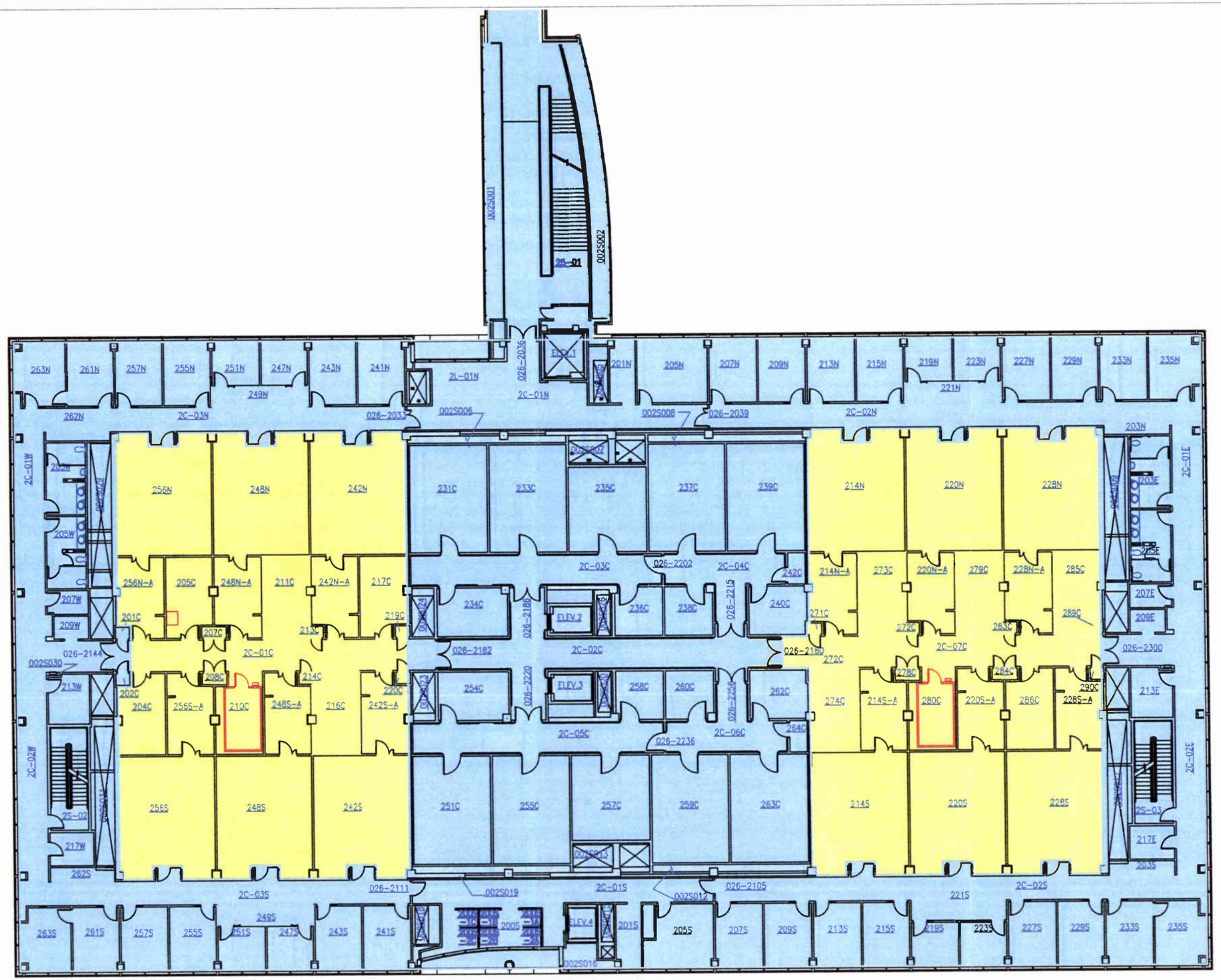



Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 25 | Elevation: R | Page: B.17 of B.43 |
|---|---|---|




Class 2

Class 3

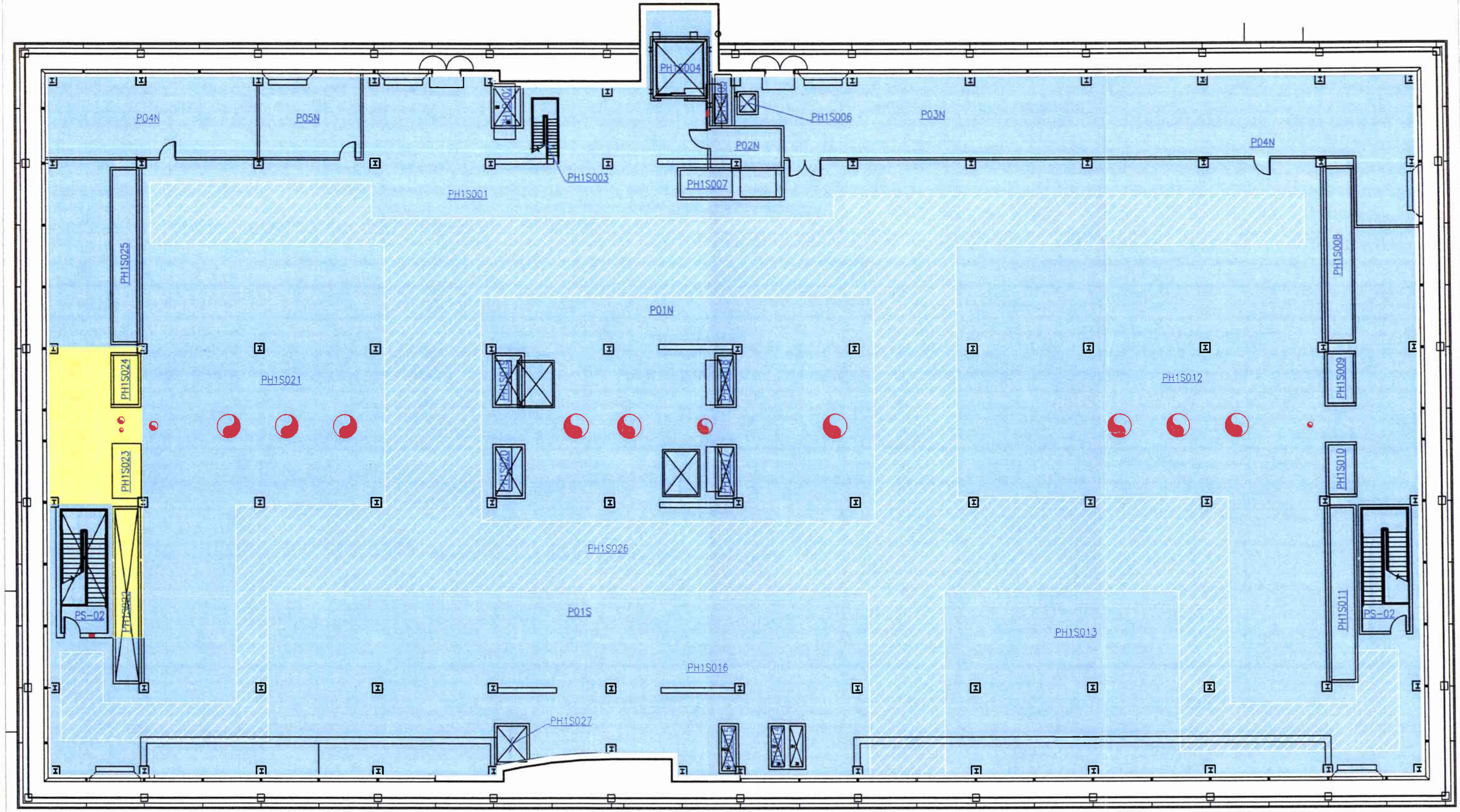
Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 26 | Elevation: 2 | Page: B.18 of B.43 |
|---|---|---|

Class 2

Class 3

| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 26 | Elevation: 3 | Page: B.19 of B.43 |

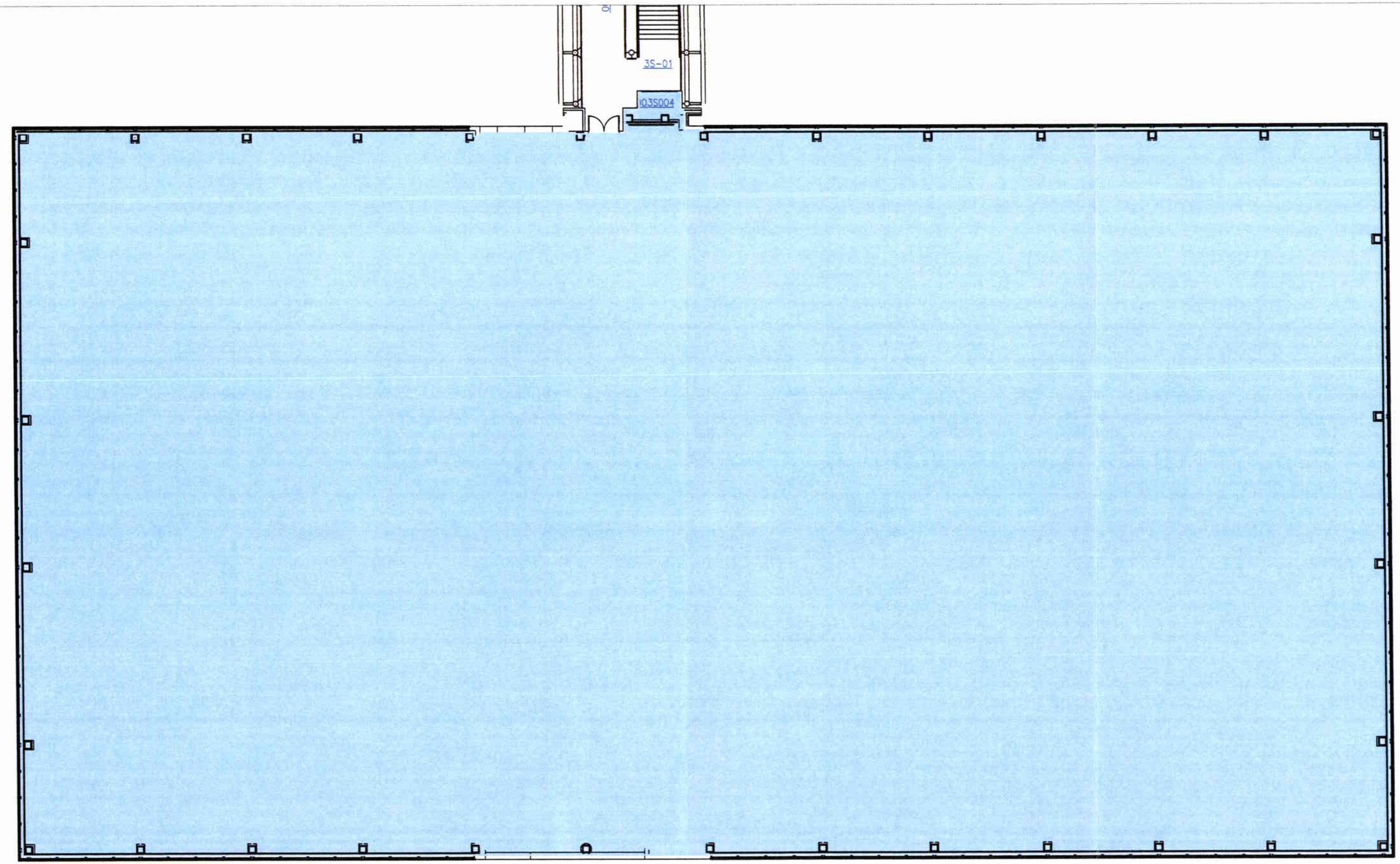



Class 2

Class 3

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

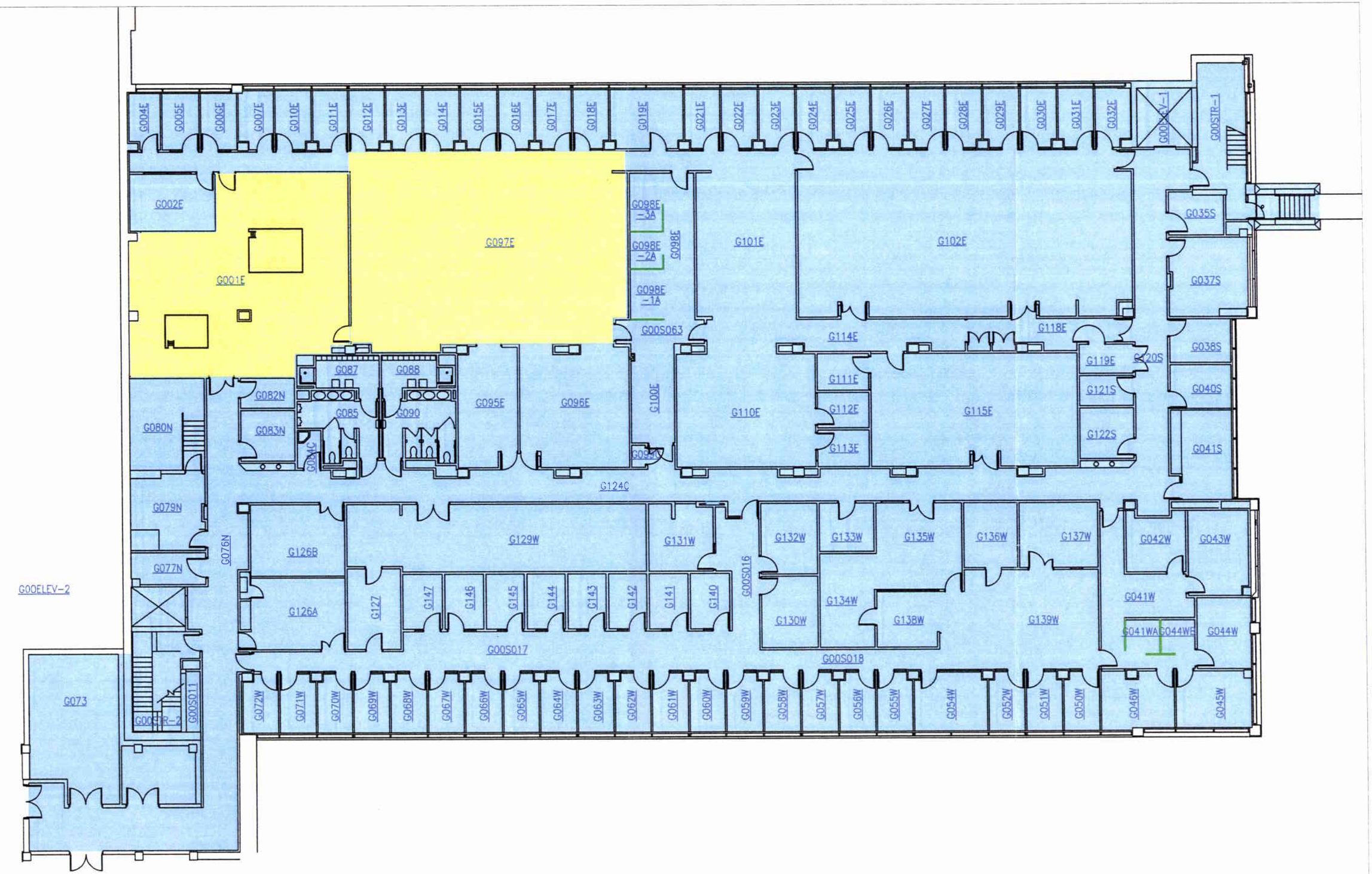
| Building: 26 | Elevation: 4 | Page: B.20 of B.43 |
|---|---|---|




Class 3

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

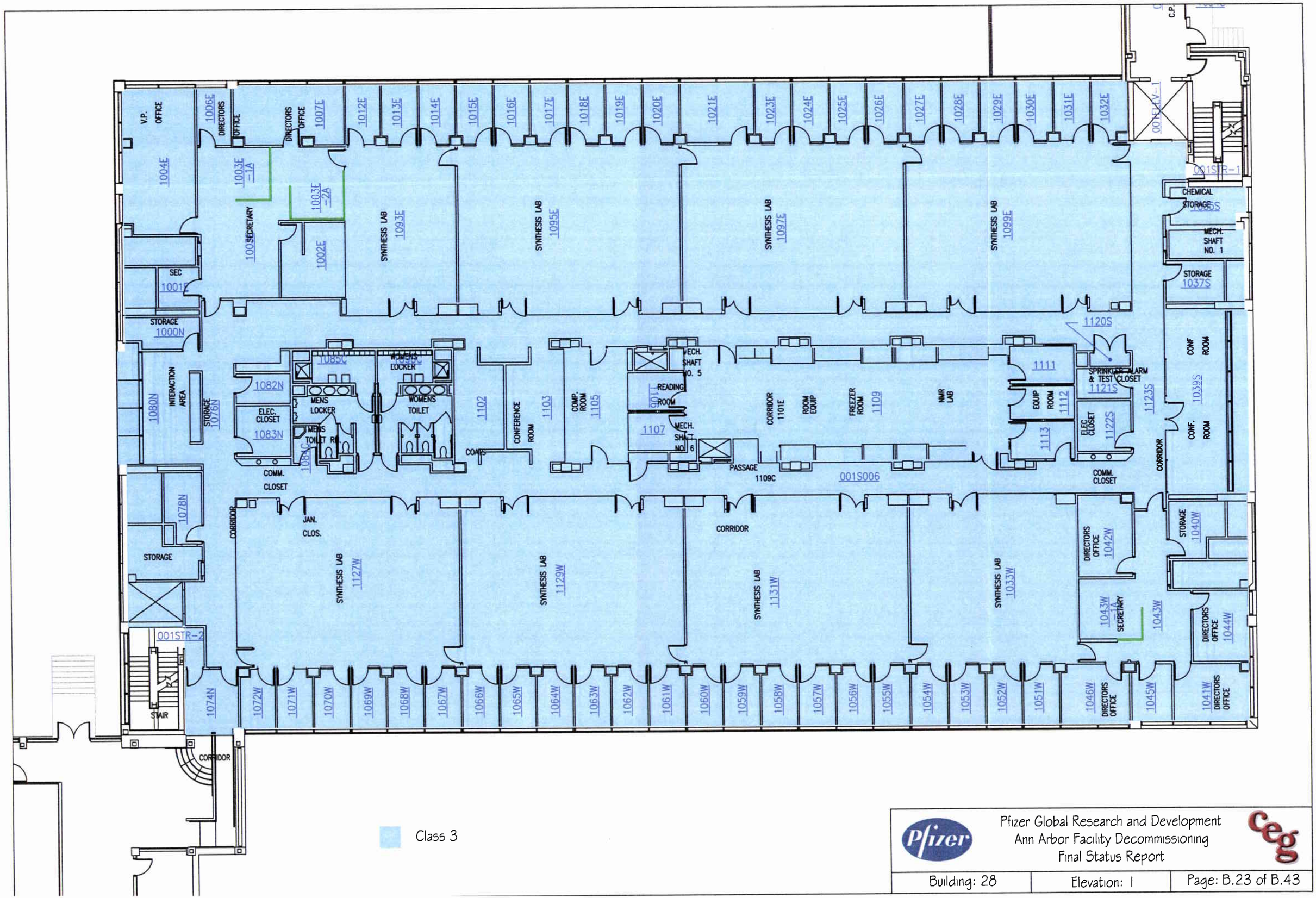
| Building: 26 | Elevation: R | Page: B.21 of B.43 |
|---|---|---|




Class 2

Class 3

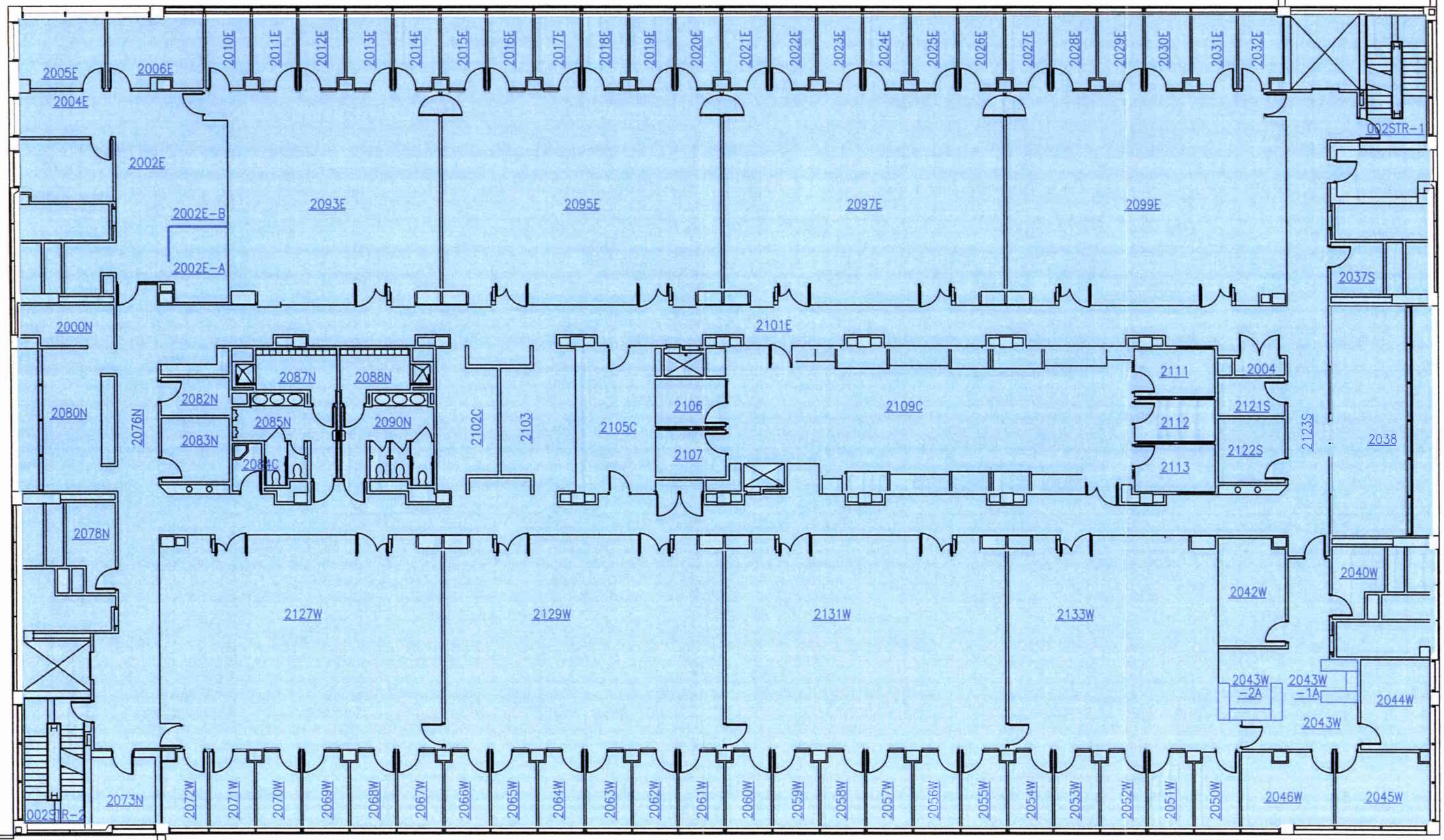
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 28 | Elevation: G | Page: B.22 of B.43 |




Class 3

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

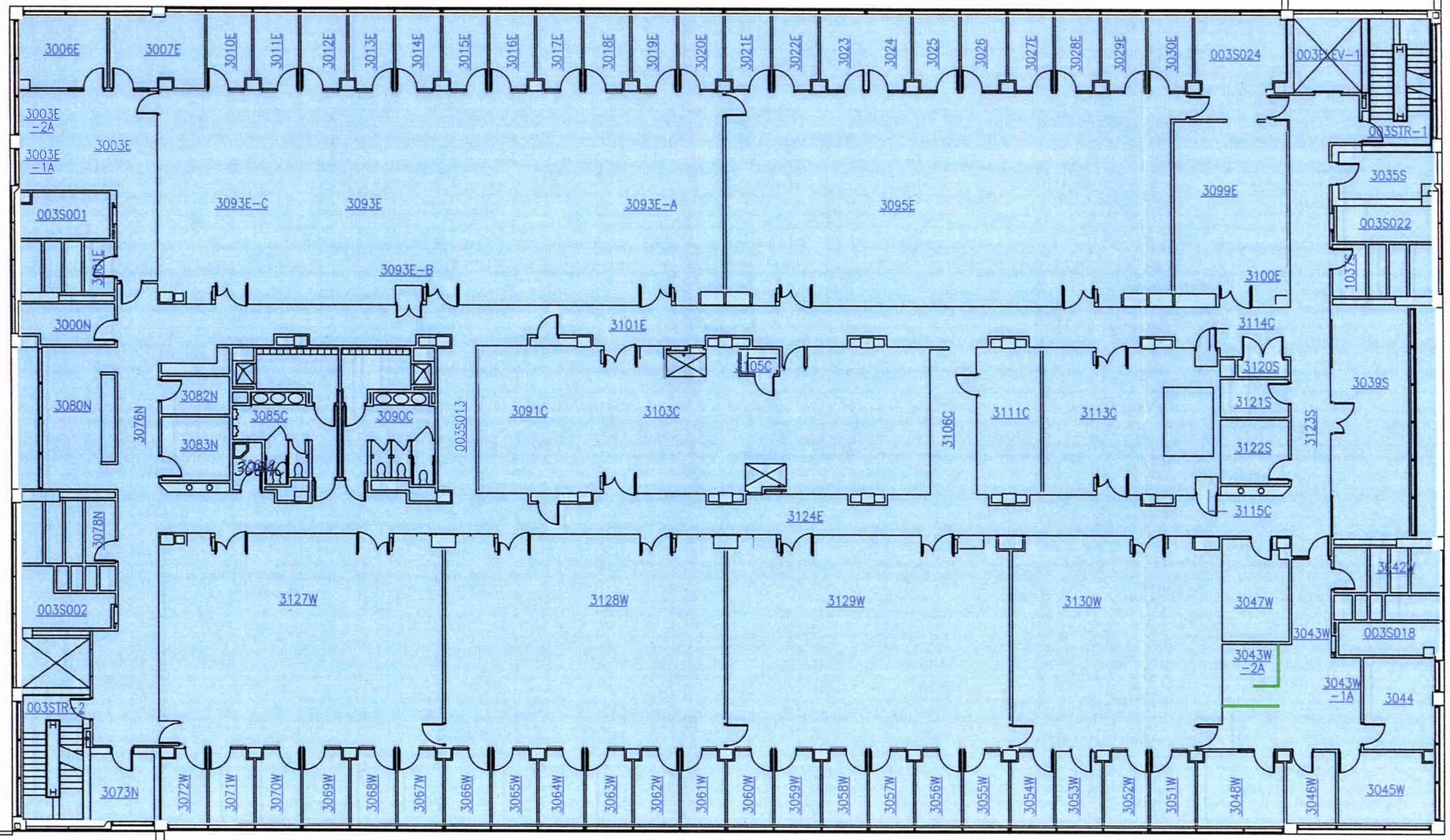
| Building: 28 | Elevation: 1 | Page: B.23 of B.43 |
|---|---|---|




Class 3

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

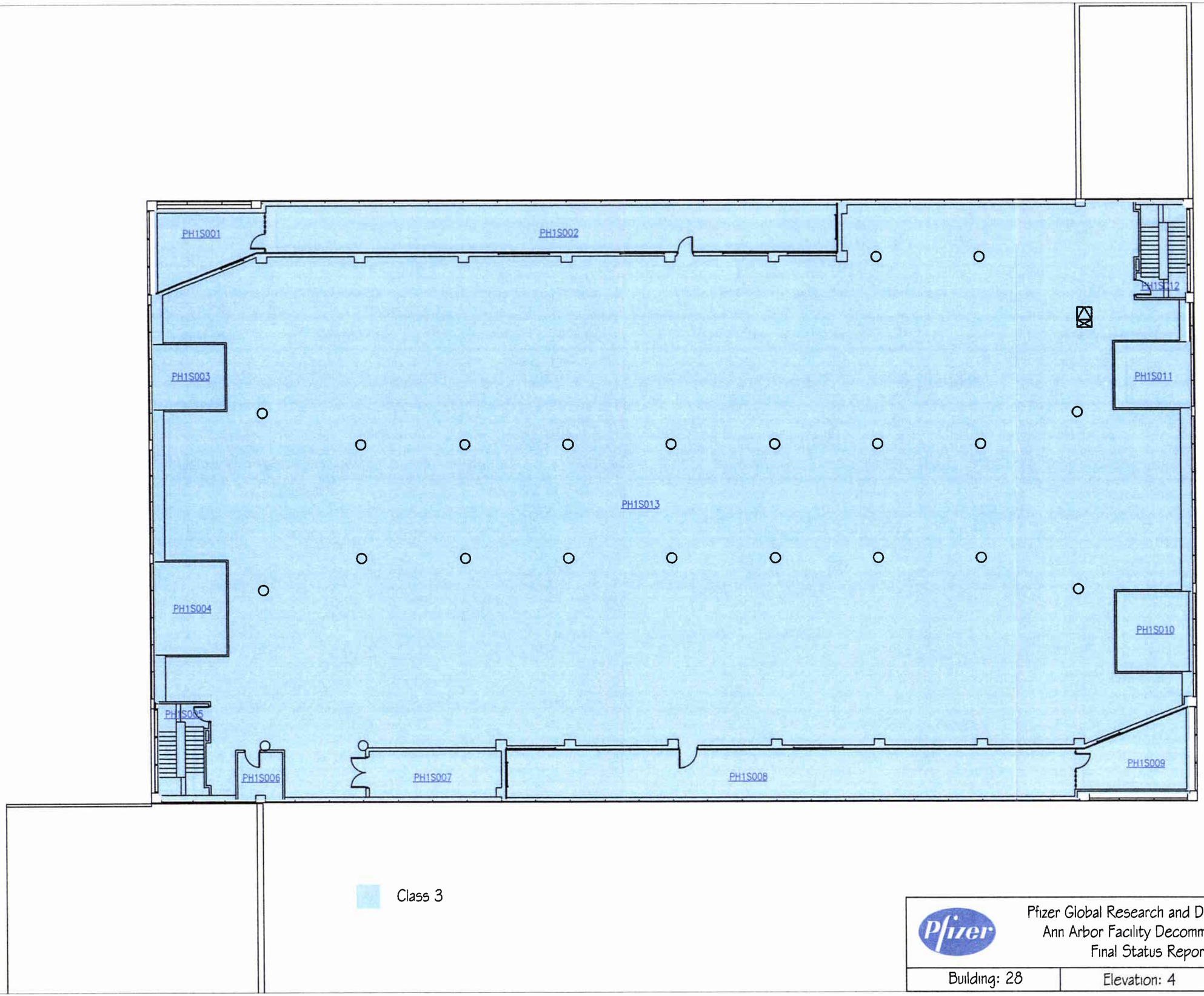
| Building: 28 | Elevation: 2 | Page: B.24 of B.43 |
|---|---|---|




Class 3

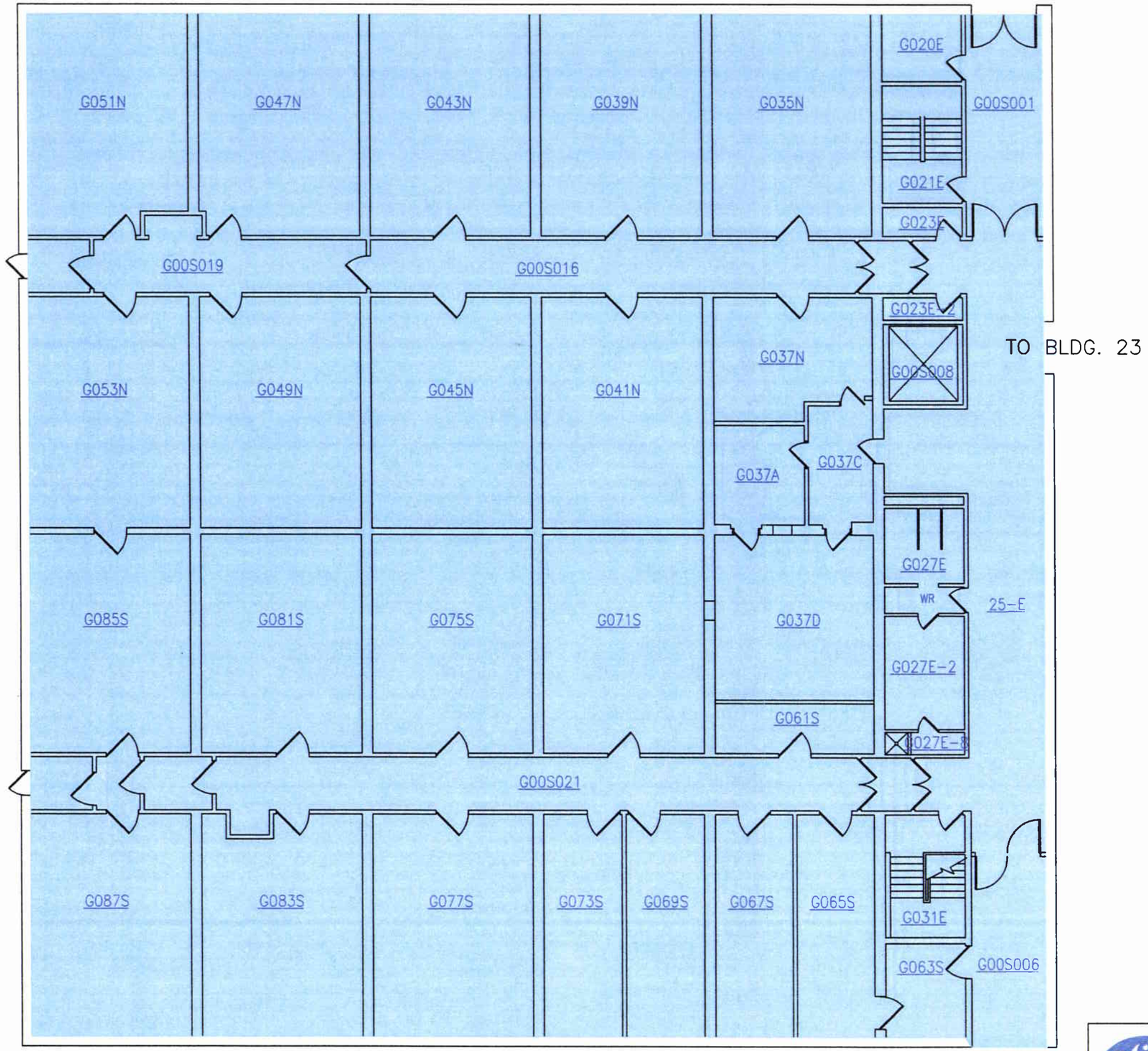
Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 28 | Elevation: 3 | Page: B.25 of B.43 |
|---|---|---|

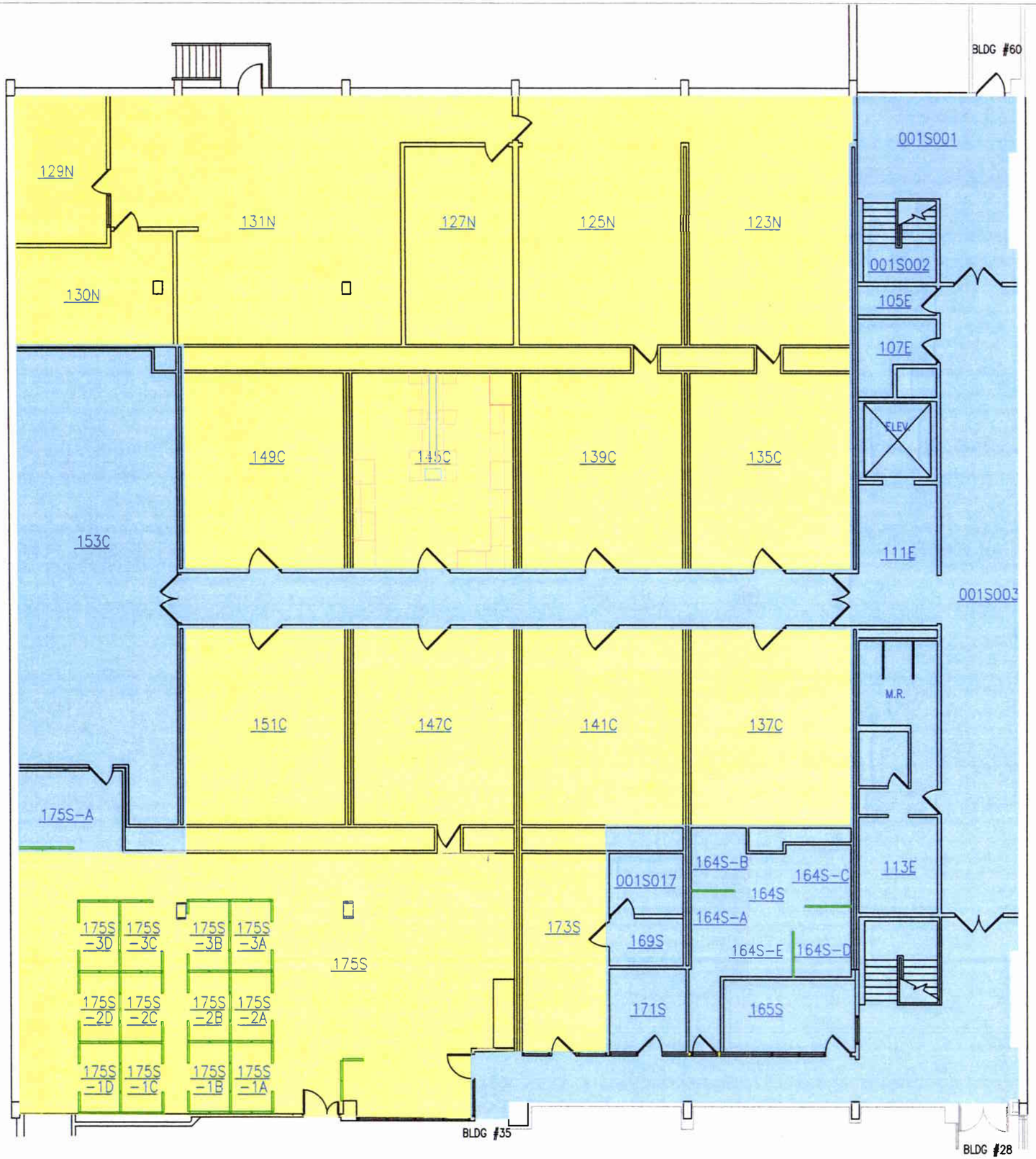



Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 28 | Elevation: 4 | Page: B.26 of B.43 |
|---|---|---|


G051N
G047N
G043N
G039N
G035N
G020E
G00S001
G021E
G023E
G00S019
G00S016
G023E-2
G037N
G00S008
G053N
G049N
G045N
G041N
G037A
G037C
G027E
WR
25-E
G085S
G081S
G075S
G071S
G037D
G027E-2
G061S
G027E-3
G00S021
G087S
G083S
G077S
G073S
G069S
G067S
G065S
G031E
G063S
G00S006
TO BLDG. 23
TO BLDG. 28

Class 3

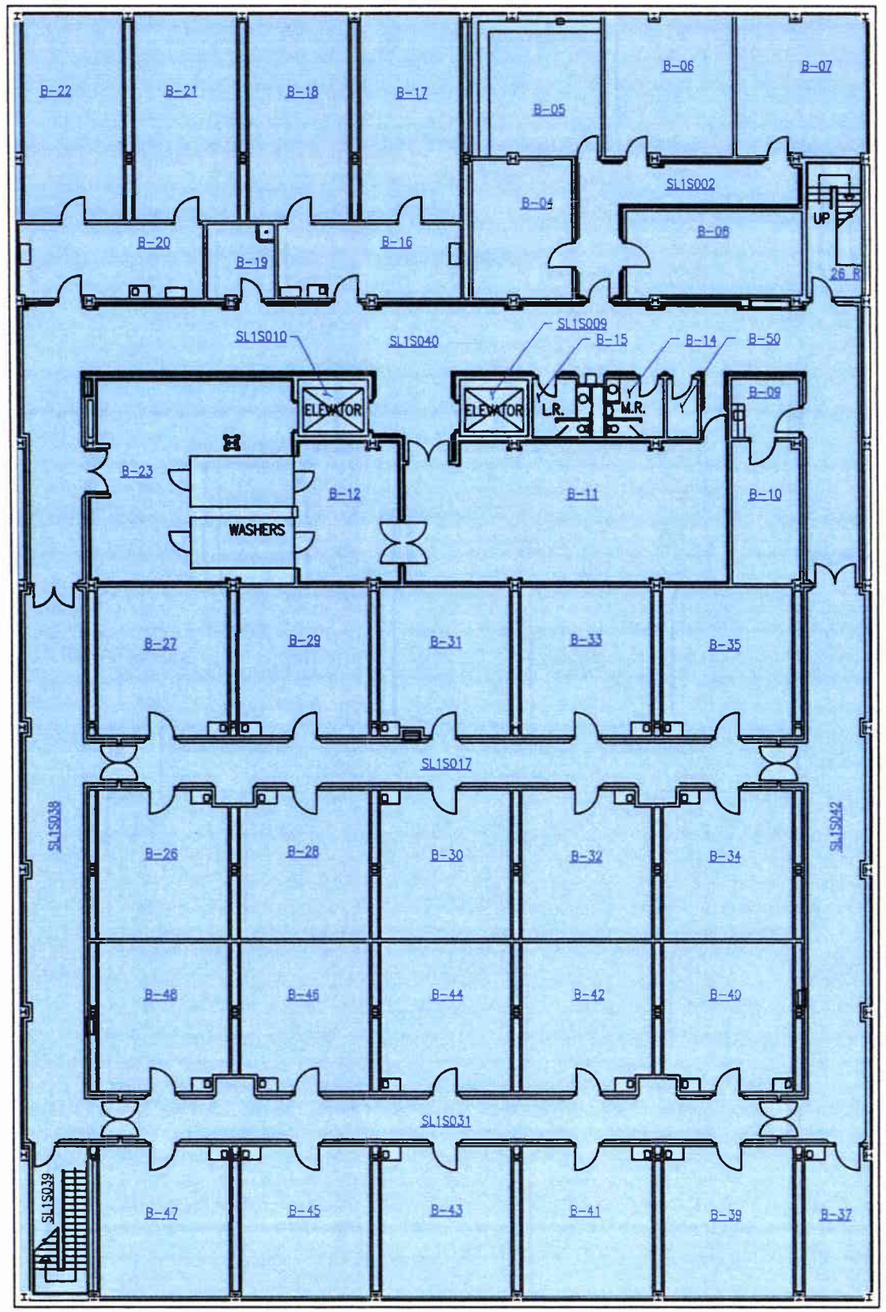



Class 2

Class 3

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

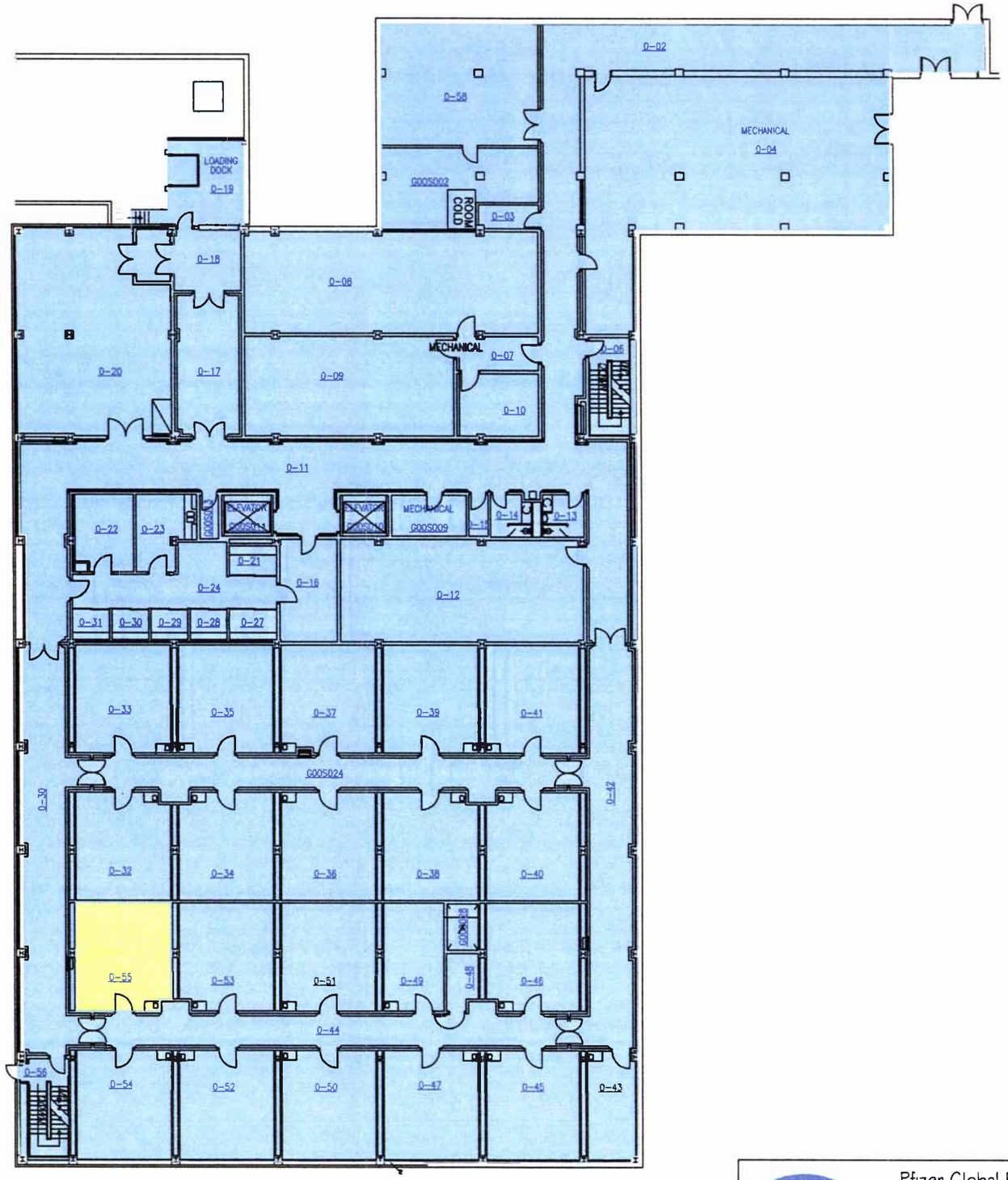
| Building: 30 | Elevation: 1 | Page: B.28 of B.43 |
|---|---|---|




Class 3

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 35 | Elevation: B | Page: B.29 of B.43 |
|---|---|---|

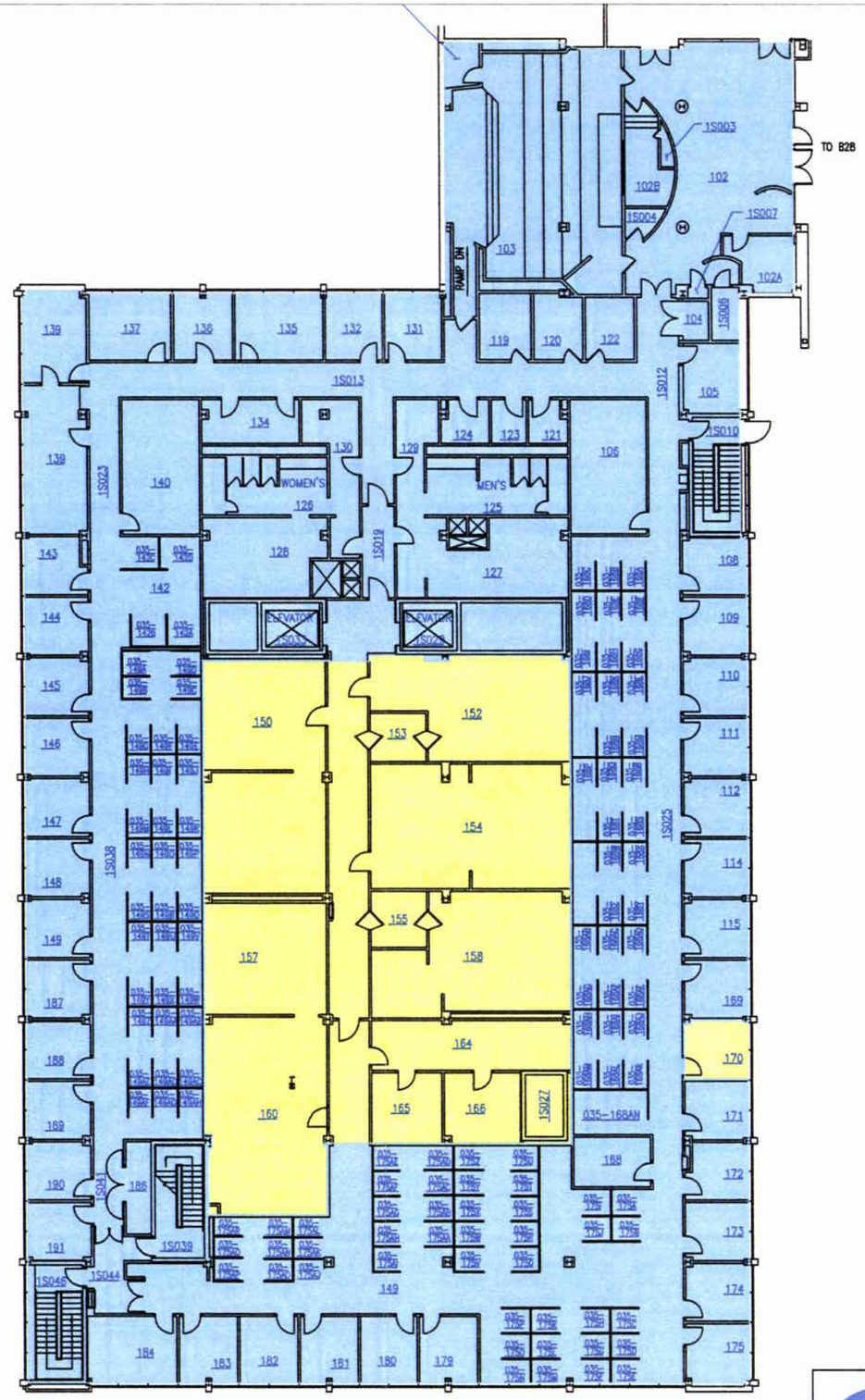



Class 2

Class 3

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 35 | Elevation: G | Page: B.30 of B.43 |
|---|---|---|

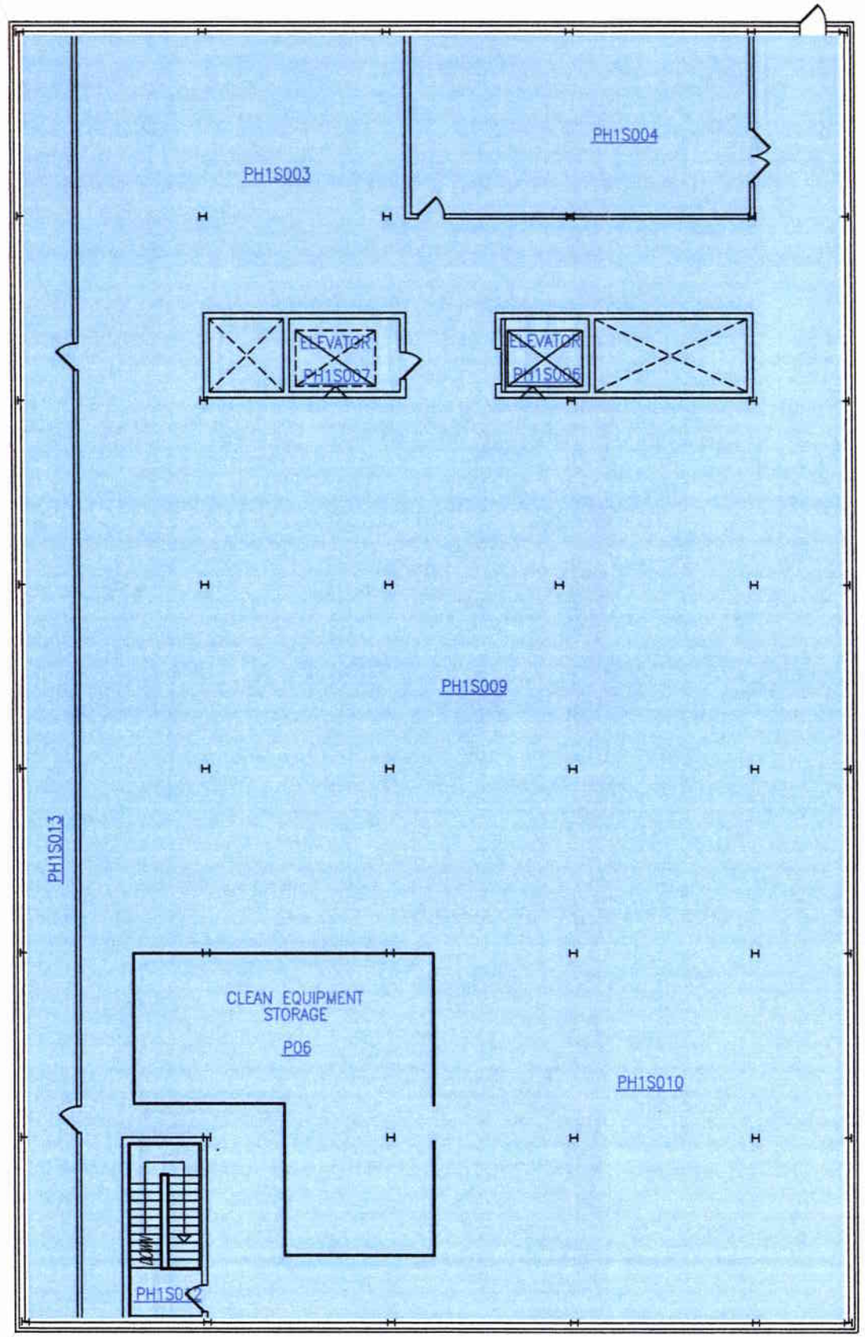



Class 2

Class 3

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

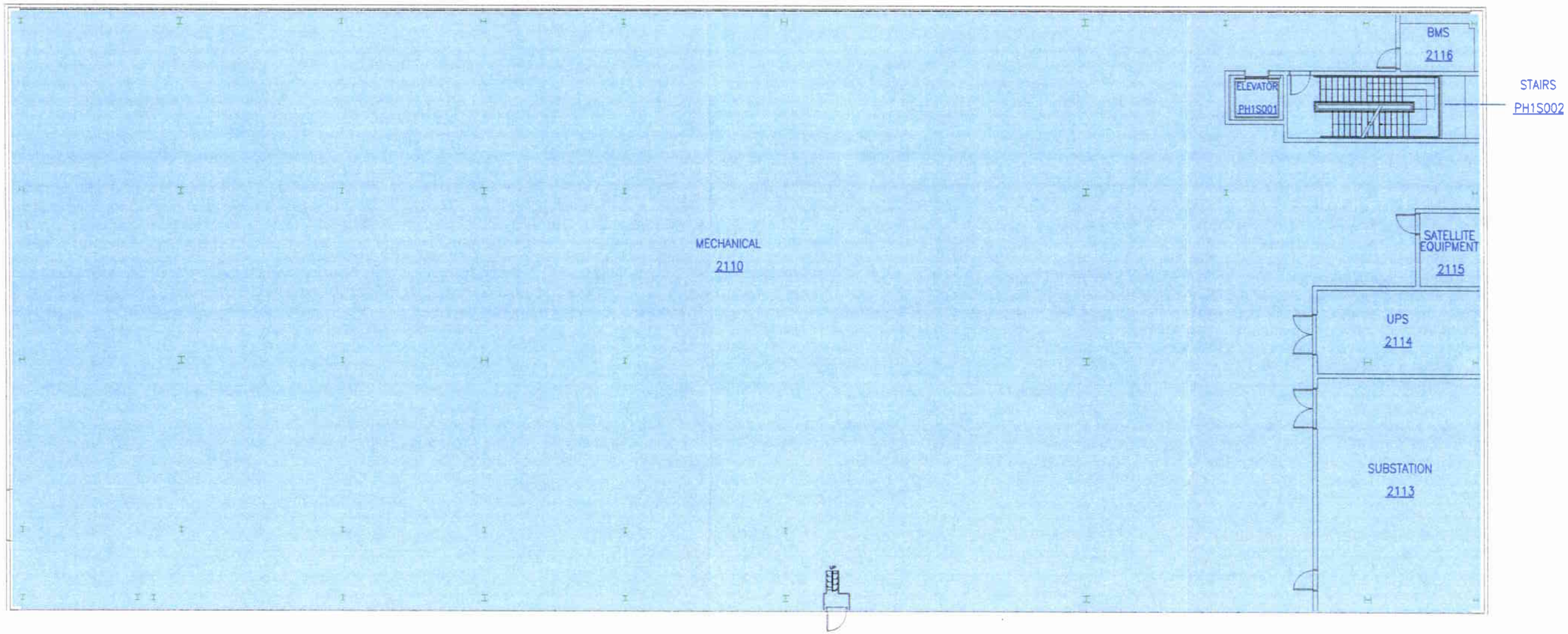
| Building: 35 | Elevation: 1 | Page: B.31 of B.43 |
|---|---|---|


PH1S004
PH1S003
ELEVATOR
PH1S007
ELEVATOR
PH1S006
PH1S009
PH1S013
CLEAN EQUIPMENT
STORAGE
P06
PH1S010
PH1S012

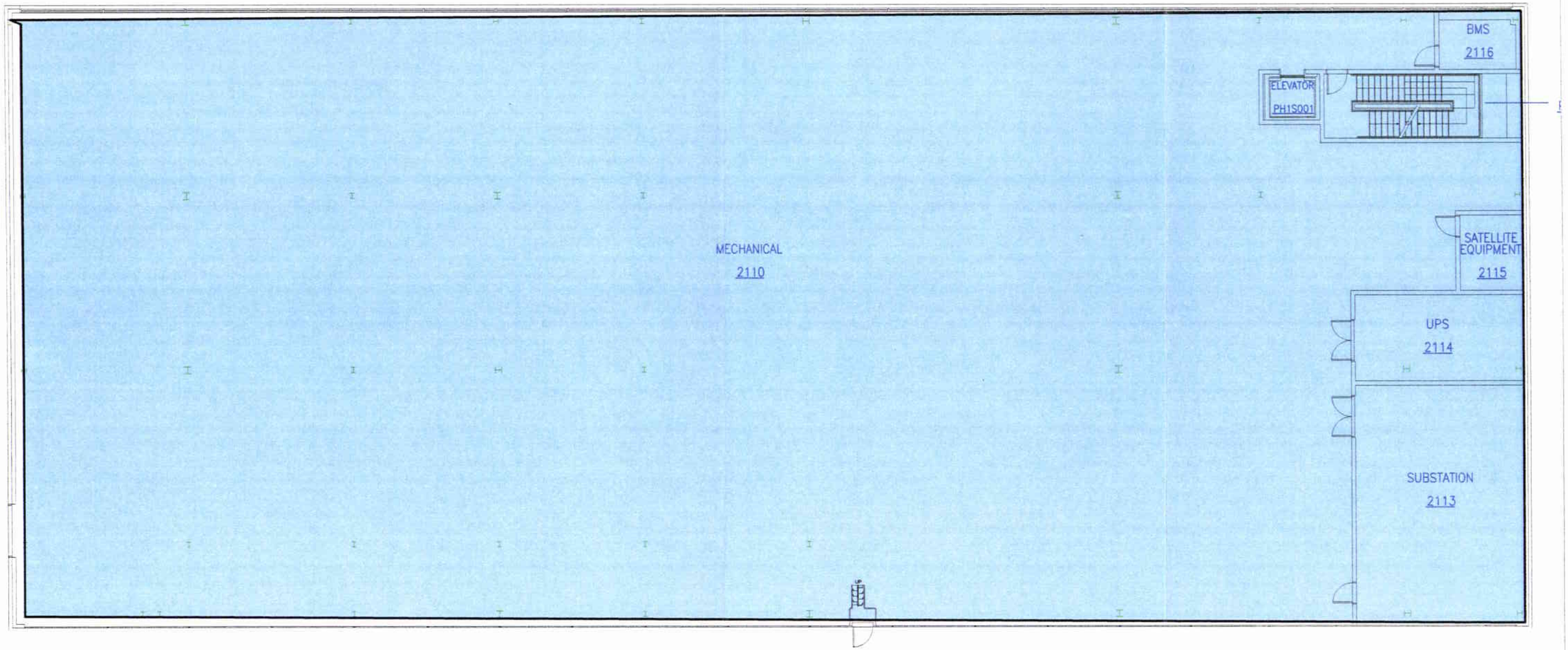
Class 3

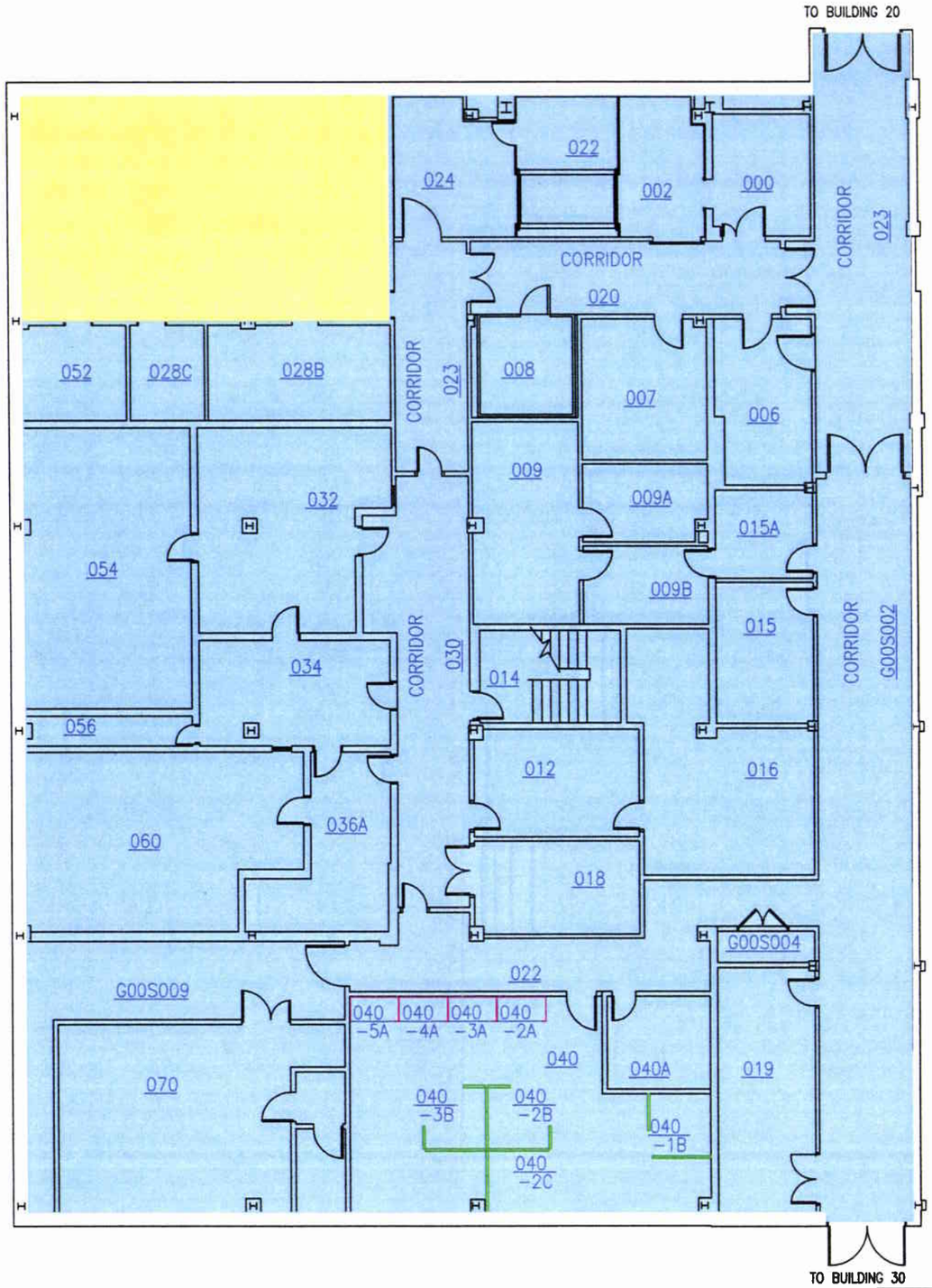
Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 36 | Elevation: 1 | Page: B.33 of B.43 |
|---|---|---|


BMS
2116
ELEVATOR
PH1S001
STAIRS
PH1S002
MECHANICAL
2110
SATELLITE EQUIPMENT
2115
UPS
2114
SUBSTATION
2113

Class 3


BMS
2116
ELEVATOR
PH1S001
MECHANICAL
2110
SATELLITE
EQUIPMENT
2115
UPS
2114
SUBSTATION
2113

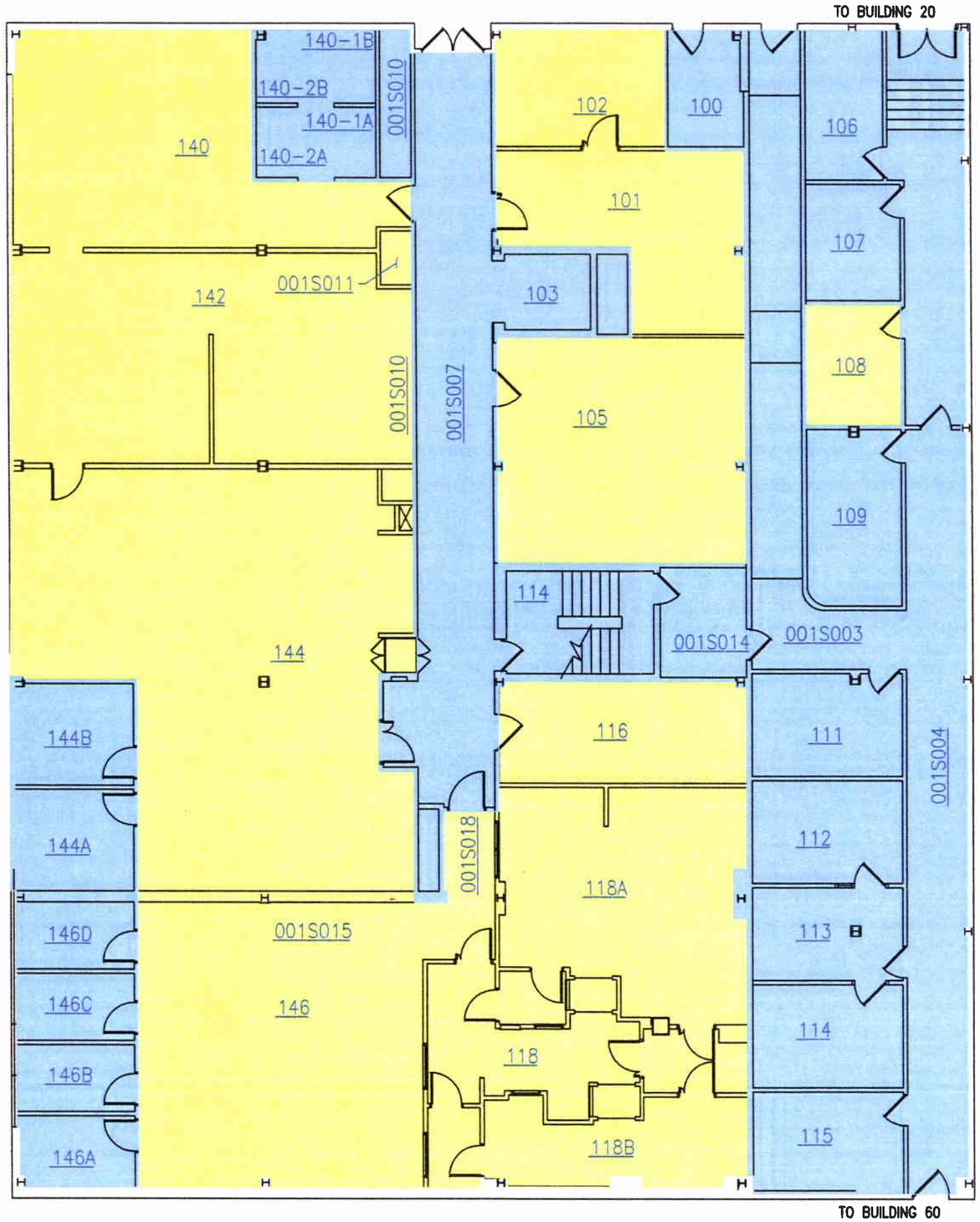



Class 2

Class 3

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

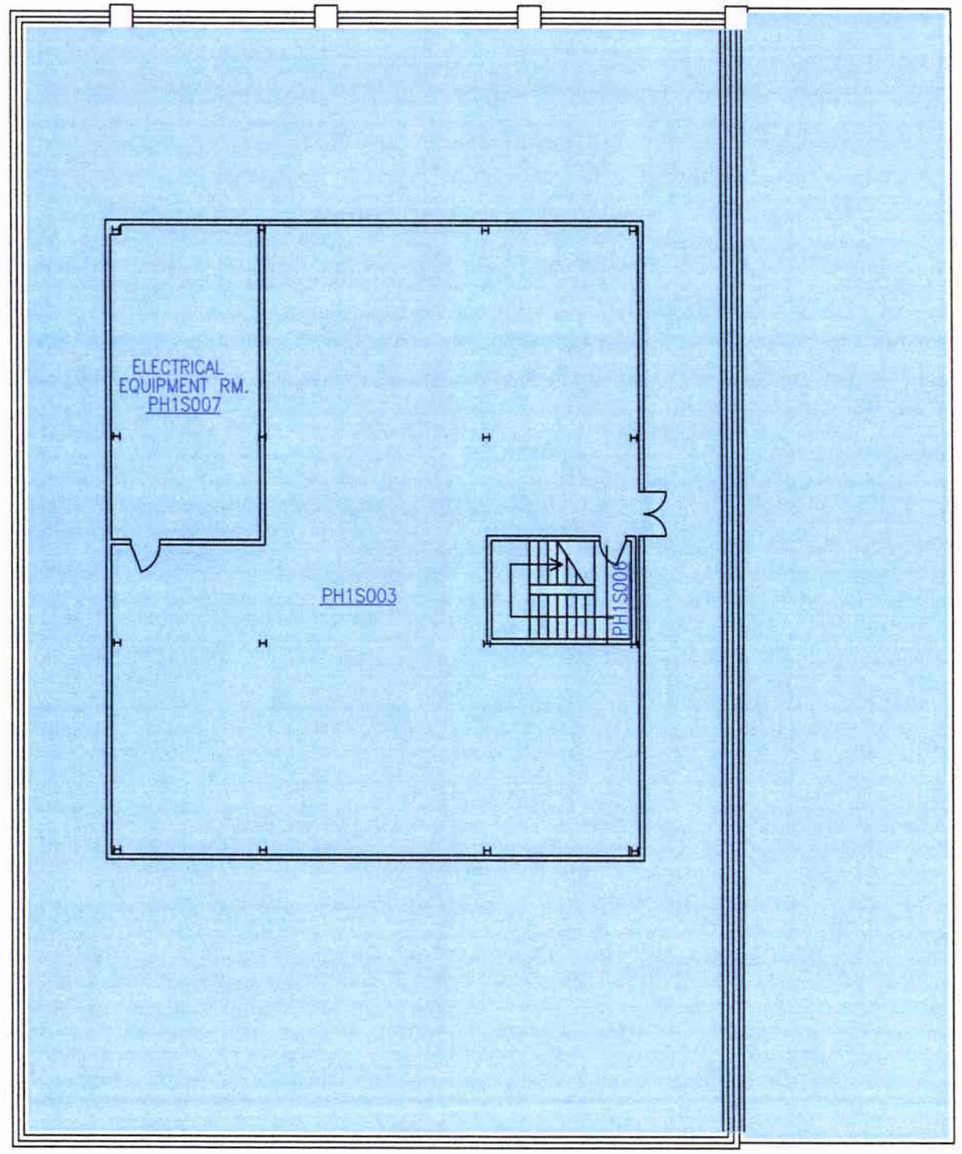
| Building: 60 | Elevation: G | Page: B.36 of B.43 |
|---|---|---|




Class 2

Class 3

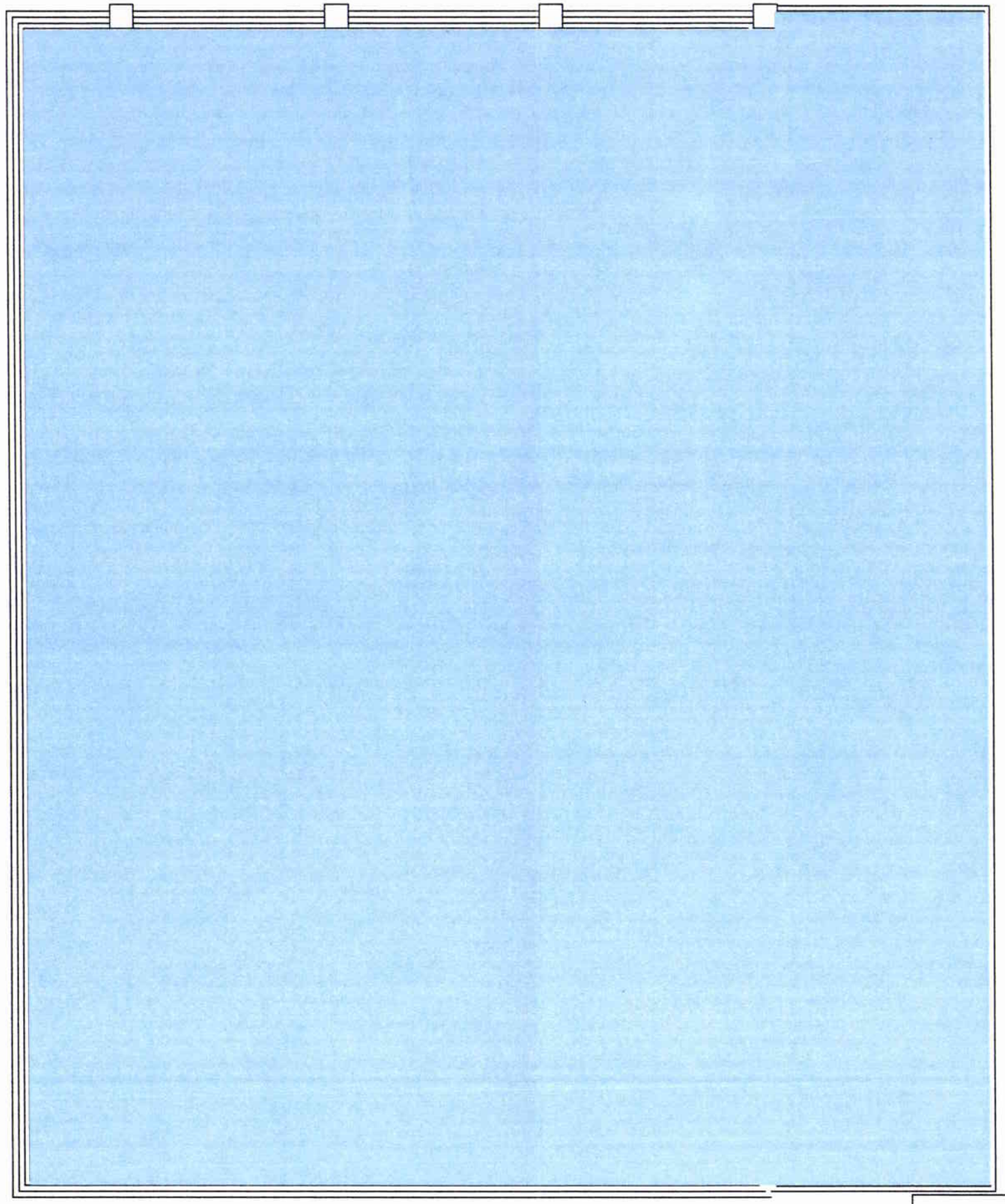
| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 60 | Elevation: 1 | Page: B.37 of B.43 |




Class 3

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

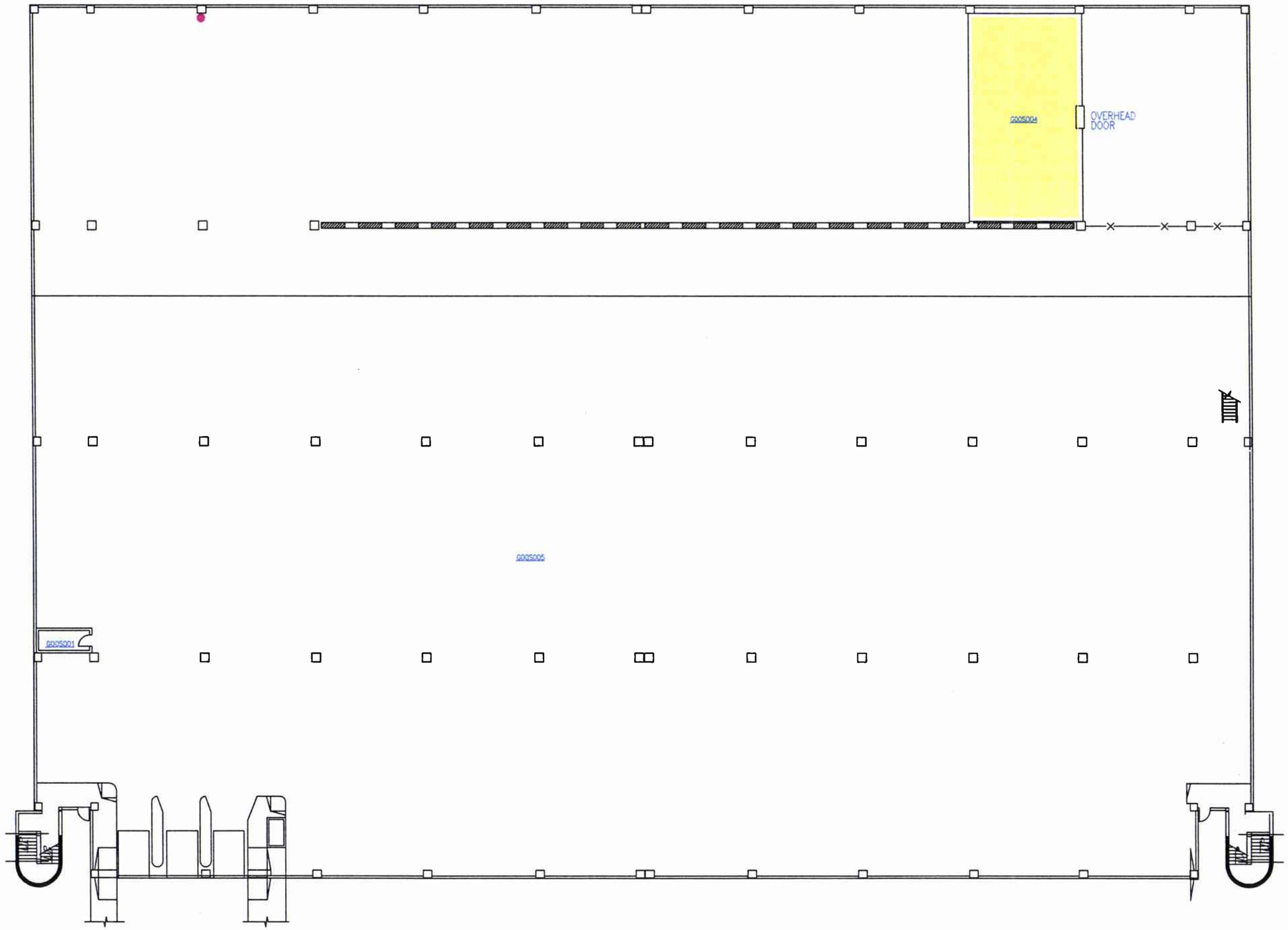
| Building: 60 | Elevation: 2 | Page: B.38 of B.43 |
|---|---|---|



Class 3

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

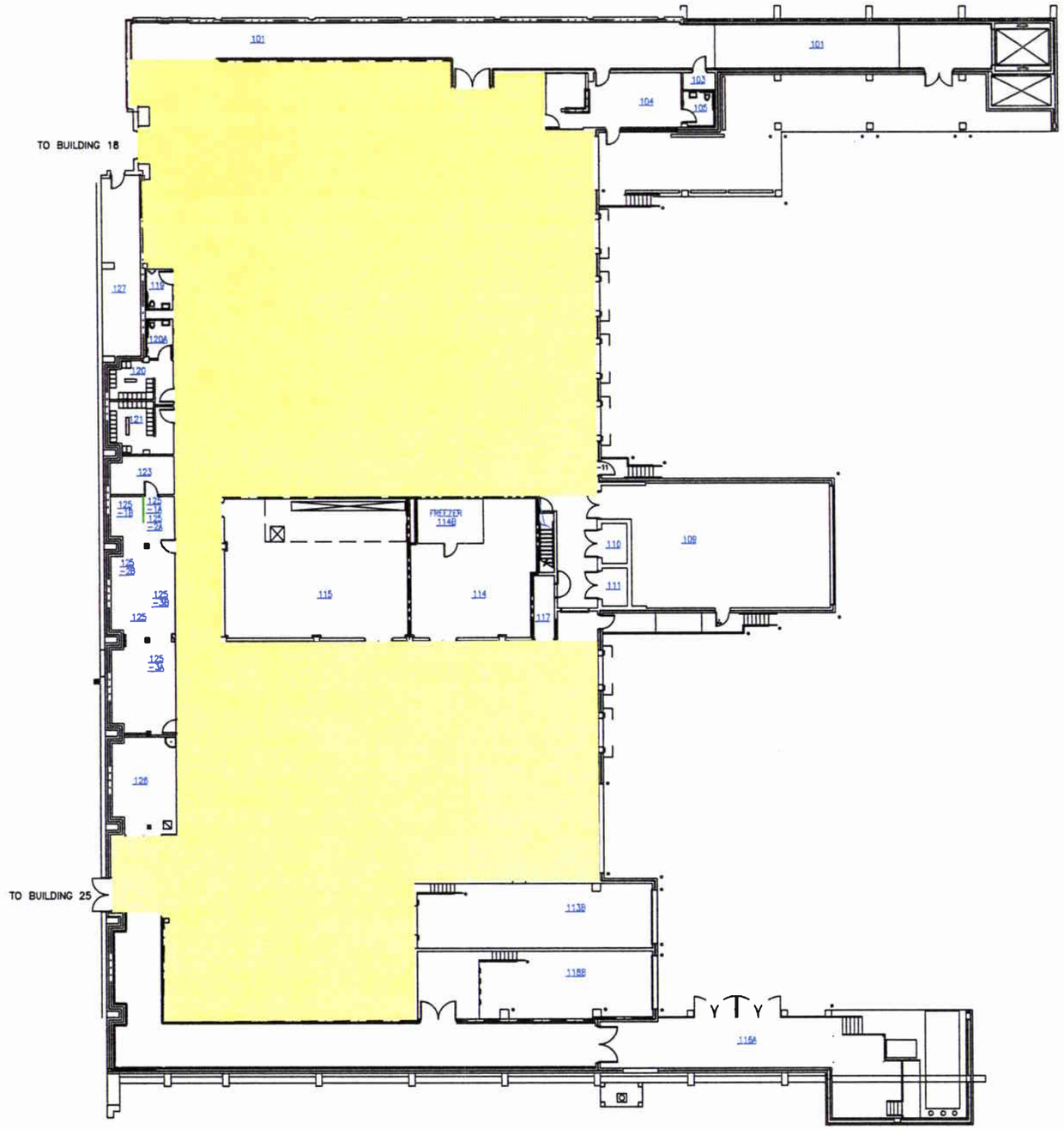
| Building: 60 | Elevation: R | Page: B.39 of B.43 |
|---|---|---|




Class 2

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 73 | Elevation: G | Page: B.40 of B.43 |
|---|---|---|




Class 2

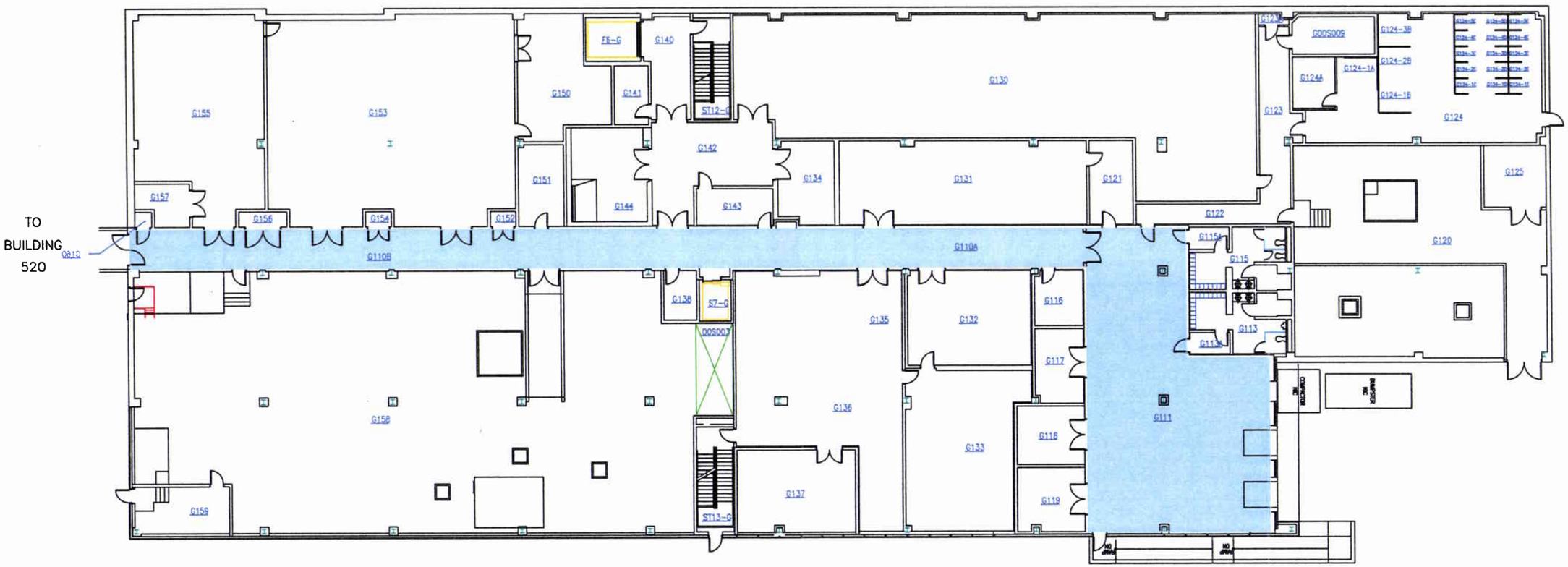
| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 90 | Elevation: G | Page: B.41 of B.43 |

Class 1

Class 3

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 520 | Elevation: G | Page: B.42 of B.43 |
|---|---|---|




Class 3

| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 550 | Elevation: G | Page: B.43 of B.43 |

GRIFFIN INSTRUMENTS

# CALIBRATION CERTIFICATE FOR 2360 SERIAL# 245779

Owner: GI

DATE: 01/13/08 LOCATION: Griffin Inst

TECH: Joanne Glenn DATE LAST CAL EXPIRES: 12/31/08

Reason For Calibration: ○ Due For Calibration ○ Repair (See Remarks)

◉ Other (See Remarks) ○ Due and Repair (See Remarks)

**NIST TRACEABLE EQUIPMENT USED DURING CALIBRATION**

MODEL: M-500 SERIAL #: 114512 CAL. DUE: 12/20/08

MODEL: SERIAL #: CAL DUE:

☐ Fast/Slow Switch working properly ☑ Audio Response ☑ Geotropism CABLE LENGTH: 5'

CONDITION: New AF MECHANICAL ZERO: 0 AL MECHANICAL ZERO: 0

NEW BATTERIES: ◉ Yes ○ No BATTERY CHECK: Sat

| HV | AS FOUND HV | AS LEFT HV | WINDOW SETTINGS: | A.F. | A.L. |
|---|---|---|---|---|---|
| 500 V: | 500 | A.F. | BT (3.5 mV +/- 1 mV): | 3.5 | A.F. |
| 1000 V: | 1000 | A.F. | BW (30 mV +/-3 mV): | 30 | A.F. |
| 1500 V: | 1500 | A.F. | AT (120 mV +/-10 mV): | 120 | A.F. |

| | RATE METER | | | | | | SCALER | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| SCALE | RATE CPM | AS FOUND | % ERROR | AS LEFT | % ERROR | | AS FOUND | % ERROR | AS LEFT | % ERROR |
| x.1 or x1 | 100 | 100 | 0.0% | A.F. | | | | | | |
| | 250 | 250 | 0.0% | A.F. | | | 251 | 0.4% | A.F. | |
| | 400 | 400 | 0.0% | A.F. | | | | | | |
| x1 or x10 | 1000 | 1000 | 0.0% | A.F. | | | | | | |
| | 2500 | 2500 | 0.0% | A.F. | | | | | | |
| | 4000 | 4000 | 0.0% | A.F. | | | | | | |
| x10 or x100 | 10K | 10 K | 0.0% | A.F. | | | | | | |
| | 25K | 25 K | 0.0% | A.F. | | | | | | |
| | 40K | 40 K | 0.0% | A.F. | | | | | | |
| x100 or x1000 | 100K | 100 K | 0.0% | A.F. | | | | | | |
| | 250K | 250 K | 0.0% | A.F. | | | | | | |
| | 400K | 400 K | 0.0% | A.F. | | | | | | |

Is the As Found Data Within 20% of the Set Point?: ◉ Yes ○ No

Overload Light: ○ Adjusted ◉ Not Adj. Low Battery (2.2 V): ◉ Sat ○ Unsat

REMARKS: Cal'ed w/5' cable.

Does Instrument Meet Final Acceptance Criteria?: ◉ Yes ○ No

Calibration Sticker Attached?: ◉ Yes ○ No

Date Instrument is Due For Next Calibration: 01/13/09

Performed/Reviewed by: Joanne Glenn Date: 1/13/2008 Entered by: JG Initials

Calibrations performed to ANSI N323A-1997 standards

GRIFFIN INSTRUMENTS

# CALIBRATION CERTIFICATE FOR 43-68 PROBE # PR103613

**Owner:** GI

| | | | |
|---|---|---|---|
| **DATE:** | 01/14/08 | **LOCATION:** | Griffin Inst |
| **TECH:** | *Joanne Glenn* | **DATE LAST CAL EXPIRES:** | 08/01/04 |

**REASON FOR CALIBRATION:**

(●) Due For Calibration ( ) Repair (See Remarks) ( ) Other (See Remarks) ( ) Due and Repair

**CABLE LENGTH:** 5' **INPUT SENSITIVITY:** dual

**NIST TRACEABLE EQUIPMENT AND STANDARDS USED DURING CALIBRATION**

| | | | | | |
|---|---|---|---|---|---|
| **MODEL:** | 2360 | **SERIAL #:** | 245800 | **CAL. DUE:** | 01/13/09 |
| **MODEL:** | | **SERIAL #:** | | **CAL. DUE:** | |

**NIST TRACEABLE SOURCES USED**

| | | | |
|---|---|---|---|
| **SOURCE #:** | 2695-00 | **SOURCE #:** | DX-295 |
| **ISOTOPE:** | Tc99 | **ISOTOPE:** | C14 |
| **ACTIVITY(dpm):** | 18400 | **ACTIVITY:** | 68,000 dpm |
| **ASSAY DATE:** | 03/01/00 | **ASSAY DATE:** | 05/09/94 |

**Condition:** (●) Sat ( ) Unsat **Efficiency from last cal.:** **Pu:** **Tc Ni:** **Th:** **C-14:**

| | HV | Vernier |
|---|---|---|
| **Setpoints from last cal.:** | 1600 | N/A |

| Source | Alpha Response CPM | Beta Response CPM | |
|---|---|---|---|
| **Background:** | | | |
| **Pu-239:** | | | **A-B XTLK:** |
| **Tc-99 Ni:** | | | **B-A XTLK:** |
| **As Found Efficiencies Pu, Tc:** | | | |
| **Th-230 / C-14** | / | | / |
| **Background:** | | | |
| **Pu-239:** | | | **A-B XTLK:** |
| **Tc-99 Ni:** | | | **B-A XTLK:** |
| **As Left Efficiencies Pu, Tc:** | | | |
| **Th-230 / C-14** | / | | / |

**Is as found efficiency within 20% of the efficiency from the last cal?** ( ) Yes (●) No (See Remarks)

Note: If the as found data is within 10% of the last calibration and the B-A Xtalk is <1% and the A-B Xtalk is <10%, then the technician may N/A the plateau section and go directly to remarks.

Designer and Manufacturer of Scientific and Industrial Instruments

# CERTIFICATE OF CALIBRATION

**LUDLUM MEASUREMENTS, INC.**
POST OFFICE BOX 810 PH. 325-235-5494
501 OAK STREET FAX NO. 325-235-4672
SWEETWATER, TEXAS 79556, U.S.A.

CUSTOMER GRIFFIN INSTRUMENTS ORDER NO. 20101880

Mfg. Ludlum Measurements, Inc. Model 2360 Serial No. 245758

Model Serial No.

Cal. Date 22-Jan-08 Cal Due Date 22-Jan-09 Cal. Interval 1 Year Meterface 202-855

Check mark ☑ applies to applicable instr. and/or detector IAW mfg. spec. T. 72 °F RH 26 % Alt 708.8 mm Hg

☑ New Instrument Instrument Received ☐ Within Toler. +-10% ☐ 10-20% ☐ Out of Tol. ☐ Requiring Repair ☐ Other-See comments

☑ Mechanical ck. ☑ Meter Zeroed ☐ Background Subtract ☐ Input Sens. Linearity
☐ F/S Resp. ck ☑ Reset ck. ☑ Window Operation ☑ Geotropism
☑ Audio ck. ☑ Alarm Setting ck. ☑ Batt. ck. (Min. Volt) 2.2 VDC ☐ RS-232 Port OK
☑ Calibrated in accordance with LMI SOP 14.8 rev 12/05/89. ☐ Calibrated in accordance with LMI SOP 14.9 rev 02/07/97.

Instrument Volt Set 900 V

☑ HV Readout (2 points) Ref./Inst. 500 / 500 V Ref./Inst. 1500 / 1499 V

Firmware Version: 39010N24
Alpha Threshold: 120 mV
Beta Threshold: 3.5 mV
Beta Window: 30 mV
Overload checked but not set.
Instrument calibrated with a 39" cable.
High voltage set with detector N/a

(EEPROM Settings)
User Time: 0.1
Alpha Alarm: 999999
Beta Alarm: 999999
A/B Alarm: 999999
Model 2360 Date: 01/22/2008
Calibration Date Due: 01/22/2009

**COMMENTS:**

Gamma Calibration: GM detectors positioned perpendicular to source except for M 44-9 in which the front of probe faces source.

| RANGE/MULTIPLIER | REFERENCE CAL. POINT | INSTRUMENT REC'D "AS FOUND READING" | INSTRUMENT METER READING* |
|---|---|---|---|
| x1000 | 400kcpm | | 400 |
| x1000 | 100kcpm | | 98 |
| x100 | 40kcpm | | 400 |
| x100 | 10kcpm | | 98 |
| x10 | 4kcpm | | 400 |
| x10 | 1kcpm | | 100 |
| x1 | 400kcpm | | 400 |
| x1 | 100kcpm | | 100 |

*Uncertainty within ± 10% C.F. within ± 20% ALL Range(s) Calibrated Electronically

| | REFERENCE CAL. POINT | INSTRUMENT RECEIVED | INSTRUMENT METER READING* | | REFERENCE CAL. POINT | INSTRUMENT RECEIVED | INSTRUMENT METER READING* |
|---|---|---|---|---|---|---|---|
| Digital Readout | 400kcpm | | 39998(0) | Log Scale | | | |
| | 40kcpm | | 3999 | | | | |
| | 4kcpm | | 400 | | | | |
| | 400cpm | | 40 | | | | |
| | 40cpm | | 4 | | | | |

Ludlum Measurements, Inc. certifies that the above instrument has been calibrated by standards traceable to the National Institute of Standards and Technology, or to the calibration facilities of other International Standards Organization members, or have been derived from accepted values of natural physical constants or have been derived by the ratio type of calibration techniques.
The calibration system conforms to the requirements of ANSI/NCSL Z540-1-1994 and ANSI N323-1978 State of Texas Calibration License No. LO-1963

**Reference Instruments and/or Sources:** ☐ S-394/1122 ☐ 1131 ☐ 781
Cs-137 Gamma S/N ☐ 1162 ☐ G112 ☐ M565 ☐ 5105 ☐ T1008 ☐ T879 ☐ E552 ☐ E551 ☐ 720 ☐ 734 ☐ 1616 ☐ Neutron Am-241 Be S/N T-304

☐ Alpha S/N ☐ Beta S/N ☐ Other

☑ m 500 S/N 141244 ☐ Oscilloscope S/N ☑ Multimeter S/N 92780455

Calibrated By: Ashley Ramey Date 22-January-08

Reviewed By: Diana De Leon Date 22 Jan08

This certificate shall not be reproduced except in full, without the written approval of Ludlum Measurements, Inc.
FORM C22S 09/17/2007

AC Inst. Only ☐ Passed Dielectric (Hi-Pot) and Continuity Test ☐ Failed:

GRIFFIN INSTRUMENTS

# CALIBRATION CERTIFICATE FOR 43-68 PROBE # PR103613

Owner: GI

| | | | |
|---|---|---|---|
| DATE: | 01/14/08 | LOCATION: | Griffin Inst |
| TECH: | Joanne Glenn | DATE LAST CAL EXPIRES: | 08/01/04 |

REASON FOR CALIBRATION:

(●) Due For Calibration ( ) Repair (See Remarks) ( ) Other (See Remarks) ( ) Due and Repair

CABLE LENGTH: 5' INPUT SENSITIVITY: dual

## NIST TRACEABLE EQUIPMENT AND STANDARDS USED DURING CALIBRATION

| | | | | | |
|---|---|---|---|---|---|
| MODEL: | 2360 | SERIAL #: | 245800 | CAL. DUE: | 01/13/09 |
| MODEL: | | SERIAL #: | | CAL. DUE: | |

## NIST TRACEABLE SOURCES USED

| | | | |
|---|---|---|---|
| SOURCE #: | 2695-00 | SOURCE #: | DX-295 |
| ISOTOPE: | Tc99 | ISOTOPE: | C14 |
| ACTIVITY(dpm): | 18400 | ACTIVITY: | 68,000 dpm |
| ASSAY DATE: | 03/01/00 | ASSAY DATE: | 05/09/94 |

Condition: (●) Sat ( ) Unsat Efficiency from last cal.: Pu: Tc Ni: Th: C-14:

| | HV | Vernier |
|---|---|---|
| Setpoints from last cal.: | 1600 | N/A |

| Source | Alpha Response CPM | Beta Response CPM | |
|---|---|---|---|
| Background: | | | |
| Pu-239: | | | A-B XTLK: |
| Tc-99 Ni: | | | B-A XTLK: |
| As Found Efficiencies Pu, Tc: | | | |
| Th-230 / C-14 | / | | / |
| Background: | | | |
| Pu-239: | | | A-B XTLK: |
| Tc-99 Ni: | | | B-A XTLK: |
| As Left Efficiencies Pu, Tc: | | | |
| Th-230 / C-14 | / | | / |

Is as found efficiency within 20% of the efficiency from the last cal? ( ) Yes (●) No (See Remarks)

Note: If the as found data is within 10% of the last calibration and the B-A Xtalk is <1% and the A-B Xtalk is <10%, then the technician may N/A the plateau section and go directly to remarks.

**GRIFFIN INSTRUMENTS**

**PROBE #: PR103613**
Date: 01/14/08

# PLATEAU AND SET POINT DATA

| HV / Vernier: | Tc-99 Source Response (CPM): | | | Pu-239 Source Response (CPM): | | | Background (CPM): | | Net A to B Xtalk: <10% | B to A Xtalk: <1% |
|---|---|---|---|---|---|---|---|---|---|---|
| | A ch. | B ch. | Net Eff. | A ch. | B ch. | Net Eff. | A ch. | B ch. | | |
| 1550 | 5 | 4465 | 23.6% | 2486 | 266 | 13.4% | 2 | 118 | 5.6% | <1% |
| 1600 | 5 | 5713 | 30.0% | 3312 | 357 | 17.9% | 0 | 184 | 5.0% | <1% |
| 1650 | 12 | 5302 | | | | | | | | <1% |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

**Alpha / Beta Bkg (cpm)** 0 158

| HV / Vernier | | Pu-239 | Tc-99 Ni | Tc-99 SS | Th-230 | C-14 | Sr-90 |
|---|---|---|---|---|---|---|---|
| 1600 | CPM: | 3196 | 5589 | 7773 | 4865 | | 2908 |
| **4 pi AL Efficiencies:** | | **17.28%** | **29.52%** | **20.42%** | **16.22%** | | **27.22%** |
| ***2 pi AL Efficiencies:*** | | ***34.04%*** | ***47.23%*** | ***32.68%*** | ***32.01%*** | | ***38.93%*** |

Other NIST sources: Th-230 Source #99TH470-1815 4/11/06 30,000 dpm Pu-239 Source #2696-00 7/18/06 18,500dpm
Tc-99 on Stainless Steel Source #99TC470-1814 8/3/99 37,300 dpm, Sr90 Source #2697-00 3/1/00 12,200 dpm

REMARKS: *Calibrated w/2360 and 5' cable. Used client's C14 source. 7774 cpm - 158 bkg = 7616/68,000 = 11.20% eff.*

Does Instrument Meet Final Acceptance Criteria?: (●) Yes ( ) No

Calibration Sticker Attached?: (●) Yes ( ) No

Date Instrument is Due For Next Calibration: **01/14/09**

**Performed/Reviewed by:** Jeanne Glenn **Date:** 1/14/2008 **Entered by:** JG **Initials**

**2 pi efficiencies denoted in italics.** **Calibrations performed to ANSI N323A-1997 standards.**

GRIFFIN INSTRUMENTS

# CALIBRATION CERTIFICATE FOR 2224 SERIAL# 143035

Owner: GI

DATE: 07/25/07 LOCATION: Griffin Inst

TECH: Joanne Glenn DATE LAST CAL EXPIRES: 10/17/07

Reason For Calibration: ○ Due For Calibration ○ Repair (See Remarks)

◉ Other (See Remarks) ○ Due and Repair (See Remarks)

**NIST TRACEABLE EQUIPMENT USED DURING CALIBRATION**

MODEL: M-500 SERIAL #: 114512 CAL. DUE: 12/11/07

MODEL: SERIAL #: CAL DUE:

☑ Fast/Slow Switch working properly ☑ Audio Response ☑ Geotropism CABLE LENGTH: 39"

CONDITION: Sat AF MECHANICAL ZERO: 0 AL MECHANICAL ZERO: 0

NEW BATTERIES: ◉ Yes ○ No BATTERY CHECK: Sat

| HV | AS FOUND HV | AS LEFT HV | WINDOW SETTINGS: | A.F. | A.L. |
|---|---|---|---|---|---|
| 500 V: | 500 | A.F. | BT (3.5 mV +/- 1 mV): | 3.5 | A.F. |
| 1000 V: | 1000 | A.F. | BW (30 mV +/-3 mV): | 32 | 30 |
| 1500 V: | 1500 | A.F. | AT (120 mV +/-10 mV): | 120 | A.F. |

| | RATE METER | | | | | | SCALER | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| SCALE | RATE CPM | AS FOUND | % ERROR | AS LEFT | % ERROR | AS FOUND | % ERROR | AS LEFT | % ERROR |
| x.1 or x1 | 100 | 100 | 0.0% | A.F. | | | | | |
| | 250 | 250 | 0.0% | A.F. | | 251 | 0.4% | A.F. | |
| | 400 | 400 | 0.0% | A.F. | | | | | |
| x1 or x10 | 1000 | 1000 | 0.0% | A.F. | | | | | |
| | 2500 | 2500 | 0.0% | A.F. | | | | | |
| | 4000 | 4000 | 0.0% | A.F. | | | | | |
| x10 or x100 | 10K | 10 K | 0.0% | A.F. | | | | | |
| | 25K | 25 K | 0.0% | A.F. | | | | | |
| | 40K | 40 K | 0.0% | A.F. | | | | | |
| x100 or x1000 | 100K | 100 K | 0.0% | A.F. | | | | | |
| | 250K | 250 K | 0.0% | A.F. | | | | | |
| | 400K | 400 K | 0.0% | A.F. | | | | | |

Is the As Found Data Within 20% of the Set Point?: ◉ Yes ○ No

Overload Light: ○ Adjusted ◉ Not Adj. Low Battery (2.2 V): ◉ Sat ○ Unsat

REMARKS: Client rental.

Does Instrument Meet Final Acceptance Criteria?: ◉ Yes ○ No

Calibration Sticker Attached?: ◉ Yes ○ No

Date Instrument is Due For Next Calibration: 07/25/08

Performed/Reviewed by: Joanne Glenn Date: 7/25/2007 Entered by: ____ Initials

GRIFFIN INSTRUMENTS

# CALIBRATION CERTIFICATE FOR 43-68 PROBE # PR104150

Owner: GI

| | | | |
|---|---|---|---|
| DATE: | 01/13/08 | LOCATION: | Griffin Inst |
| TECH: | Joanne Glenn | DATE LAST CAL EXPIRES: | 07/25/08 |

REASON FOR CALIBRATION:

○ Due For Calibration ○ Repair (See Remarks) ◉ Other (See Remarks) ○ Due and Repair

CABLE LENGTH: 5' INPUT SENSITIVITY: dual

## NIST TRACEABLE EQUIPMENT AND STANDARDS USED DURING CALIBRATION

| | | | | | |
|---|---|---|---|---|---|
| MODEL: | 2360 | SERIAL #: | 245800 | CAL. DUE: | 01/13/09 |
| MODEL: | | SERIAL #: | | CAL. DUE: | |

## NIST TRACEABLE SOURCES USED

| | | | |
|---|---|---|---|
| SOURCE #: | 2695-00 | SOURCE #: | DX-295 |
| ISOTOPE: | Tc99 | ISOTOPE: | C14 |
| ACTIVITY(dpm): | 18400 | ACTIVITY: | 68,000 dpm |
| ASSAY DATE: | 03/01/00 | ASSAY DATE: | 05/09/94 |

Condition: ◉ Sat ○ Unsat Efficiency from last cal.: Pu: Tc Ni: Th: C-14:

| | HV | Vernier |
|---|---|---|
| Setpoints from last cal.: | N/A | N/A |

| Source | Alpha Response CPM | Beta Response CPM | |
|---|---|---|---|
| Background: | | | |
| Pu-239: | | | A-B XTLK: |
| Tc-99 Ni: | | | B-A XTLK: |
| As Found Efficiencies Pu, Tc: | | | |
| Th-230 / C-14 | | / | / |
| Background: | | | |
| Pu-239: | | | A-B XTLK: |
| Tc-99 Ni: | | | B-A XTLK: |
| As Left Efficiencies Pu, Tc: | | | |
| Th-230 / C-14 | | / | / |

Is as found efficiency within 20% of the efficiency from the last cal? ○ Yes ◉ No (See Remarks)

Note: If the as found data is within 10% of the last calibration and the B-A Xtalk is <1% and the A-B Xtalk is <10%, then the technician may N/A the plateau section and go directly to remarks.

**GRIFFIN INSTRUMENTS**

**PROBE #: PR104150**
Date: 01/13/08

# PLATEAU AND SET POINT DATA

| HV / Vernier: | Tc-99 Source Response (CPM): | | | Pu-239 Source Response (CPM): | | | Background (CPM): | | Net A to B Xtalk: <10% | B to A Xtalk: <1% |
|---|---|---|---|---|---|---|---|---|---|---|
| | A ch. | B ch. | Net Eff. | A ch. | B ch. | Net Eff. | A ch. | B ch. | | |
| 1500 | 2 | 4201 | 22.4% | 2431 | 296 | 13.1% | 0 | 79 | 8.2% | <1% |
| 1550 | 0 | 5335 | 28.3% | 3096 | 287 | 16.7% | 0 | 129 | 4.9% | <1% |
| 1600 | 4 | 5745 | 30.1% | 3478 | 333 | 18.8% | 0 | 200 | 3.7% | <1% |
| 1650 | 48 | 4468 | 23.0% | 3907 | 403 | 21.1% | 0 | 227 | 4.3% | 1.07% |
| | | | | | | | | | | |
| | | | | | | | | | | |

**Alpha / Beta Bkg (cpm)** *2* *193*

| HV / Vernier | | Pu-239 | Tc-99 NI | Tc-99 SS | Th-230 | C-14 | Sr-90 |
|---|---|---|---|---|---|---|---|
| 1600 | CPM: | 3336 | 5780 | 7990 | 5192 | | 3310 |
| **4 pi AL Efficiencies:** | | **18.02%** | **30.36%** | **20.90%** | **17.30%** | | **30.85%** |
| ***2 pi AL Efficiencies:*** | | ***35.51%*** | ***48.58%*** | ***33.46%*** | ***34.14%*** | | ***44.13%*** |

Other NIST sources: Th-230 Source #99TH470-1815 4/11/06 30,000 dpm Pu-239 Source #2696-00 7/18/06 18,500dpm
Tc-99 on Stainless Steel Source #99TC470-1814 8/3/99 37,300 dpm, Sr90 Source #2697-00 3/1/00 12,200 dpm

REMARKS: Calibrated w/2360 and 5' cable. Used client C14 source. 7243 cpm - 193 bkg = 7050/68,000 dpm = 10.37% eff.

Does Instrument Meet Final Acceptance Criteria?: (●) Yes ( ) No

Calibration Sticker Attached?: (●) Yes ( ) No

Date Instrument is Due For Next Calibration: **01/13/09**

**Performed/Reviewed by:** Jeanne Glenn **Date:** 1/13/2008 **Entered by:** JP **Initials**

**2 pi efficiencies denoted in italics.** **Calibrations performed to ANSI N323A-1997 standards.**

GRIFFIN INSTRUMENTS

# CALIBRATION CERTIFICATE FOR 43-68 PROBE # PR178063

Owner: GI

DATE: 02/06/08 LOCATION: Griffin Inst

TECH: Joanne Glenn DATE LAST CAL EXPIRES:

REASON FOR CALIBRATION:

• Due For Calibration Repair (See Remarks) Other (See Remarks) Due and Repair

CABLE LENGTH: 5' INPUT SENSITIVITY: 4 mV

NIST TRACEABLE EQUIPMENT AND STANDARDS USED DURING CALIBRATION

| | | | | | |
|---|---|---|---|---|---|
| MODEL: | 12 | SERIAL #: | 115671 | CAL. DUE: | 02/06/09 |
| MODEL: | | SERIAL #: | | CAL. DUE: | |

NIST TRACEABLE SOURCES USED

| | | | |
|---|---|---|---|
| SOURCE #: | 2695-00 | SOURCE #: | DX-295 |
| ISOTOPE: | Tc99 | ISOTOPE: | C14 |
| ACTIVITY(dpm): | 18400 | ACTIVITY: | 68,000 dpm |
| ASSAY DATE: | 03/01/00 | ASSAY DATE: | 05/09/94 |

Condition: • Sat Unsat Efficiency from last cal.: Pu: Tc Ni: Th: C-14:

| | HV | Vernier |
|---|---|---|
| Setpoints from last cal.: | N/A | N/A |

| Source | Alpha Response CPM | Beta Response CPM | |
|---|---|---|---|
| Background: | | | |
| Pu-239: | | | A-B XTLK: |
| Tc-99 Ni: | | | B-A XTLK: |
| *As Found Efficiencies Pu, Tc:* | | | |
| Th-230 / C-14 | | / | / |
| *Background:* | | | |
| Pu-239: | | | A-B XTLK: |
| Tc-99 Ni: | | | B-A XTLK: |
| As Left Efficiencies Pu, Tc: | | | |
| Th-230 / C-14 | | / | / |

Is as found efficiency within 20% of the efficiency from the last cal? Yes • No (See Remarks)

Note: If the as found data is within 10% of the last calibration and the B-A Xtalk is <1% and the A-B Xtalk is <10%, then the technician may N/A the plateau section and go directly to remarks

**GRIFFIN INSTRUMENTS**

**PROBE #: PR178063**
Date: 02/06/08

α + B HV

## PLATEAU AND SET POINT DATA

| HV / Vernier: | Tc-99 Source Response (CPM): | | | Pu-239 Source Response (CPM): | | | Background (CPM): | | Net A to B Xtalk: <10% | B to A Xtalk: <1% |
|---|---|---|---|---|---|---|---|---|---|---|
| | A ch. | B ch. | Net Eff. | A ch. | B ch. | Net Eff. | A ch. | B ch. | | |
| 1500 | | 3114 | 16.7% | | | | | 50 | | |
| 1550 | | 4780 | 25.3% | | | | | 127 | | |
| 1600 | | 6279 | 33.2% | | | | | 170 | | |
| 1650 | | 6983 | 36.5% | | | | | 267 | | |
| 1700 | | 7184 | 37.5% | | | | | 278 | | |
| 1750 | | | | | | | | 385 | | |

**Alpha / Beta Bkg (cpm)** 266

| HV / Vernier | | Pu-239 | Tc-99 Ni | Tc-99 SS | Th-230 | C-14 | Sr-90 |
|---|---|---|---|---|---|---|---|
| 1700 | **CPM:** | | 7133 | 10075 | | | 4716 |
| **4 pi AL Efficiencies:** | | | **37.32%** | **26.30%** | | | **44.14%** |
| ***2 pi AL Efficiencies:*** | | | ***59.71%*** | ***42.10%*** | | | ***63.12%*** |

Other NIST sources: Th-230 Source #99TH470-1815 4/11/06 30,000 dpm Pu-239 Source #2696-00 7/18/06 18,500dpm
Tc-99 on Stainless Steel Source #99TC470-1814 8/3/99 37,300 dpm, Sr90 Source #2697-00 3/1/00 12,200 dpm

**PROBE #: PR178063**
*Date: 02/06/08*

α ONLY HV

## PLATEAU AND SET POINT DATA

| HV / Vernier: | Tc-99 Source Response (CPM): | | | Pu-239 Source Response (CPM): | | | Background (CPM): | | Net A to B Xtalk: <10% | B to A Xtalk: <1% |
|---|---|---|---|---|---|---|---|---|---|---|
| | A ch. | B ch. | Net Eff. | A ch. | B ch. | Net Eff. | A ch. | B ch. | | |
| 1000 | | | | 1463 | | 7.9% | 0 | | | |
| 1050 | | | | 3945 | | 21.3% | 1 | | | |
| 1100 | | | | 4339 | | 23.4% | 1 | | | |
| 1150 | | | | 4373 | | 23.6% | 1 | | | |
| 1200 | | | | 4473 | | 24.2% | 1 | | | |
| | | | | | | | | | | |

**Alpha / Beta Bkg (cpm)** 1

| HV / Vernier | | Pu-239 | Tc-99 Ni | Tc-99 SS | Th-230 | C-14 | Sr-90 |
|---|---|---|---|---|---|---|---|
| 1150 | **CPM:** | 4422 | | | 6469 | | |
| **4 pi AL Efficiencies:** | | **23.90%** | | | **21.56%** | | |
| ***2 pi AL Efficiencies:*** | | ***47.08%*** | | | ***42.55%*** | | |

Other NIST sources: Th-230 Source #99TH470-1815 4/11/06 30,000 dpm Pu-239 Source #2696-00 7/18/06 18,500dpm
Tc-99 on Stainless Steel Source #99TC470-1814 8/3/99 37,300 dpm, Sr90 Source #2697-00 3/1/00 12,200 dpm

## GRIFFIN INSTRUMENTS

REMARKS: No previous cal data. Calibrated w/12 #115671. Used client's C14 source. 8602 cpm - 246 bkg = /68,000dpm = 12.28 % efficiency.

| | | |
|---|---|---|
| Does Instrument Meet Final Acceptance Criteria?: | • Yes | No |
| Calibration Sticker Attached?: | • Yes | No |
| Date Instrument is Due For Next Calibration: | **02/06/09** | |

**Performed/Reviewed by:** Jeanne Glenn **Date:** 2/6/2008 **Entered by:** JP **Initials**

**2 pi efficiencies denoted in italics.**

**Calibrations performed to *ANSI N323A-1997* standards.**

GRIFFIN INSTRUMENTS

# CALIBRATION CERTIFICATE FOR 2221 SERIAL# 126501

Owner: CHASE ENV

DATE: 01/04/08 LOCATION: Griffin Inst

TECH: E.M.Glenn DATE LAST CAL EXPIRES: 01/04/08

Reason For Calibration: (●) Due For Calibration ( ) Repair (See Remarks) ( ) Other (See Remarks) ( ) Due and Repair (See Remarks)

## NIST TRACEABLE EQUIPMENT USED DURING CALIBRATION

MODEL: M-500 SERIAL #: 114512 CAL. DUE: 12/20/08

MODEL: SERIAL #: CAL DUE:

☑ Fast/Slow Switch working properly ☑ Audio Response ☑ Geotropism CABLE LENGTH 5'

CONDITION: Sat AF MECHANICAL ZERO: 0 AL MECHANICAL ZERO: 0

NEW BATTERIES: ( ) Yes (●) No BATTERY CHECK: 5.5 V

| HV | AS FOUND HV | AS LEFT HV |
|---|---|---|
| 600 V: | 598 | A.F. |
| 1200 V: | 1186 | A.F. |
| 1800 V: | 1802 | A.F. |

INPUT SENSITIVITY (mV): 3.7 AL INPUT SENSITIVITY (mV): 4

## RATE METER

| SCALE | RATE CPM | AS FOUND | % ERROR | AS LEFT | % ERROR |
|---|---|---|---|---|---|
| x.1 or x1 | 100 | 100 | 0.0% | A.F. | |
| | 250 | 250 | 0.0% | A.F. | |
| | 400 | 400 | 0.0% | A.F. | |
| x1 or x10 | 1000 | 1000 | 0.0% | A.F. | |
| | 2500 | 2500 | 0.0% | A.F. | |
| | 4000 | 4000 | 0.0% | A.F. | |
| x10 or x100 | 10K | 10 K | 0.0% | A.F. | |
| | 25K | 25 K | 0.0% | A.F. | |
| | 40K | 40 K | 0.0% | A.F. | |
| x100 or x1000 | 100K | 100 K | 0.0% | A.F. | |
| | 250K | 250 K | 0.0% | A.F. | |
| | 400K | 400 K | 0.0% | A.F. | |

## SCALER

| AS FOUND | % ERROR | AS LEFT | % ERROR |
|---|---|---|---|
| 251 | 0.4% | A.F. | |

Is the As Found Data Within 20% of the Set Point?: (●) Yes ( ) No

## LOG SCALE

| SCALE | RATE CPM | AS FOUND | % ERROR | AS LEFT | % ERROR |
|---|---|---|---|---|---|
| Log | 200 | 200 | 0.0% | A.F. | |
| | 2000 | 2000 | 0.0% | A.F. | |
| | 20K | 20 K | 0.0% | A.F. | |
| | 200K | 200 K | 0.0% | A.F. | |

Is the As Found Data Within 20% of the Set Point?: (●) Yes ( ) No

GRIFFIN INSTRUMENTS

# CALIBRATION CERTIFICATE FOR 43-68 PROBE # PR149839

**Owner:** CHASE ENV

| | | | |
|---|---|---|---|
| DATE: | 01/05/08 | LOCATION: | Griffin Inst |
| TECH: | Joanne Glenn | DATE LAST CAL EXPIRES: | 01/04/08 |

**REASON FOR CALIBRATION:**

(●) Due For Calibration ( ) Repair (See Remarks) ( ) Other (See Remarks) ( ) Due and Repair

CABLE LENGTH: 5' INPUT SENSITIVITY: 4 mV

**NIST TRACEABLE EQUIPMENT USED DURING CALIBRATION**

| | | | | | |
|---|---|---|---|---|---|
| MODEL: | 2221 | SERIAL #: | 126501 | CAL. DUE: | 01/04/09 |
| MODEL: | | SERIAL #: | | CAL. DUE: | |

**NIST TRACEABLE SOURCES**

| | | | |
|---|---|---|---|
| SOURCE #: | 2695-00 | SOURCE #: | DX 295 |
| ISOTOPE: | Tc99 | ISOTOPE: | C14 |
| ACTIVITY (dpm): | 18400 | ACTIVITY: | 68,000 dpm |
| ASSAY DATE: | 03/01/00 | ASSAY DATE: | 05/09/94 |

PHYSICAL CONDITION: Sat EFF. FROM LAST CAL.: 25.62% AF BKG: 364 HV ~~990V~~ 1750 V

3 ONE MINUTE COUNTS: 9673 9718 9749 AVERAGE: 9713.3

TC-99 EFFICIENCY: 25.07% *40.13%* SR-90 COUNT: 4653 SR-90 EFF: 42.45% *60.72%*

AS LEFT ONE MINUTE COUNTS: AVERAGE:

TC-99 EFFICIENCY: SR-90 COUNT: SR-90 EFF:

| | | |
|---|---|---|
| Is the as found efficiency within 20% of eff. from last cal.? | (●) Yes | ( ) No *See Remarks |
| Saturation Test Satisfactory | (●) Yes | ( ) No |
| Reproducibility: Are the individual counts within 10% of the average? | (●) Yes | ( ) No |
| Does the probe meet final acceptance criteria? | (●) Yes | ( ) No |
| Calibration sticker attached? | (●) Yes | ( ) No |

Remarks: Used Client's C14 source 8706 cpm - 364 bkg / 68000 dpm = 12.27%eff. Calibrated w/2221 #126501. HV = 1750. *Cal due 1/4/09 to match box.*

DATE PROBE IS DUE FOR NEXT CALIBRATION: 01/04/09

Performed/Reviewed by: Joanne Glenn JP Date: 1/5/2008 Entered by: JP Initials

Geometry: Flat surface unless otherwise noted. 2 pi efficiencies italicized.

Calibrations performed to ANSI N323A-1997 standards

# GRIFFIN INSTRUMENTS

SERIAL # 126501
01/04/08

| | | | | | |
|---|---|---|---|---|---|
| Audio Divide: | ◉ Sat | ○ Unsat | Push Buttons: | ◉ Sat | ○ Unsat |
| Lamp: | ◉ Sat | ○ Unsat | Scaler/Digital: | ◉ Sat | ○ Unsat |

Remarks: Married w/43-68 #PR149839.

| | | |
|---|---|---|
| Does Instrument Meet Final Acceptance Criteria?: | ◉ Yes | ○ No |
| Calibration Sticker Attached?: | ◉ Yes | ○ No |
| Date Instrument is Due For Next Calibration: | 01/04/09 | |

Performed/Reviewed by: E.G. E. M. Glenn  Date: 1/4/2008  Entered by: CB Initials

GRIFFIN INSTRUMENTS

# CALIBRATION CERTIFICATE FOR 2221 SERIAL# 127245

Owner: GI

DATE: 02/05/08 LOCATION: Griffin Inst

TECH: Joanne Glenn DATE LAST CAL EXPIRES: 03/09/07

Reason For Calibration: (•) Due For Calibration ( ) Repair (See Remarks)

( ) Other (See Remarks) ( ) Due and Repair (See Remarks)

**NIST TRACEABLE EQUIPMENT USED DURING CALIBRATION**

MODEL: M-500 SERIAL #: 114512 CAL. DUE: 12/20/08

MODEL: SERIAL #: CAL DUE:

☑ Fast/Slow Switch working properly ☑ Audio Response ☑ Geotropism CABLE LENGTH 6'

CONDITION: Sat AF MECHANICAL ZERO: 0 AL MECHANICAL ZERO: 0

NEW BATTERIES: (•) Yes ( ) No BATTERY CHECK: 6.2 V

| HV | AS FOUND HV | AS LEFT HV |
|---|---|---|
| 600 V: | 578 | A.F. |
| 1200 V: | 1195 | A.F. |
| 1800 V: | 1785 | A.F. |

F INPUT SENSITIVITY (mV): 4 AL INPUT SENSITIVITY (mV): A.F.

## RATE METER / SCALER

| SCALE | RATE CPM | AS FOUND | % ERROR | AS LEFT | % ERROR | AS FOUND | % ERROR | AS LEFT | % ERROR |
|---|---|---|---|---|---|---|---|---|---|
| x.1 or x1 | 100 | 100 | 0.0% | A.F. | | | | | |
| | 250 | 250 | 0.0% | A.F. | | 249 | 0.4% | A.F. | |
| | 400 | 400 | 0.0% | A.F. | | | | | |
| x1 or x10 | 1000 | 1000 | 0.0% | A.F. | | | | | |
| | 2500 | 2500 | 0.0% | A.F. | | | | | |
| | 4000 | 4000 | 0.0% | A.F. | | | | | |
| x10 or x100 | 10K | 10 K | 0.0% | A.F. | | | | | |
| | 25K | 25 K | 0.0% | A.F. | | | | | |
| | 40K | 40 K | 0.0% | A.F. | | | | | |
| x100 or x1000 | 100K | 100 K | 0.0% | A.F. | | | | | |
| | 250K | 250 K | 0.0% | A.F. | | | | | |
| | 400K | 400 K | 0.0% | A.F. | | | | | |

Is the As Found Data Within 20% of the Set Point?: (•) Yes ( ) No

## LOG SCALE

| SCALE | RATE CPM | AS FOUND | % ERROR | AS LEFT | % ERROR |
|---|---|---|---|---|---|
| Log | 200 | 200 | 0.0% | A.F. | |
| | 2000 | 2000 | 0.0% | A.F. | |
| | 20K | 20 K | 0.0% | A.F. | |
| | 200K | 200 K | 0.0% | A.F. | |

Is the As Found Data Within 20% of the Set Point?: (•) Yes ( ) No

## GRIFFIN INSTRUMENTS

SERIAL # 127245

02/05/08

| | | | | | |
|---|---|---|---|---|---|
| **Audio Divide:** | ● Sat | Unsat | **Push Buttons:** | ● Sat | Unsat |
| **Lamp:** | ● Sat | Unsat | **Scaler/Digital:** | ● Sat | Unsat |

*Remarks:* Calibrated w/43-37 #PR161372.

| | | |
|---|---|---|
| **Does Instrument Meet Final Acceptance Criteria?:** | ● Yes | No |
| **Calibration Sticker Attached?:** | ● Yes | No |
| **Date Instrument is Due For Next Calibration:** | 02/05/09 | |

**Performed/Reviewed by:** Joanne Glenn **Date:** 2/5/2008 **Entered by:** P **Initials**

GRIFFIN INSTRUMENTS

# CALIBRATION CERTIFICATE FOR 43-37 PROBE # PR161372

Owner: GI

| | | | |
|---|---|---|---|
| DATE: | 02/05/08 | LOCATION: | Griffin Inst |
| TECH: | Joanne Glenn | DATE LAST CAL EXPIRES: | 03/09/07 |

REASON FOR CALIBRATION:

• Due For Calibration  Repair (See Remarks)  Other (See Remarks)  Due and Repair

CABLE LENGTH: 6'  INPUT SENSITIVITY: 4 mV

NIST TRACEABLE EQUIPMENT AND STANDARDS USED DURING CALIBRATION

| | | | | | |
|---|---|---|---|---|---|
| MODEL: | 2221 | SERIAL #: | 127245 | CAL. DUE: | 02/05/09 |
| MODEL: | | SERIAL #: | | CAL. DUE: | |

NIST TRACEABLE SOURCES USED

| | | | |
|---|---|---|---|
| SOURCE #: | 2695-00 | SOURCE #: | DX-295 |
| ISOTOPE: | Tc99 | ISOTOPE: | C14 |
| ACTIVITY(dpm): | 18400 | ACTIVITY: | 68,000 dpm |
| ASSAY DATE: | 03/01/00 | ASSAY DATE: | 05/09/94 |

Condition: • Sat  Unsat  Efficiency from last cal.: Pu: 26.57%  Tc Ni: 30.77%  Th: 24.33%  C-14: 11.34%

| | HV | Vernier |
|---|---|---|
| Setpoints from last cal.: | 1750 | N/A |

| Source | Alpha Response CPM | | Beta Response CPM | |
|---|---|---|---|---|
| Background: | 834 | | 834 | |
| Pu-239: | 5855 | | | A-B XTLK: |
| Tc-99 Ni: | | | 7428 | B-A XTLK: |
| As Found Efficiencies Pu, Tc: | 27.14% | 53.47% | 35.84% | 57.34% |
| Th-230 / C-14 | 9741 | / | | 29.69% / 58.60% |
| Background: | | | | |
| Pu-239: | | | | A-B XTLK: |
| Tc-99 Ni: | | | | B-A XTLK: |
| As Left Efficiencies Pu, Tc: | | | | |
| Th-230 / C-14 | | / | | / |

Is as found efficiency within 20% of the efficiency from the last cal? • Yes  No (See Remarks)

Note: If the as found data is within 10% of the last calibration and the B-A Xtalk is <1% and the A-B Xtalk is <10% then the technician may N/A the plateau section and go directly to remarks

**GRIFFIN INSTRUMENTS**

α + B HV

**PROBE #: PR161372**
Date: 02/05/08

## PLATEAU AND SET POINT DATA

| HV / Vernier: | Tc-99 Source Response (CPM): | | | Pu-239 Source Response (CPM): | | | Background (CPM): | | Net A to B Xtalk: <10% | B to A Xtalk: <1% |
|---|---|---|---|---|---|---|---|---|---|---|
| | A ch. | B ch. | Net Eff. | A ch. | B ch. | Net Eff. | A ch. | B ch. | | |
| 1650 | | 4390 | 22.3% | | | | | 283 | | |
| 1700 | | 6086 | 30.5% | | | | | 481 | | |
| 1750 | | 7193 | 34.9% | | | | | 772 | | |
| 1800 | | 7789 | 36.4% | | | | | 1090 | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

**Alpha / Beta Bkg (cpm)** 791

| HV / Vernier | | Pu-239 | Tc-99 Ni | Tc-99 SS | Th-230 | C-14 | Sr-90 |
|---|---|---|---|---|---|---|---|
| 1750 | CPM: | | 7333 | 9822 | | | 4383 |
| **4 pi AL Efficiencies:** | | | **36.55%** | **24.21%** | | | **35.63%** |
| ***2 pi AL Efficiencies:*** | | | ***56.89%*** | ***38.76%*** | | | ***50.95%*** |

Other NIST sources: Th-230 Source #99TH470-1815 4/11/06 30,000 dpm Pu-239 Source #2696-00 7/18/06 18,500dpm
Tc-99 on Stainless Steel Source #99TC470-1814 8/3/99 37,300 dpm, Sr90 Source #2697-00 3/1/00 12,200 dpm

α only HV

**PROBE #: PR161372**
Date: 02/05/08

## PLATEAU AND SET POINT DATA

| HV / Vernier: | Tc-99 Source Response (CPM): | | | Pu-239 Source Response (CPM): | | | Background (CPM): | | Net A to B Xtalk: <10% | B to A Xtalk: <1% |
|---|---|---|---|---|---|---|---|---|---|---|
| | A ch. | B ch. | Net Eff. | A ch. | B ch. | Net Eff. | A ch. | B ch. | | |
| 1200 | | | | 4278 | | 23.1% | 7 | | | |
| 1250 | | | | 4405 | | 23.8% | 5 | | | |
| 1300 | | | | 4598 | | 24.8% | 9 | | | |
| 1350 | | | | 4776 | | 25.8% | 11 | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

**Alpha / Beta Bkg (cpm)** 9

| HV / Vernier | | Pu-239 | Tc-99 Ni | Tc-99 SS | Th-230 | C-14 | Sr-90 |
|---|---|---|---|---|---|---|---|
| 1300 | CPM: | 4598 | | | 6973 | | |
| **4 pi AL Efficiencies:** | | **24.81%** | | | **23.21%** | | |
| ***2 pi AL Efficiencies:*** | | ***48.87%*** | | | ***45.82%*** | | |

Other NIST sources: Th-230 Source #99TH470-1815 4/11/06 30,000 dpm Pu-239 Source #2696-00 7/18/06 18,500dpm
Tc-99 on Stainless Steel Source #99TC470-1814 8/3/99 37,300 dpm, Sr90 Source #2697-00 3/1/00 12,200 dpm

## GRIFFIN INSTRUMENTS

127245

REMARKS: Calibrated w/2221 #~~164372~~. Used client's C14 Source, 9524 cpm - 693 bkg = /68,000 dpm = 12.99% eff.

Does Instrument Meet Final Acceptance Criteria?: • Yes No

Calibration Sticker Attached?: • Yes No

Date Instrument is Due For Next Calibration: **02/05/09**

**Performed/Reviewed by:** Jeanne Ghent **Date:** 2/5/2008 **Entered by:** ____ **Initials**

**2 pi efficiencies denoted in italics.**

***Calibrations performed to ANSI N323A-1997 standards.***

GRIFFIN INSTRUMENTS

# CALIBRATION CERTIFICATE FOR 2221 SERIAL# 202370

Owner: GI

DATE: 10/18/07 LOCATION: Griffin Inst

TECH: Joanne Glenn DATE LAST CAL EXPIRES: 04/19/07

Reason For Calibration: (●) Due For Calibration ( ) Repair (See Remarks) ( ) Other (See Remarks) ( ) Due and Repair (See Remarks)

## NIST TRACEABLE EQUIPMENT USED DURING CALIBRATION

MODEL: M-500 SERIAL #: 114512 CAL. DUE: 12/11/07

MODEL: SERIAL #: CAL DUE:

☑ Fast/Slow Switch working properly ☑ Audio Response ☑ Geotropism CABLE LENGTH 6'

CONDITION: Sat AF MECHANICAL ZERO: 0 AL MECHANICAL ZERO: 0

NEW BATTERIES: (●) Yes ( ) No BATTERY CHECK: 6.2 V

| HV | AS FOUND HV | AS LEFT HV |
|---|---|---|
| 600 V: | 596 | A.F. |
| 1200 V: | 1200 | A.F. |
| 1800 V: | 1792 | A.F. |

AF INPUT SENSITIVITY (mV): 4 AL INPUT SENSITIVITY (mV): 4

## RATE METER / SCALER

| SCALE | RATE CPM | AS FOUND | | % ERROR | AS LEFT | % ERROR | AS FOUND | % ERROR | AS LEFT | % ERROR |
|---|---|---|---|---|---|---|---|---|---|---|
| x.1 or x1 | 100 | 100 | | 0.0% | A.F. | | | | | |
| | 250 | 250 | | 0.0% | A.F. | | 250 | 0.0% | A.F. | |
| | 400 | 400 | | 0.0% | A.F. | | | | | |
| x1 or x10 | 1000 | 1000 | | 0.0% | A.F. | | | | | |
| | 2500 | 2500 | | 0.0% | A.F. | | | | | |
| | 4000 | 4000 | | 0.0% | A.F. | | | | | |
| x10 or x100 | 10K | 10 | K | 0.0% | A.F. | | | | | |
| | 25K | 25 | K | 0.0% | A.F. | | | | | |
| | 40K | 40 | K | 0.0% | A.F. | | | | | |
| x100 or x1000 | 100K | 100 | K | 0.0% | A.F. | | | | | |
| | 250K | 250 | K | 0.0% | A.F. | | | | | |
| | 400K | 400 | K | 0.0% | A.F. | | | | | |

Is the As Found Data Within 20% of the Set Point?: (●) Yes ( ) No

## LOG SCALE

| SCALE | RATE CPM | AS FOUND | | % ERROR | AS LEFT | % ERROR |
|---|---|---|---|---|---|---|
| Log | 200 | 200 | | 0.0% | A.F. | |
| | 2000 | 2000 | | 0.0% | A.F. | |
| | 20K | 20 | K | 0.0% | A.F. | |
| | 200K | 200 | K | 0.0% | A.F. | |

Is the As Found Data Within 20% of the Set Point?: (●) Yes ( ) No

## GRIFFIN INSTRUMENTS

**SERIAL #** **202370**
**10/18/07**

| | | | | | |
|---|---|---|---|---|---|
| **Audio Divide:** | ● Sat | ○ Unsat | **Push Buttons:** | ● Sat | ○ Unsat |
| **Lamp:** | ● Sat | ○ Unsat | **Scaler/Digital:** | ● Sat | ○ Unsat |

Remarks:

| | | |
|---|---|---|
| **Does Instrument Meet Final Acceptance Criteria?:** | ● Yes | ○ No |
| **Calibration Sticker Attached?:** | ● Yes | ○ No |
| **Date Instrument is Due For Next Calibration:** | **10/18/08** | |

**Performed/Reviewed by:** Jerome Glenn **Date:** 10/18/2007 **Entered by:** _____ **Initials**

GRIFFIN INSTRUMENTS

# CALIBRATION CERTIFICATE FOR 43-37 PROBE # PR190617

Owner: GI

| | | | |
|---|---|---|---|
| DATE: | 10/18/07 | LOCATION: | Griffin Inst |
| TECH: | Joanne Glenn | DATE LAST CAL EXPIRES: | 04/19/07 |

REASON FOR CALIBRATION:

● Due For Calibration ○ Repair (See Remarks) ○ Other (See Remarks) ○ Due and Repair

CABLE LENGTH: 6' INPUT SENSITIVITY: 4 mV

## NIST TRACEABLE EQUIPMENT AND STANDARDS USED DURING CALIBRATION

| | | | | | |
|---|---|---|---|---|---|
| MODEL: | 2221 | SERIAL #: | 202370 | CAL. DUE: | 10/18/08 |
| MODEL: | | SERIAL #: | | CAL. DUE: | |

## NIST TRACEABLE SOURCES USED

| | | | |
|---|---|---|---|
| SOURCE #: | 2695-00 | SOURCE #: | E1-392 |
| ISOTOPE: | Tc99 | ISOTOPE: | C14 |
| ACTIVITY(dpm): | 18400 | ACTIVITY: | 47,660 dpm |
| ASSAY DATE: | 03/01/00 | ASSAY DATE: | 04/01/07 |

Condition: ● Sat ○ Unsat Efficiency from last cal.: Pu: 23.40% Tc Ni: Th: 28.43% C-14: 11.73%

| | HV | Vernier |
|---|---|---|
| Setpoints from last cal.: | 1800 | N/A |

| Source | Alpha Response CPM | Beta Response CPM | |
|---|---|---|---|
| Background: | | | |
| Pu-239: | | | A-B XTLK: |
| Tc-99 Ni: | | | B-A XTLK: |
| As Found Efficiencies Pu, Tc: | | | |
| Th-230 / C-14 | | / | / |
| Background: | | | |
| Pu-239: | | | A-B XTLK: |
| Tc-99 Ni: | | | B-A XTLK: |
| As Left Efficiencies Pu, Tc: | | | |
| Th-230 / C-14 | | / | / |

Is as found efficiency within 20% of the efficiency from the last cal? ○ Yes ● No (See Remarks)

Note: If the as found data is within 10% of the last calibration and the B-A Xtalk is <1% and the A-B Xtalk is <10%, then the technician may N/A the plateau section and go directly to remarks.

**GRIFFIN INSTRUMENTS**

α only

**PROBE #: PR190617**
Date: 10/18/07

## PLATEAU AND SET POINT DATA

| HV / Vernier: | Tc-99 Source Response (CPM): | | | Pu-239 Source Response (CPM): | | | Background (CPM): | | Net A to B Xtalk: <10% | B to A Xtalk: <1% |
|---|---|---|---|---|---|---|---|---|---|---|
| | A ch. | B ch. | Net Eff. | A ch. | B ch. | Net Eff. | A ch. | B ch. | | |
| 1150 | | | | 4028 | | 21.7% | 5 | | | |
| 1200 | | | | 4312 | | 23.3% | 2 | | | |
| 1250 | | | | 4383 | | 23.7% | 3 | | | |
| 1300 | | | | 4486 | | 24.2% | 4 | | | |
| 1350 | | | | 4599 | | 24.8% | 6 | | | |
| | | | | | | | | | | |

**Alpha / Beta Bkg (cpm)** 1

| HV / Vernier | | Pu-239 | Tc-99 Ni | Tc-99 SS | Th-230 | C-14 | Sr-90 |
|---|---|---|---|---|---|---|---|
| 1300 | CPM: | 4415 | | | 6730 | | |
| **4 pi AL Efficiencies:** | | **23.86%** | | | **22.43%** | | |
| ***2 pi AL Efficiencies:*** | | ***47.01%*** | | | ***44.27%*** | | |

*Other NIST sources: Th-230 Source #99TH470-1815 4/11/06 30,000 dpm Pu-239 Source #2696-00 7/18/06 18,500dpm*
Tc-99 on Stainless Steel Source #99TC470-1814 8/3/99 37,300 dpm, Sr90 Source #2697-00 3/1/00 12,200 dpm

α + β

**PROBE #: PR190617**
Date: 10/18/07

## PLATEAU AND SET POINT DATA

| HV / Vernier: | Tc-99 Source Response (CPM): | | | Pu-239 Source Response (CPM): | | | Background (CPM): | | Net A to B Xtalk: <10% | B to A Xtalk: <1% |
|---|---|---|---|---|---|---|---|---|---|---|
| | A ch. | B ch. | Net Eff. | A ch. | B ch. | Net Eff. | A ch. | B ch. | | |
| 1700 | | 6833 | 33.3% | | | | | 713 | | |
| 1750 | | 7484 | 35.2% | | | | | 1005 | | |
| 1800 | | | | | | | | 1156 | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

**Alpha / Beta Bkg (cpm)** 1032

| HV / Vernier | | Pu-239 | Tc-99 Ni | Tc-99 SS | Th-230 | C-14 | Sr-90 |
|---|---|---|---|---|---|---|---|
| 1750 | CPM: | | 7698 | 10246 | | 5251 | 4825 |
| **4 pi AL Efficiencies:** | | | **36.23%** | **24.70%** | | **8.85%** N/A | **37.32%** |
| ***2 pi AL Efficiencies:*** | | | ***57.97%*** | ***39.55%*** | | ***44.70%*** | ***53.37%*** |

*Other NIST sources: Th-230 Source #99TH470-1815 4/11/06 30,000 dpm Pu-239 Source #2696-00 7/18/06 18,500dpm*
Tc-99 on Stainless Steel Source #99TC470-1814 8/3/99 37,300 dpm, Sr90 Source #2697-00 3/1/00 12,200 dpm

## GRIFFIN INSTRUMENTS

REMARKS: Switched to alpha only and alpha + beta voltages.

Does Instrument Meet Final Acceptance Criteria?: (•) Yes ( ) No

Calibration Sticker Attached?: (•) Yes ( ) No

Date Instrument is Due For Next Calibration: 10/18/08

Performed/Reviewed by: Jeanne Glenn JG Date: 10/18/2007 Entered by: JG Initials

2 pi efficiencies denoted in italics.

Calibrations performed to ANSI N323A-1997 standards.

Performed by Jeanne Glenn 1/13/08

CALIBRATED w/ Client's C14 100 cm² SOURCE

SERIAL # DX-295

ACTIVITY: 68,000 dpm

Assay date: 5-9-94

10442 cpm
- 1002 cpm BKG

9440 / 68,000 = 13.88% EFF.

GRIFFIN INSTRUMENTS

# CALIBRATION CERTIFICATE FOR 2221 SERIAL# 196059

Owner: GI

DATE: 10/18/07 LOCATION: Griffin Inst

TECH: Joanne Glenn DATE LAST CAL EXPIRES: 04/19/07

Reason For Calibration: (●) Due For Calibration ( ) Repair (See Remarks)

( ) Other (See Remarks) ( ) Due and Repair (See Remarks)

NIST TRACEABLE EQUIPMENT USED DURING CALIBRATION

MODEL: M-500 SERIAL #: 114512 CAL. DUE: 12/11/07

MODEL: SERIAL #: CAL DUE:

☑ Fast/Slow Switch working properly ☑ Audio Response ☑ Geotropism CABLE LENGTH 6'

CONDITION: Sat AF MECHANICAL ZERO: 0 AL MECHANICAL ZERO: 0

NEW BATTERIES: (●) Yes ( ) No BATTERY CHECK: Sat

| HV | AS FOUND HV | AS LEFT HV |
|---|---|---|
| 600 V: | 599 | A.F. |
| 1200 V: | 1202 | A.F. |
| 1800 V: | 1801 | A.F. |

AF INPUT SENSITIVITY (mV): 10 AL INPUT SENSITIVITY (mV): 10

## RATE METER / SCALER

| SCALE | RATE CPM | AS FOUND | % ERROR | AS LEFT | % ERROR | AS FOUND | % ERROR | AS LEFT | % ERROR |
|---|---|---|---|---|---|---|---|---|---|
| x.1 or x1 | 100 | 100 | 0.0% | A.F. | | | | | |
| | 250 | 250 | 0.0% | A.F. | | 250 | 0.0% | A.F. | |
| | 400 | 400 | 0.0% | A.F. | | | | | |
| x1 or x10 | 1000 | 1000 | 0.0% | A.F. | | | | | |
| | 2500 | 2500 | 0.0% | A.F. | | | | | |
| | 4000 | 4000 | 0.0% | A.F. | | | | | |
| x10 or x100 | 10K | 10 K | 0.0% | A.F. | | | | | |
| | 25K | 25 K | 0.0% | A.F. | | | | | |
| | 40K | 40 K | 0.0% | A.F. | | | | | |
| x100 or x1000 | 100K | 100 K | 0.0% | A.F. | | | | | |
| | 250K | 250 K | 0.0% | A.F. | | | | | |
| | 400K | 400 K | 0.0% | A.F. | | | | | |

Is the As Found Data Within 20% of the Set Point?: (●) Yes ( ) No

## LOG SCALE

| SCALE | RATE CPM | AS FOUND | % ERROR | AS LEFT | % ERROR |
|---|---|---|---|---|---|
| Log | 200 | 200 | 0.0% | A.F. | |
| | 2000 | 2000 | 0.0% | A.F. | |
| | 20K | 20 K | 0.0% | A.F. | |
| | 200K | 200 K | 0.0% | A.F. | |

Is the As Found Data Within 20% of the Set Point?: (●) Yes ( ) No

## GRIFFIN INSTRUMENTS

SERIAL # 196059
10/18/07

| | | | |
|---|---|---|---|
| Audio Divide: | ● Sat ○ Unsat | Push Buttons: | ● Sat ○ Unsat |
| Lamp: | ● Sat ○ Unsat | Scaler/Digital: | ● Sat ○ Unsat |

Remarks:

| | | |
|---|---|---|
| Does Instrument Meet Final Acceptance Criteria?: | ● Yes | ○ No |
| Calibration Sticker Attached?: | ● Yes | ○ No |
| Date Instrument is Due For Next Calibration: | 10/18/08 | |

Performed/Reviewed by: Jeanne Glenn Date: 10/18/2007 Entered by: _____ Initials

GRIFFIN INSTRUMENTS

# CALIBRATION CERTIFICATE FOR 43-37 PROBE # PR190618

Owner: GI

| | | | |
|---|---|---|---|
| DATE: | 10/18/07 | LOCATION: | Griffin Inst |
| TECH: | Joanne Glenn | DATE LAST CAL EXPIRES: | 04/07/07 |

REASON FOR CALIBRATION:

(•) Due For Calibration ( ) Repair (See Remarks) ( ) Other (See Remarks) ( ) Due and Repair

CABLE LENGTH: 6' INPUT SENSITIVITY: 4 mV

## NIST TRACEABLE EQUIPMENT AND STANDARDS USED DURING CALIBRATION

| | | | | | |
|---|---|---|---|---|---|
| MODEL: | 2221 | SERIAL #: | 196059 | CAL. DUE: | 10/18/08 |
| MODEL: | | SERIAL #: | | CAL. DUE: | |

## NIST TRACEABLE SOURCES USED

| | | | |
|---|---|---|---|
| SOURCE #: | 2695-00 | SOURCE #: | E1-392 |
| ISOTOPE: | Tc99 | ISOTOPE: | C14 |
| ACTIVITY(dpm): | 18400 | ACTIVITY: | 47,660 dpm |
| ASSAY DATE: | 03/01/00 | ASSAY DATE: | 04/01/07 |

Condition: (•) Sat ( ) Unsat

Efficiency from last cal.: Pu: 26.38% Tc Ni: 36.28% Th: 31.28% C-14: 11.70%

| | HV | Vernier |
|---|---|---|
| Setpoints from last cal.: | 1800 | N/A |

| Source | Alpha Response CPM | Beta Response CPM | |
|---|---|---|---|
| Background: | | | |
| Pu-239: | | | A-B XTLK: |
| Tc-99 Ni: | | | B-A XTLK: |
| As Found Efficiencies Pu, Tc: | | | |
| Th-230 / C-14 | | / | / |
| Background: | | | |
| Pu-239: | | | A-B XTLK: |
| Tc-99 Ni: | | | B-A XTLK: |
| As Left Efficiencies Pu, Tc: | | | |
| Th-230 / C-14 | | / | / |

Is as found efficiency within 20% of the efficiency from the last cal? ( ) Yes (•) No (See Remarks)

Note: If the as found data is within 10% of the last calibration and the B-A Xtalk is <1% and the A-B Xtalk is <10%, then the technician may N/A the plateau section and go directly to remarks.

**GRIFFIN INSTRUMENTS**

α + β

**PROBE #:** **PR190618**
Date: 10/18/07

## PLATEAU AND SET POINT DATA

| HV / Vernier: | Tc-99 Source Response (CPM): | | | Pu-239 Source Response (CPM): | | | Background (CPM): | | Net A to B Xtalk: <10% | B to A Xtalk: <1% |
|---|---|---|---|---|---|---|---|---|---|---|
| | A ch. | B ch. | Net Eff. | A ch. | B ch. | Net Eff. | A ch. | B ch. | | |
| 1700 | | 5281 | 26.8% | | | | | 344 | | |
| 1750 | | 6883 | 34.0% | | | | | 622 | | |
| 1800 | | 7655 | 36.2% | | | | | 991 | | |
| 1850 | | | | | | | | 1146 | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

**Alpha / Beta Bkg (cpm)** 1012

| HV / Vernier | | Pu-239 | Tc-99 Ni | Tc-99 SS | Th-230 | C-14 | Sr-90 |
|---|---|---|---|---|---|---|---|
| 1800 | CPM: | | 7508 | 10409 | | 511~~7~~ N/A | 5027 |
| | **4 pi AL Efficiencies:** | | **35.30%** | **25.19%** | | 8.~~6~~1% | **39.50%** |
| | ***2 pi AL Efficiencies:*** | | ***56.49%*** | ***40.33%*** | | ***43.49%*** | ***56.50%*** |

Other NIST sources: Th-230 Source #99TH470-1815 4/11/06 30,000 dpm Pu-239 Source #2696-00 7/18/06 18,500dpm
Tc-99 on Stainless Steel Source #99TC470-1814 8/3/99 37,300 dpm, Sr90 Source #2697-00 3/1/00 12,200 dpm

α only

**PROBE #:** **PR190618**
Date: 10/18/07

## PLATEAU AND SET POINT DATA

| HV / Vernier: | Tc-99 Source Response (CPM): | | | Pu-239 Source Response (CPM): | | | Background (CPM): | | Net A to B Xtalk: <10% | B to A Xtalk: <1% |
|---|---|---|---|---|---|---|---|---|---|---|
| | A ch. | B ch. | Net Eff. | A ch. | B ch. | Net Eff. | A ch. | B ch. | | |
| 1150 | | | | 1336 | | 7.2% | 1 | | | |
| 1200 | | | | 4054 | | 21.9% | 0 | | | |
| 1250 | | | | 4389 | | 23.7% | 1 | | | |
| 1300 | | | | 4520 | | 24.4% | 1 | | | |
| 1350 | | | | 4548 | | 24.6% | 5 | | | |
| | | | | | | | | | | |

**Alpha / Beta Bkg (cpm)** 1

| HV / Vernier | | Pu-239 | Tc-99 Ni | Tc-99 SS | Th-230 | C-14 | Sr-90 |
|---|---|---|---|---|---|---|---|
| 1300 | CPM: | 4520 | | | 6578 | | |
| | ***4 pi AL Efficiencies:*** | ***24.43%*** | | | ***21.92%*** | | |
| | ***2 pi AL Efficiencies:*** | ***48.13%*** | | | ***43.27%*** | | |

Other NIST sources: Th-230 Source #99TH470-1815 4/11/06 30,000 dpm Pu-239 Source #2696-00 7/18/06 18,500dpm
Tc-99 on Stainless Steel Source #99TC470-1814 8/3/99 37,300 dpm, Sr90 Source #2697-00 3/1/00 12,200 dpm

**GRIFFIN INSTRUMENTS**

REMARKS:

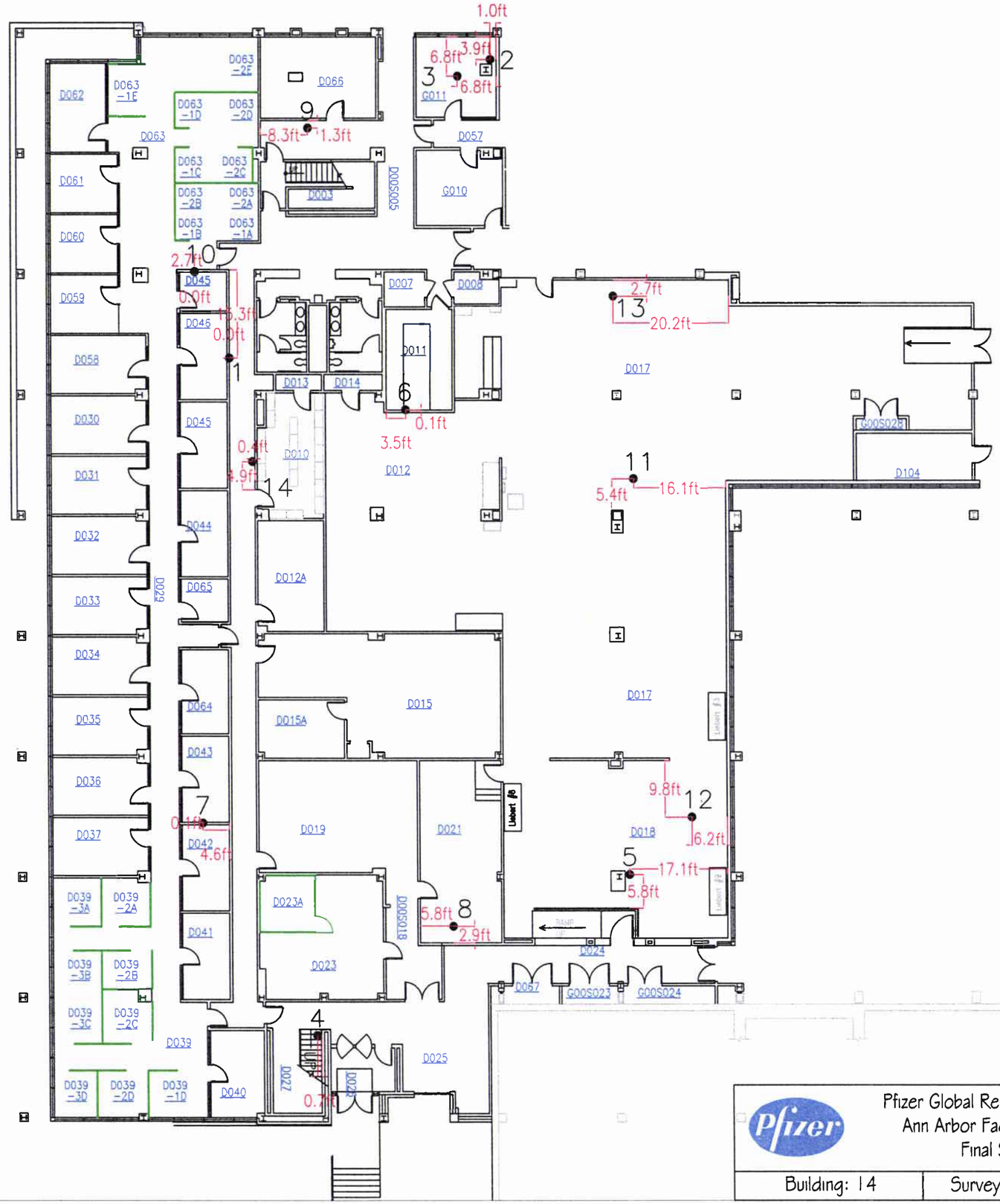
| | | |
|---|---|---|
| Does Instrument Meet Final Acceptance Criteria?: | (•) Yes | ( ) No |
| Calibration Sticker Attached?: | (•) Yes | ( ) No |
| Date Instrument is Due For Next Calibration: | 10/18/08 | |

**Performed/Reviewed by:** Joanne Glenn **Date:** 10/18/2007 **Entered by:** JP **Initials**

**2 pi efficiencies denoted in italics.** **Calibrations performed to ANSI N323A-1997 standards.**

PERFORMED BY Joanne Glenn 1/13/08
CALIBRATED W/CLIENT'S C14 100 cm² SOURCE.
SERIAL # DX-295
ACTIVITY: 68,000 DPM
ASSAY DATE: 5-9-94

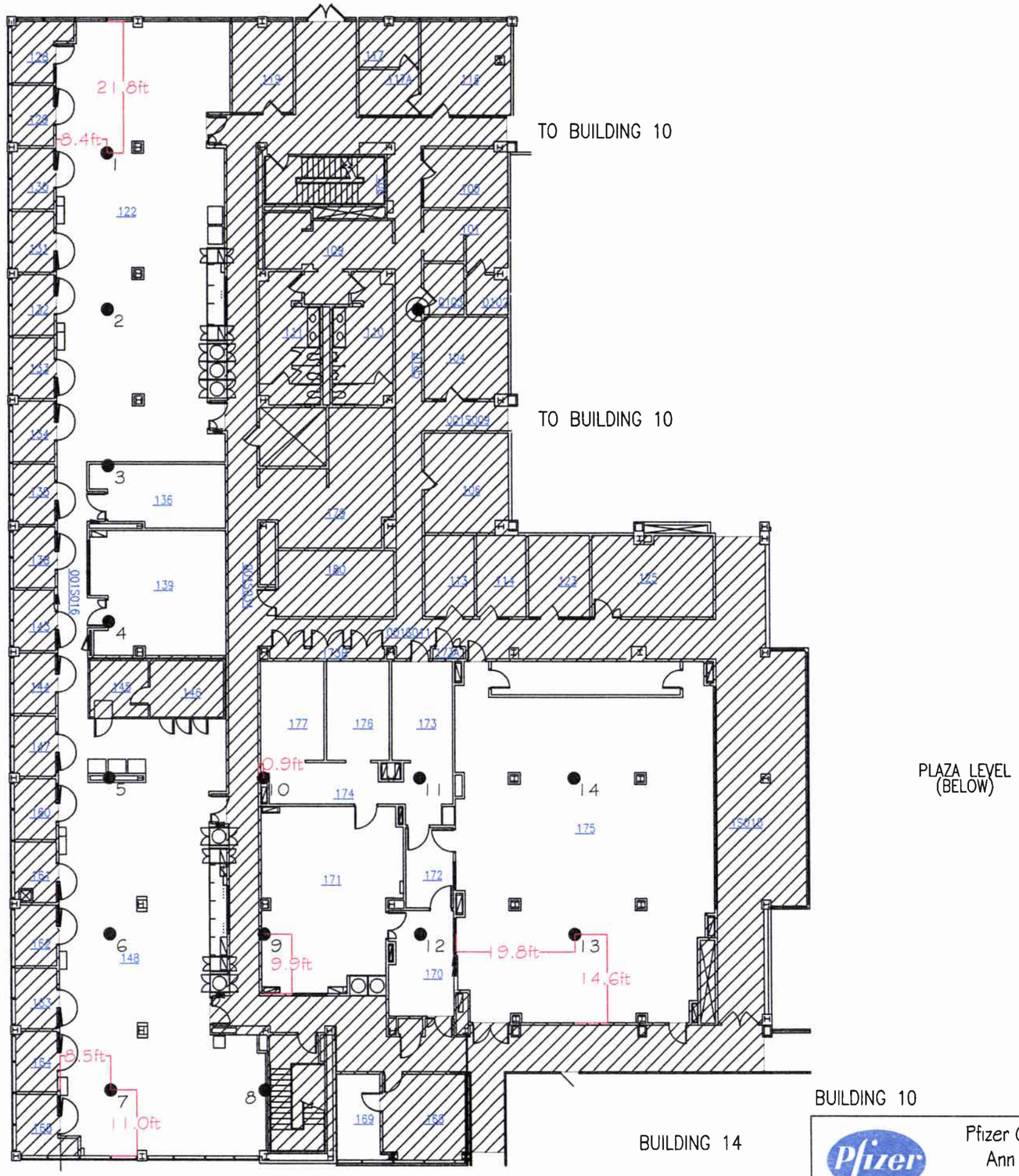
10 200 cpm
− 995 cpm BKG
9205 / 68,000 = 13.54% EFF.




• Sample Location

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

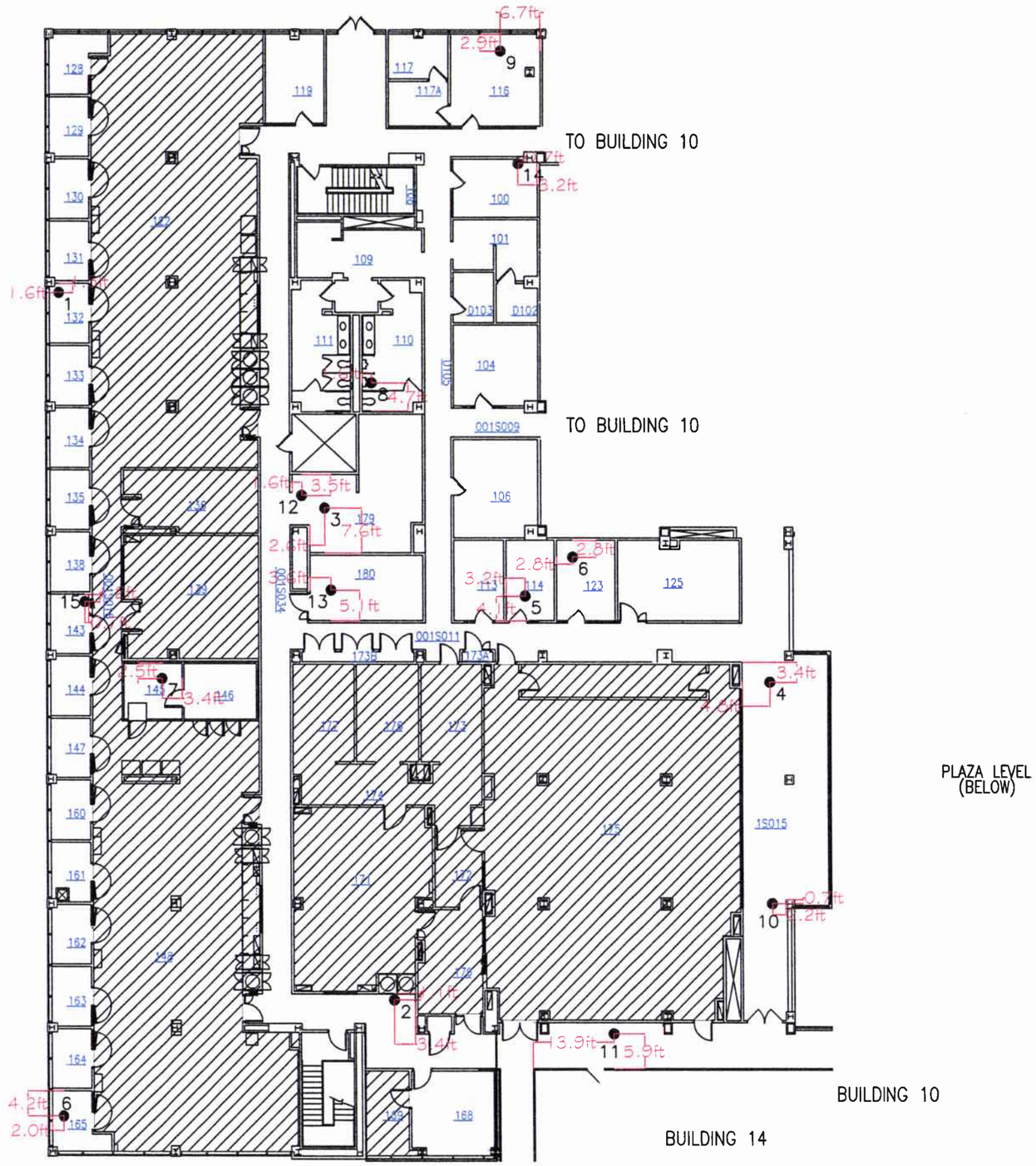
| Building: 14 | Survey Unit: G301 | Page: D.1 of D.65 |
|---|---|---|




Random Start Location

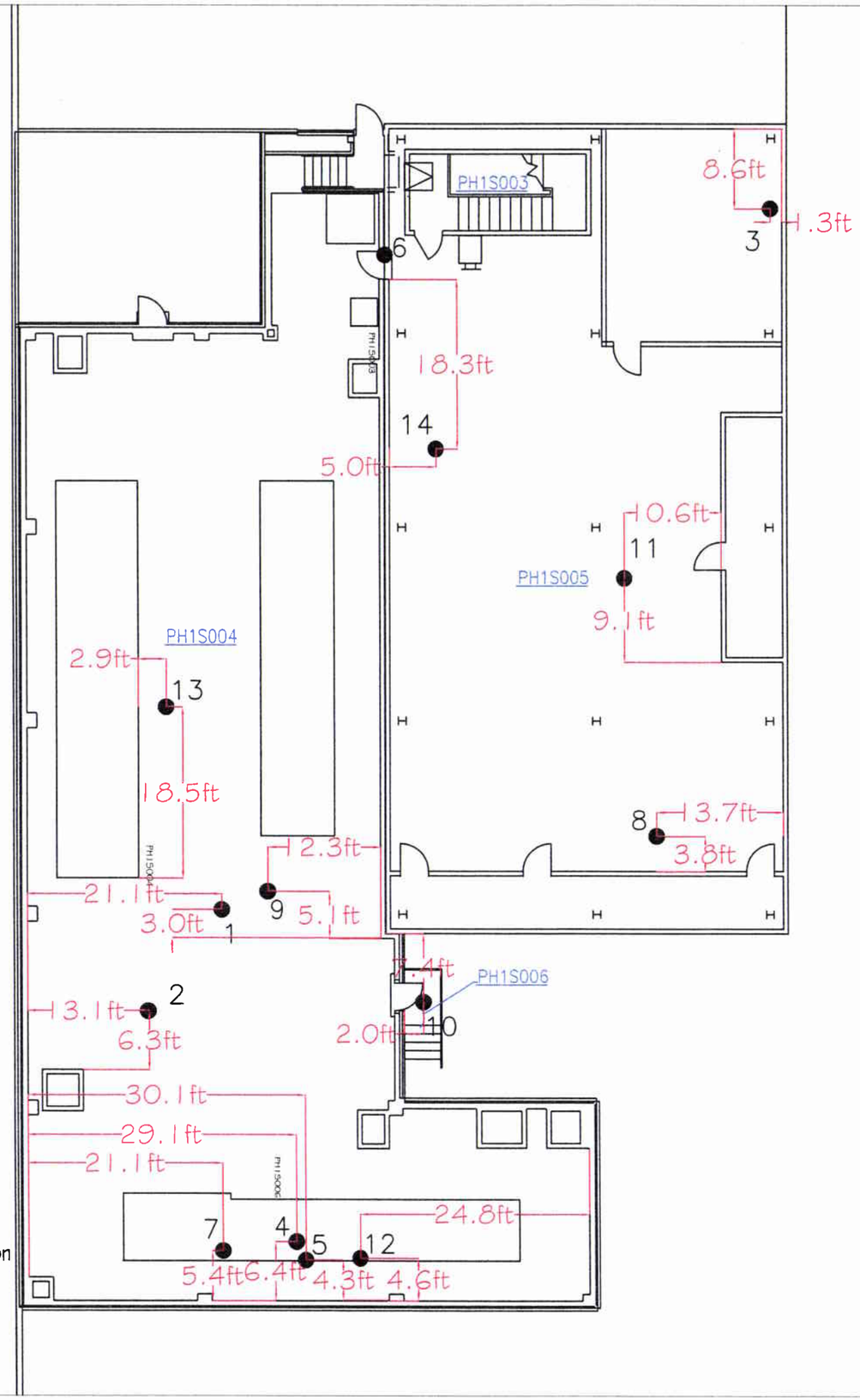
Spacing = 26ft

| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 14 | Survey Unit: 1201 | Page: D.2 of D.65 |



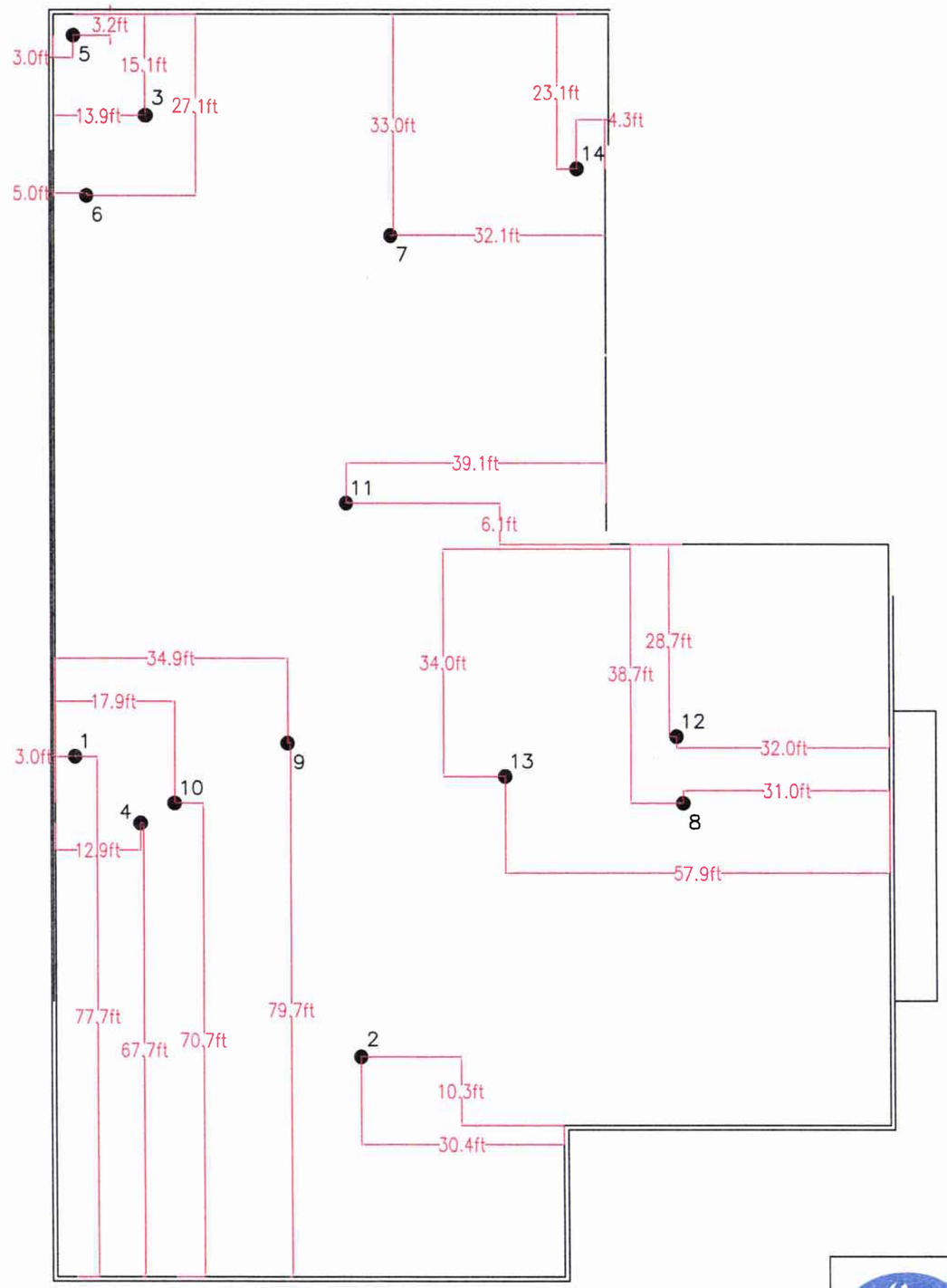

● Sample Location

| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 14 | Survey Unit: 1301 | Page: D.3 of D.65 |




• Sample Location

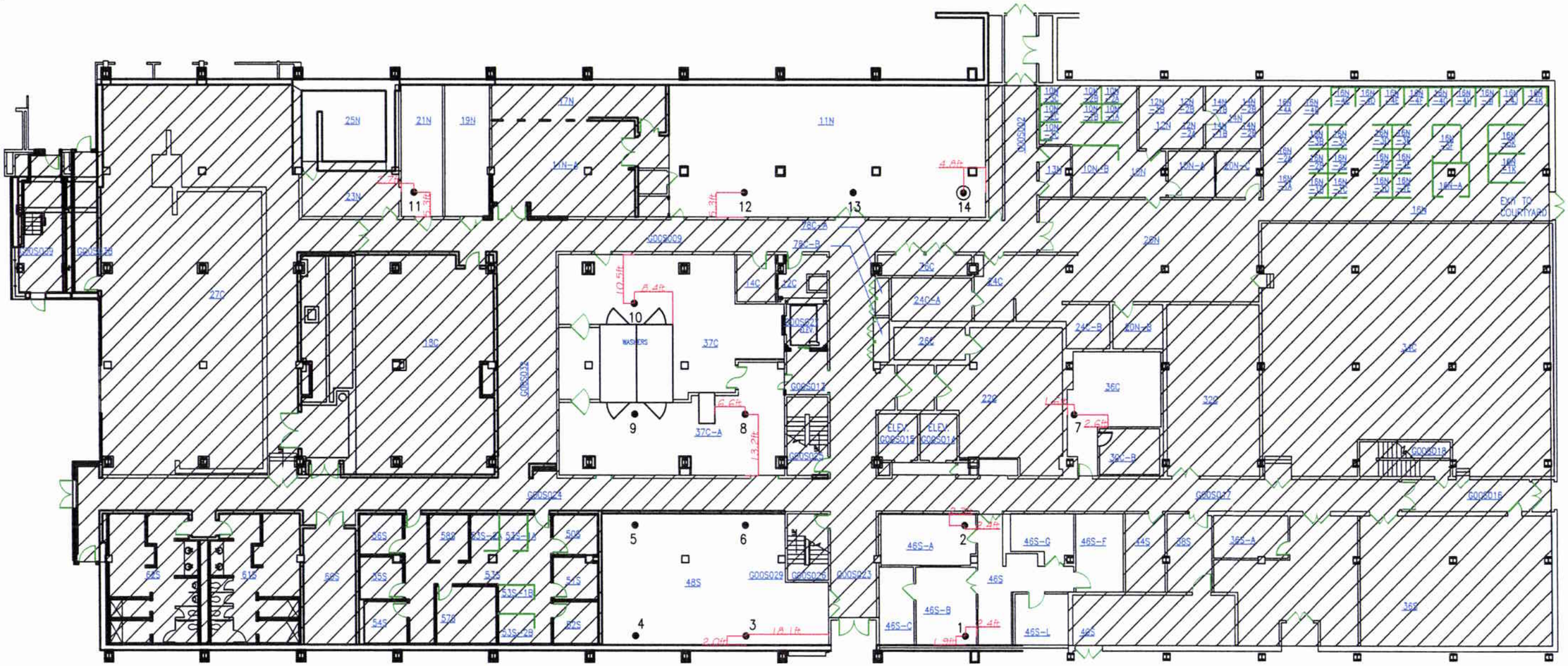
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 14 | Survey Unit: P301 | Page: D.4 of D.65 |




● Sample Location

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 14 | Survey Unit: R301 | Page: D.5 of D.65 |
|---|---|---|

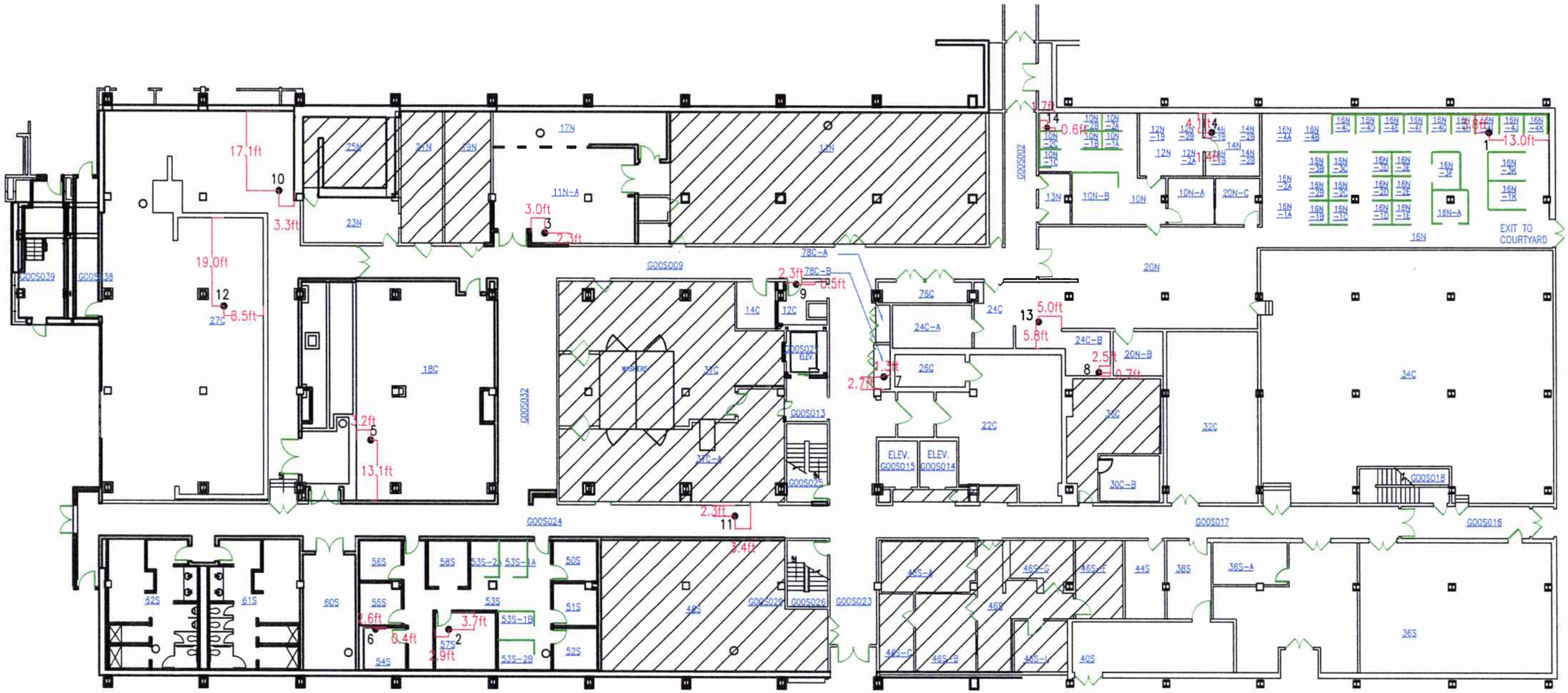



⦿ Random Start Location

• Sample Location

Spacing= 24ft

| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 20 | Survey Unit: G201 | Page: D.6 of D.65 |



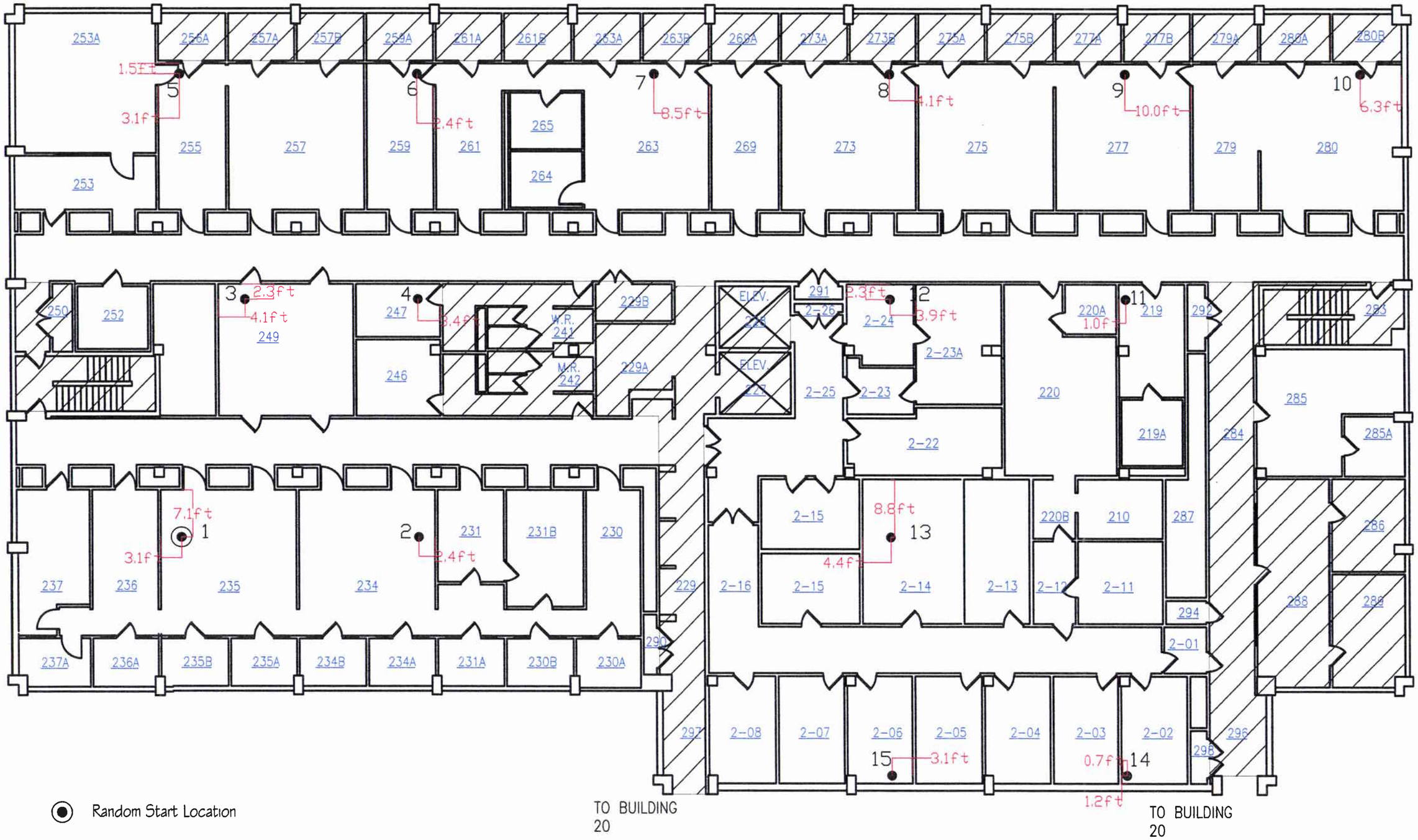

• Sample Location

| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 20 | Survey Unit: G301 | Page: D.7 of D.65 |

● Sample Location

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 25 | Survey Unit: 1301 | Page: D.22 of D.65 |
|---|---|---|



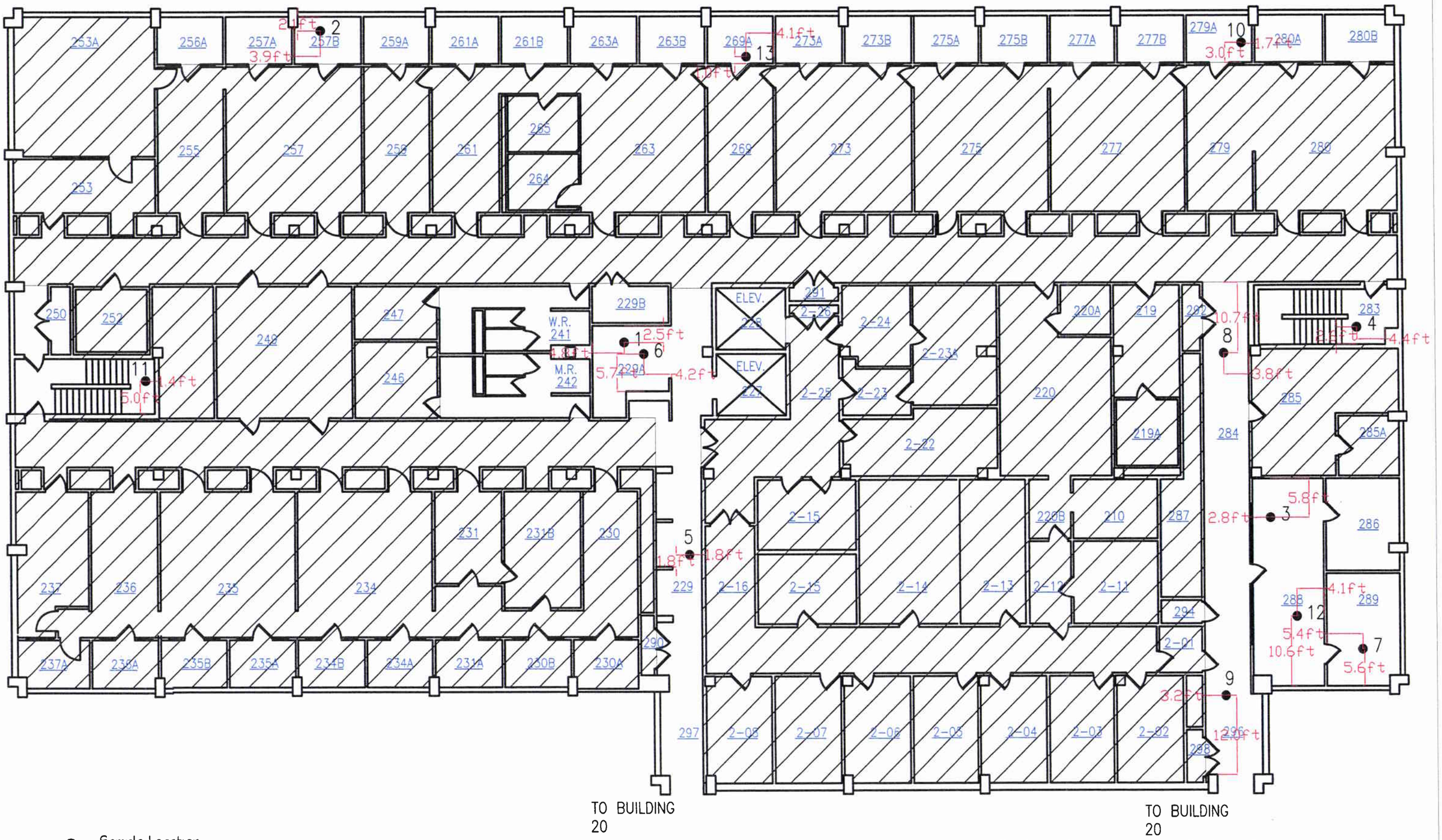

Random Start Location

Sample Location

Spacing= 36ft

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 25 | Survey Unit: 2201 | Page: D.23 of D.65 |
|---|---|---|




● Sample Location

| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 25 | Survey Unit: 2301 | Page: D.24 of D.65 |

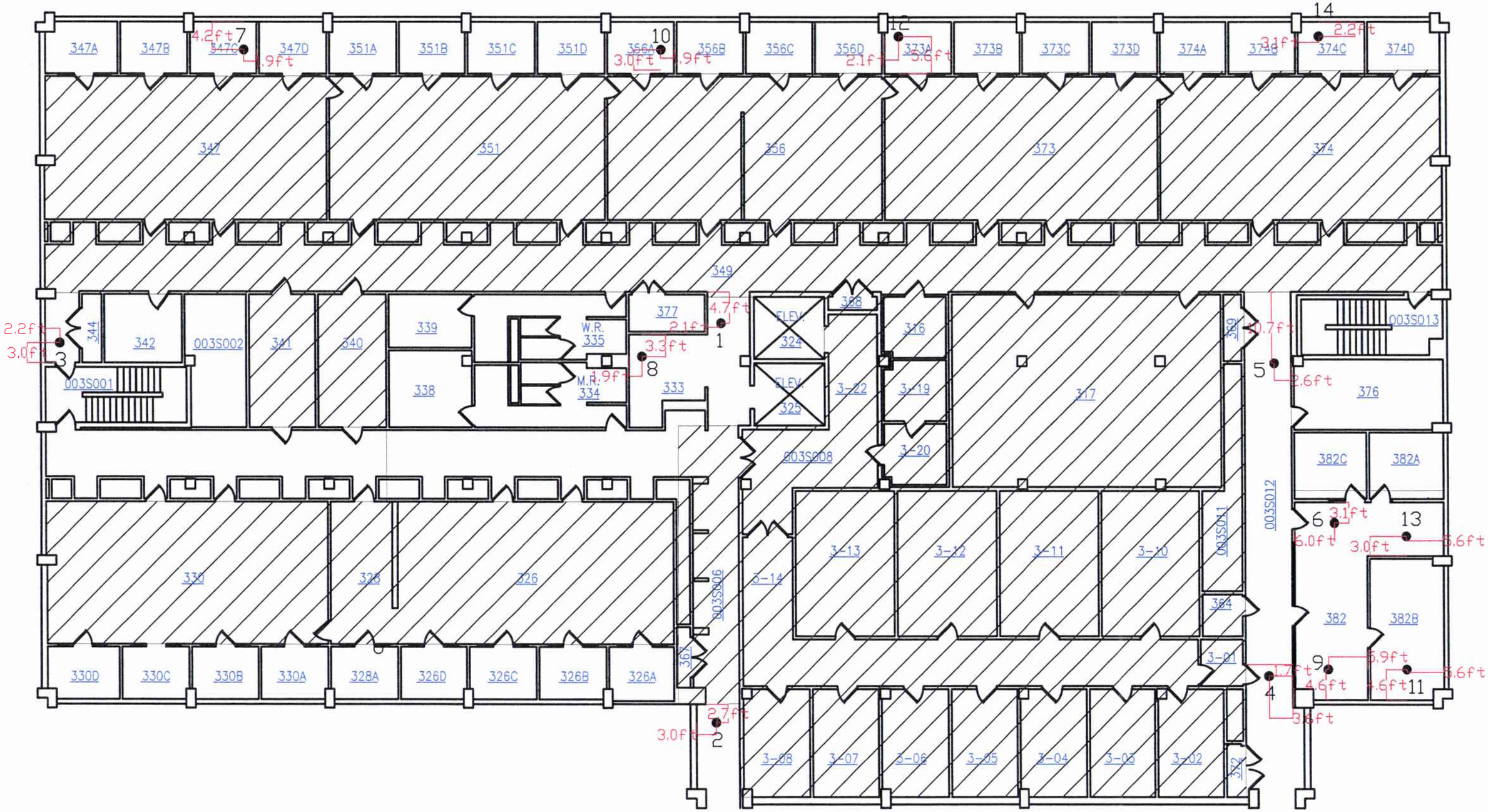
Random Start Location

Sample Location

Spacing= 30ft

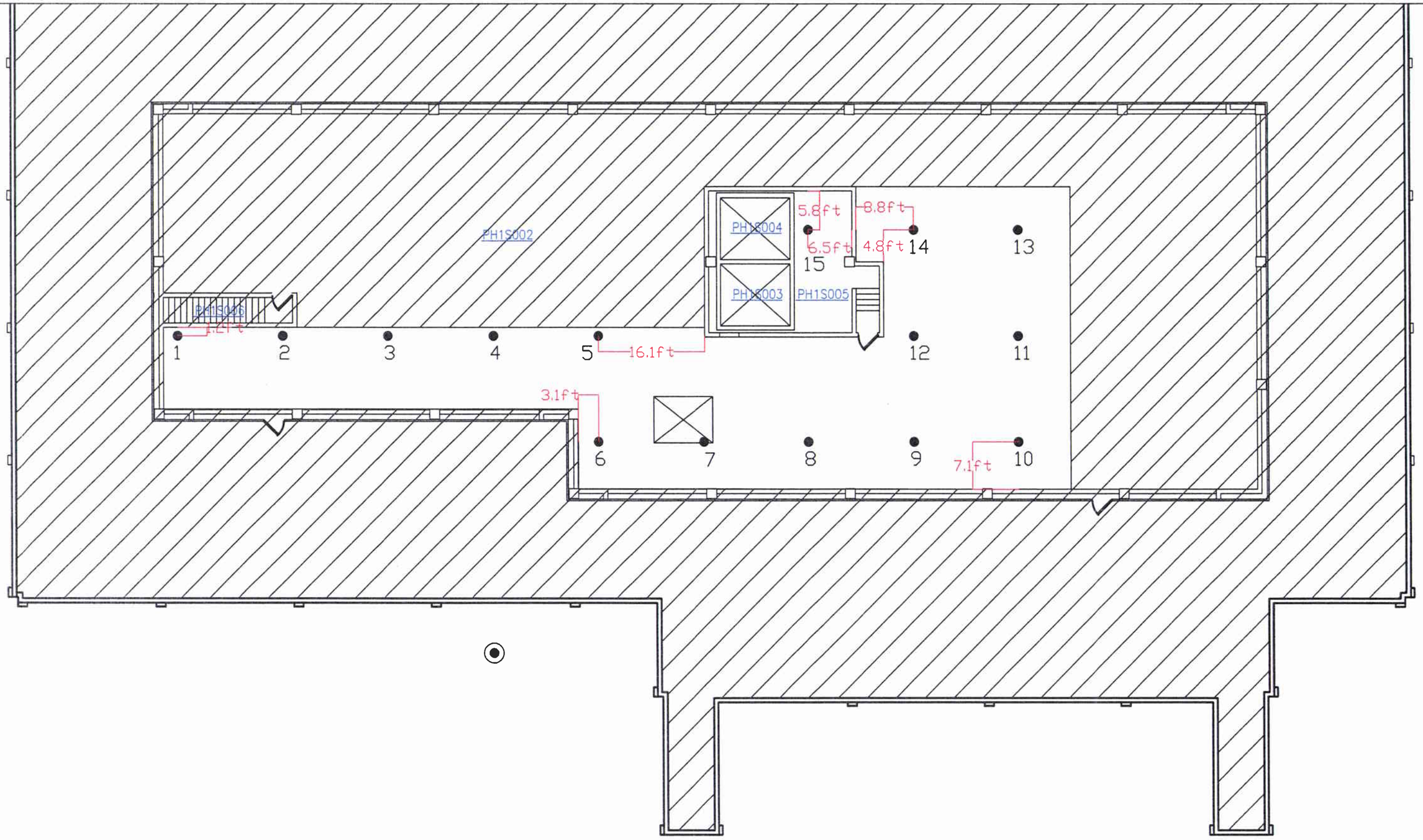
Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 25 | Survey Unit: 3201 | Page: D.25 of D.65 |
|---|---|---|




Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 25 | Survey Unit: 3301 | Page: D.26 of D.65 |
|---|---|---|

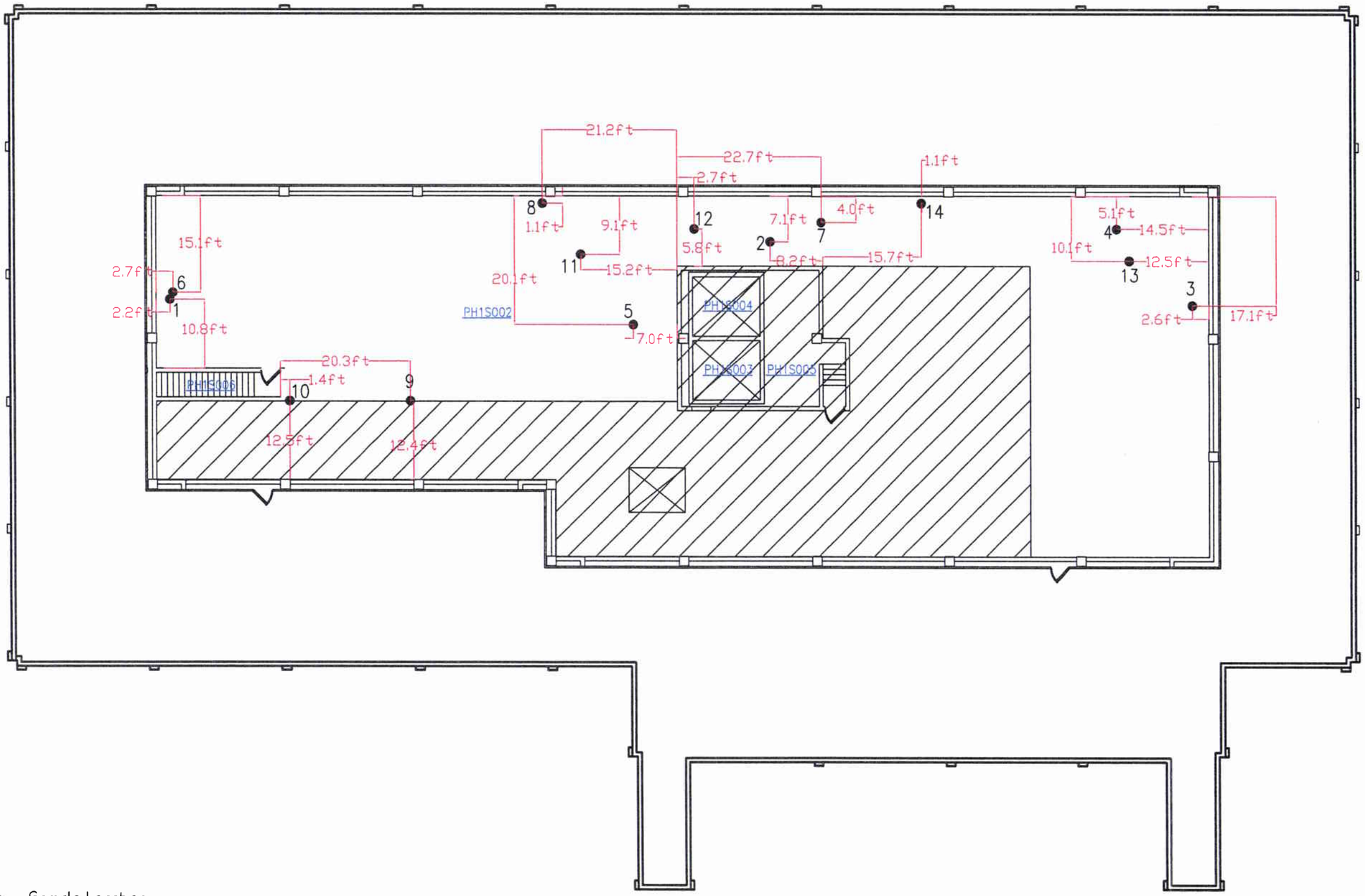



Random Start Location

Sample Location

Spacing= 16ft

| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 25 | Survey Unit: P201 | Page: D.27 of D.65 |




● Sample Location

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 25 | Survey Unit: P301 | Page: D.28 of D.65 |
|---|---|---|

Random Start Location

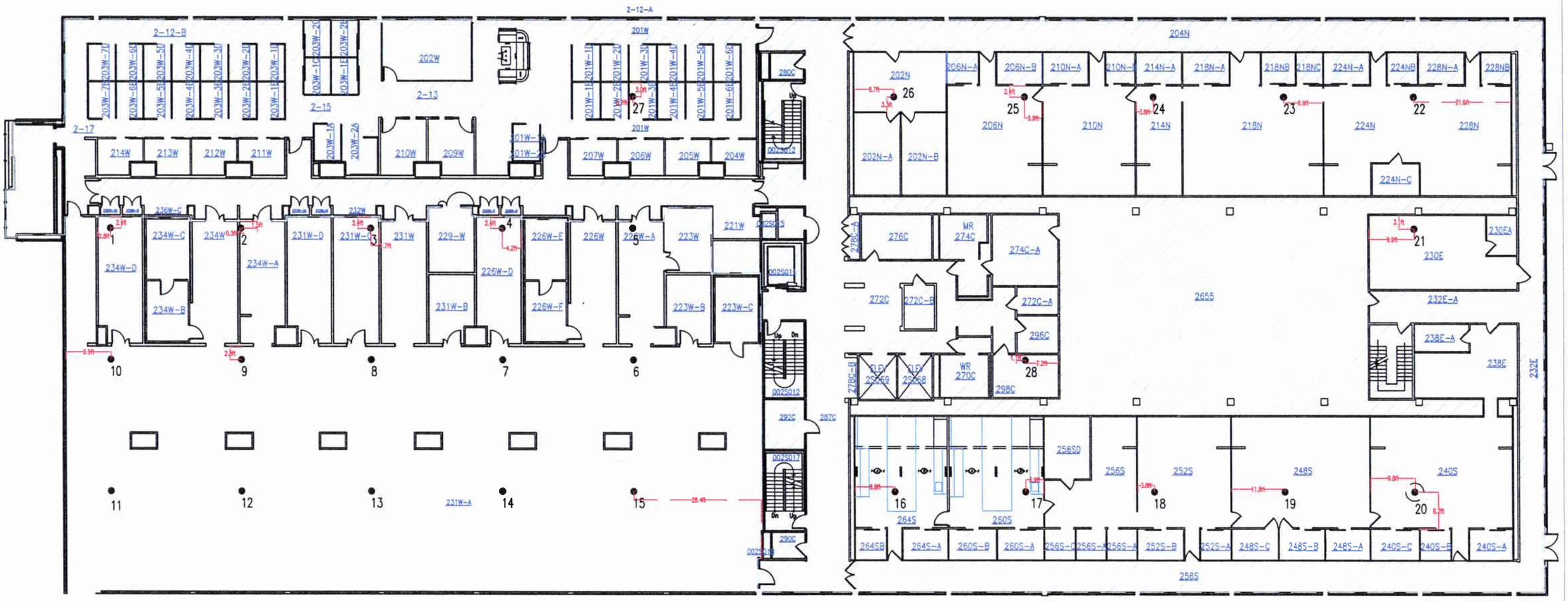
Sample Location

Spacing= 27ft

| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 20 | Survey Unit: 1201 | Page: D.8 of D.65 |

● Sample Location

| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 20 | Survey Unit: 1301 | Page: D.9 of D.65 |

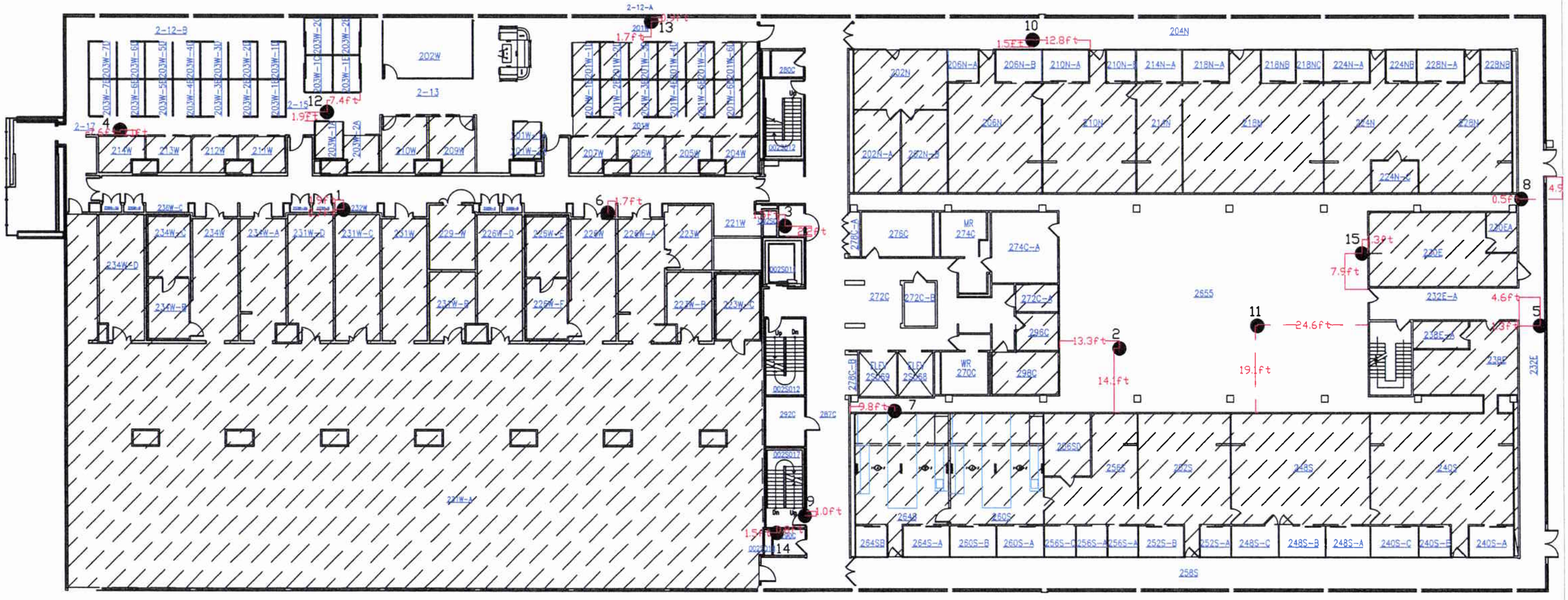



Random Start Location

Sample Location

Spacing= 29ft

| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 20 | Survey Unit:2201 | Page: D.10 of D.65 |




● Sample Location

| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 20 | Survey Unit: 2301 | Page: D.11 of D.65 |

Random Start Location

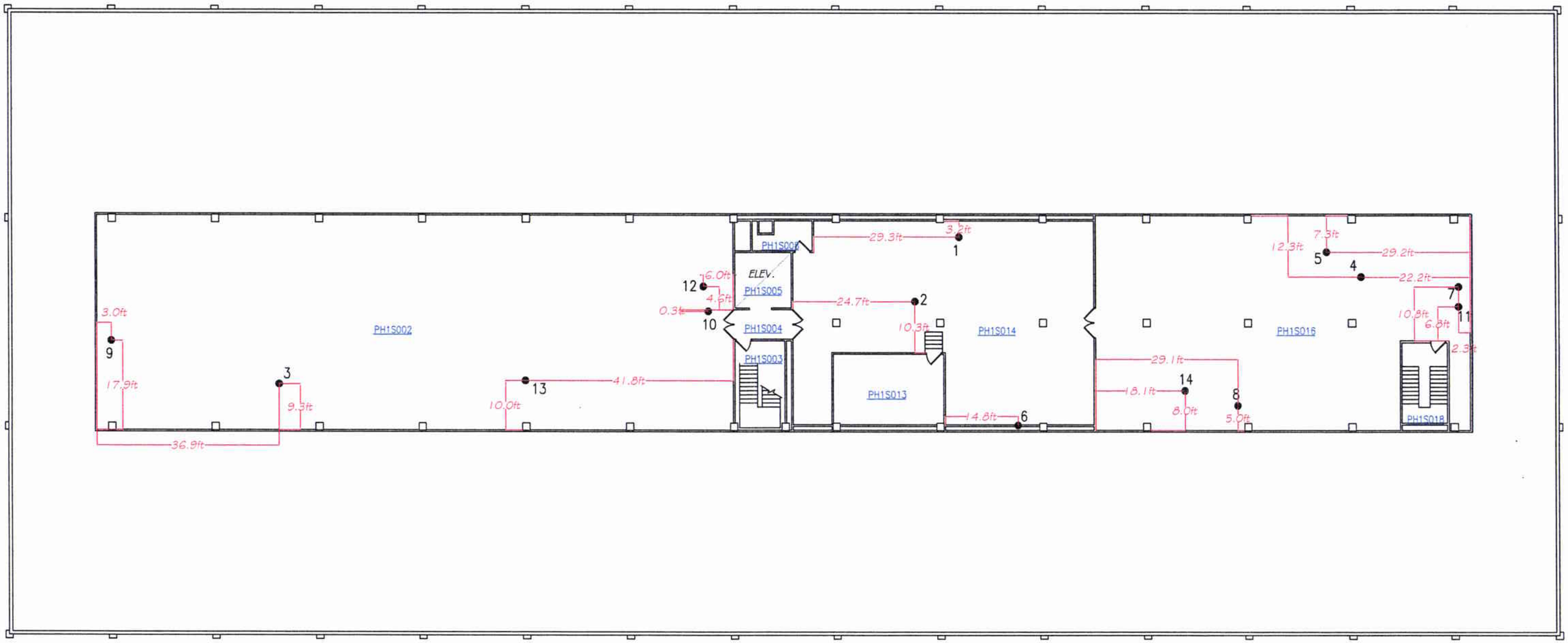
Sample Location

Spacing=27ft

| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 20 | Survey Unit:3201 | Page: D.12 of D.65 |

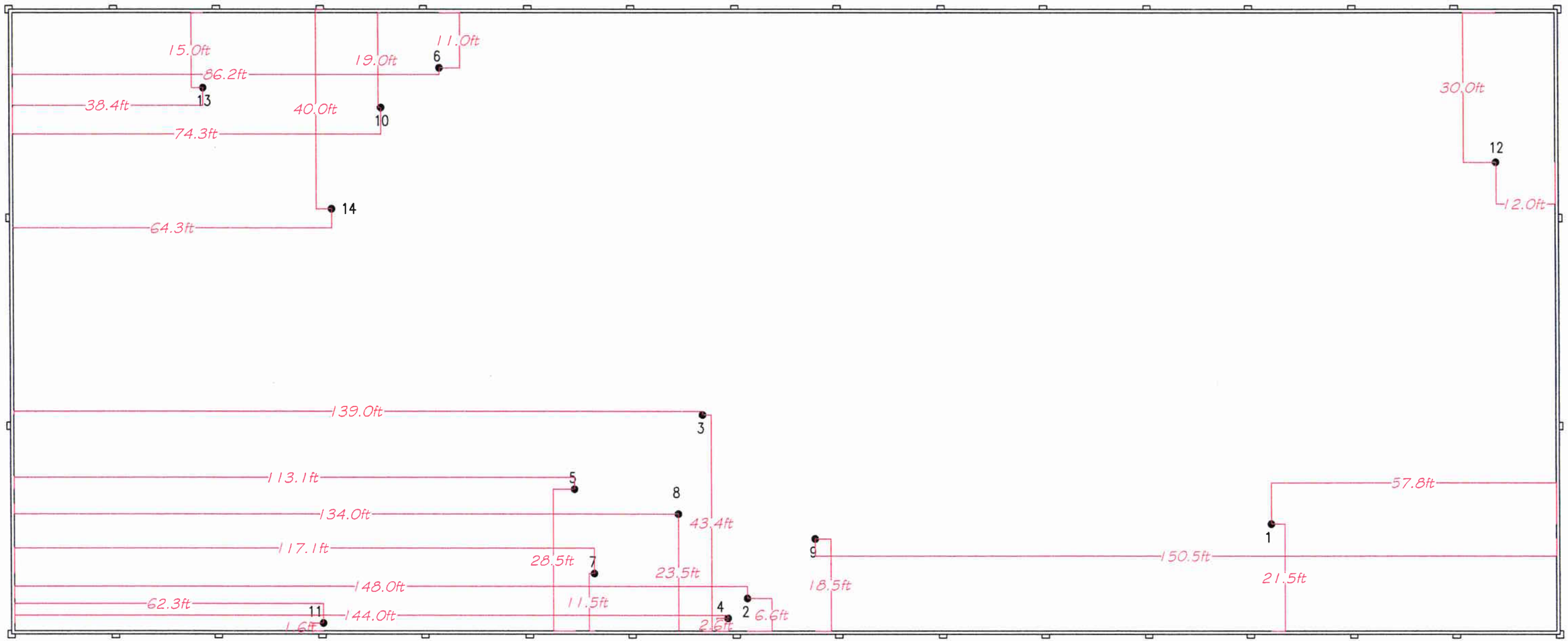
• Sample Location

| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 20 | Survey Unit: 3301 | Page: D.13 of D.65 |



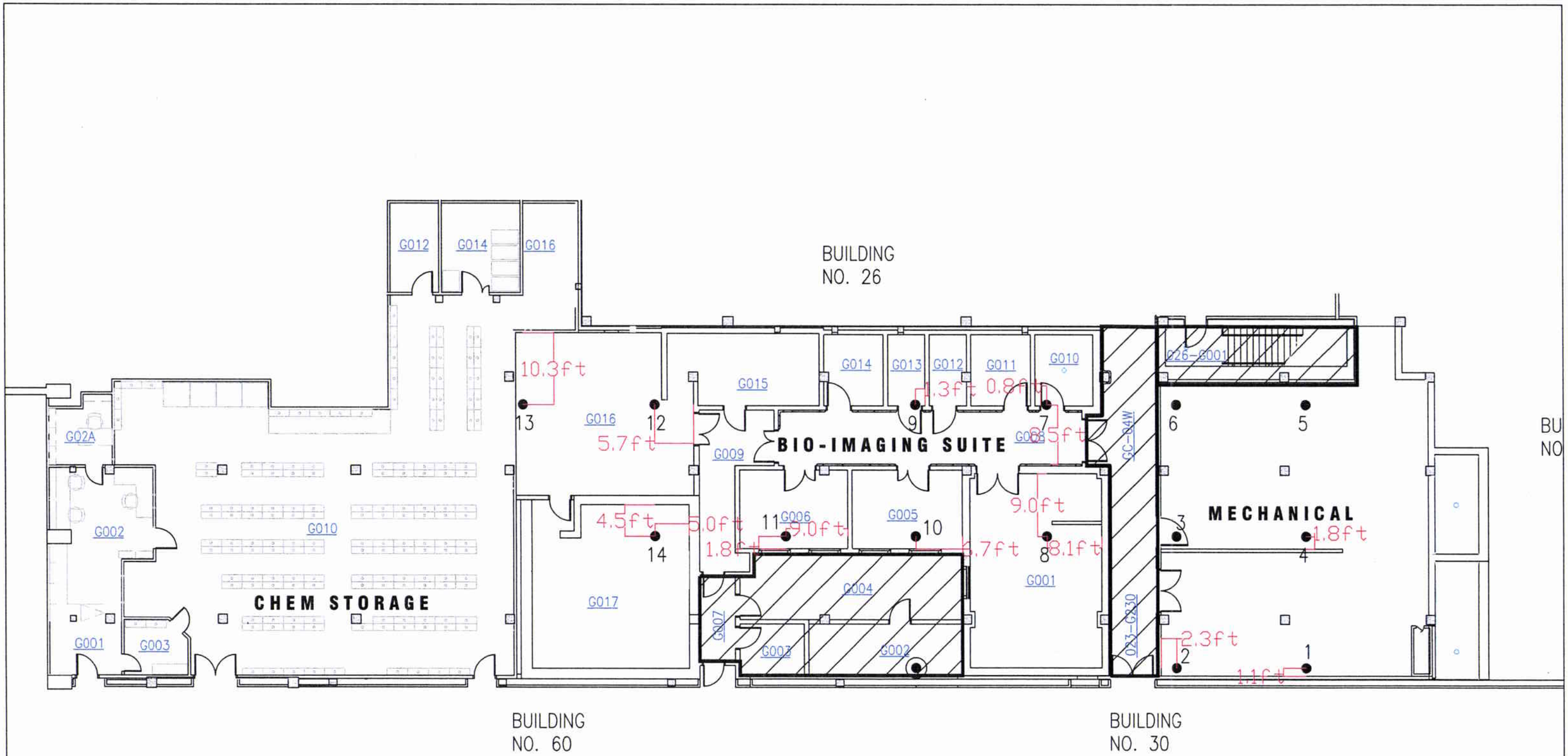

● Sample Location

| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 20 | Survey Unit: P301 | Page: D.14 of D.65 |




● Sample Location

| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 20 | Survey Unit: R301 | Page: D.15 of D.65 |

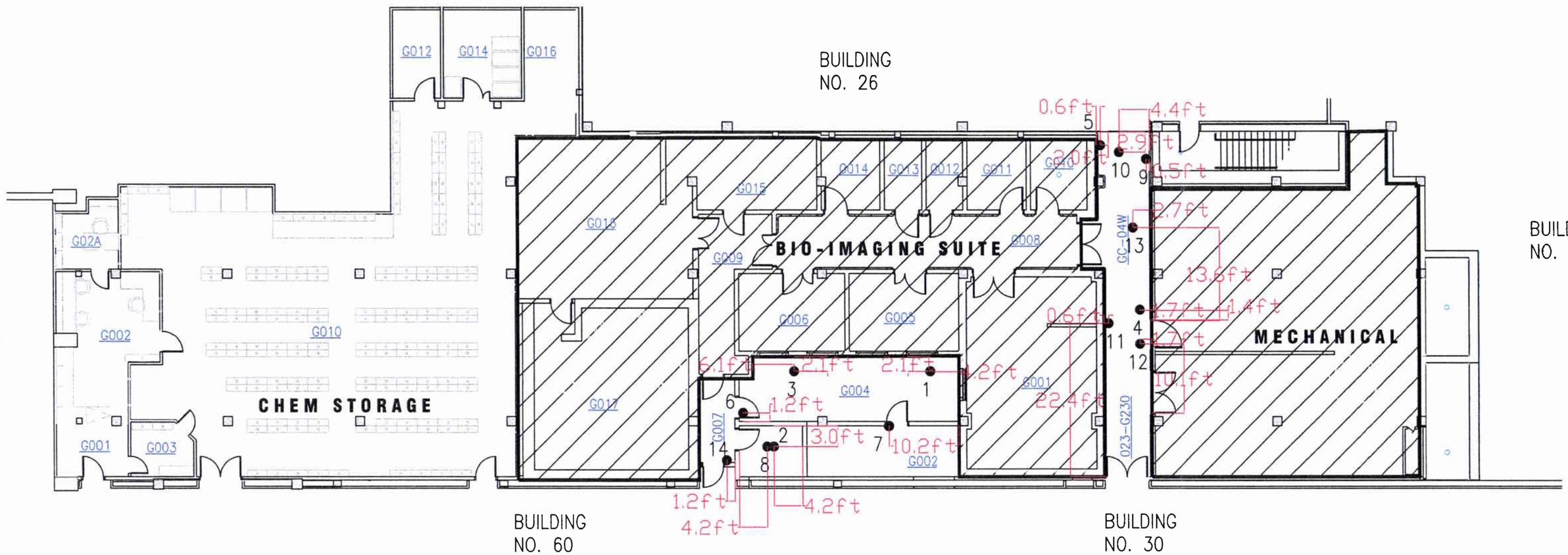



Random Start Location

Sample Location

Spacing= 19ft

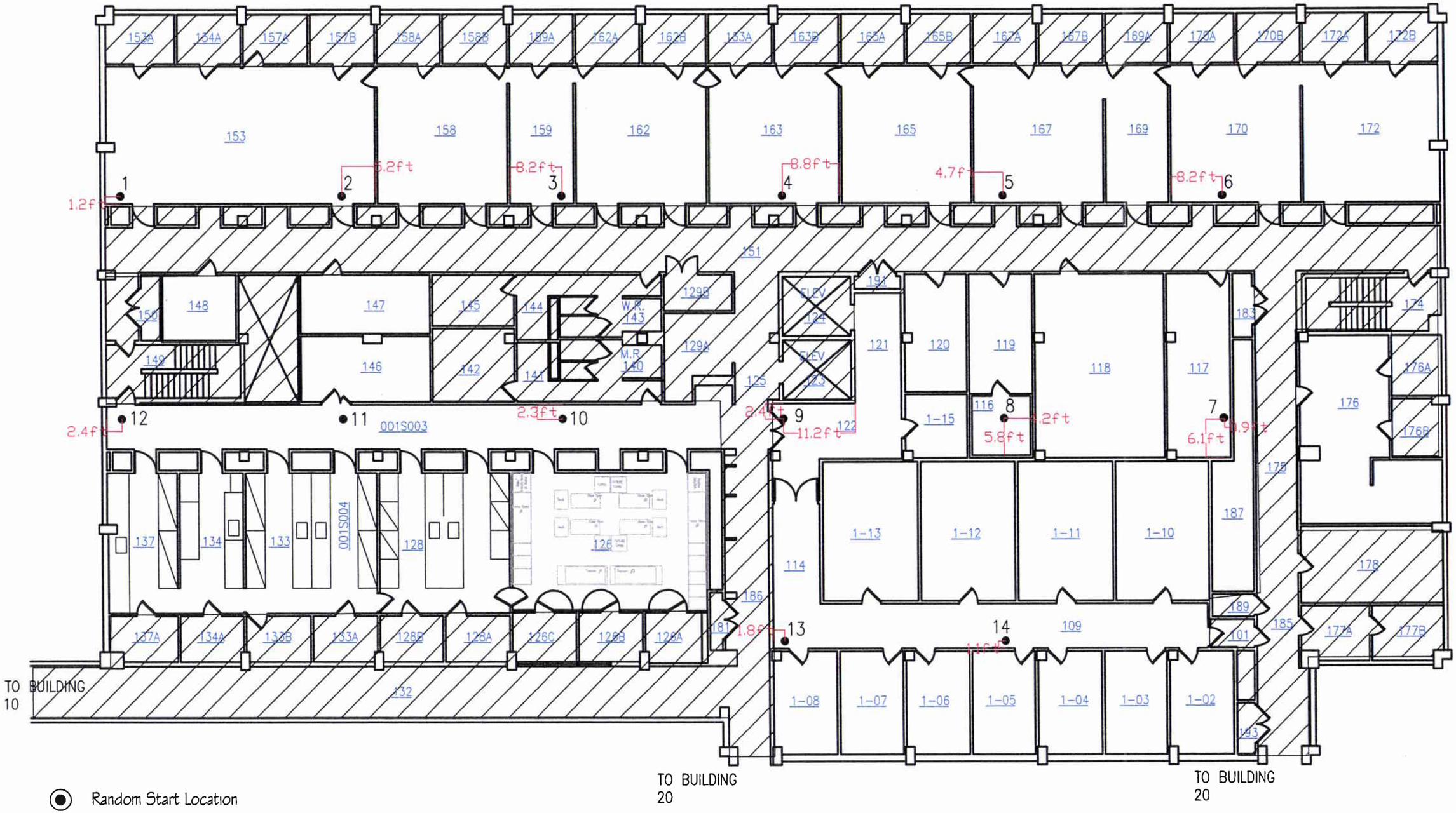
| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 23 | Survey Unit: G201 | Page: D.16 of D.65 |




● Sample Location

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 23 | Survey Unit: G301 | Page: D.17 of D.65 |
|---|---|---|



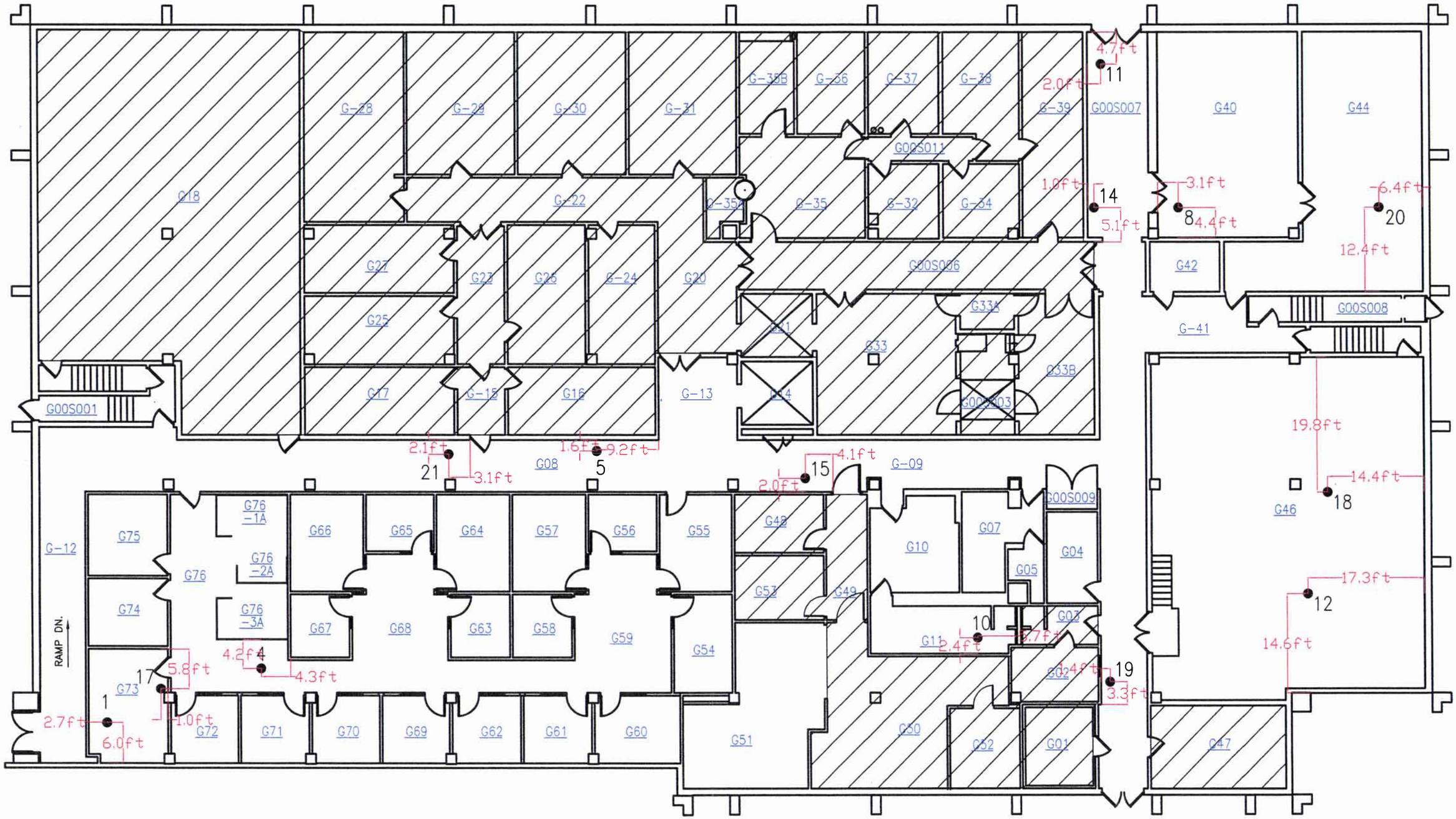

Random Start Location

Sample Location

Spacing= 27ft

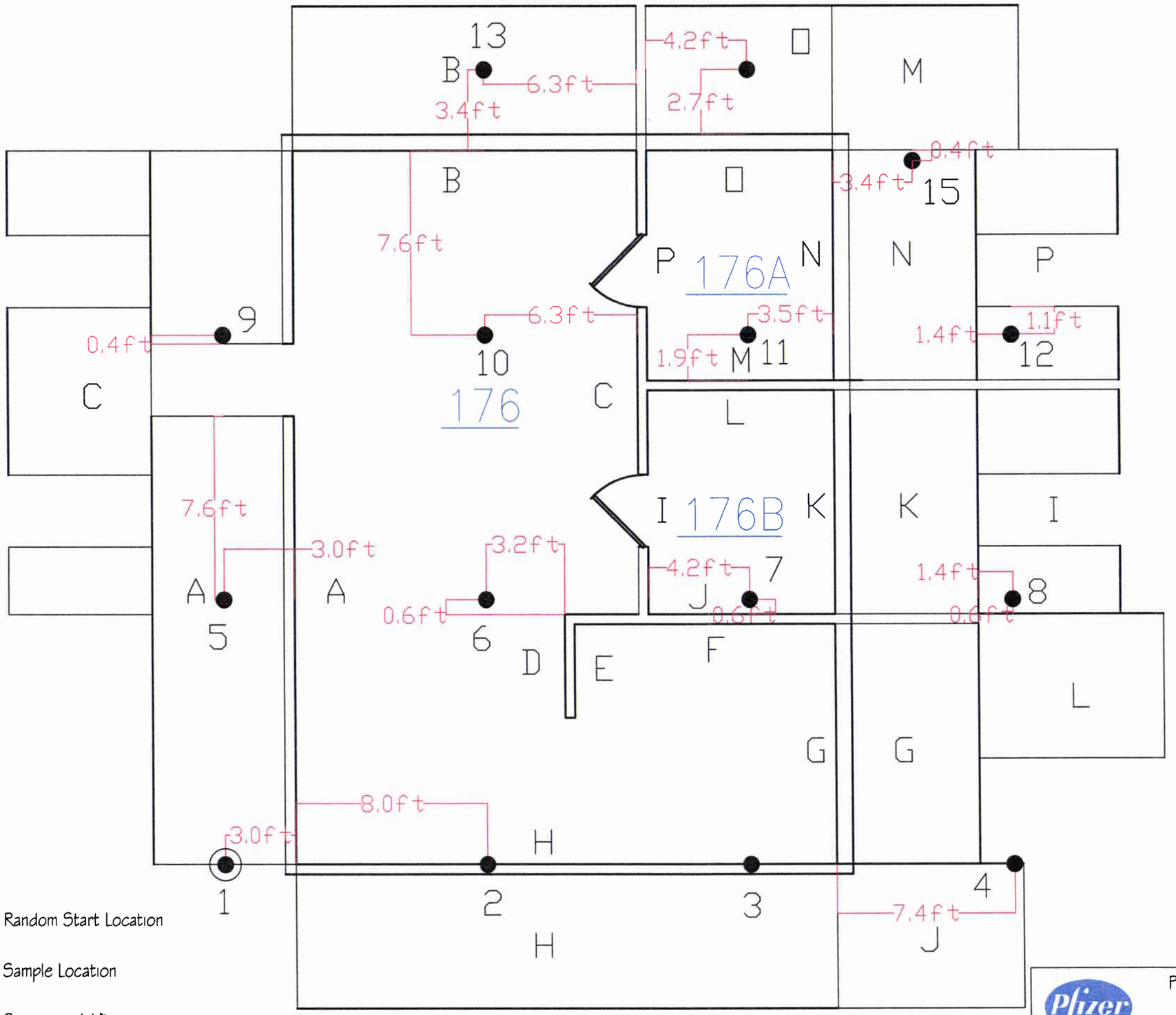
Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 25 | Survey Unit: G201 | Page: D.18 of D.65 |
|---|---|---|




● Sample Location

| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 25 | Survey Unit: G301 | Page: D.19 of D.65 |



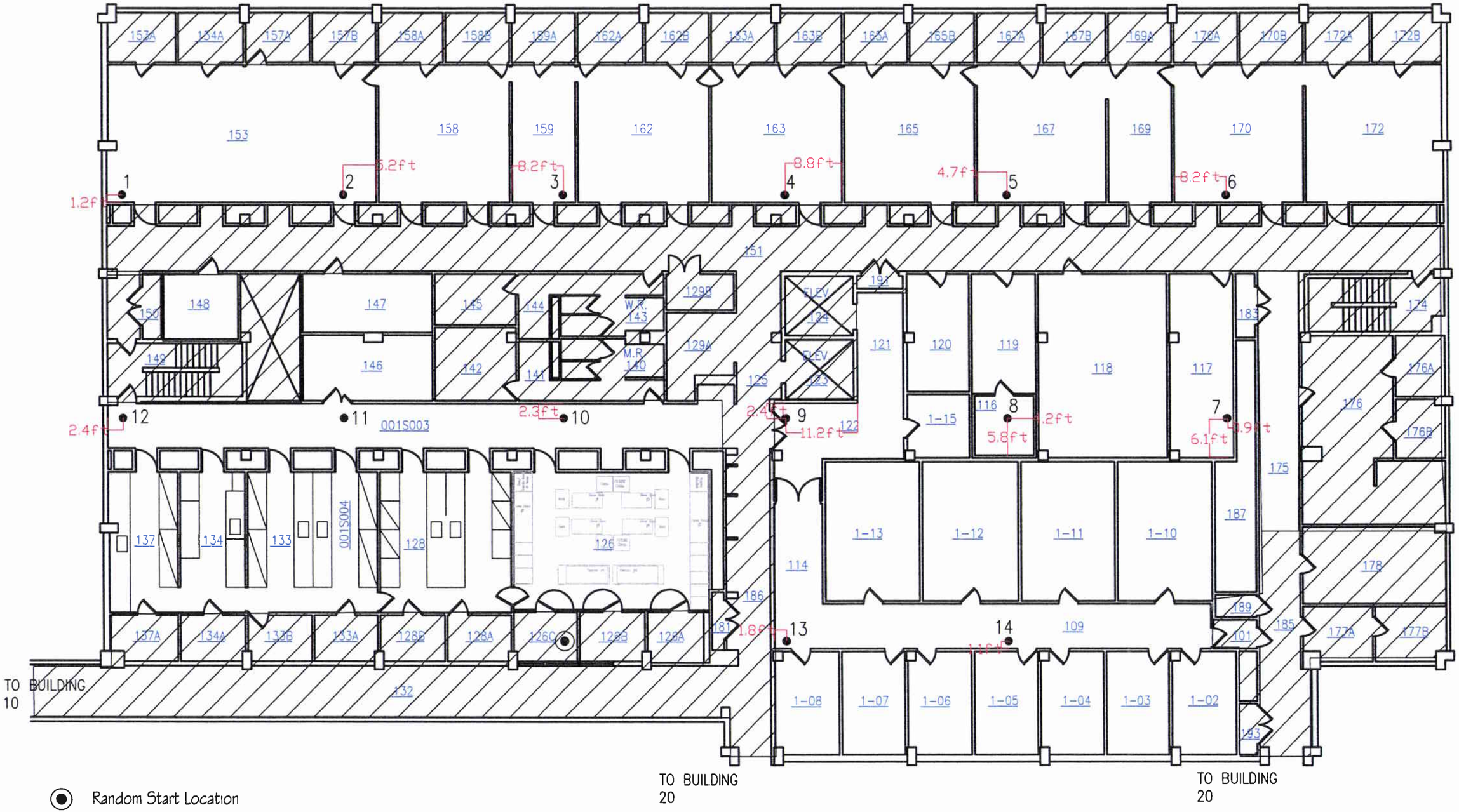

Random Start Location

Sample Location

Spacing= 11ft

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 25 | Survey Unit: 1101 | Page: D.20 of D.65 |
|---|---|---|

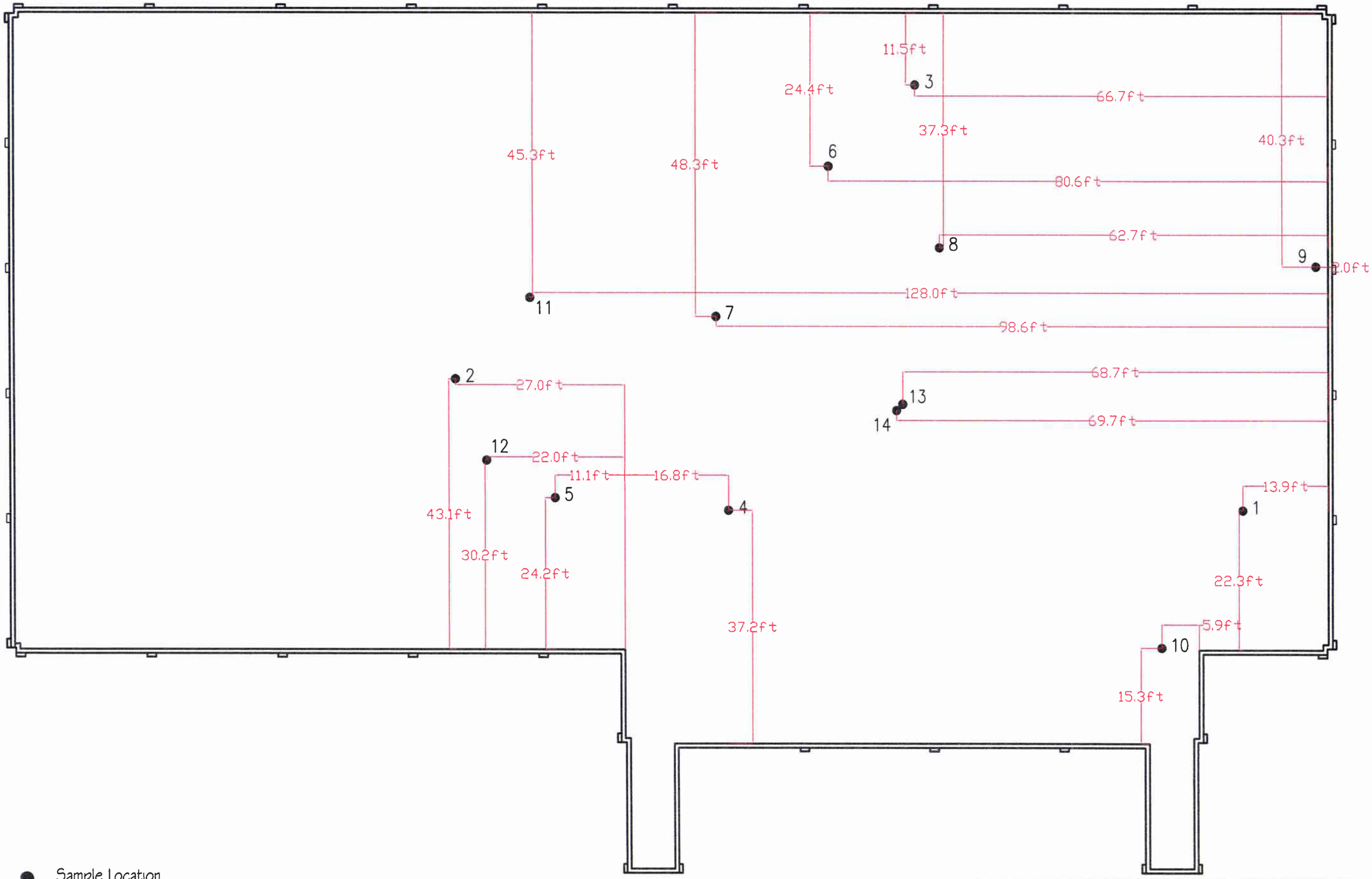



Random Start Location

Sample Location

Spacing= 35ft

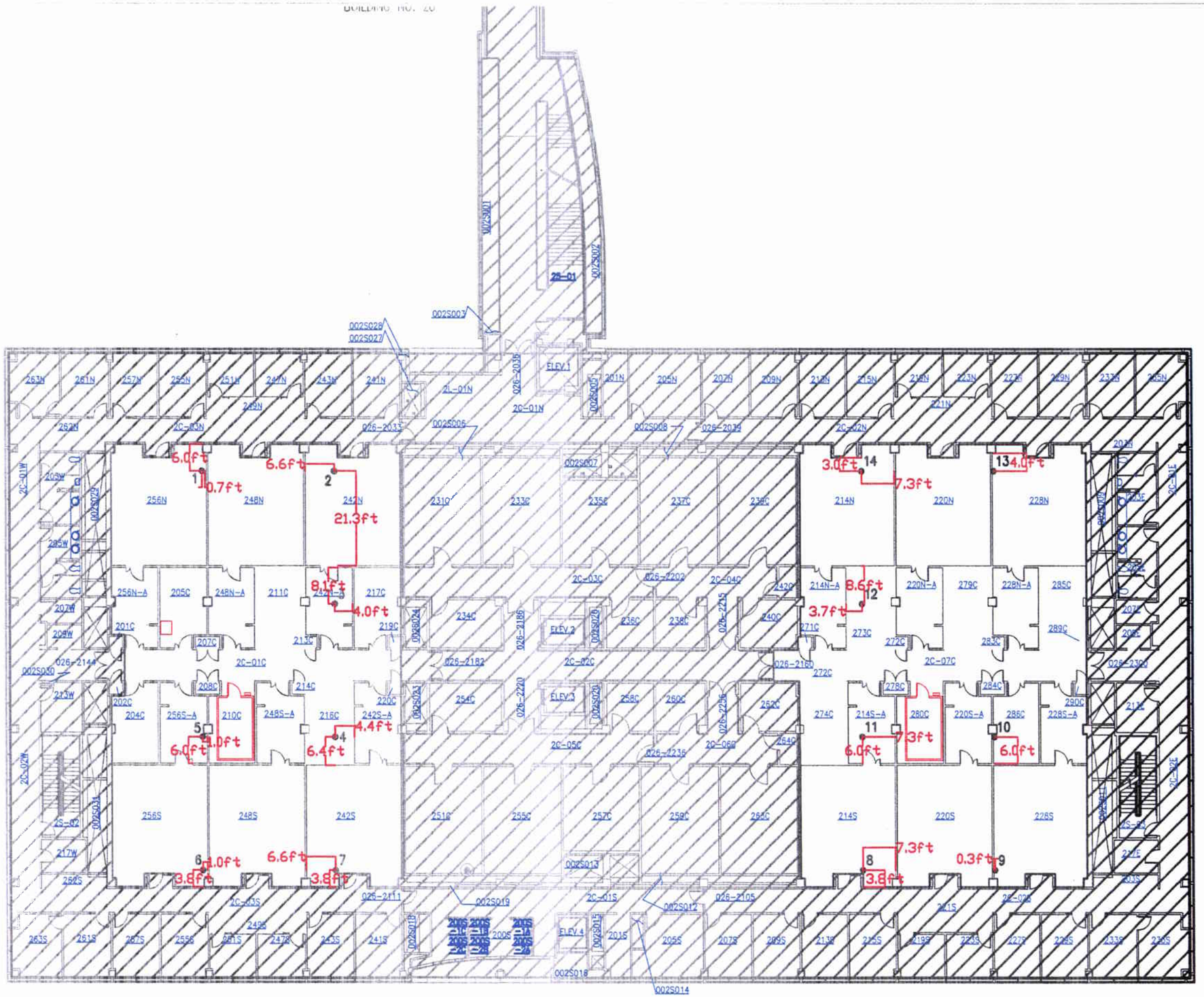
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 25 | Survey Unit: 1201 | Page: D.21 of D.65 |




● Sample Location

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 25 | Survey Unit: R301 | Page: D.29 of D.65 |
|---|---|---|



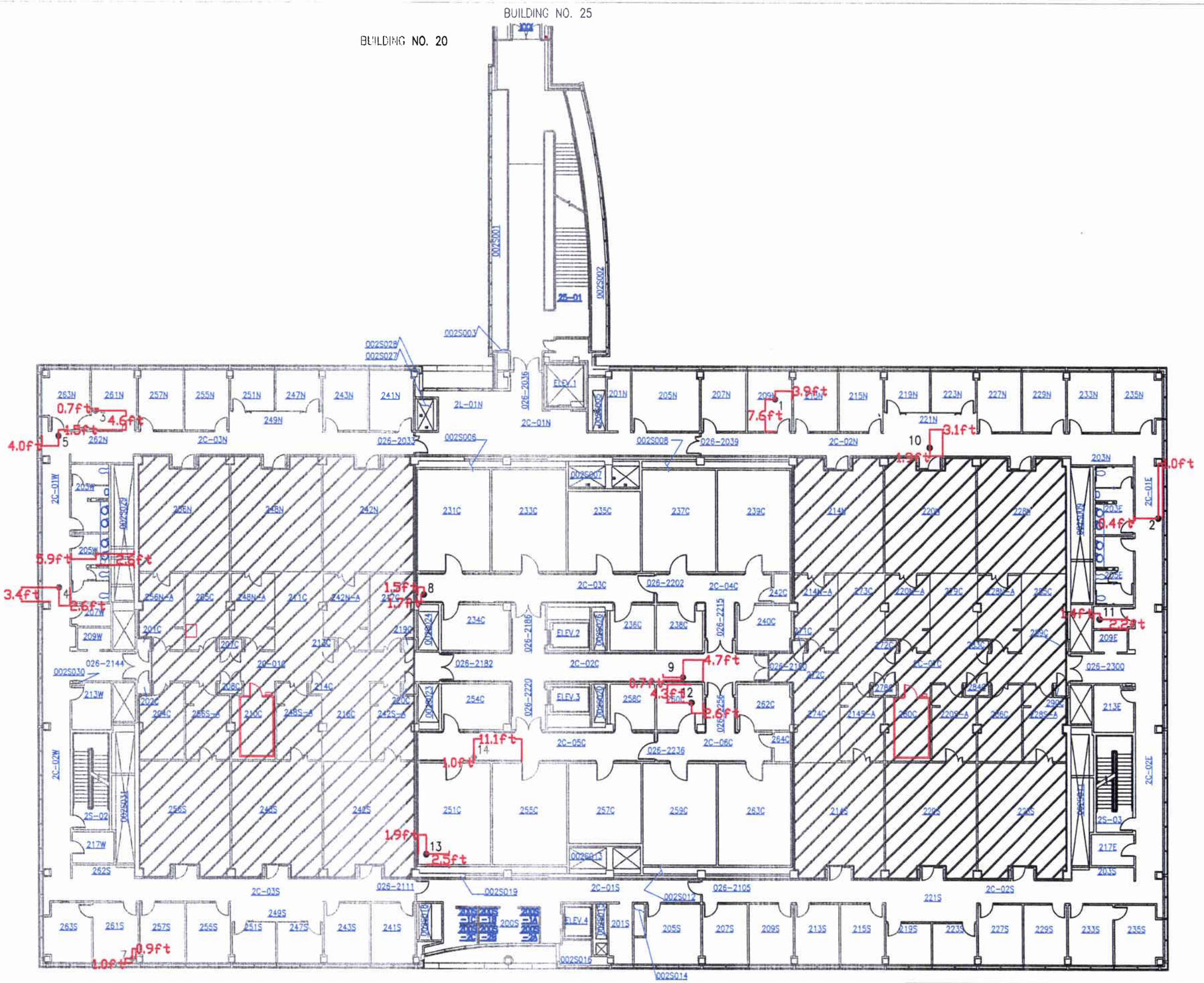

Random Start Location

Sample Location

Spacing= 30ft

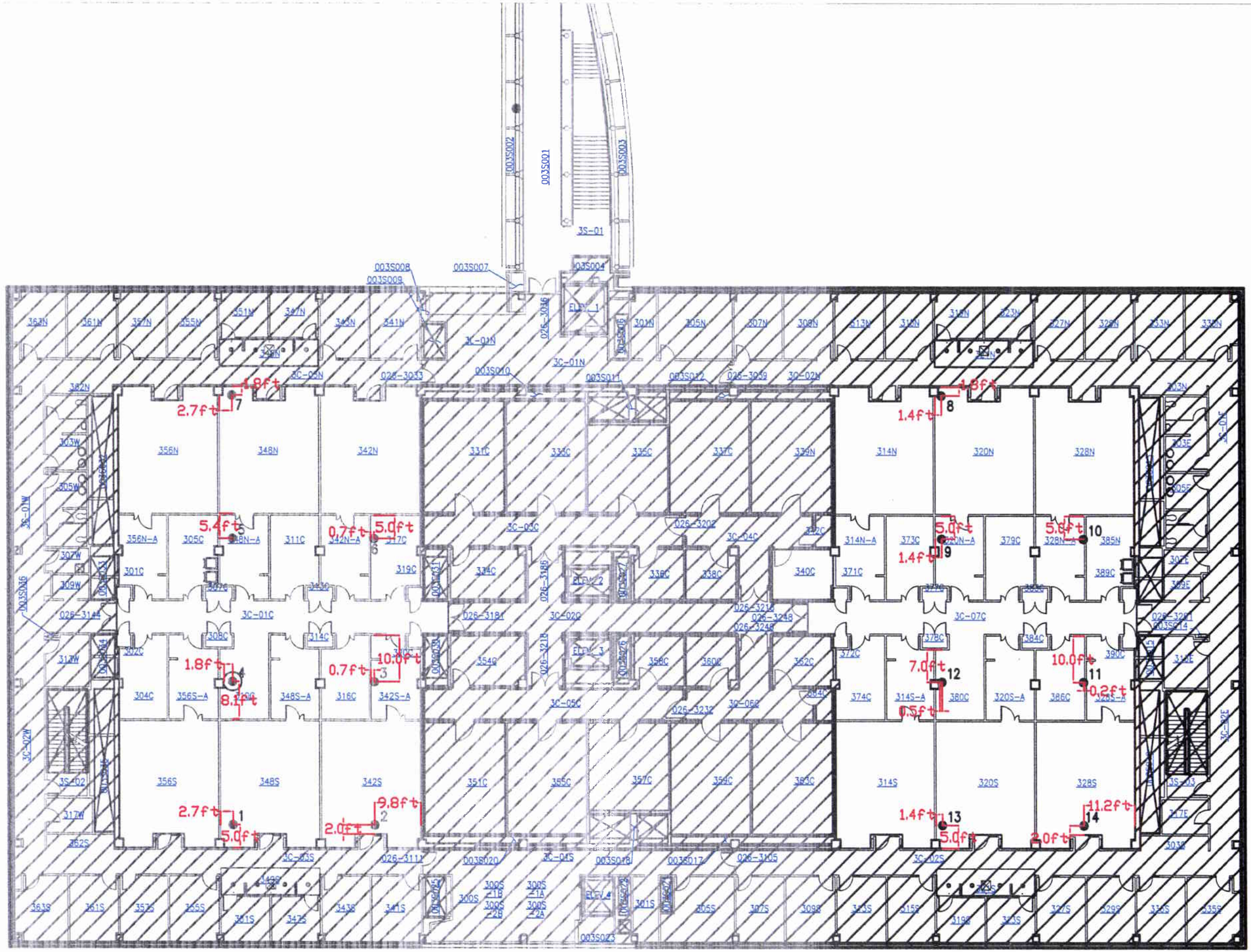
Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 26 | Survey Unit: 2201 | Page: D.30 of D.65 |
|---|---|---|




• Sample Location

| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 26 | Survey Unit: 2301 | Page: D.31 of D.65 |



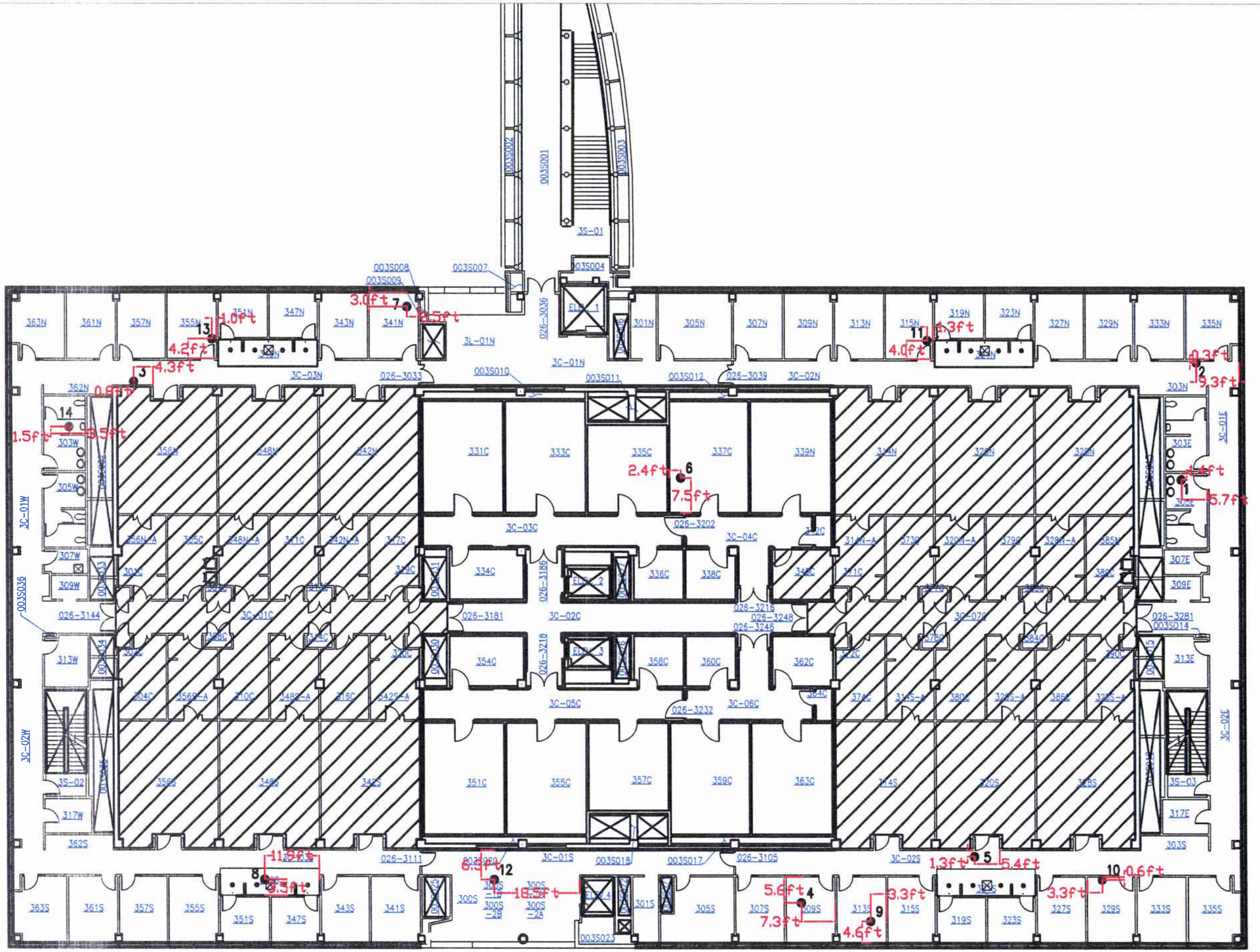

Random Start Location

Sample Location

Spacing= 31ft

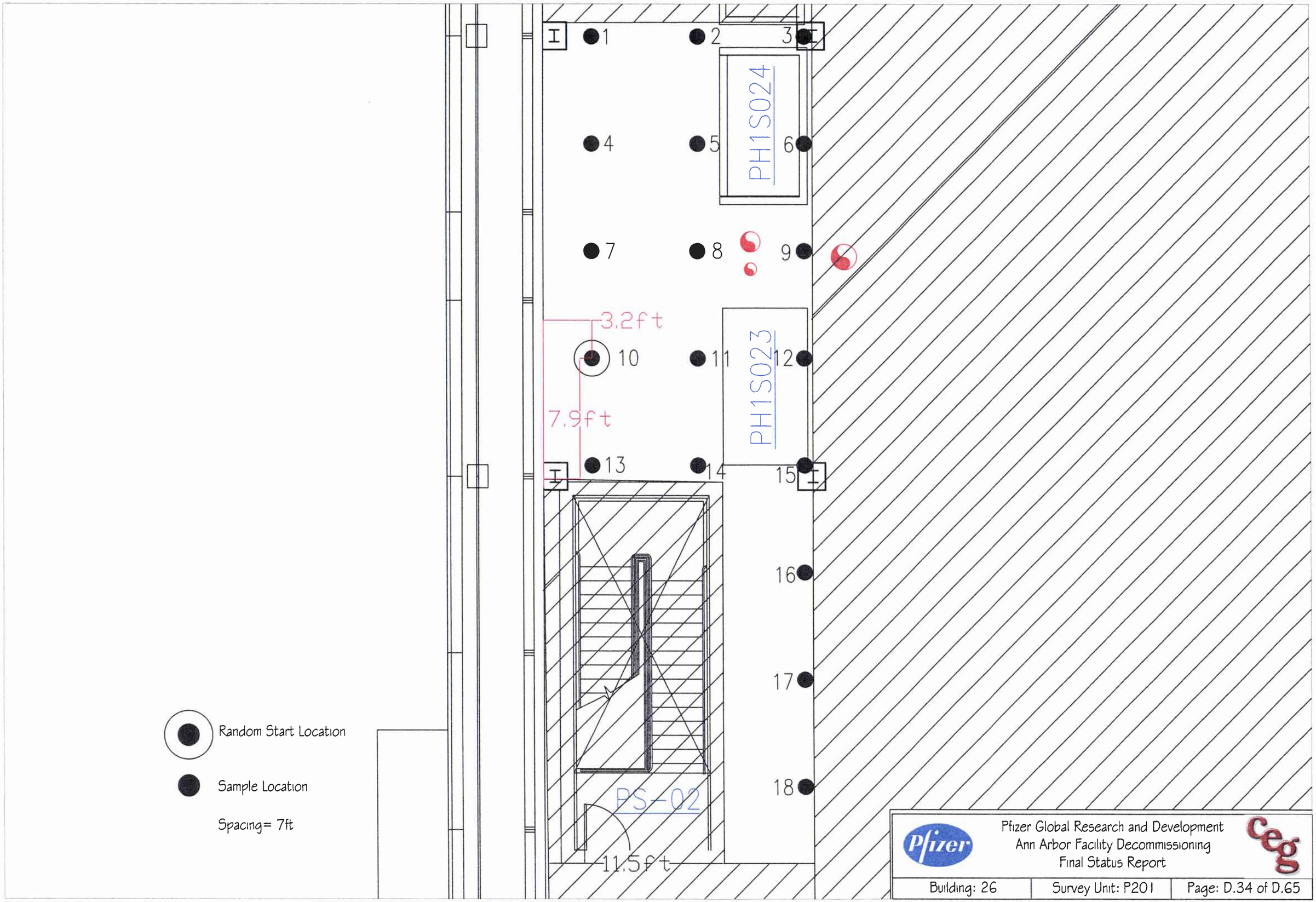
Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

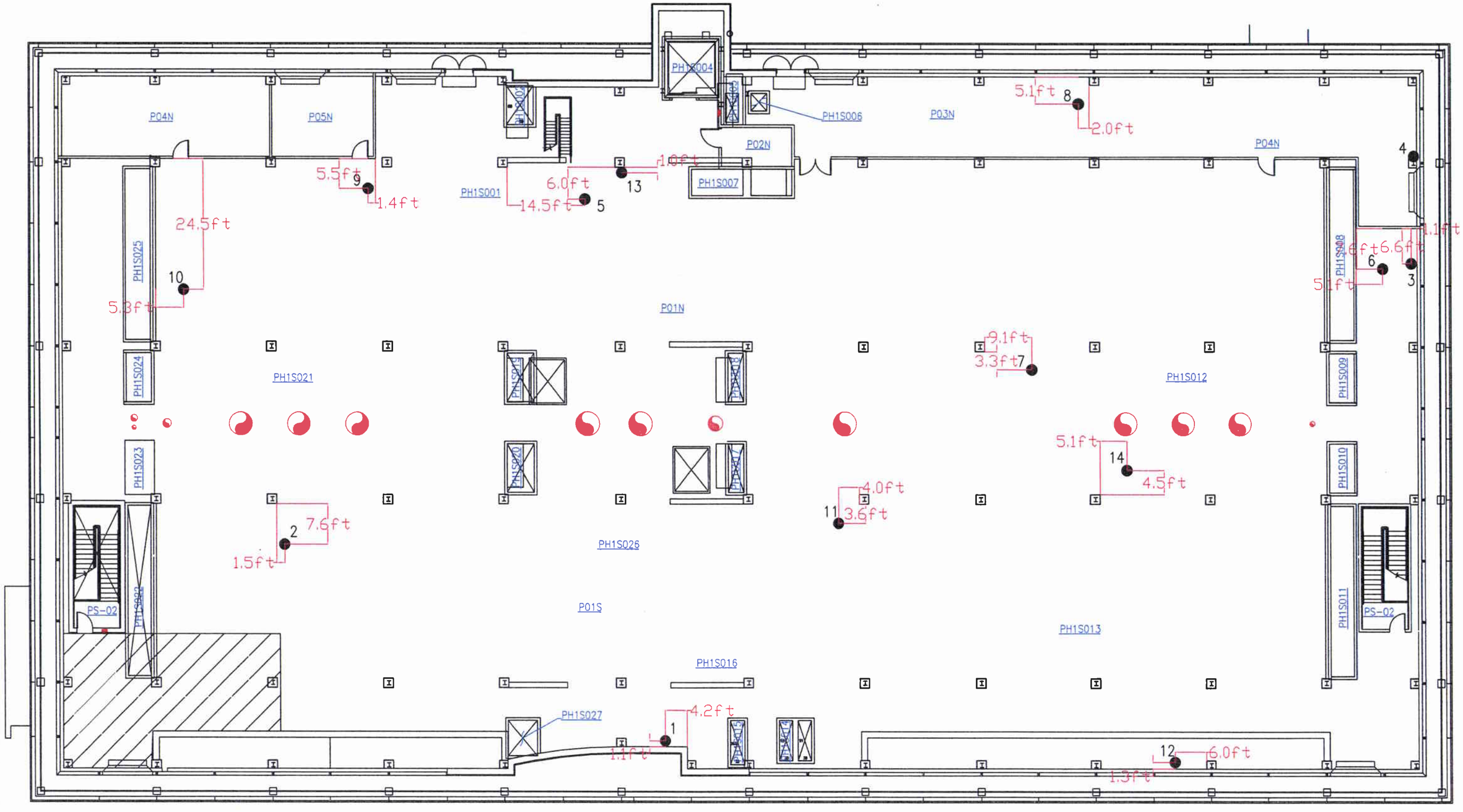
| Building: 26 | Survey Unit: 3201 | Page: D.32 of D.65 |
|---|---|---|




● Sample Location

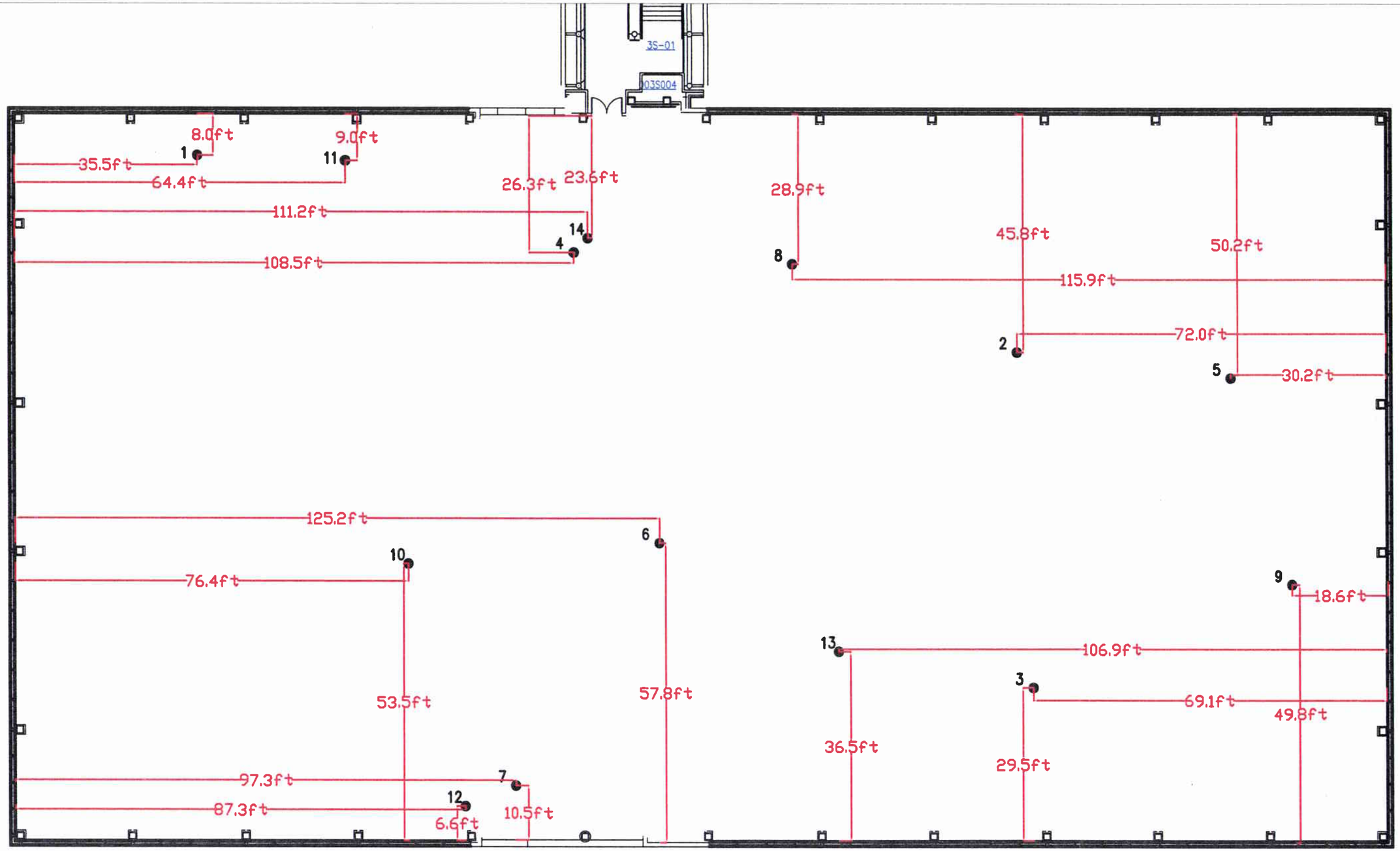
| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 26 | Survey Unit: 3301 | Page: D.33 of D.65 |


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
PH1S024
PH1S023
PS-02
3.2ft
7.9ft
11.5ft
Random Start Location
Sample Location
Spacing= 7ft
Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report
Building: 26
Survey Unit: P201
Page: D.34 of D.65



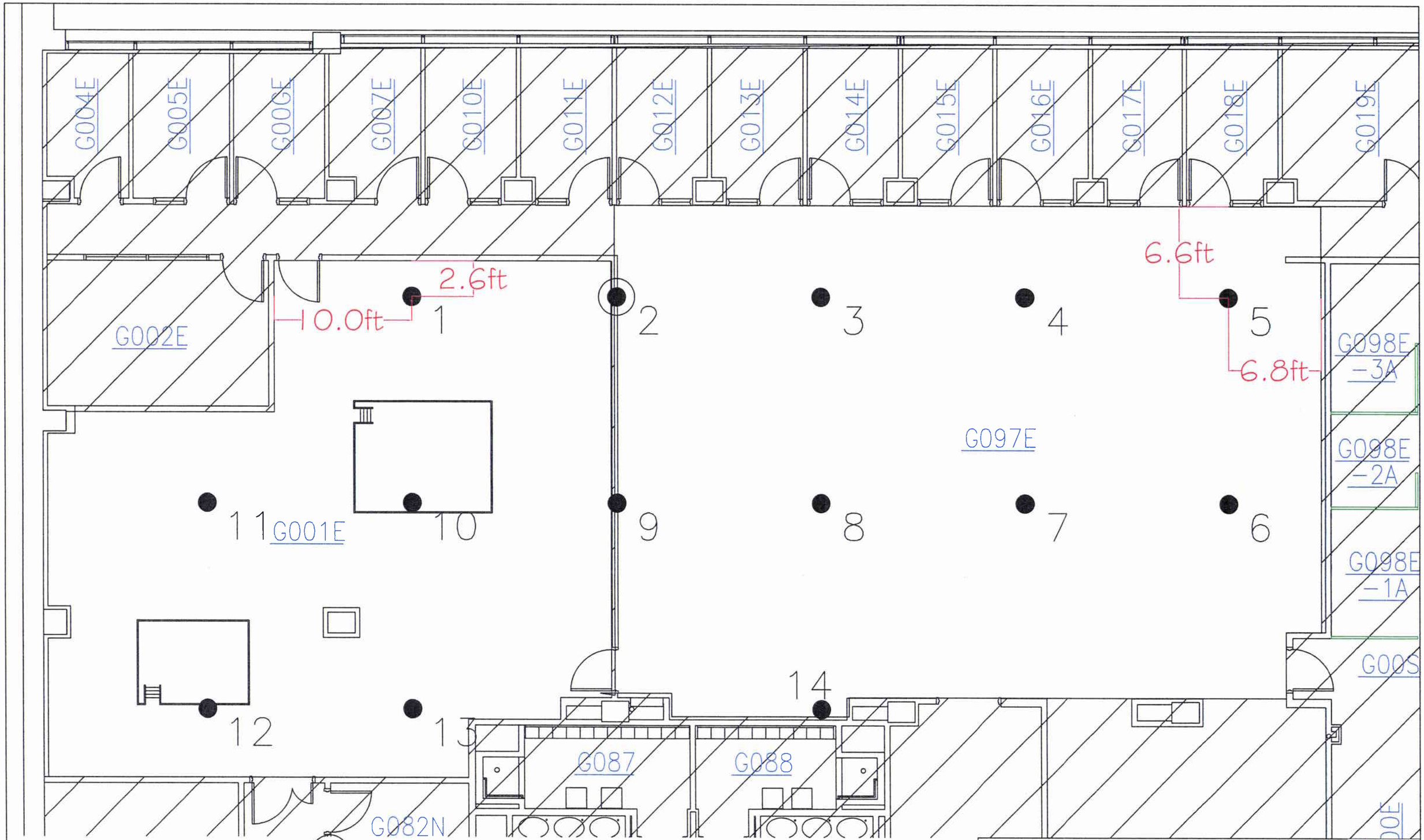

● Sample Location

| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 26 | Survey Unit: P301 | Page: D.35 of D.65 |



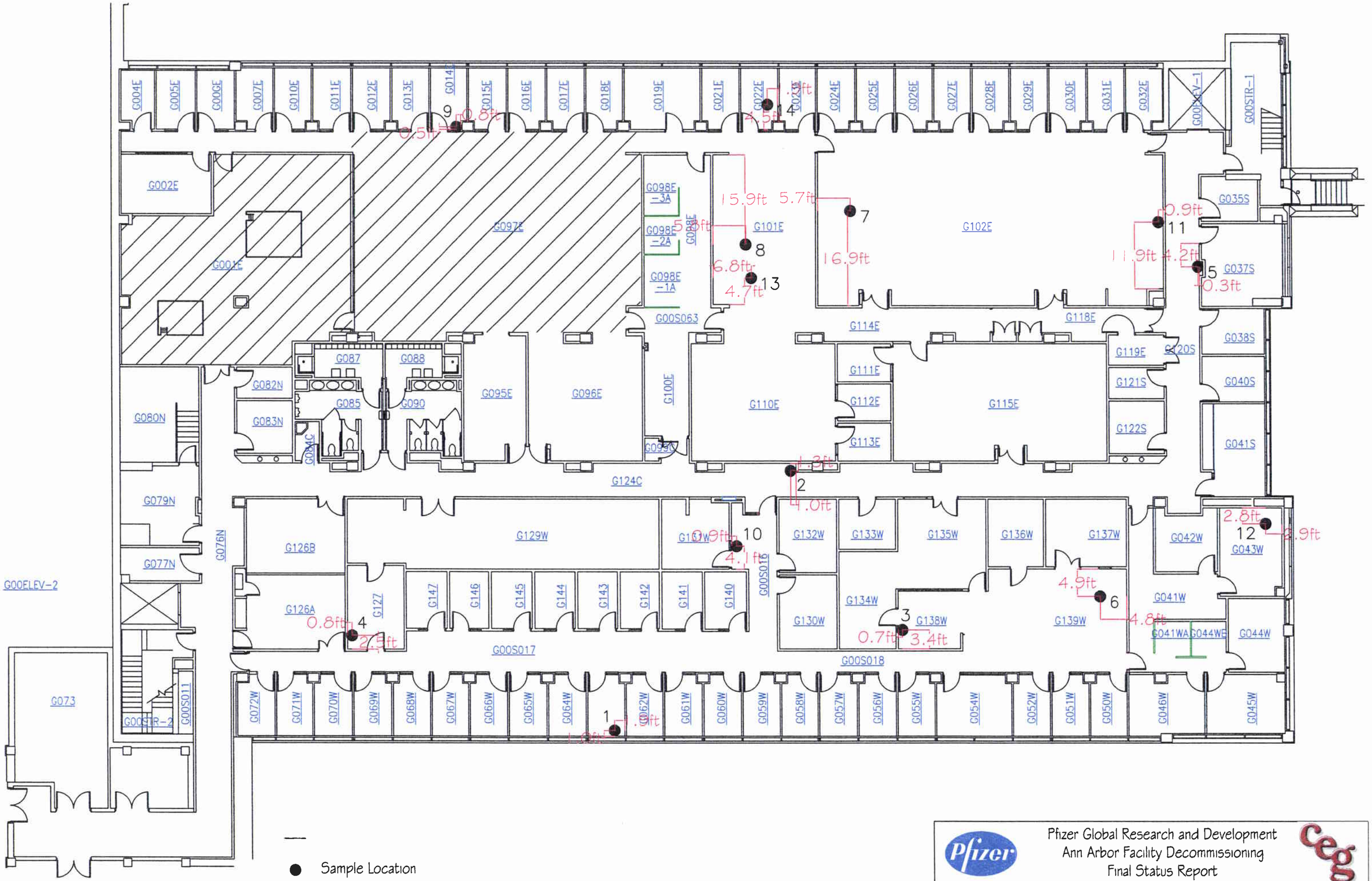

● Sample Location

| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 26 | Survey Unit: R301 | Page: D.36 of D.65 |



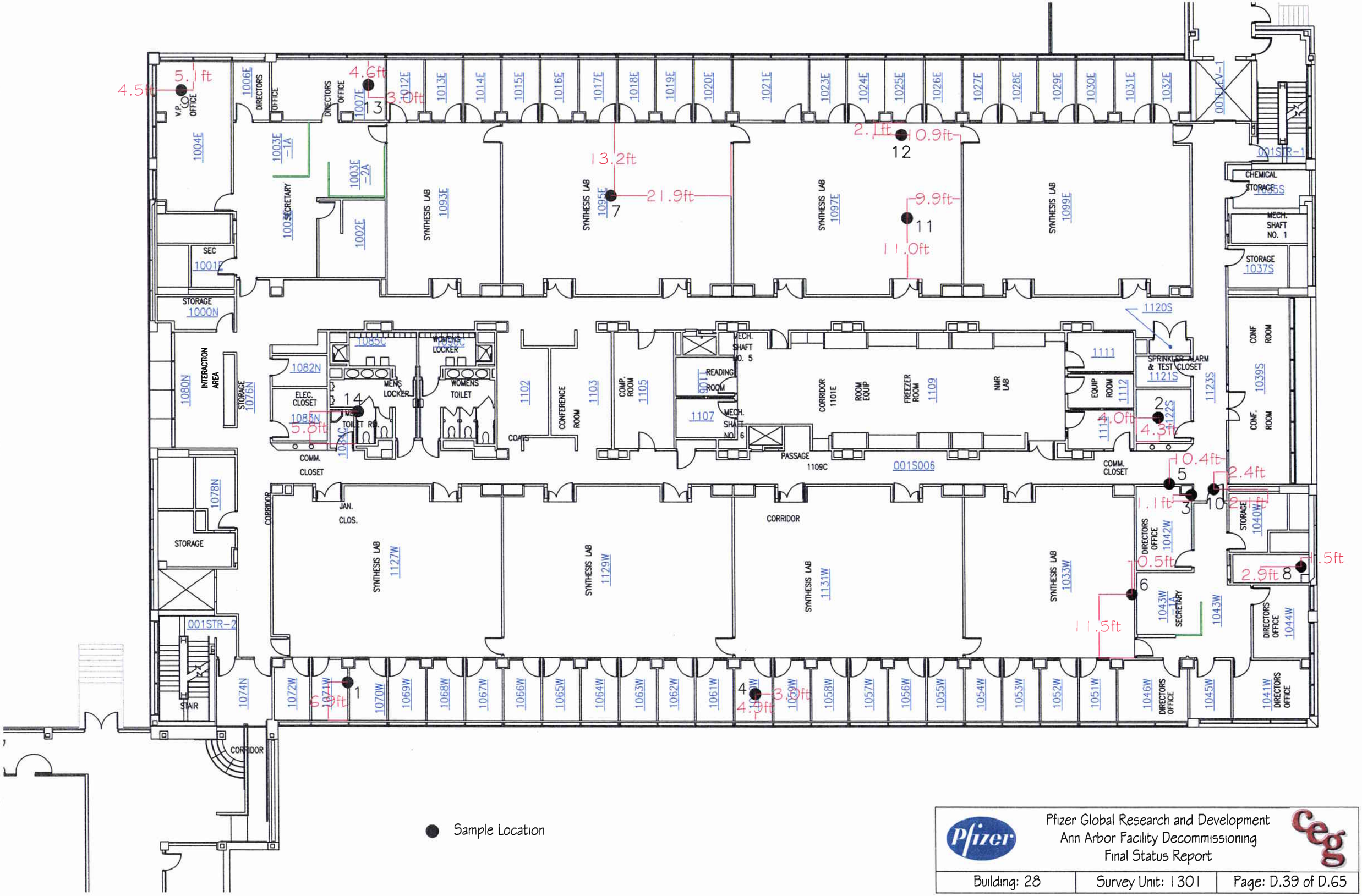

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 28 | Survey Unit: G201 | Page: D.37 of D.65 |
|---|---|---|



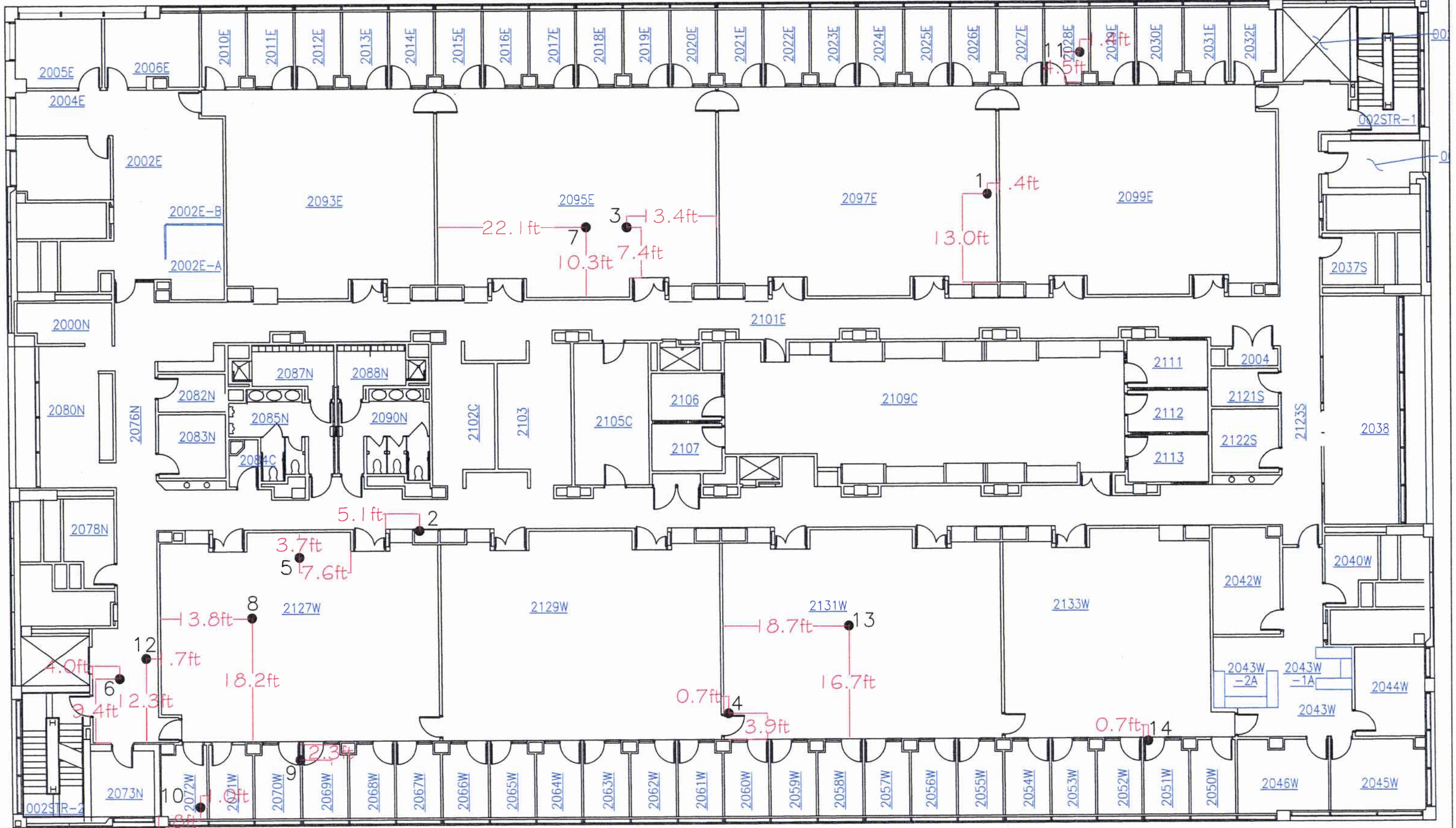

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 28 | Survey Unit: G301 | Page: D.38 of D.65 |
|---|---|---|



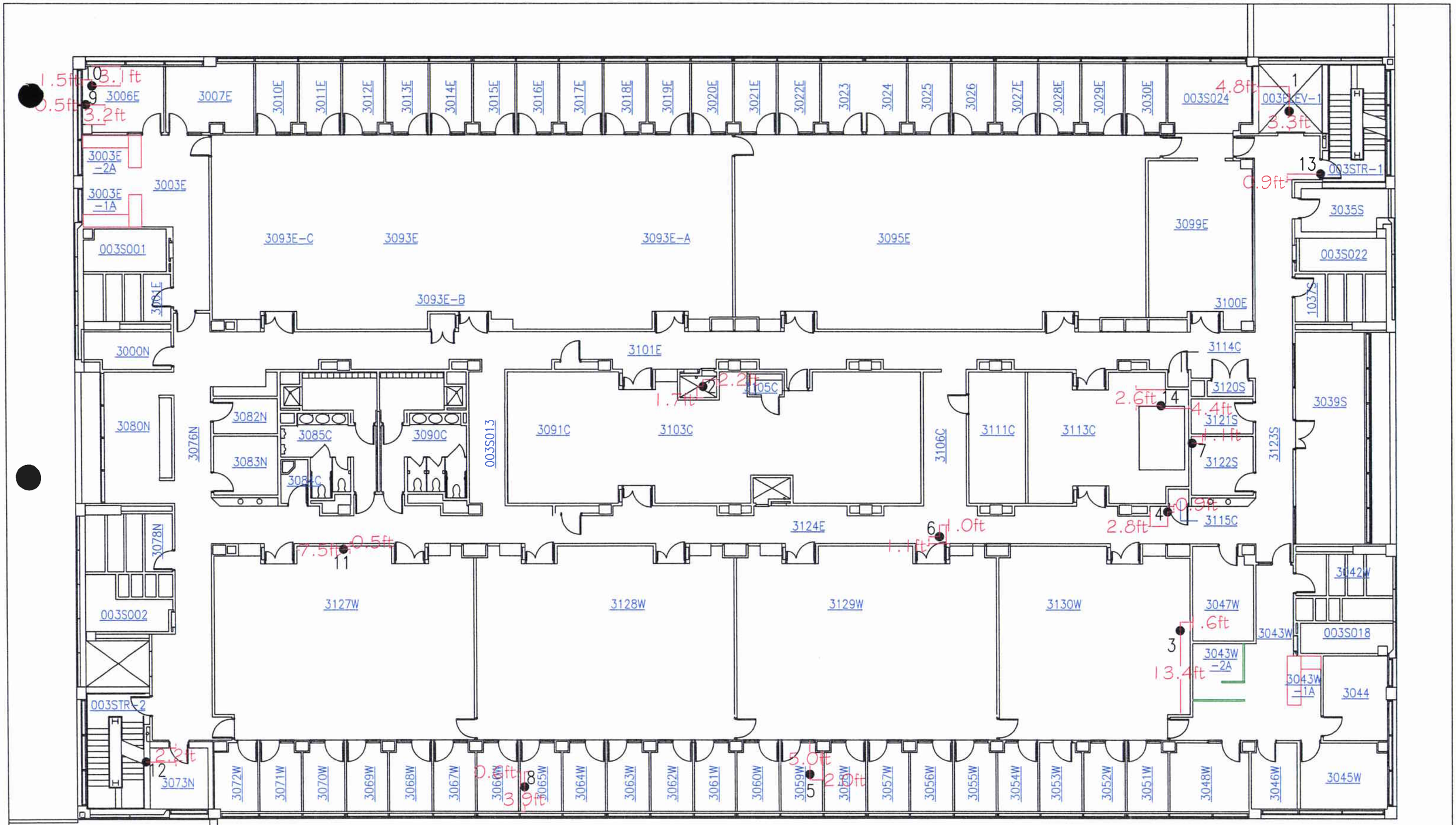

Sample Location

| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 28 | Survey Unit: 1301 | Page: D.39 of D.65 |




Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

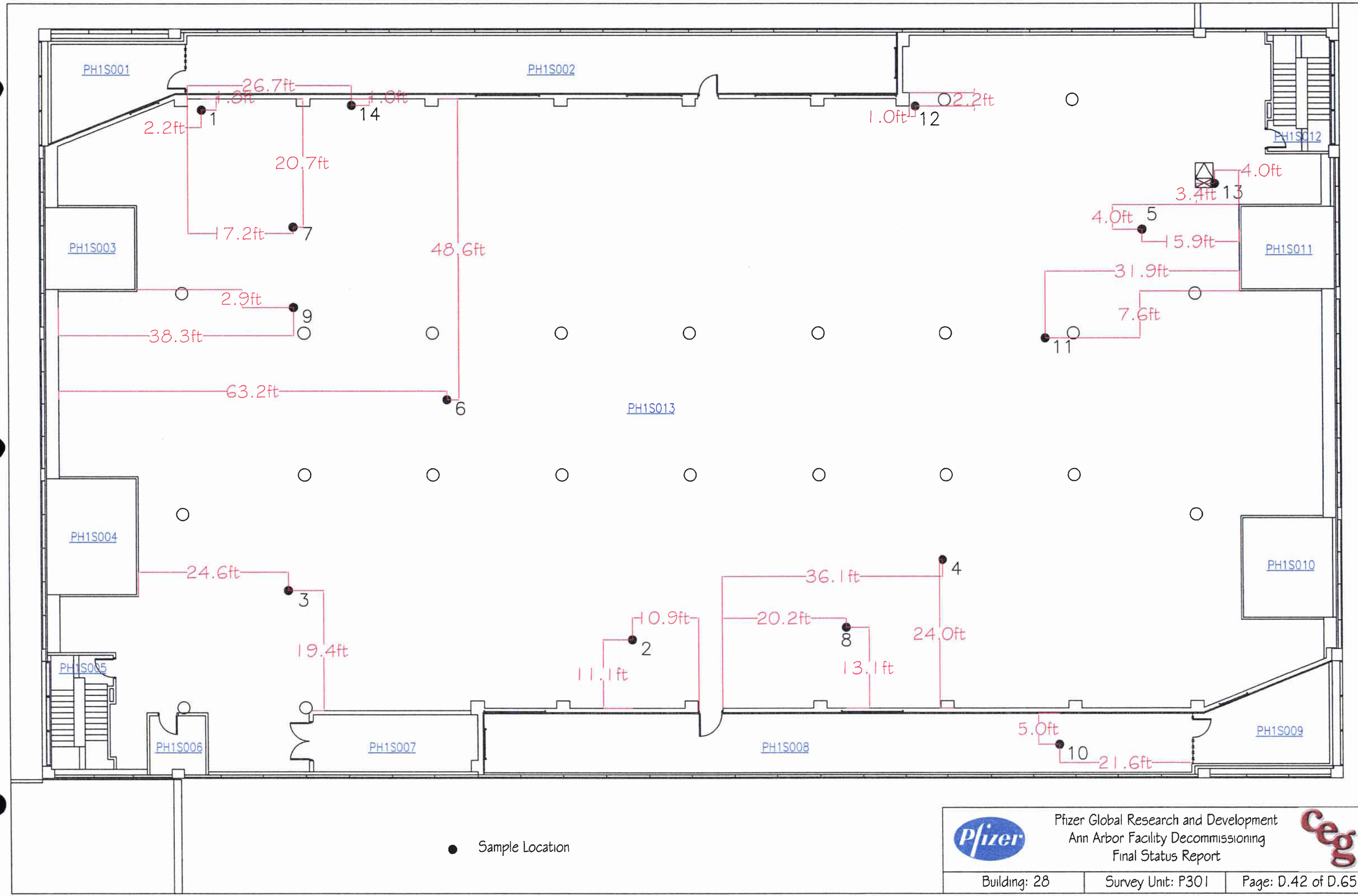
| Building: 28 | Survey Unit: 2301 | Page: D.40 of D.65 |
|---|---|---|




● Sample Location

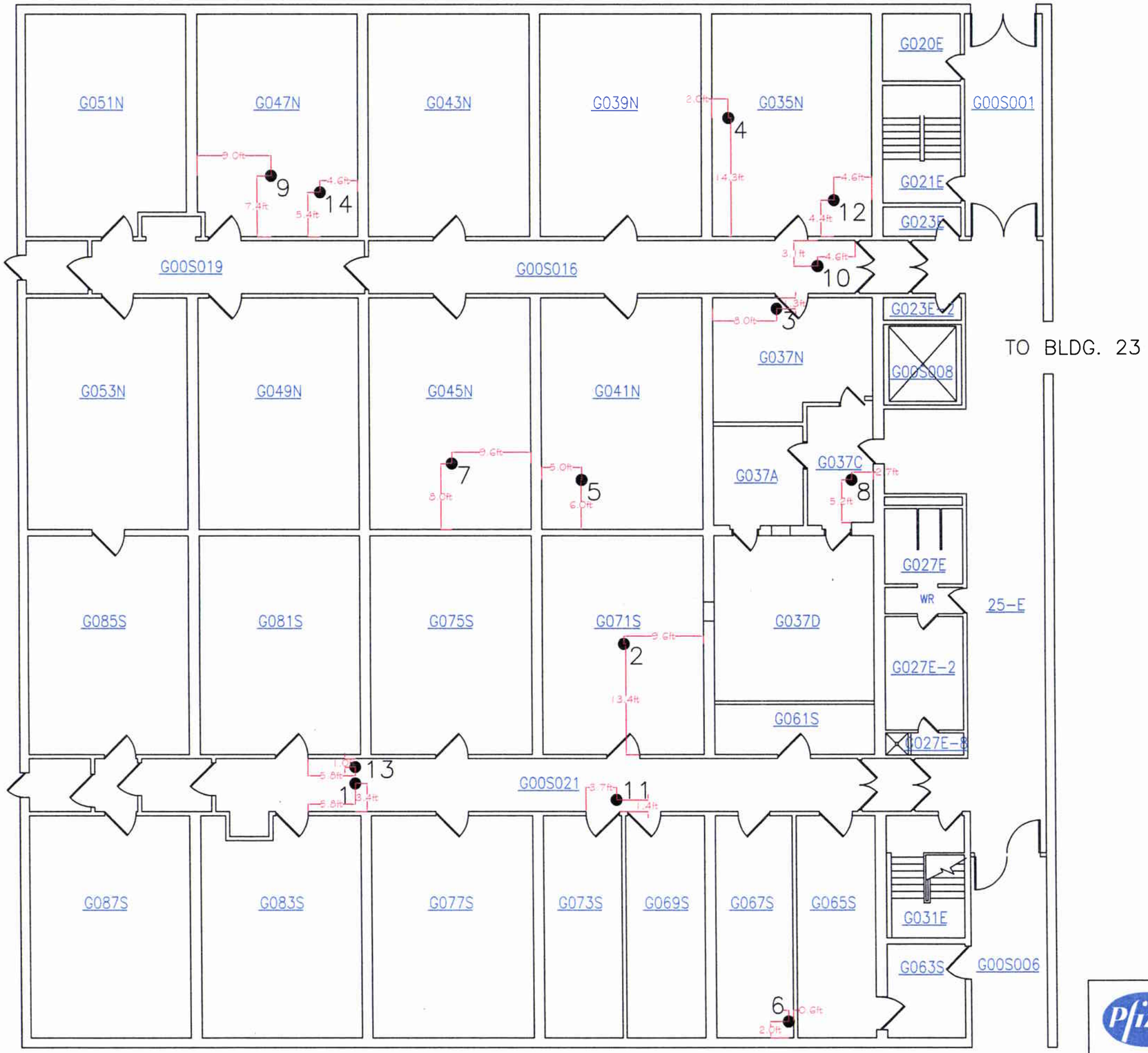
Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 28 | Survey Unit: 3301 | Page: D.41 of D.65 |
|---|---|---|



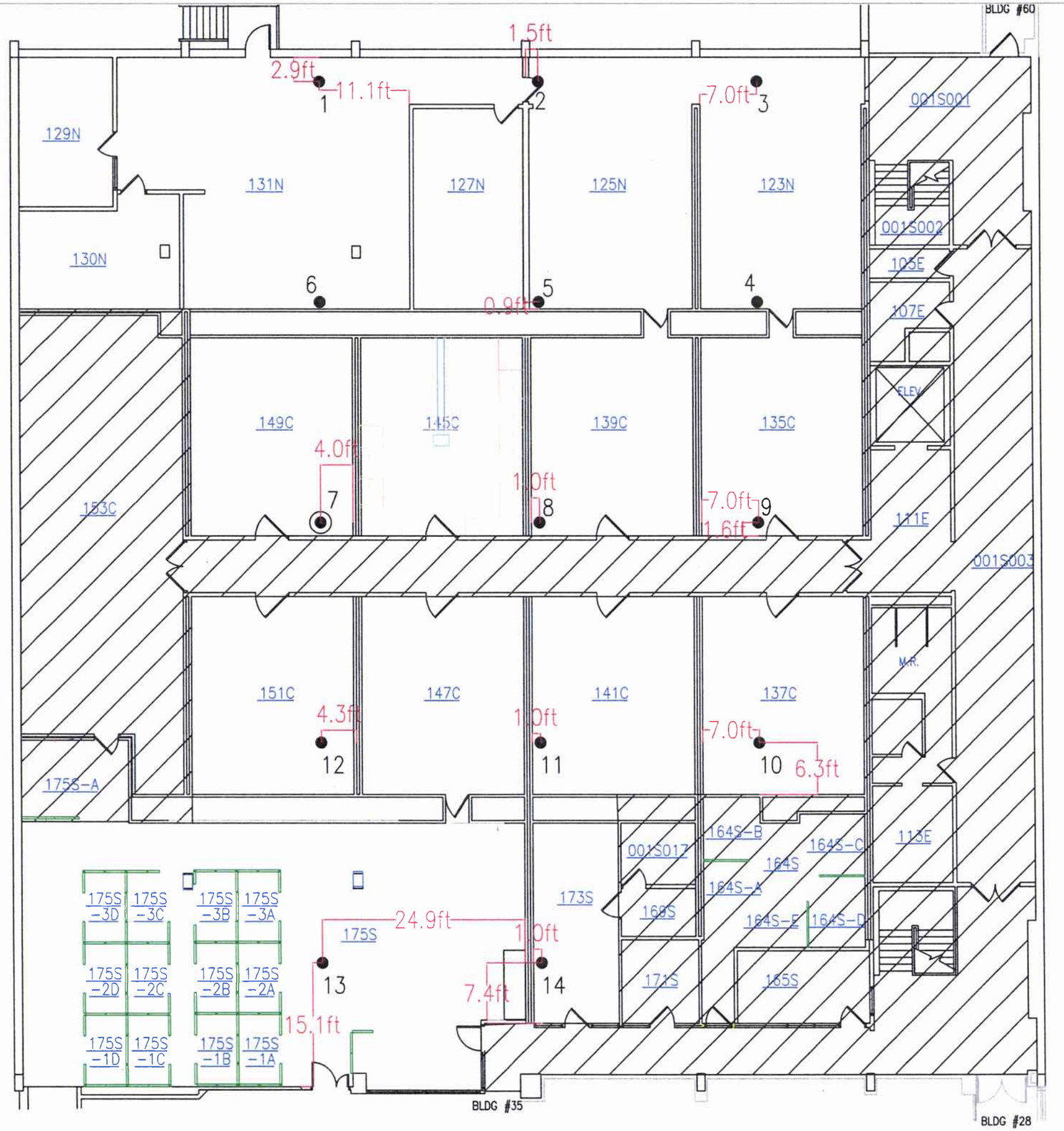

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 28 | Survey Unit: P301 | Page: D.42 of D.65 |
|---|---|---|




● Sample Location

| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 30 | Survey Unit: G301 | Page: D.43 of D.65 |

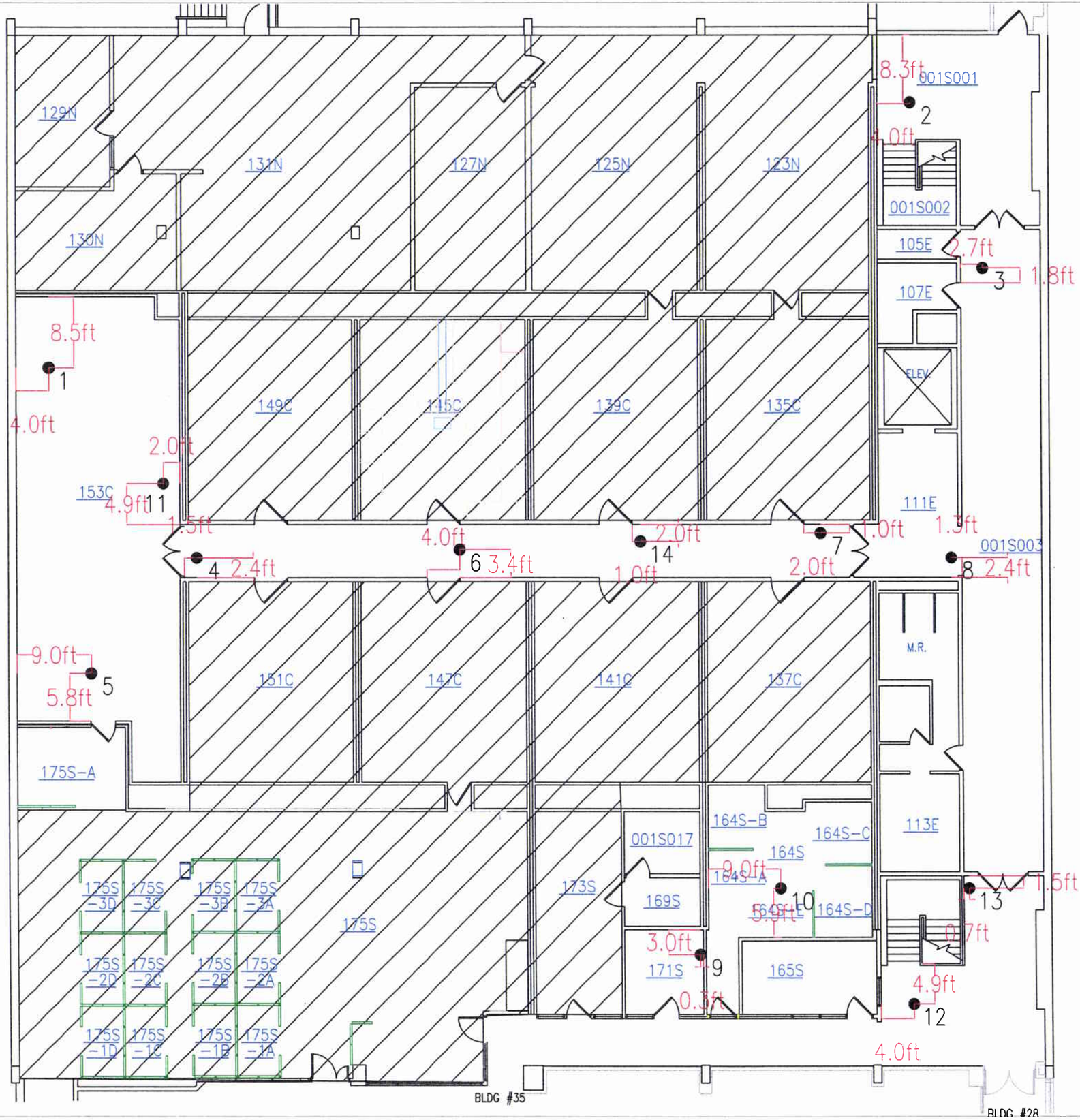



Random Start Location

Sample Location

Spacing= 27ft

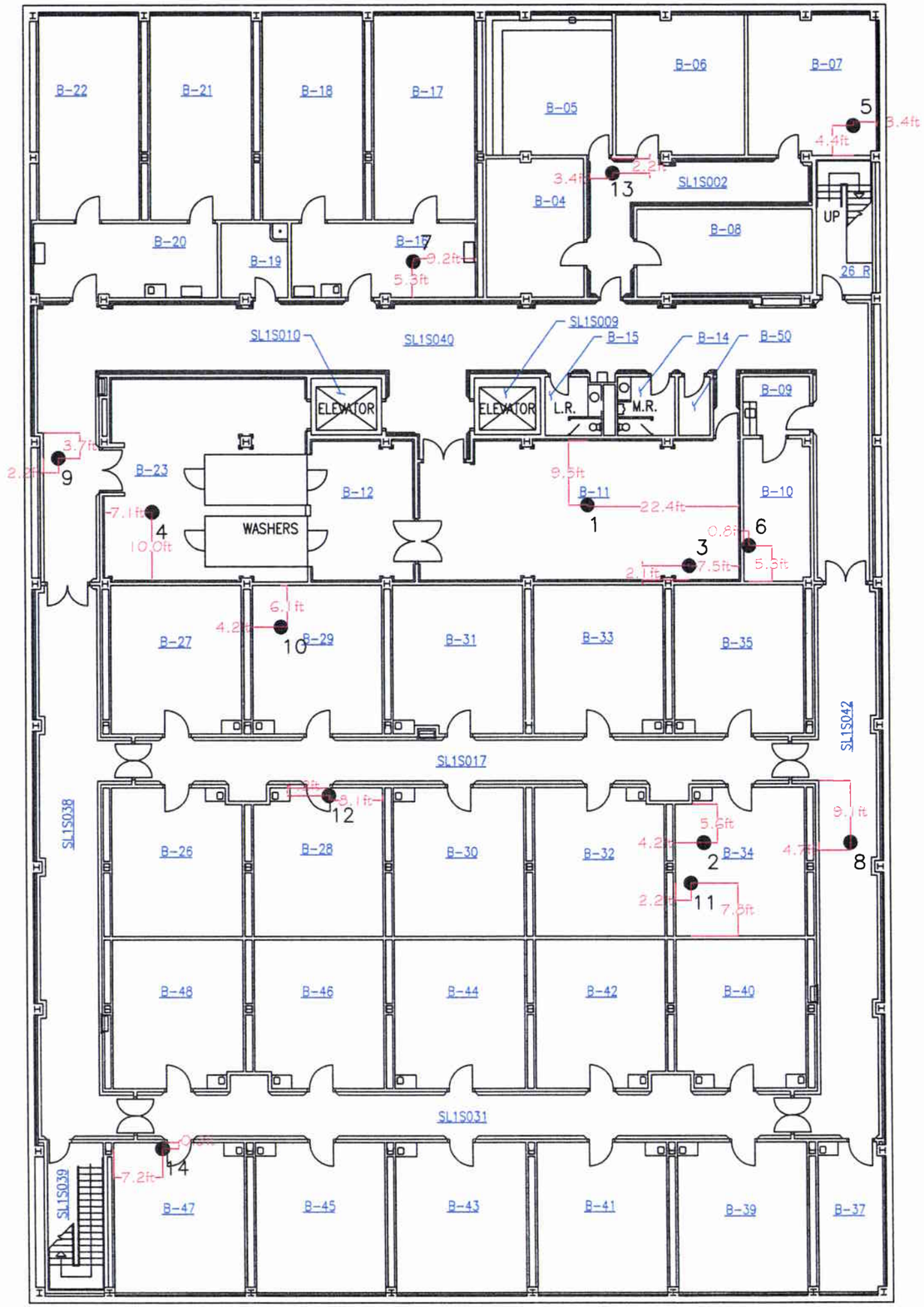
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 30 | Survey Unit: 1201 | Page: D.44 of D.65 |




● Sample Location

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

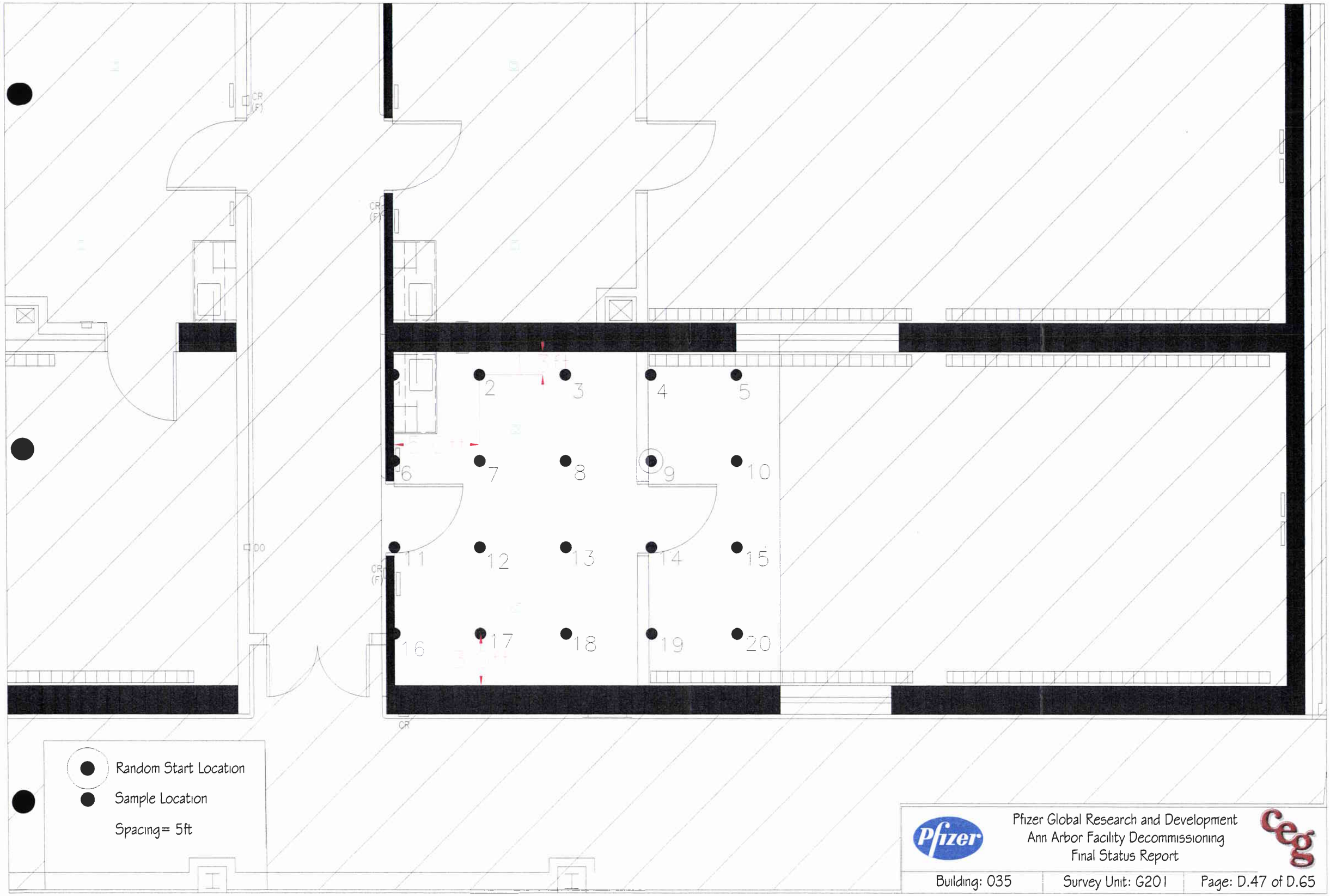
| Building: 30 | Survey Unit: 1301 | Page: D.45 of D.65 |
|---|---|---|




● Sample Location

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 35 | Survey Unit: B301 | Page: D.46 of D.65 |
|---|---|---|




Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

6
8
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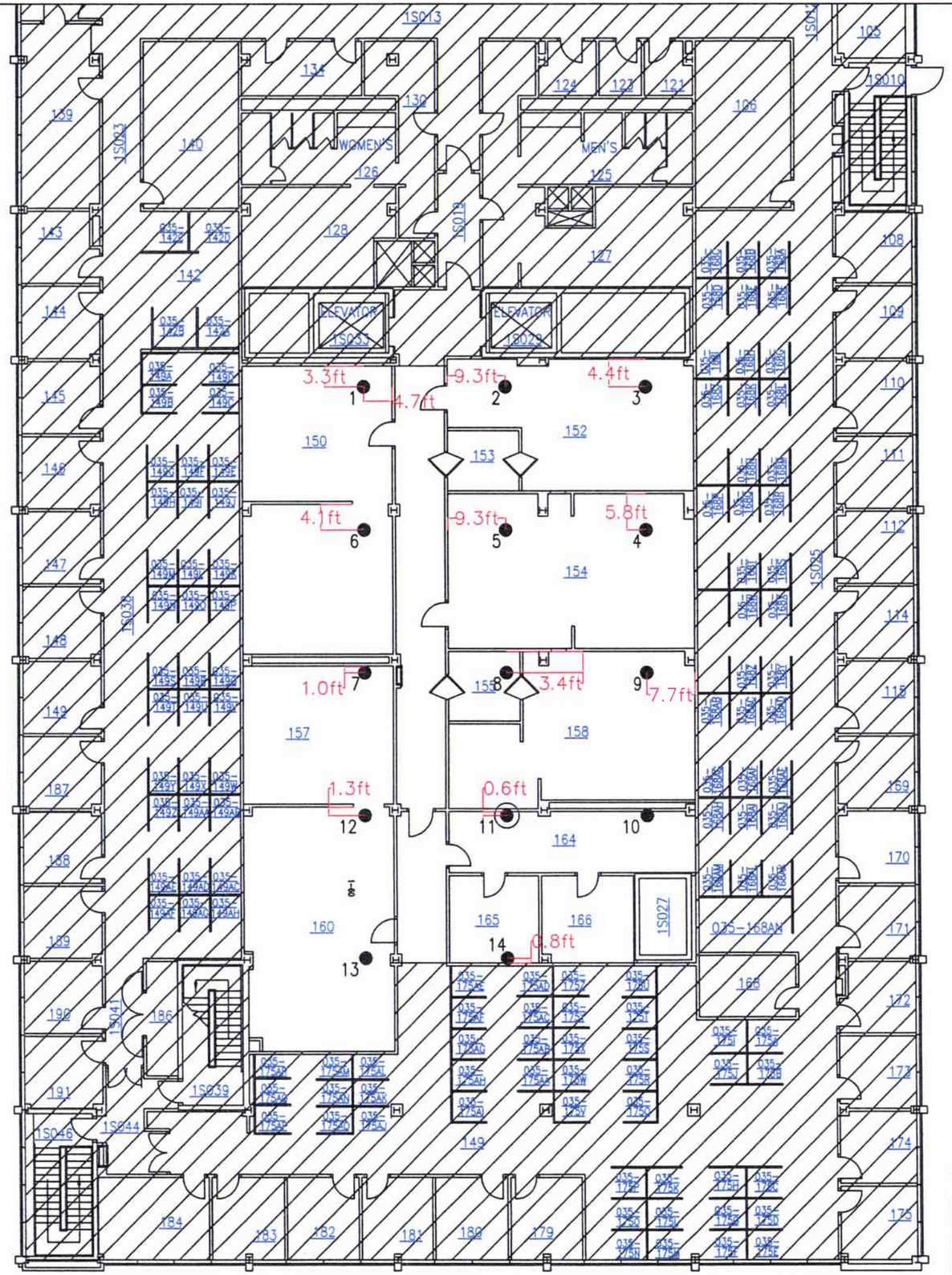
11



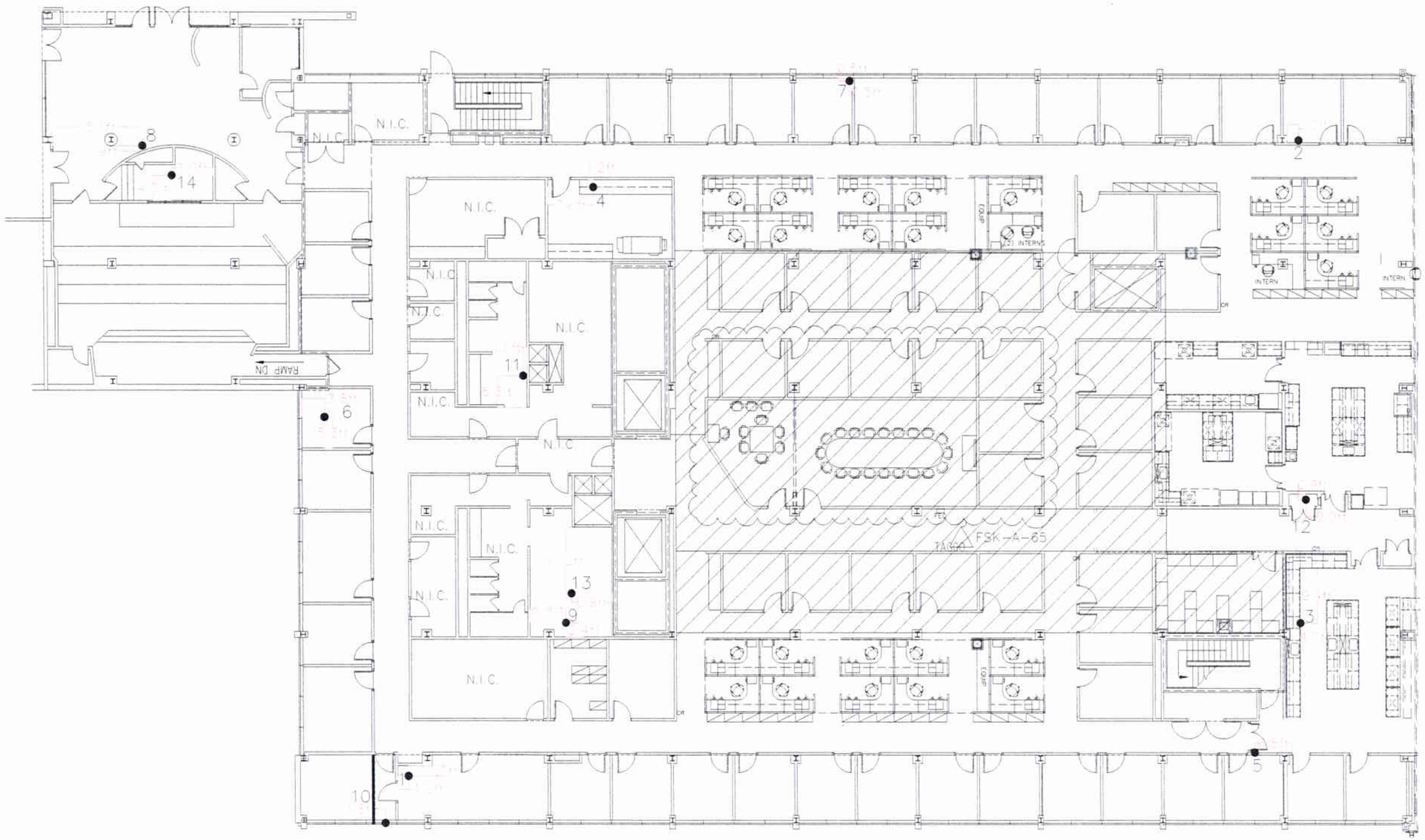

Random Start Location

Sample Location

Spacing= 23ft

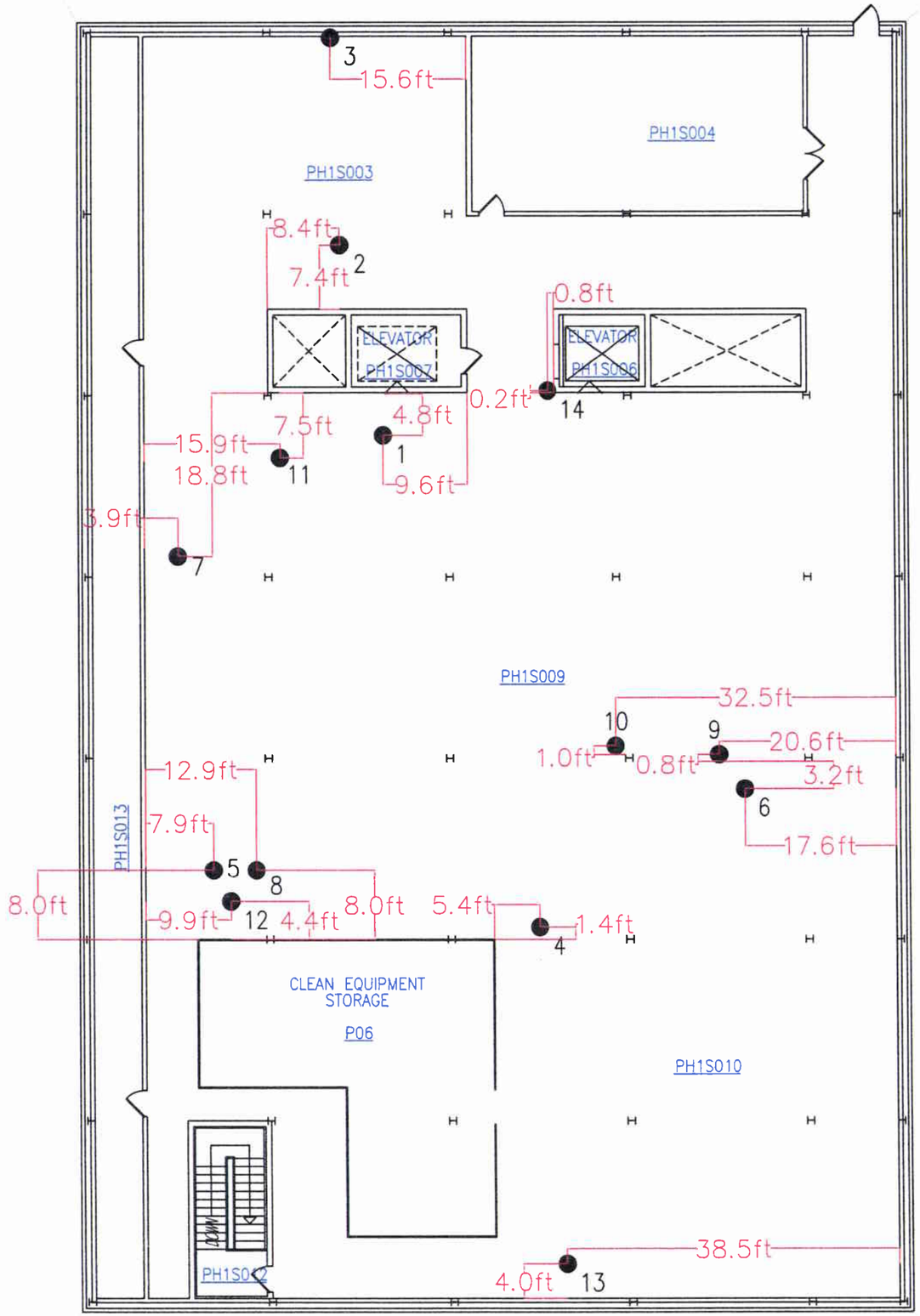
Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 35 | Survey Unit: 1201 | Page: D.49 of D.65 |
|---|---|---|




Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

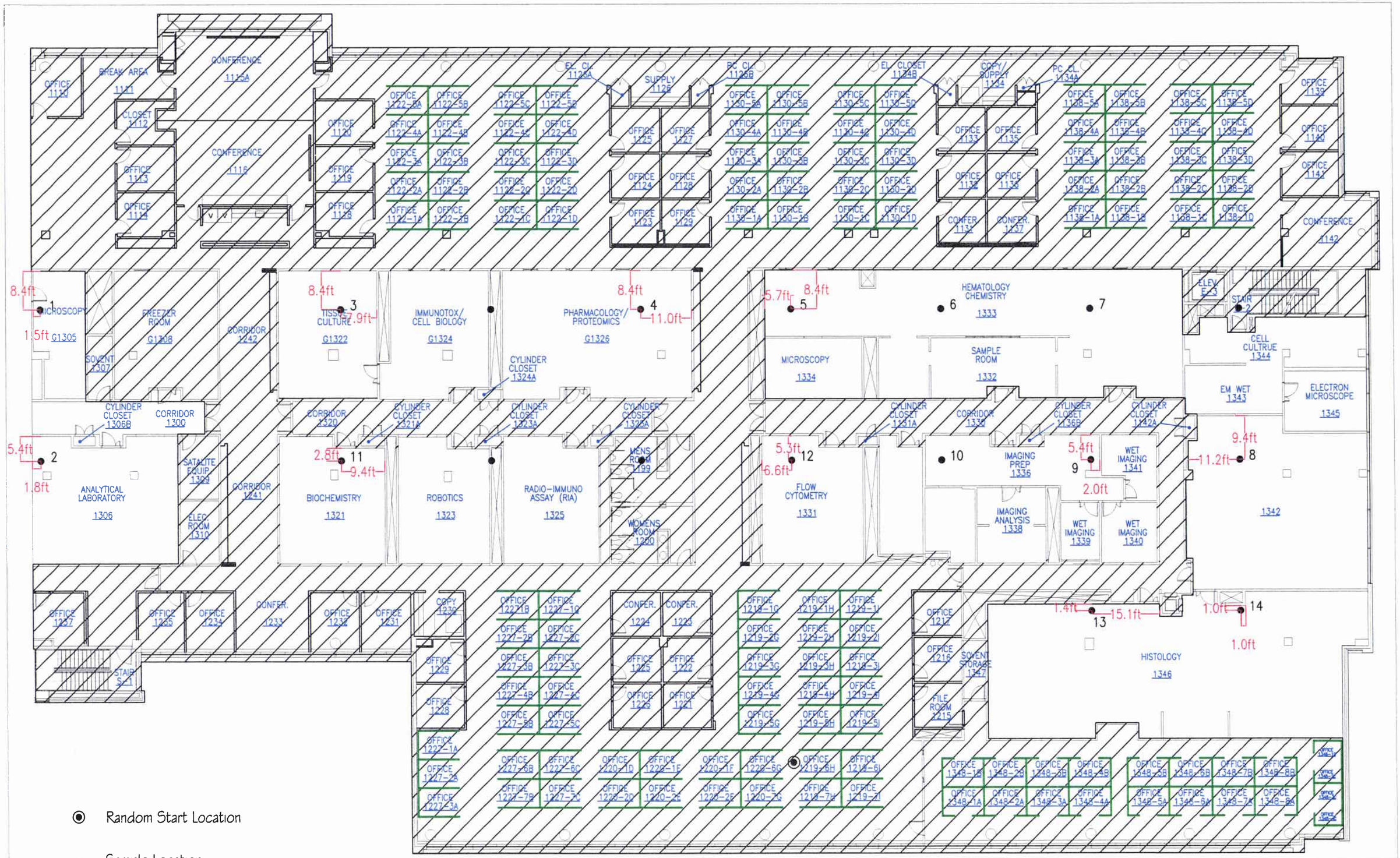
| Building: 035 | Survey Unit: 1301 | Page: D.50 of D.65 |
|---|---|---|




● Sample Location

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 35 | Survey Unit: P301 | Page: D.51 of D.65 |
|---|---|---|



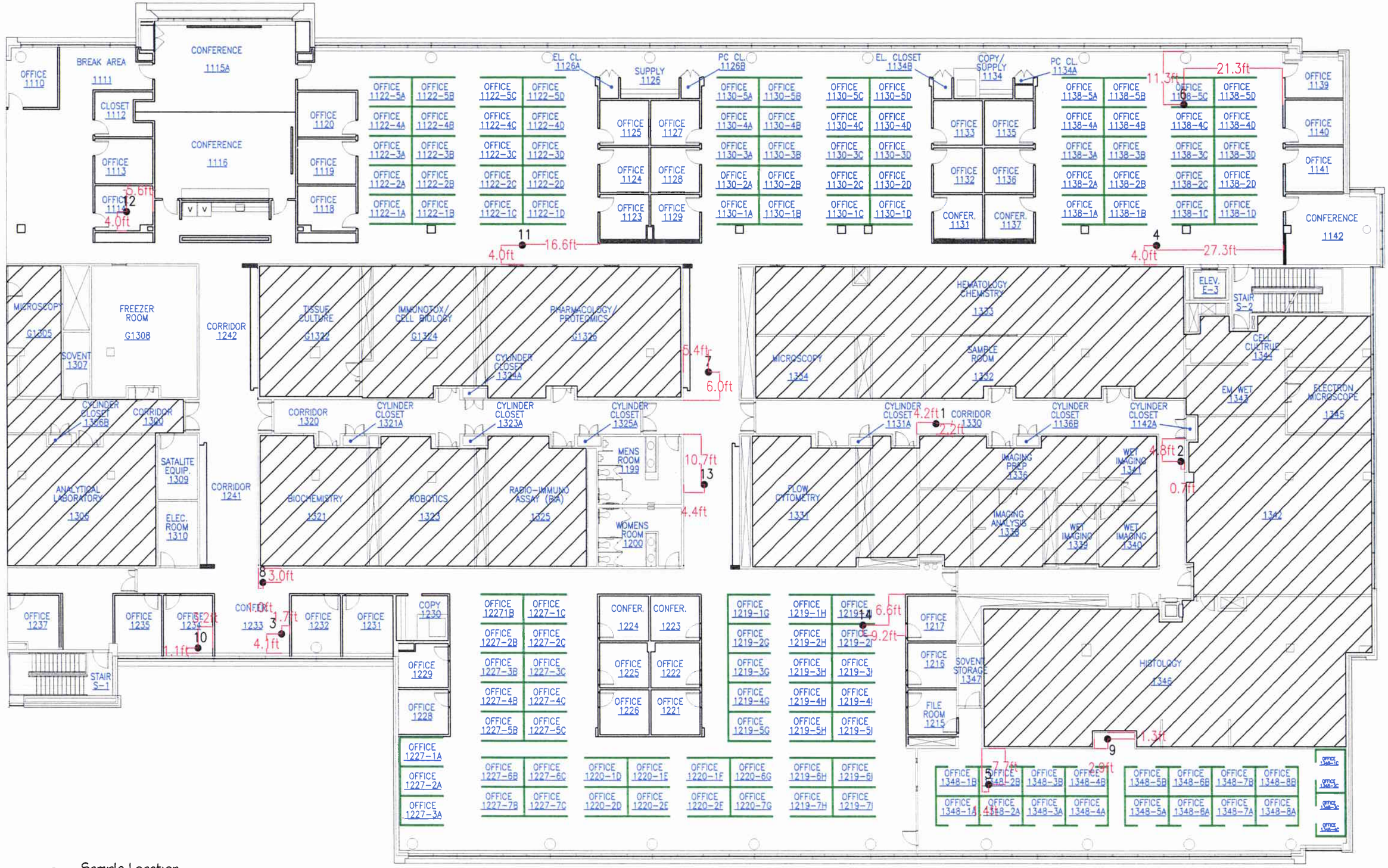

◉ Random Start Location

• Sample Location

Spacing= 33ft

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

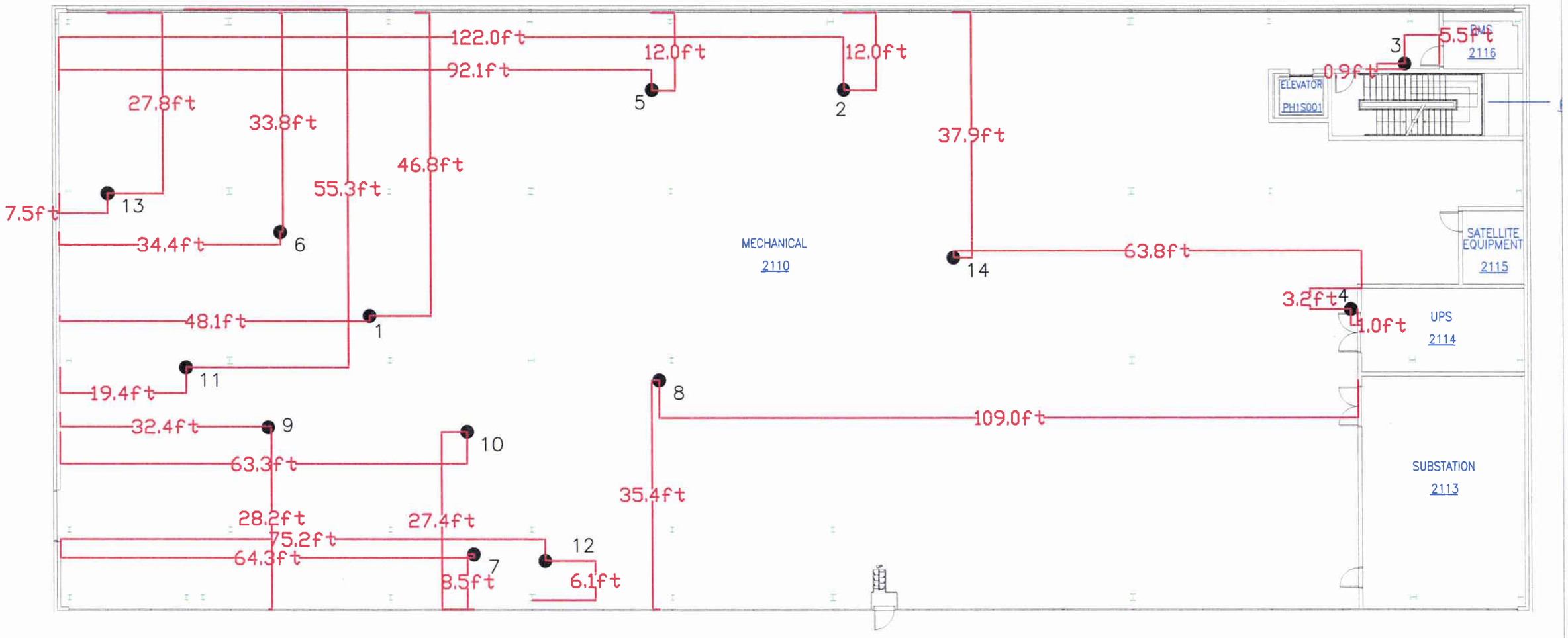
| Building: 36 | Survey Unit: 1201 | Page: D.52 of D.65 |
|---|---|---|




• Sample Location

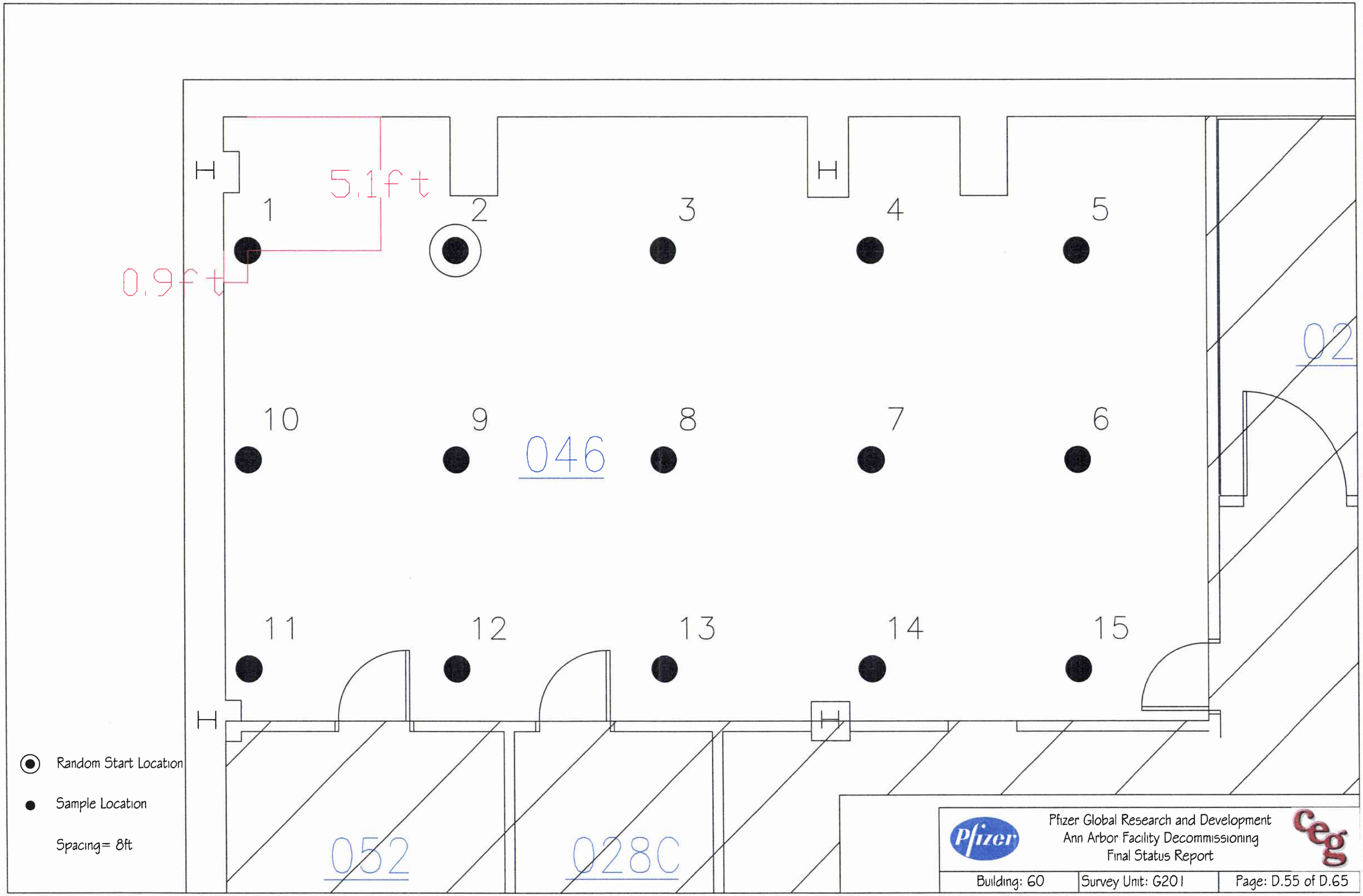
Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 36 | Survey Unit: 1301 | Page: D.53 of D.65 |
|---|---|---|




• Sample Location

| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 36 | Survey Unit: P301 | Page: D.54 of D.65 |


5.1ft
0.9ft
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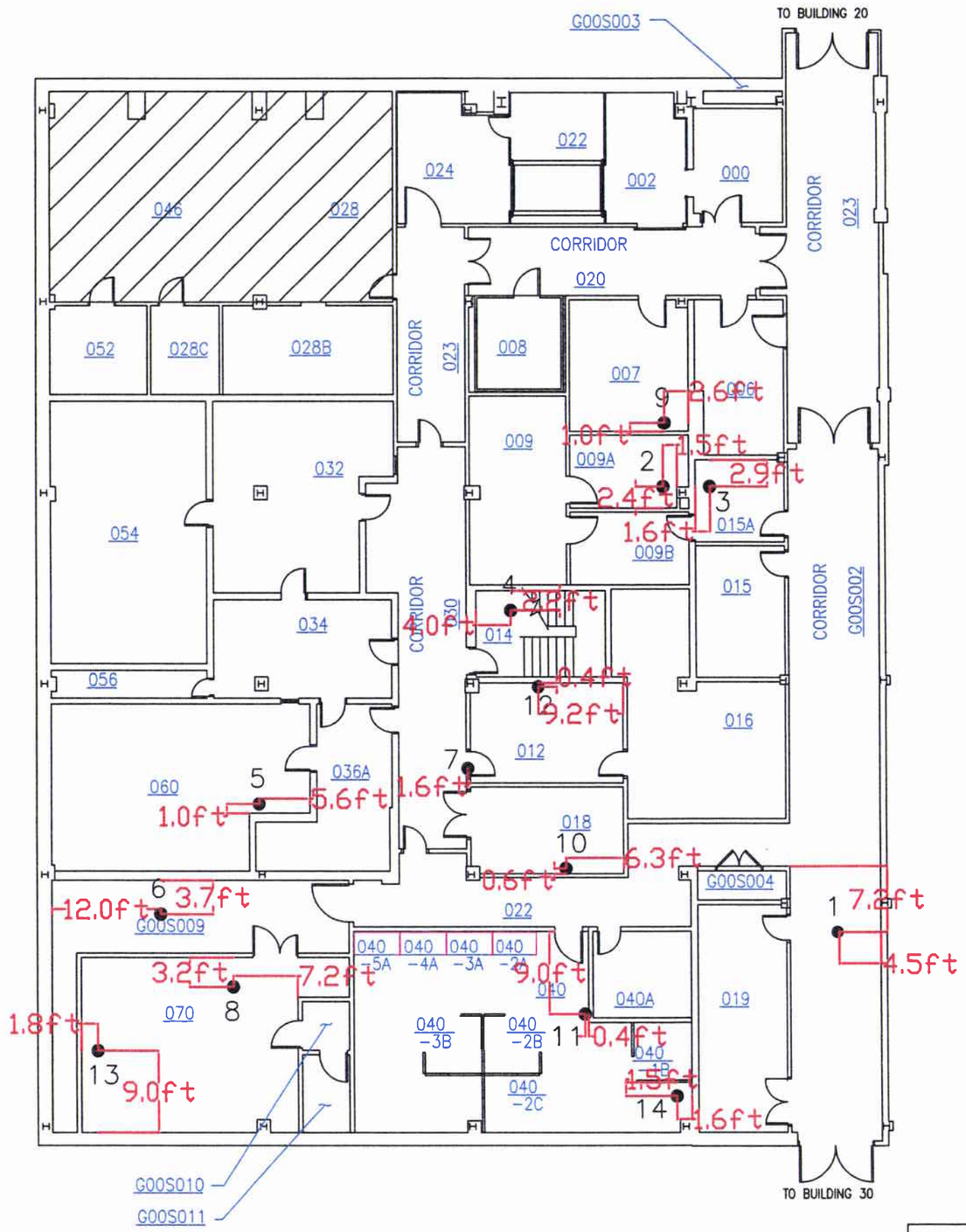
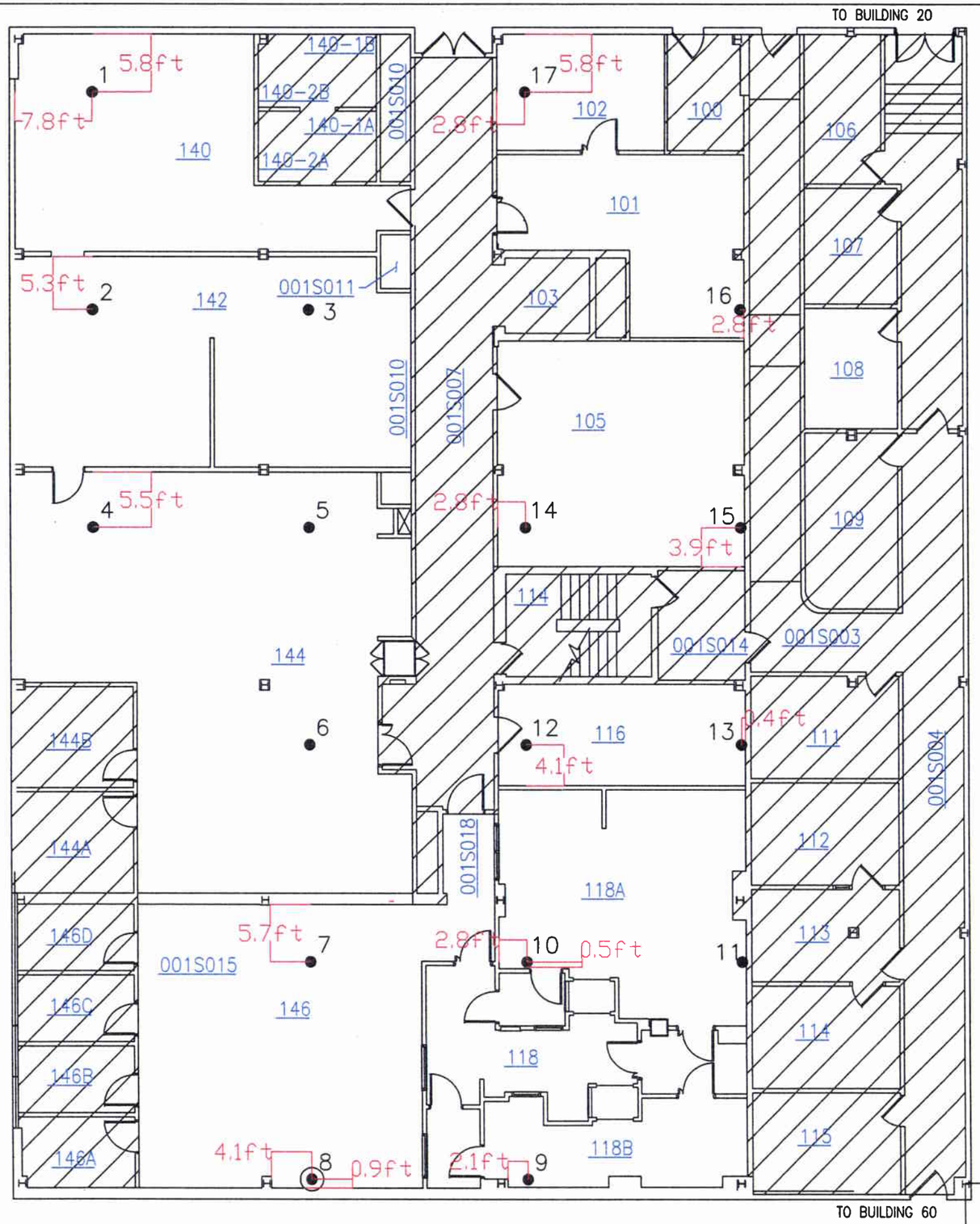
4
5
10
9
8
7
6
11
12
13
14
15
046
02
052
028C
Random Start Location
Sample Location
Spacing= 8ft
Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report
Building: 60
Survey Unit: G201
Page: D.55 of D.65




• Sample Location

| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 60 | Survey Unit: G301 | Page: D.56 of D.65 |



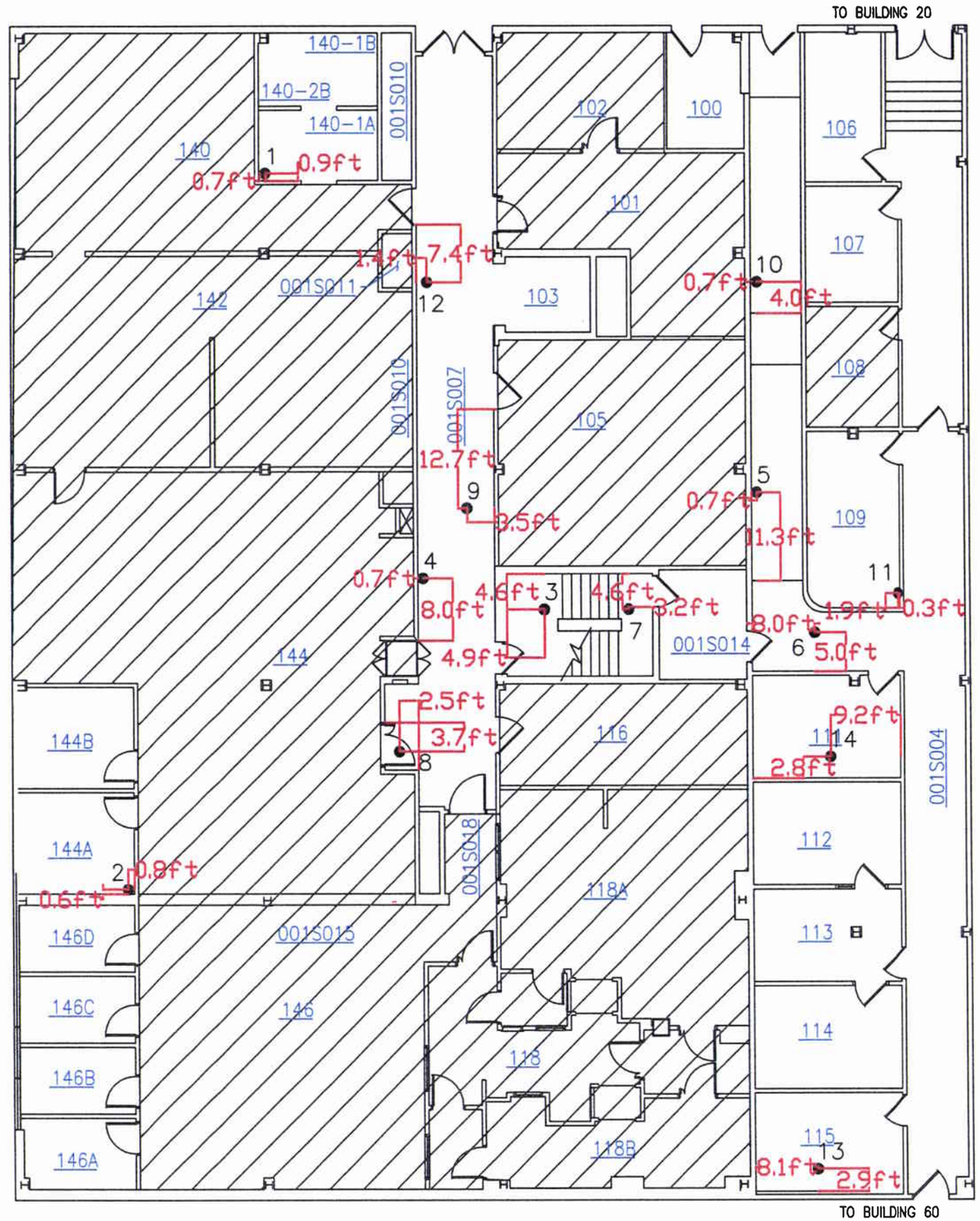

Random Start Location

Sample Location

Spacing= 21ft

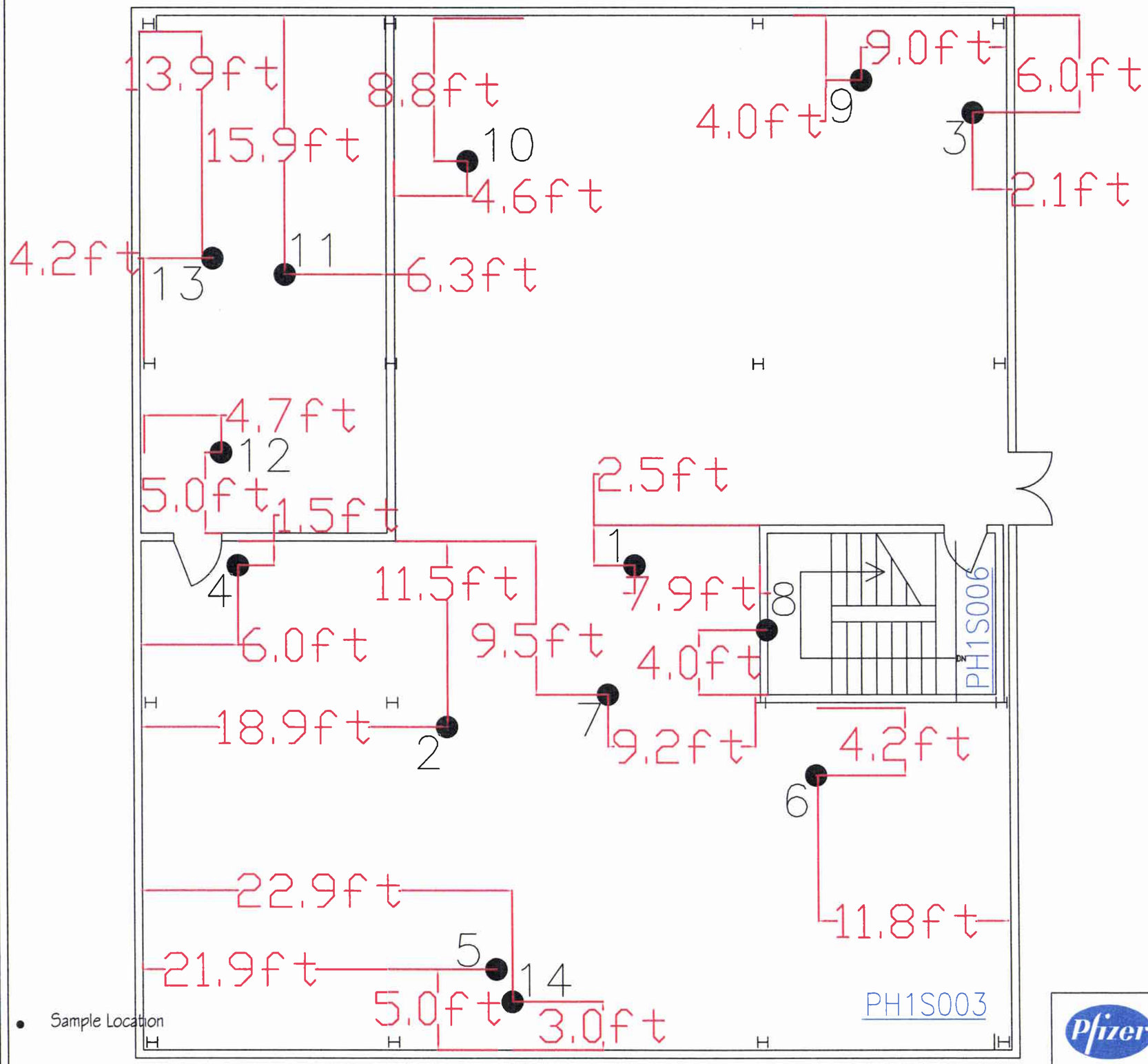
Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 60 | Survey Unit: 1201 | Page: D.57 of D.65 |
|---|---|---|




• Sample Location

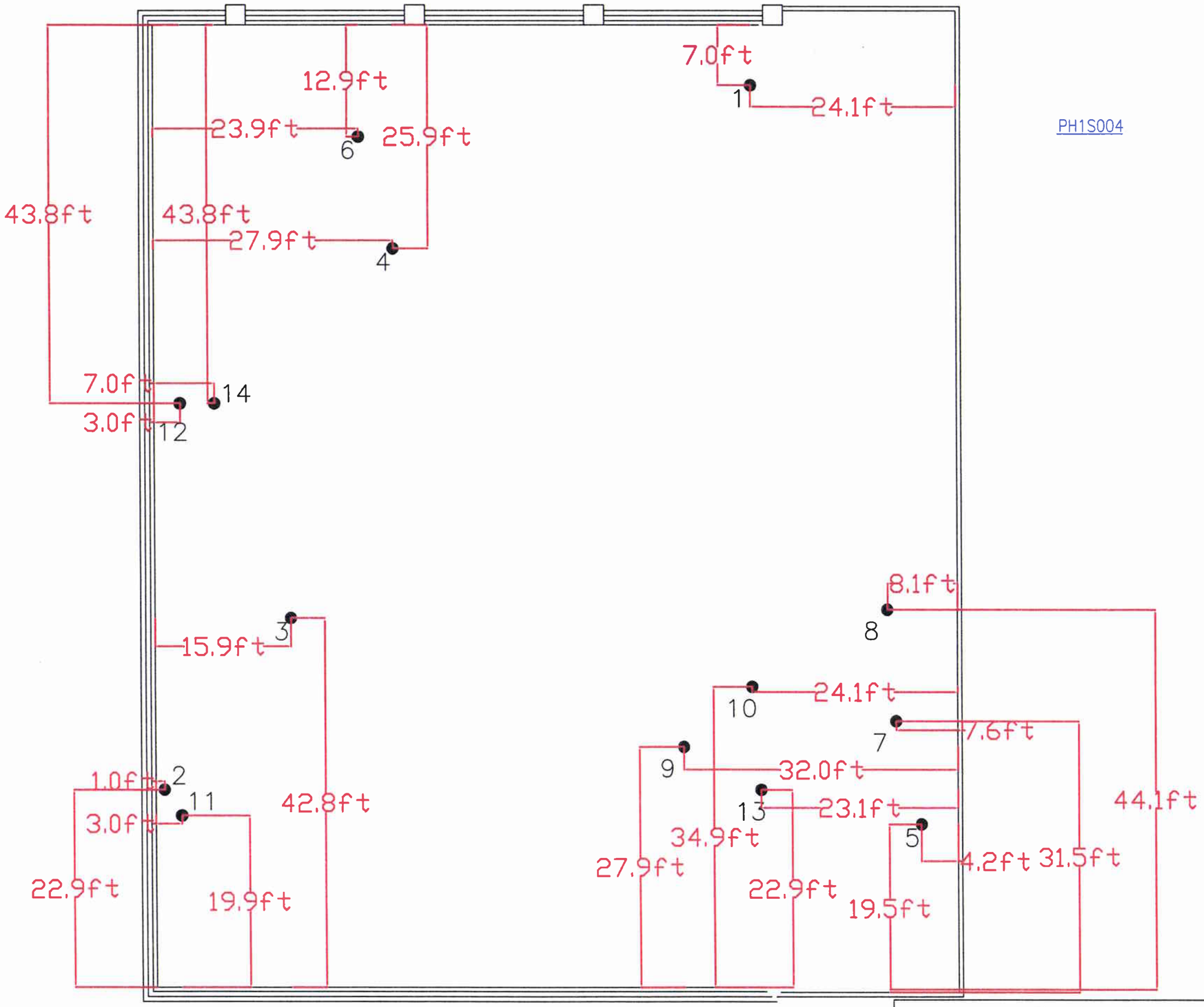
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 60 | Survey Unit: 1301 | Page: D.58 of D.65 |




• Sample Location

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 60 | Survey Unit: P301 | Page: D.59 of D.65 |
|---|---|---|

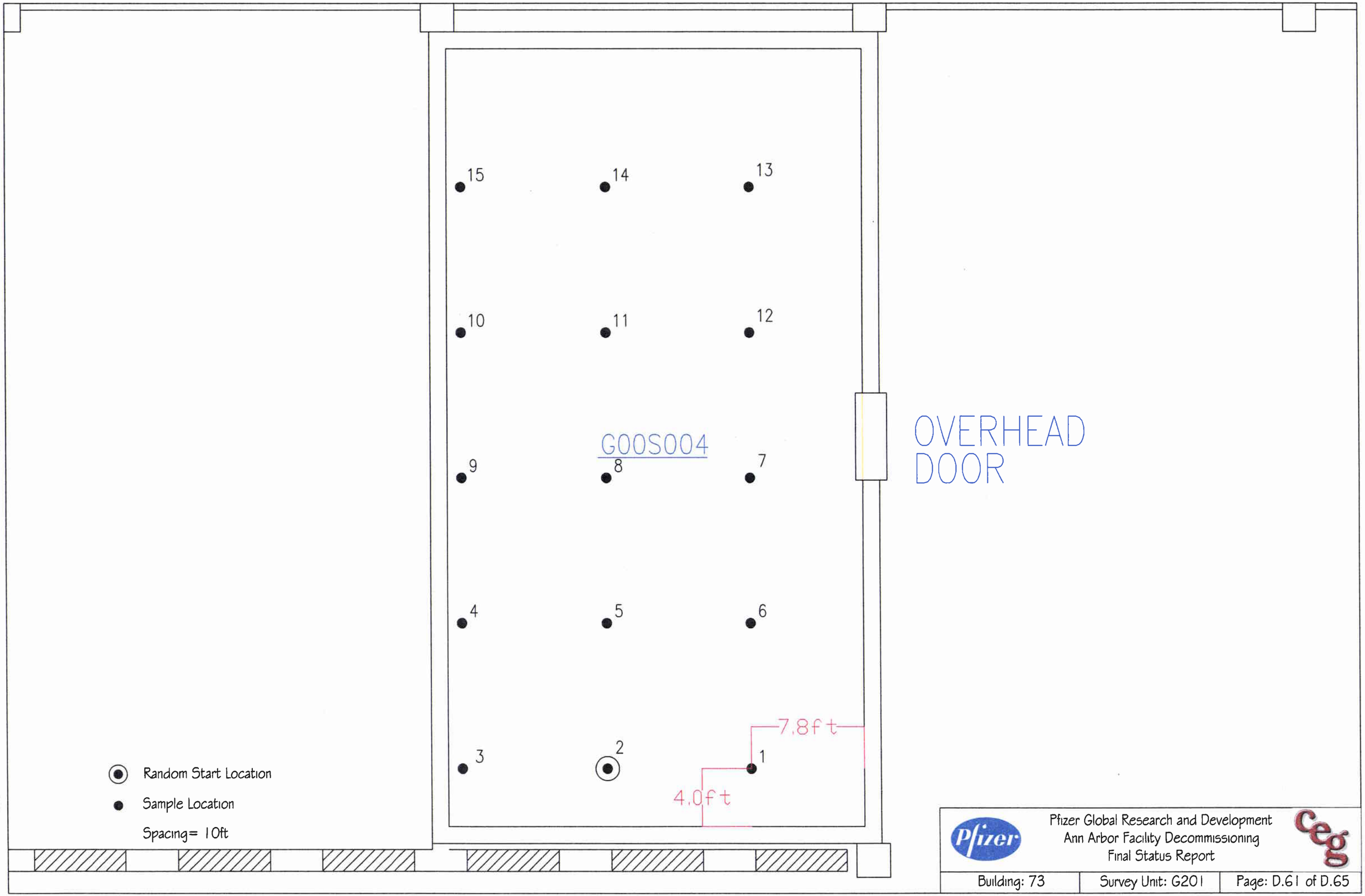


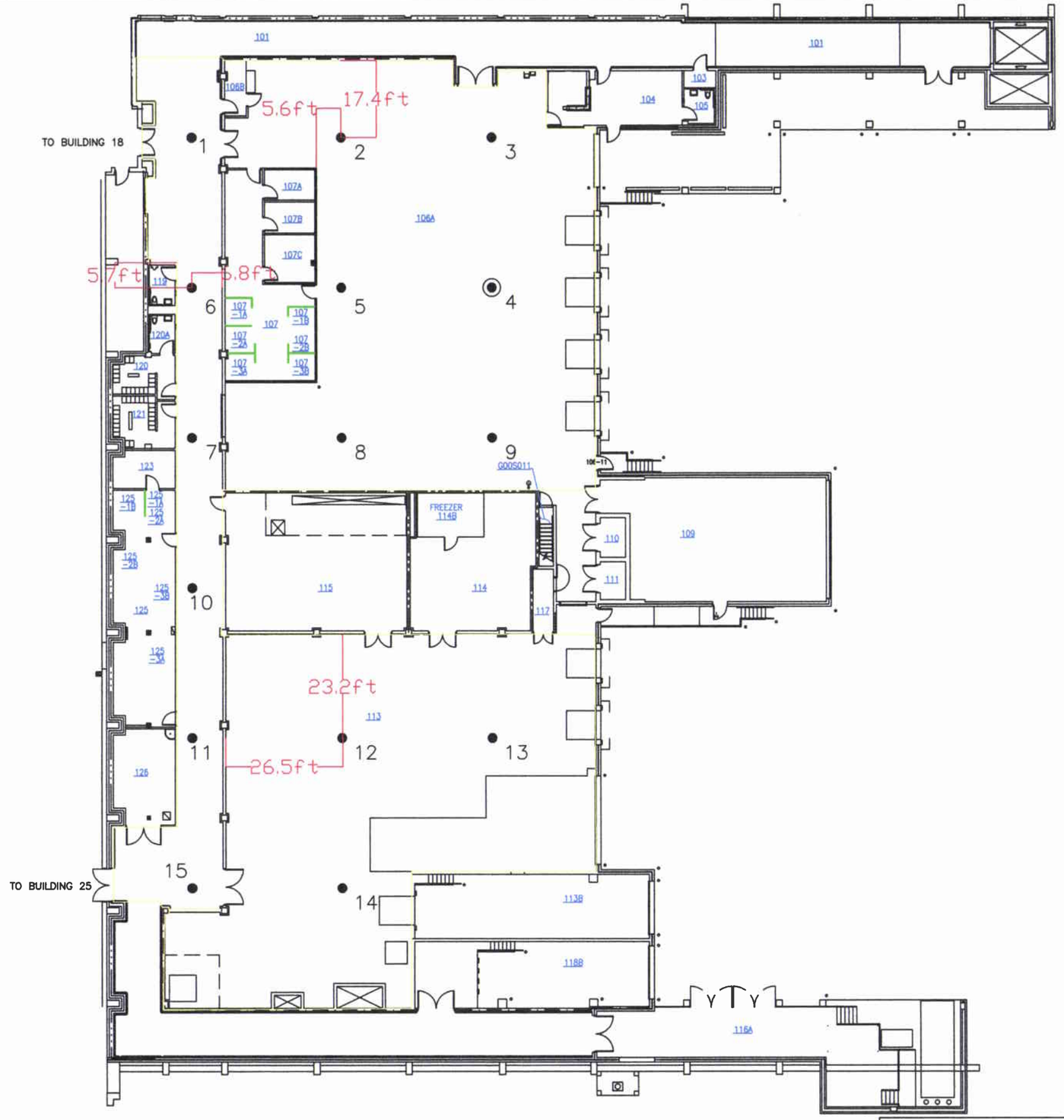

PH1S004

• Sample Location

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 60 | Survey Unit: R301 | Page: D.60 of D.65 |
|---|---|---|


15
14
13
10
11
12
G00S004
9
8
7
OVERHEAD DOOR
4
5
6
7.8ft
3
2
1
4.0ft
Random Start Location
Sample Location
Spacing= 10ft
Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report
Building: 73
Survey Unit: G201
Page: D.61 of D.65

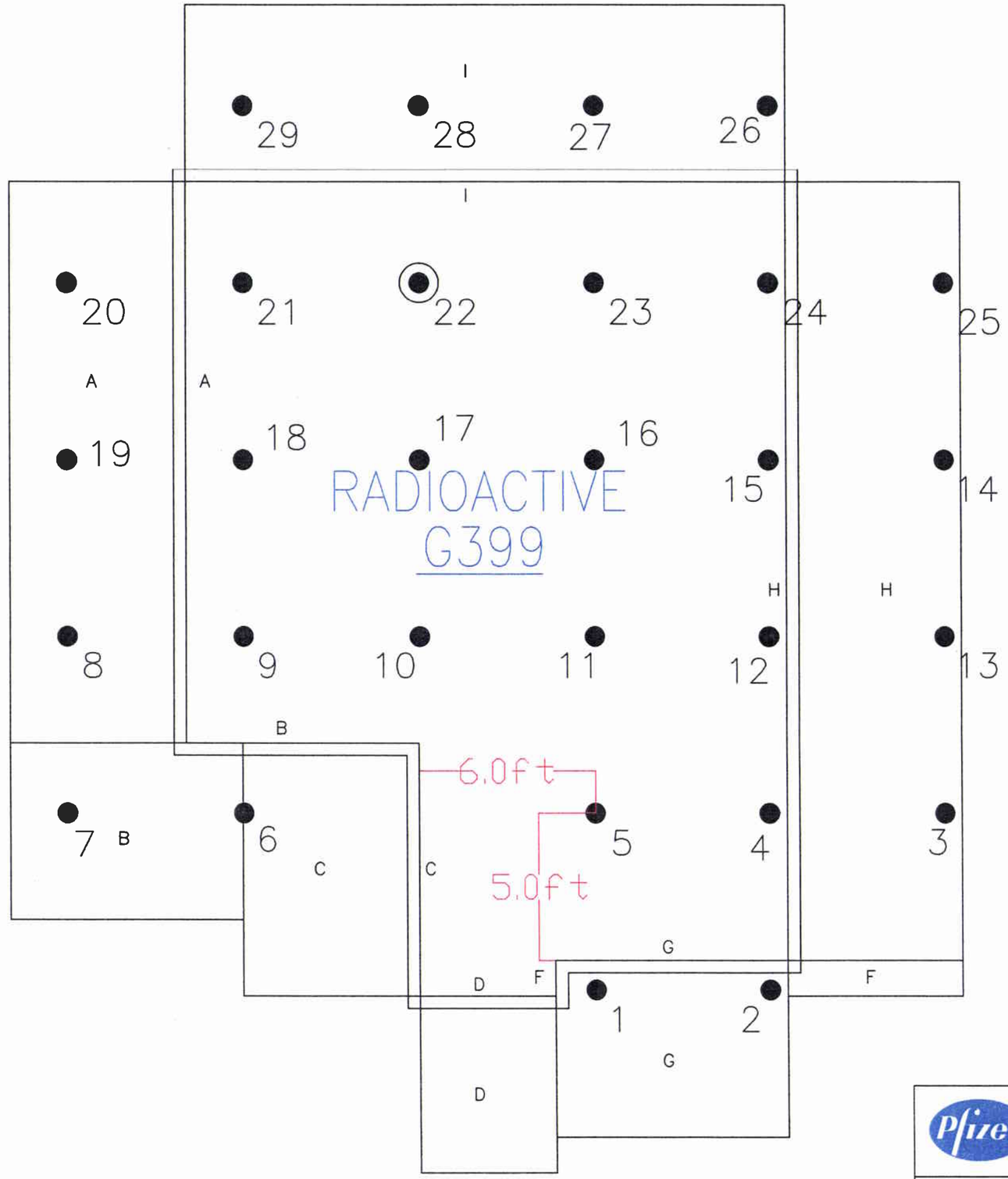



◉ Random Start Location

● Sample Location

Spacing= 34ft

| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
|---|---|---|
| Building: 90 | Survey Unit: G201 | Page: D.62 of D.65 |



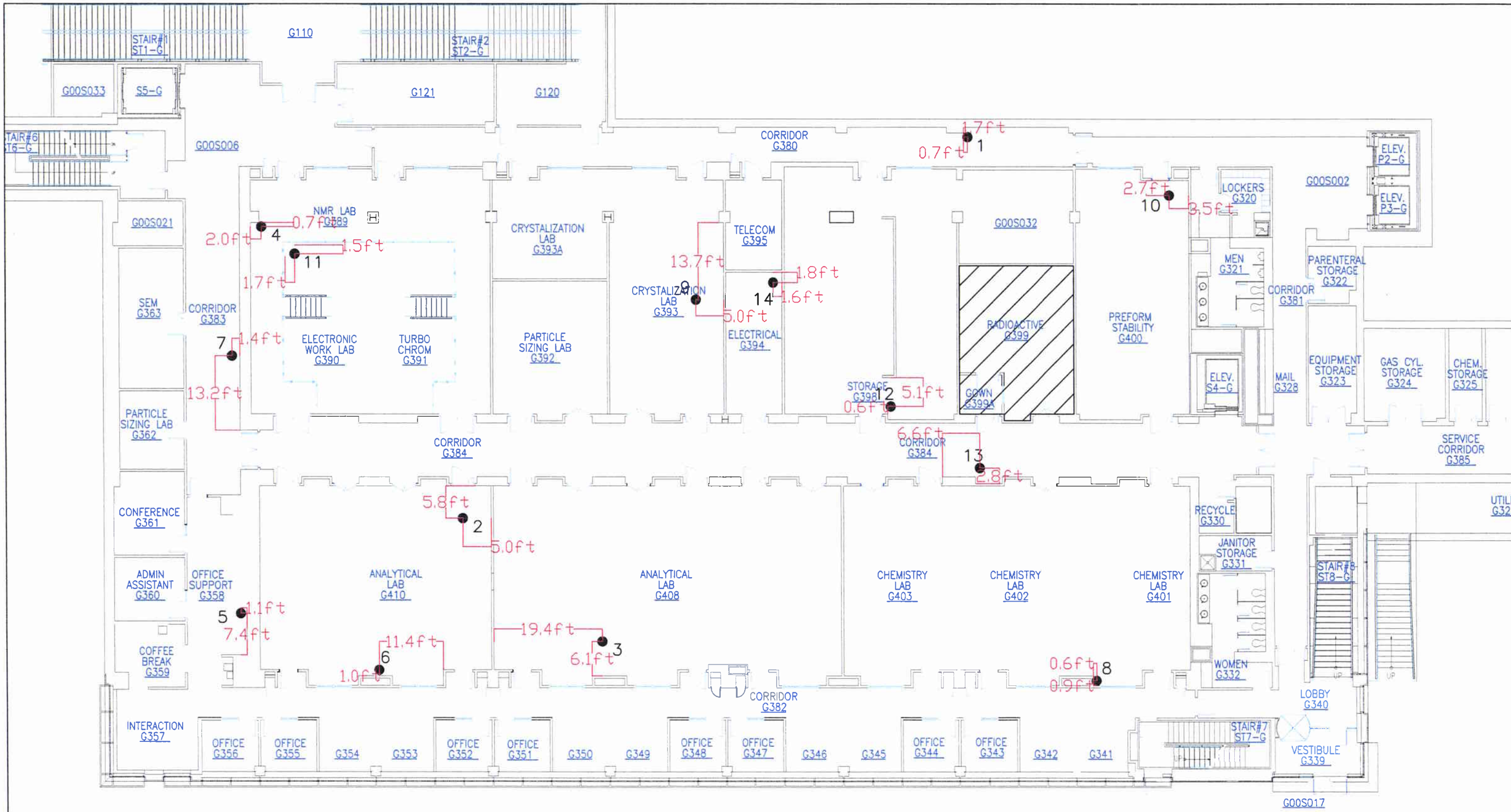

Random Start Location

Sample Location

Spacing= 6ft

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

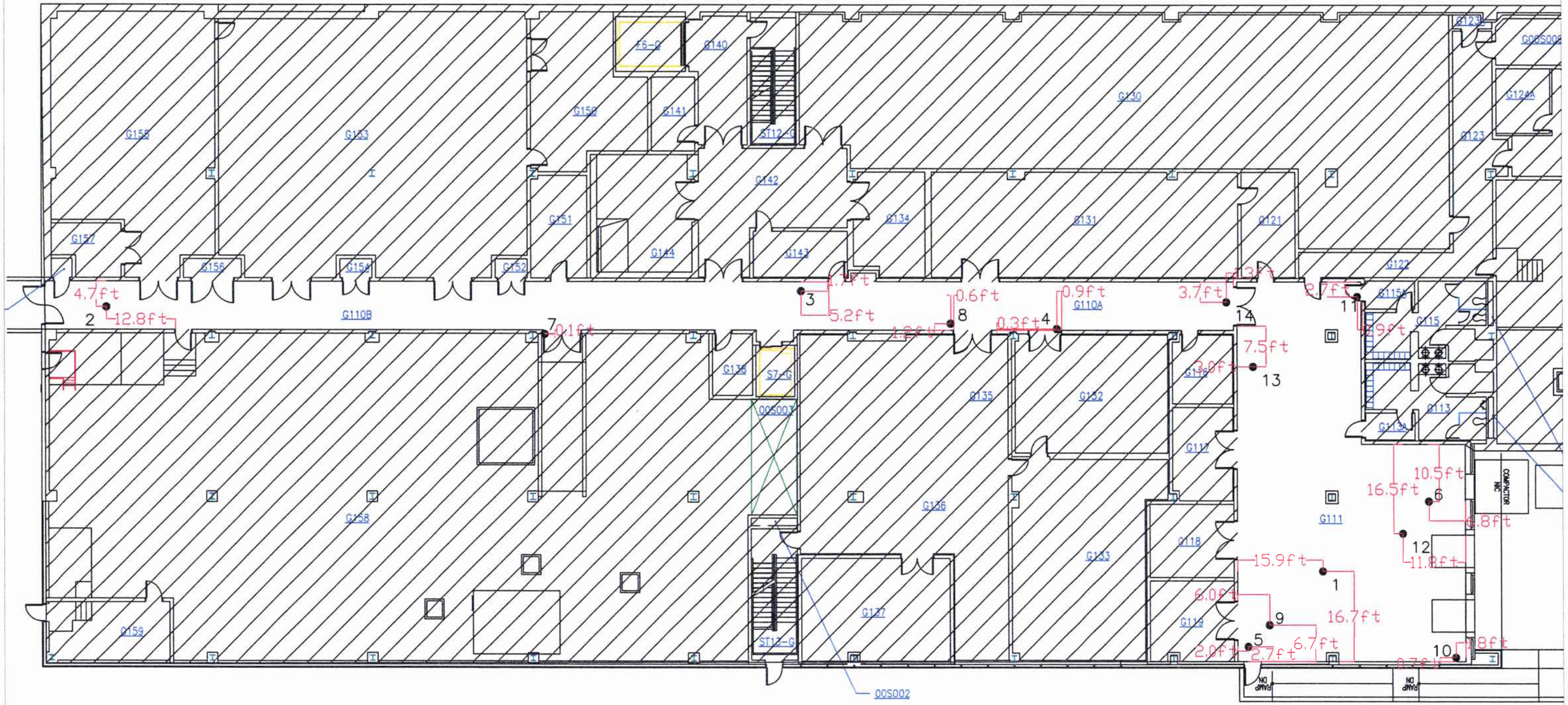
| Building: 520 | Survey Unit: G101 | Page: D.63 of D.65 |
|---|---|---|




● Sample Location

Pfizer Global Research and Development
Ann Arbor Facility Decommissioning
Final Status Report

| Building: 520 | Survey Unit: G301 | Page: D.64 of D.65 |
|---|---|---|




● Sample Location

| | | |
|---|---|---|
| Pfizer Global Research and Development<br>Ann Arbor Facility Decommissioning<br>Final Status Report | | |
| Building: 550 | Survey Unit: G301 | Page: D.65 of D.65 |

# Structural Surfaces Survey Results

## Building 014 Survey Unit 1201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 014-1201-F1-T-001 | 433 ± 403 | 527 | 33 ± 11 | 19 | 29 ± 11 | 20 |
| 014-1201-F1-T-002 | 220 ± 392 | 527 | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 014-1201-F1-T-003 | 310 ± 397 | 527 | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 014-1201-F1-T-004 | 523 ± 407 | 527 | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 014-1201-F1-T-005 | 407 ± 402 | 527 | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 014-1201-F1-T-006 | 213 ± 392 | 527 | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 014-1201-F1-T-007 | 187 ± 391 | 527 | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 014-1201-B1-M-008 | -26 ± 380 | 527 | 10 ± 6 | 19 | 11 ± 7 | 20 |
| 014-1201-F1-T-009 | 200 ± 391 | 527 | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 014-1201-F1-T-010 | 304 ± 396 | 527 | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 014-1201-F1-T-011 | 129 ± 388 | 527 | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 014-1201-F1-T-012 | 556 ± 409 | 527 | 12 ± 7 | 19 | 18 ± 8 | 20 |
| 014-1201-F1-T-013 | 472 ± 405 | 527 | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 014-1201-F1-T-014 | 349 ± 399 | 527 | 16 ± 8 | 19 | 26 ± 10 | 20 |
| Summary for Survey Unit # 1201 (14 detail records) | | | | | | |
| **Average** | 306 | | 17 | | 21 | |
| **Minimum** | -26 | | 10 | | 11 | |
| **Maximum** | 556 | | 33 | | 29 | |
| **Standard Deviation** | 164 | | 5 | | 5 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 014 Survey Unit 1301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 014-1301-F1-T-001 | 187 ± 385 | 519 | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 014-1301-F1-T-002 | **595** ± 405 | 519 | 17 ± 8 | 19 | 28 ± 10 | 20 |
| 014-1301-F1-T-003 | 297 ± 390 | 519 | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 014-1301-F1-T-004 | **653** ± 408 | 519 | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 014-1301-F1-R-005 | 491 ± 400 | 519 | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 014-1301-F1-R-006 | 439 ± 397 | 519 | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 014-1301-F1-B-007 | 207 ± 386 | 519 | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 014-1301-F1-T-008 | **2042** ± 470 | 519 | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 014-1301-F1-R-009 | 394 ± 395 | 519 | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 014-1301-F1-T-010 | 465 ± 399 | 519 | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 014-1301-F1-T-011 | 213 ± 386 | 519 | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 014-1301-F1-T-012 | 472 ± 399 | 519 | 17 ± 8 | 19 | 11 ± 7 | 20 |
| 014-1301-F1-T-013 | 220 ± 386 | 519 | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 014-1301-F1-R-014 | 381 ± 395 | 519 | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 014-1301-F1-T-015 | 278 ± 389 | 519 | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 014-1301-F1-T-016 | 368 ± 394 | 519 | 15 ± 8 | 19 | 13 ± 7 | 20 |
| Summary for Survey Unit # 1301 (16 detail records) | | | | | | |
| **Average** | 481 | | 17 | | 19 | |
| **Minimum** | 187 | | 14 | | 11 | |
| **Maximum** | 2042 | | 24 | | 28 | |
| **Standard Deviation** | 439 | | 3 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 014 Survey Unit G301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 014-G301-F1-T-001 | 52 ± 384 | 527 | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 014-G301-F1-R-002 | 39 ± 383 | 527 | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 014-G301-F1-R-003 | 265 ± 395 | 527 | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 014-G301-F1-T-004 | 291 ● 396 | 527 | 13 ± 7 | 19 | 14 ● 7 | 20 |
| 014-G301-F1-T-005 | 213 ± 392 | 527 | 11 ± 7 | 19 | 10 ± 6 | 20 |
| 014-G301-F1-R-006 | 556 ± 409 | 527 | 19 ± 9 | 19 | 27 ± 10 | 20 |
| 014-G301-F1-R-007 | 336 ± 398 | 527 | 24 ● 10 | 19 | 28 ± 10 | 20 |
| 014-G301-F1-T-008 | 336 ± 398 | 527 | 24 ± 10 | 19 | 29 ± 11 | 20 |
| 014-G301-F1-T-009 | 6 ± 381 | 527 | 17 ± 8 | 19 | 16 ● 8 | 20 |
| 014-G301-F1-R-010 | 149 ± 389 | 527 | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 014-G301-F1-T-011 | 187 ± 391 | 527 | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 014-G301-F1-T-012 | 259 ± 394 | 527 | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 014-G301-F1-T-013 | 52 ± 384 | 527 | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 014-G301-F1-R-014 | -26 ± 380 | 527 | 20 ± 9 | 19 | 22 ± 9 | 20 |
| Summary for Survey Unit # G301 (14 detail records) | | | | | | |
| **Average** | 194 | | 19 | | 21 | |
| **Minimum** | -26 | | 11 | | 10 | |
| **Maximum** | 556 | | 24 | | 29 | |
| **Standard Deviation** | 162 | | 5 | | 6 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 014 Survey Unit P301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 014-P301-F1-C-001 | **646** ± 438 | 563 | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 014-P301-F1-C-002 | 252 ± 420 | 563 | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 014-P301-F1-C-003 | **646** ± 438 | 563 | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 014-P301-F1-C-004 | **1079** ± 457 | 563 | 15 ± 8 | 19 | 10 ± 6 | 20 |
| 014-P301-F1-C-005 | 310 ± 423 | 563 | 17 ± 8 | 19 | 26 ± 10 | 20 |
| 014-P301-F1-C-006 | -142 ± 401 | 563 | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 014-P301-F1-C-007 | **1286** ± 466 | 563 | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 014-P301-F1-C-008 | **866** ± 448 | 563 | 29 ± 11 | 19 | 26 ± 10 | 20 |
| 014-P301-F1-C-009 | **666** ± 439 | 563 | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 014-P301-F1-B-010 | -52 ± 406 | 563 | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 014-P301-F1-C-011 | **608** ± 437 | 563 | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 014-P301-F1-C-012 | **1215** ± 463 | 563 | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 014-P301-F1-C-013 | **646** ± 438 | 563 | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 014-P301-F1-C-014 | **608** ± 437 | 563 | 20 ± 9 | 19 | 20 ± 9 | 20 |
| Summary for Survey Unit # P301 (14 detail records) | | | | | | |
| **Average** | 617 | | 20 | | 21 | |
| **Minimum** | -142 | | 15 | | 10 | |
| **Maximum** | 1286 | | 29 | | 26 | |
| **Standard Deviation** | 424 | | 4 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 014 Survey Unit R301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 014-R301-F1-D-001 | **781** ± 415 | 514 | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 014-R301-F1-D-002 | **1087** ± 432 | 514 | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 014-R301-F1-D-003 | **551** ± 402 | 514 | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 014-R301-F1-D-004 | **804** ± 416 | 514 | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 014-R301-F1-D-005 | **666** ± 408 | 514 | 27 ± 10 | 19 | 22 ● 9 | 20 |
| 014-R301-F1-E-006 | 130 ± 377 | 514 | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 014-R301-F1-D-007 | **612** ± 405 | 514 | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 014-R301-F1-D-008 | **934** ± 423 | 514 | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 014-R301-F1-D-009 | **834** ± 418 | 514 | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 014-R301-F1-D-010 | **872** ± 420 | 514 | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 014-R301-F1-D-011 | **543** ± 401 | 514 | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 014-R301-F1-D-012 | **781** ± 415 | 514 | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 014-R301-F1-D-013 | **857** ● 419 | 514 | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 014-R301-F1-D-014 | **643** ± 407 | 514 | 16 ± 8 | 19 | 16 ± 8 | 20 |
| Summary for Survey Unit # R301 (14 detail records) | | | | | | |
| **Average** | 721 | | 19 | | 20 | |
| **Minimum** | 130 | | 13 | | 14 | |
| **Maximum** | 1087 | | 27 | | 25 | |
| **Standard Deviation** | 228 | | 4 | | 3 | |
| Summary for Building # 014 (72 detail records) | | | | | | |
| **Avg** | 464 | | 18 | | 20 | |
| **Min** | -142 | | 10 | | 10 | |
| **Max** | 2042 | | 33 | | 29 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 020 Survey Unit 1201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-1201-F1-R-001 | 310 ± 384 | 509 | 12 ± 7 | 19 | 22 ± 9 | 20 |
| 020-1201-F1-R-002 | 349 ± 386 | 509 | 19 ± 9 | 19 | 26 ± 10 | 20 |
| 020-1201-F1-R-003 | 174 ± 377 | 509 | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 020-1201-F1-R-004 | 103 ± 373 | 509 | 10 ± 6 | 19 | 21 ± 9 | 20 |
| 020-1201-F1-T-005 | 407 ± 389 | 509 | 14 ± 7 | 19 | 23 ± 9 | 20 |
| 020-1201-B1-M-006 | 39 ± 370 | 509 | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 020-1201-F1-Z-007 | 136 ± 375 | 509 | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 020-1201-F1-T-008 | 381 ± 387 | 509 | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 020-1201-F1-T-009 | 498 ± 393 | 509 | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 020-1201-F1-T-010 | 388 ± 388 | 509 | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 020-1201-F1-T-011 | 149 ± 375 | 509 | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 020-1201-F1-T-012 | 401 ± 388 | 509 | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 020-1201-F1-T-013 | 110 ± 373 | 509 | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 020-1201-F1-T-014 | 433 ± 390 | 509 | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 020-1201-F1-T-015 | 220 ± 379 | 509 | 24 ± 10 | 19 | 31 ± 11 | 20 |
| 020-1201-F1-T-016 | 310 ± 384 | 509 | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 020-1201-F1-T-017 | 330 ± 385 | 509 | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 020-1201-F1-T-018 | 174 ± 377 | 509 | 13 ± 7 | 19 | 10 ± 6 | 20 |
| 020-1201-F1-T-019 | 181 ± 377 | 509 | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-1201-F1-T-020 | 207 ± 378 | 509 | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 020-1201-F1-T-021 | 504 ± 394 | 509 | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 020-1201-F1-T-022 | 220 ± 379 | 509 | 27 ± 10 | 19 | 25 ± 10 | 20 |
| 020-1201-F1-T-023 | 297 ± 383 | 509 | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 020-1201-F1-T-024 | 246 ± 380 | 509 | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 020-1201-F1-T-025 | 433 ± 390 | 509 | 17 ± 8 | 19 | 23 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

| | | | | | | |
|---|---|---|---|---|---|---|
| 020-1201-F1-T-026 | 439 ± 390 | 509 | 28 ± 10 | 19 | 27 ± 10 | 20 |
| 020-1201-F1-T-027 | 388 ± 388 | 509 | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 020-1201-F1-T-028 | 284 ± 382 | 509 | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 020-1201-F1-R-029 | 310 ± 384 | 509 | 15 ± 8 | 19 | 16 ± 8 | 20 |
| Summary for Survey Unit # 1201 (29 detail records) | | | | | | |
| **Average** | 290 | | 19 | | 20 | |
| **Minimum** | 39 | | 10 | | 10 | |
| **Maximum** | 504 | | 28 | | 31 | |
| **Standard Deviation** | 126 | | 4 | | 4 | |

## Building 020 Survey Unit 1301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-1301-F1-C-001 | **892** ± 411 | 507 | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 020-1301-F1-B-002 | 407 ± 387 | 507 | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 020-1301-F1-R-003 | 97 ± 371 | 507 | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 020-1301-F1-R-004 | 123 ± 373 | 507 | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 020-1301-F1-R-005 | 317 ± 383 | 507 | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 020-1301-F1-T-006 | 368 ± 385 | 507 | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 020-1301-F1-R-007 | 317 ± 383 | 507 | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 020-1301-F1-T-008 | **569** ± 395 | 507 | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 020-1301-F1-T-009 | 271 ± 380 | 507 | 12 ± 7 | 19 | 11 ± 7 | 20 |
| 020-1301-F1-B-010 | 362 ± 385 | 507 | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 020-1301-F1-T-011 | 207 ± 377 | 507 | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 020-1301-F1-C-012 | **1325** ± 432 | 507 | 17 ± 8 | 19 | 13 ± 7 | 20 |
| 020-1301-F1-T-013 | **692** ± 402 | 507 | 13 ± 7 | 19 | 21 ± 9 | 20 |
| 020-1301-F1-T-014 | 459 ± 390 | 507 | 13 ± 7 | 19 | 15 ± 8 | 20 |
| Summary for Survey Unit # 1301 (14 detail records) | | | | | | |
| **Average** | 457 | | 16 | | 17 | |
| **Minimum** | 97 | | 12 | | 11 | |
| **Maximum** | 1325 | | 23 | | 24 | |
| **Standard Deviation** | 329 | | 4 | | 3 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 020 Survey Unit 2201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-2201-F1-T-001 | 116 ± 379 | 516 | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 020-2201-F1-T-002 | 103 ± 378 | 516 | 33 ± 11 | 19 | 20 ± 9 | 20 |
| 020-2201-F1-T-003 | 136 ± 380 | 516 | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 020-2201-F1-T-004 | 155 ± 381 | 516 | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 020-2201-F1-T-005 | 420 ± 395 | 516 | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 020-2201-F1-T-006 | 452 ± 396 | 516 | 23 ± 9 | 19 | 17 ± 8 | 20 |
| 020-2201-F1-T-007 | **517** ± 399 | 516 | 28 ± 10 | 19 | 16 ± 8 | 20 |
| 020-2201-F1-T-008 | 181 ± 382 | 516 | 36 ± 12 | 19 | 26 ± 10 | 20 |
| 020-2201-F1-T-009 | 297 ± 388 | 516 | 33 ± 11 | 19 | 26 ± 10 | 20 |
| 020-2201-F1-T-010 | 414 ± 394 | 516 | 29 ± 11 | 19 | 28 ± 10 | 20 |
| 020-2201-F1-T-011 | 103 ± 378 | 516 | 31 ± 11 | 19 | 29 ± 11 | 20 |
| 020-2201-F1-T-012 | 304 ± 389 | 516 | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 020-2201-F1-T-013 | 291 ± 388 | 516 | 30 ± 11 | 19 | 26 ± 10 | 20 |
| 020-2201-F1-T-014 | 259 ± 386 | 516 | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 020-2201-F1-T-015 | 291 ± 388 | 516 | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 020-2201-F1-T-016 | 271 ± 387 | 516 | 26 ± 10 | 19 | 19 ± 9 | 20 |
| 020-2201-F1-T-017 | 439 ± 395 | 516 | 23 ± 9 | 19 | 30 ± 11 | 20 |
| 020-2201-F1-T-018 | 478 ± 397 | 516 | 22 ± 9 | 19 | 16 ± 8 | 20 |
| 020-2201-F1-T-019 | 407 ± 394 | 516 | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 020-2201-F1-T-020 | 336 ± 390 | 516 | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 020-2201-F1-T-021 | **653** ± 406 | 516 | 29 ± 11 | 19 | 21 ± 9 | 20 |
| 020-2201-F1-T-022 | 162 ± 381 | 516 | 28 ± 10 | 19 | 23 ± 9 | 20 |
| 020-2201-F1-T-023 | **530** ± 400 | 516 | 26 ± 10 | 19 | 30 ± 11 | 20 |
| 020-2201-F1-T-024 | 439 ± 395 | 516 | 30 ± 11 | 19 | 21 ± 9 | 20 |
| 020-2201-F1-T-025 | **608** ± 404 | 516 | 20 ± 9 | 19 | 19 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

| | | | | | | |
|---|---|---|---|---|---|---|
| 020-2201-F1-R-026 | 355 ± 391 | 516 | 16 ± 8 | 19 | 13 ± 7 | 20 |
| 020-2201-F1-R-027 | 78 ± 377 | 516 | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 020-2201-F1-T-028 | 433 ± 395 | 516 | 25 ± 10 | 19 | 24 ± 10 | 20 |
| Summary for Survey Unit # 2201 (28 detail records) | | | | | | |
| **Average** | 330 | | 25 | | 22 | |
| **Minimum** | 78 | | 16 | | 13 | |
| **Maximum** | 653 | | 36 | | 30 | |
| **Standard Deviation** | 160 | | 5 | | 5 | |

## Building 020 Survey Unit 2301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-2301-F1-T-001 | -26 ± 370 | 513 | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 020-2301-F1-C-002 | **608** ± 402 | 513 | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 020-2301-F1-T-003 | 90 ± 376 | 513 | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-2301-F1-R-004 | 71 ± 375 | 513 | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 020-2301-F1-T-005 | 78 ± 375 | 513 | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 020-2301-F1-T-006 | 13 ± 372 | 513 | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 020-2301-F1-T-007 | 478 ± 395 | 513 | 21 ± 9 | 19 | 13 ± 7 | 20 |
| 020-2301-F1-T-008 | 259 ± 384 | 513 | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 020-2301-F1-T-009 | -13 ± 370 | 513 | 24 ± 10 | 19 | 16 ± 8 | 20 |
| 020-2301-F1-T-010 | 207 ± 382 | 513 | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 020-2301-F1-C-011 | 213 ± 382 | 513 | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 020-2301-F1-R-012 | -116 ± 365 | 513 | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 020-2301-F1-R-013 | -90 ± 366 | 513 | 28 ± 10 | 19 | 23 ± 9 | 20 |
| 020-2301-F1-T-014 | 213 ± 382 | 513 | 17 ± 8 | 19 | 12 ± 7 | 20 |
| 020-2301-F1-C-015 | **640** ± 403 | 513 | 22 ± 9 | 19 | 19 ± 9 | 20 |
| Summary for Survey Unit # 2301 (15 detail records) | | | | | | |
| **Average** | 175 | | 20 | | 19 | |
| **Minimum** | -116 | | 12 | | 12 | |
| **Maximum** | 640 | | 28 | | 24 | |
| **Standard Deviation** | 238 | | 4 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 020 Survey Unit 3201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-3201-F1-T-001 | 446 ± 404 | 528 | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 020-3201-F1-T-002 | 414 ± 403 | 528 | 22 ± 9 | 19 | 12 ± 7 | 20 |
| 020-3201-F1-T-003 | 317 ± 398 | 528 | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 020-3201-F1-T-004 | 297 ± 397 | 528 | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 020-3201-F1-T-005 | 136 ± 389 | 528 | 27 ± 10 | 19 | 19 ± 9 | 20 |
| 020-3201-F1-T-006 | 381 ± 401 | 528 | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 020-3201-F1-T-007 | 103 ± 387 | 528 | 22 ± 9 | 19 | 15 ± 8 | 20 |
| 020-3201-F1-T-008 | 394 ± 402 | 528 | 39 ± 12 | 19 | 19 ± 9 | 20 |
| 020-3201-F1-T-009 | 78 ± 386 | 528 | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 020-3201-F1-T-010 | 517 ± 408 | 528 | 25 ± 10 | 19 | 24 ± 10 | 20 |
| 020-3201-F1-T-011 | 349 ± 399 | 528 | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 020-3201-F1-T-012 | 265 ± 395 | 528 | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 020-3201-F1-Z-013 | 13 ± 382 | 528 | 24 ● 10 | 19 | 22 ± 9 | 20 |
| 020-3201-F1-T-014 | 517 ± 408 | 528 | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 020-3201-F1-T-015 | 129 ± 388 | 528 | 28 ± 10 | 19 | 19 ± 9 | 20 |
| 020-3201-F1-T-016 | 187 ± 391 | 528 | 34 ± 11 | 19 | 26 ± 10 | 20 |
| 020-3201-F1-T-017 | 284 ± 396 | 528 | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 020-3201-F1-T-018 | **1021** ± 431 | 528 | 29 ± 11 | 19 | 17 ± 8 | 20 |
| 020-3201-F1-T-019 | 420 ± 403 | 528 | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 020-3201-F1-T-020 | **562** ± 410 | 528 | 29 ± 11 | 19 | 28 ± 10 | 20 |
| 020-3201-F1-T-021 | **614** ± 412 | 528 | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 020-3201-F1-T-022 | 388 ± 401 | 528 | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 020-3201-F1-T-023 | 433 ± 403 | 528 | 25 ± 10 | 19 | 20 ± 9 | 20 |
| 020-3201-F1-T-024 | 239 ± 394 | 528 | 28 ± 10 | 19 | 29 ± 11 | 20 |
| 020-3201-F1-T-025 | 310 ± 397 | 528 | 24 ± 10 | 19 | 14 ± 7 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

| | | | | | | |
|---|---|---|---|---|---|---|
| 020-3201-F1-T-026 | 420 ± 403 | 528 | 25 ± 10 | 19 | 20 ● 9 | 20 |
| 020-3201-F1-T-027 | **704** ± 417 | 528 | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 020-3201-F1-T-028 | 478 ± 406 | 528 | 24 ± 10 | 19 | 18 ± 8 | 20 |
| 020-3201-F1-T-029 | 478 ± 406 | 528 | 24 ± 10 | 19 | 27 ± 10 | 20 |
| Summary for Survey Unit # 3201 (29 detail records) | | | | | | |
| **Average** | 376 | | 24 | | 20 | |
| **Minimum** | 13 | | 19 | | 12 | |
| **Maximum** | 1021 | | 39 | | 29 | |
| **Standard Deviation** | 206 | | 4 | | 4 | |

## Building 020 Survey Unit 3301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-3301-F1-T-001 | **620** ± 408 | 521 | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 020-3301-F1-C-002 | **1209** ± 435 | 521 | 27 ± 10 | 19 | 28 ± 10 | 20 |
| 020-3301-F1-T-003 | **543** ● 404 | 521 | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 020-3301-F1-T-004 | 317 ± 393 | 521 | 28 ± 10 | 19 | 18 ± 8 | 20 |
| 020-3301-F1-T-005 | 368 ± 395 | 521 | 25 ± 10 | 19 | 18 ± 8 | 20 |
| 020-3301-F1-T-006 | 336 ± 394 | 521 | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 020-3301-F1-T-007 | **646** ± 409 | 521 | 26 ± 10 | 19 | 19 ± 9 | 20 |
| 020-3301-F1-T-008 | **601** ± 407 | 521 | 27 ± 10 | 19 | 23 ± 9 | 20 |
| 020-3301-F1-C-009 | **1331** ± 441 | 521 | 27 ± 10 | 19 | 15 ± 8 | 20 |
| 020-3301-F1-R-010 | 162 ± 385 | 521 | 22 ± 9 | 19 | 16 ± 8 | 20 |
| 020-3301-F1-T-011 | 388 ± 396 | 521 | 17 ± 8 | 19 | 20 ● 9 | 20 |
| 020-3301-F1-R-012 | 233 ± 388 | 521 | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 020-3301-F1-R-013 | 427 ± 398 | 521 | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-3301-F1-R-014 | 39 ± 378 | 521 | 27 ± 10 | 19 | 23 ± 9 | 20 |
| Summary for Survey Unit # 3301 (14 detail records) | | | | | | |
| **Average** | 516 | | 24 | | 20 | |
| **Minimum** | 39 | | 17 | | 15 | |
| **Maximum** | 1331 | | 28 | | 28 | |
| **Standard Deviation** | 365 | | 3 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 020 Survey Unit G201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-G201-F1-A-001 | 58 ± 407 | 557 | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 020-G201-F1-R-002 | 259 ± 416 | 557 | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 020-G201-F1-A-003 | 362 ± 421 | 557 | 23 ± 9 | 19 | 16 ± 8 | 20 |
| 020-G201-F1-R-004 | 6 ± 404 | 557 | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 020-G201-F1-R-005 | -45 ± 402 | 557 | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-G201-F1-A-006 | 498 ± 427 | 557 | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 020-G201-F1-R-007 | 58 ± 407 | 557 | 16 ± 8 | 19 | 12 ± 7 | 20 |
| 020-G201-F1-H-008 | 110 ± 409 | 557 | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 020-G201-F1-E-009 | -200 ± 394 | 557 | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 020-G201-F1-H-010 | 13 ± 404 | 557 | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 020-G201-F1-T-011 | 291 ± 418 | 557 | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 020-G201-F1-H-012 | 485 ± 427 | 557 | 31 ± 11 | 19 | 24 ± 10 | 20 |
| 020-G201-F1-H-013 | **834** ± 443 | 557 | 25 ± 10 | 19 | 31 ± 11 | 20 |
| 020-G201-F1-H-014 | **872** ± 444 | 557 | 19 ± 9 | 19 | 14 ± 7 | 20 |
| Summary for Survey Unit # G201 (14 detail records) | | | | | | |
| **Average** | 257 | | 20 | | 19 | |
| **Minimum** | -200 | | 16 | | 12 | |
| **Maximum** | 872 | | 31 | | 31 | |
| **Standard Deviation** | 323 | | 4 | | 5 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 020 Survey Unit G301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-G301-F1-R-001 | -6 ± 410 | 566 | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 020-G301-F1-R-002 | -168 ± 403 | 566 | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-G301-B1-B-003 | -226 ± 400 | 566 | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 020-G301-F1-T-004 | -45 ± 408 | 566 | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 020-G301-F1-C-005 | **937** ± 453 | 566 | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 020-G301-F1-R-006 | -97 ± 406 | 566 | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 020-G301-F1-T-007 | 343 ± 427 | 566 | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 020-G301-F1-A-008 | 543 ± 436 | 566 | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 020-G301-F1-T-009 | 65 ± 414 | 566 | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 020-G301-F1-C-010 | **633** ± 440 | 566 | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 020-G301-F1-C-011 | **724** ± 444 | 566 | 26 ± 10 | 19 | 18 ± 8 | 20 |
| 020-G301-F1-C-012 | 498 ± 434 | 566 | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 020-G301-F1-H-013 | -32 ± 409 | 566 | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 020-G301-F1-T-014 | -71 ± 407 | 566 | 19 ± 9 | 19 | 15 ± 8 | 20 |
| Summary for Survey Unit # G301 (14 detail records) | | | | | | |
| **Average** | 221 | | 20 | | 20 | |
| **Minimum** | -226 | | 14 | | 15 | |
| **Maximum** | 937 | | 26 | | 25 | |
| **Standard Deviation** | 380 | | 3 | | 3 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 020 Survey Unit P301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-P301-F1-A-001 | **1186** ± 463 | 555 | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 020-P301-F1-A-002 | **926** ± 450 | 555 | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 020-P301-F1-A-003 | **1247** ± 466 | 555 | 28 ± 10 | 19 | 29 ± 11 | 20 |
| 020-P301-F1-A-004 | **1270** ± 468 | 555 | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 020-P301-F1-A-005 | **865** ± 447 | 555 | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-P301-F1-A-006 | **1049** ± 456 | 555 | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 020-P301-F1-A-007 | **1194** ± 464 | 555 | 11 ± 7 | 19 | 19 ± 9 | 20 |
| 020-P301-F1-A-008 | **957** ± 452 | 555 | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 020-P301-F1-A-009 | **926** ± 450 | 555 | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 020-P301-F1-A-010 | **712** ± 439 | 555 | 15 ± 8 | 19 | 23 ± 9 | 20 |
| 020-P301-F1-A-011 | **1125** ± 460 | 555 | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 020-P301-F1-A-012 | **796** ± 443 | 555 | 22 ± 9 | 19 | 27 ± 10 | 20 |
| 020-P301-F1-A-013 | **1324** ± 470 | 555 | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 020-P301-F1-A-014 | **895** ± 448 | 555 | 15 ± 8 | 19 | 16 ± 8 | 20 |
| Summary for Survey Unit # P301 (14 detail records) | | | | | | |
| **Average** | 1034 | | 18 | | 21 | |
| **Minimum** | 712 | | 11 | | 15 | |
| **Maximum** | 1324 | | 28 | | 29 | |
| **Standard Deviation** | 192 | | 5 | | 5 | |
| Summary for Building # 020 (171 detail records) | | | | | | |
| **Avg** | 386 | | 21 | | 20 | |
| **Min** | -226 | | 10 | | 10 | |
| **Max** | 1331 | | 39 | | 31 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 023 Survey Unit G201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 023-G201-F1-C-001 | **885** ± 447 | 560 | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 023-G201-F1-C-002 | **711** ± 439 | 560 | 22 ± 9 | 19 | 35 ± 12 | 20 |
| 023-G201-F1-C-003 | **685** ± 438 | 560 | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 023-G201-F1-C-004 | **640** ± 436 | 560 | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 023-G201-F1-C-005 | **646** ± 436 | 560 | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 023-G201-F1-C-006 | **788** ± 442 | 560 | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 023-G201-F1-H-007 | -149 ± 398 | 560 | 11 ± 7 | 19 | 13 ± 7 | 20 |
| 023-G201-F1-H-008 | -162 ± 398 | 560 | 17 ± 8 | 19 | 31 ± 11 | 20 |
| 023-G201-F1-H-009 | -246 ± 394 | 560 | 18 ± 8 | 19 | 27 ± 10 | 20 |
| 023-G201-F1-H-010 | -149 ± 398 | 560 | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 023-G201-F1-H-011 | -97 ± 401 | 560 | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 023-G201-F1-H-012 | -129 ± 399 | 560 | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 023-G201-F1-H-013 | -13 ± 405 | 560 | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 023-G201-F1-H-014 | -149 ± 398 | 560 | 17 ± 8 | 19 | 22 ± 9 | 20 |

Summary for Survey Unit # G201 (14 detail records)

| | | | |
|---|---|---|---|
| **Average** | 233 | 18 | 22 |
| **Minimum** | -246 | 11 | 13 |
| **Maximum** | 885 | 24 | 35 |
| **Standard Deviation** | 449 | 4 | 6 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 023 Survey Unit G301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 023-G301-F1-R-001 | 45 ± 394 | 541 | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 023-G301-F1-H-002 | 472 ± 415 | 541 | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 023-G301-F1-R-003 | 78 ± 395 | 541 | 7 ± 5 | 19 | 14 ± 7 | 20 |
| 023-G301-F1-H-004 | 65 ± 395 | 541 | 20 ± 9 | 19 | 12 ± 7 | 20 |
| 023-G301-F1-H-005 | 78 ± 395 | 541 | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 023-G301-F1-R-006 | 317 ± 407 | 541 | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 023-G301-F1-H-007 | 252 ± 404 | 541 | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 023-G301-F1-H-008 | **582** ± 420 | 541 | 18 ± 8 | 19 | 27 ± 10 | 20 |
| 023-G301-F1-H-009 | -168 ± 383 | 541 | 25 ● 10 | 19 | 30 ± 11 | 20 |
| 023-G301-F1-H-010 | 110 ± 397 | 541 | 12 ± 7 | 19 | 22 ± 9 | 20 |
| 023-G301-F1-H-011 | 97 ± 396 | 541 | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 023-G301-F1-H-012 | 123 ± 398 | 541 | 17 ± 8 | 19 | 27 ± 10 | 20 |
| 023-G301-F1-H-013 | 187 ± 401 | 541 | 15 ± 8 | 19 | 21 ● 9 | 20 |
| 023-G301-F1-R-014 | 181 ± 401 | 541 | 16 ± 8 | 19 | 17 ± 8 | 20 |
| Summary for Survey Unit # G301 (14 detail records) | | | | | | |
| **Average** | 173 | | 17 | | 20 | |
| **Minimum** | -168 | | 7 | | 12 | |
| **Maximum** | 582 | | 25 | | 30 | |
| **Standard Deviation** | 188 | | 5 | | 5 | |
| Summary for Building # 023 (28 detail records) | | | | | | |
| **Avg** | 203 | | 17 | | 21 | |
| **Min** | -246 | | 7 | | 12 | |
| **Max** | 885 | | 25 | | 35 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 025 Survey Unit 1101 Class 1

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-1101-S2-W-001 | 431 ± 476 | 628 | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 025-1101-F1-T-002 | 414 ± 476 | 628 | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 025-1101-F1-T-003 | 532 ± 482 | 628 | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 025-1101-S2-W-004 | 110 ± 459 | 628 | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 025-1101-S2-W-005 | 237 ± 466 | 628 | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 025-1101-F1-C-006 | **904** ± 501 | 628 | 27 ± 10 | 19 | 26 ± 10 | 20 |
| 025-1101-F1-T-007 | 270 ± 468 | 628 | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 025-1101-S2-W-008 | 347 ± 472 | 628 | 26 ± 10 | 19 | 20 ± 9 | 20 |
| 025-1101-S2-W-009 | 516 ± 481 | 628 | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 025-1101-F1-T-010 | 237 ± 466 | 628 | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 025-1101-F1-T-011 | **659** ± 489 | 628 | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 025-1101-S2-G-012 | 423 ± 476 | 628 | 10 ± 6 | 19 | 16 ± 8 | 20 |
| 025-1101-S2-W-013 | 127 ± 460 | 628 | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 025-1101-S2-W-014 | 414 ± 476 | 628 | 13 ± 7 | 19 | 13 ± 7 | 20 |
| 025-1101-S2-W-015 | 575 ± 484 | 628 | 21 ± 9 | 19 | 25 ± 10 | 20 |
| Summary for Survey Unit # 1101 (15 detail records) | | | | | | |
| **Average** | 413 | | 20 | | 20 | |
| **Minimum** | 110 | | 10 | | 13 | |
| **Maximum** | 904 | | 27 | | 26 | |
| **Standard Deviation** | 209 | | 5 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 025 Survey Unit 1201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-1201-B1-M-001 | 360 ± 405 | 534 | 19 ± 9 | 19 | 29 ± 11 | 20 |
| 025-1201-F1-T-002 | 413 ± 408 | 534 | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 025-1201-B1-M-003 | 130 ± 391 | 534 | 30 ± 11 | 19 | 44 ± 13 | 20 |
| 025-1201-B1-M-004 | 122 ± 391 | 534 | 19 ± 9 | 19 | 28 ● 10 | 20 |
| 025-1201-F1-T-005 | 413 ● 408 | 534 | 25 ± 10 | 19 | 27 ± 10 | 20 |
| 025-1201-B1-M-006 | 161 ± 393 | 534 | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 025-1201-F1-T-007 | 276 ± 400 | 534 | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 025-1201-F1-B-008 | **673** ± 423 | 534 | 18 ● 8 | 19 | 22 ± 9 | 20 |
| 025-1201-F1-A-009 | 222 ± 397 | 534 | 17 ± 8 | 19 | 29 ± 11 | 20 |
| 025-1201-F1-T-010 | 344 ± 404 | 534 | 18 ● 8 | 19 | 20 ± 9 | 20 |
| 025-1201-F1-T-011 | 344 ± 404 | 534 | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 025-1201-F1-T-012 | 444 ± 410 | 534 | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 025-1201-F1-A-013 | **543** ± 415 | 534 | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 025-1201-F1-A-014 | 314 ± 402 | 534 | 18 ± 8 | 19 | 15 ± 8 | 20 |
| Summary for Survey Unit # 1201 (14 detail records) | | | | | | |
| **Average** | 340 | | 19 | | 24 | |
| **Minimum** | 122 | | 13 | | 15 | |
| **Maximum** | 673 | | 30 | | 44 | |
| **Standard Deviation** | 156 | | 4 | | 8 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 025 Survey Unit 1301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-1301-F1-T-001 | 482 ± 412 | 534 | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 025-1301-F1-P-002 | **1531** ± 468 | 534 | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 025-1301-F1-T-003 | **589** ± 418 | 534 | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 025-1301-F1-T-004 | **551** ± 416 | 534 | 23 ± 9 | 19 | 28 ± 10 | 20 |
| 025-1301-F1-P-005 | **1768** ± 479 | 534 | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 025-1301-F1-T-006 | 497 ± 413 | 534 | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 025-1301-F1-P-007 | **1600** ± 471 | 534 | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 025-1301-S2-B-008 | 429 ± 409 | 534 | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 025-1301-F1-T-009 | **559** ± 416 | 534 | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 025-1301-F1-T-010 | 475 ± 411 | 534 | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 025-1301-F1-T-011 | 398 ± 407 | 534 | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 025-1301-F1-T-012 | 398 ± 407 | 534 | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 025-1301-F1-T-013 | 520 ± 414 | 534 | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 025-1301-F1-T-014 | **574** ± 417 | 534 | 14 ± 7 | 19 | 23 ± 9 | 20 |
| Summary for Survey Unit # 1301 (14 detail records) | | | | | | |
| **Average** | 741 | | 17 | | 20 | |
| **Minimum** | 398 | | 13 | | 14 | |
| **Maximum** | 1768 | | 23 | | 28 | |
| **Standard Deviation** | 489 | | 3 | | 3 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 025 Survey Unit 2201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-2201-F1-T-001 | **517** ± 337 | 424 | 25 ± 10 | 19 | 17 ± 8 | 20 |
| 025-2201-F1-T-002 | 418 ± 331 | 424 | 24 ± 10 | 19 | 35 ± 12 | 20 |
| 025-2201-F1-T-003 | 312 ± 324 | 424 | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 025-2201-F1-P-004 | **1361** ± 387 | 424 | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 025-2201-F1-T-005 | **503** ± 336 | 424 | 85 ± 18 | 19 | 45 ± 13 | 20 |
| 025-2201-F1-T-006 | **439** ± 332 | 424 | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 025-2201-F1-T-007 | **454** ± 333 | 424 | 33 ± 11 | 19 | 26 ± 10 | 20 |
| 025-2201-F1-T-008 | **446** ± 332 | 424 | 27 ± 10 | 19 | 19 ● 9 | 20 |
| 025-2201-F1-T-009 | **468** ± 334 | 424 | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 025-2201-F1-T-010 | **616** ± 343 | 424 | 34 ± 11 | 19 | 17 ± 8 | 20 |
| 025-2201-F1-T-011 | **524** ± 338 | 424 | 27 ± 10 | 19 | 29 ± 11 | 20 |
| 025-2201-F1-A-012 | **808** ± 355 | 424 | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 025-2201-F1-A-013 | 376 ± 328 | 424 | 26 ± 10 | 19 | 25 ± 10 | 20 |
| 025-2201-F1-A-014 | **737** ± 351 | 424 | 30 ● 11 | 19 | 15 ± 8 | 20 |
| 025-2201-F1-A-015 | **439** ± 332 | 424 | 33 ± 11 | 19 | 27 ± 10 | 20 |

Summary for Survey Unit # 2201 (15 detail records)

| | | | |
|---|---|---|---|
| **Average** | 561 | 30 | 24 |
| **Minimum** | 312 | 16 | 15 |
| **Maximum** | 1361 | 85 | 45 |
| **Standard Deviation** | 256 | 16 | 8 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 025 Survey Unit 2301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-2301-F1-R-001 | 354 ± 346 | 451 | 34 ± 11 | 19 | 21 ± 9 | 20 |
| 025-2301-F1-T-002 | **454** ± 352 | 451 | 28 ± 10 | 19 | 26 ± 10 | 20 |
| 025-2301-F1-R-003 | 163 ± 333 | 451 | 29 ± 11 | 19 | 19 ± 9 | 20 |
| 025-2301-F1-T-004 | **758** ± 370 | 451 | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 025-2301-F1-T-005 | 439 ± 351 | 451 | 27 ± 10 | 19 | 24 ± 10 | 20 |
| 025-2301-F1-T-006 | 354 ± 346 | 451 | 27 ± 10 | 19 | 17 ± 8 | 20 |
| 025-2301-F1-R-007 | 213 ± 337 | 451 | 27 ± 10 | 19 | 17 ± 8 | 20 |
| 025-2301-F1-T-008 | 319 ± 343 | 451 | 27 ± 10 | 19 | 20 ± 9 | 20 |
| 025-2301-F1-T-009 | 390 ± 348 | 451 | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 025-2301-F1-T-010 | **510** ± 355 | 451 | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 025-2301-F1-T-011 | **560** ± 358 | 451 | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 025-2301-F1-R-012 | **454** ± 352 | 451 | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 025-2301-F1-T-013 | 305 ± 342 | 451 | 26 ± 10 | 19 | 18 ± 8 | 20 |
| Summary for Survey Unit # 2301 (13 detail records) | | | | | | |
| **Average** | 406 | | 26 | | 20 | |
| **Minimum** | 163 | | 18 | | 17 | |
| **Maximum** | 758 | | 34 | | 26 | |
| **Standard Deviation** | 154 | | 4 | | 3 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 025 Survey Unit 3201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-3201-F1-T-001 | 0 ± 409 | 564 | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 025-3201-F1-T-002 | -26 ± 408 | 564 | 28 ± 10 | 19 | 24 ± 10 | 20 |
| 025-3201-F1-T-003 | 239 ± 420 | 564 | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 025-3201-F1-T-004 | 213 ± 419 | 564 | 14 ± 7 | 19 | 9 ± 6 | 20 |
| 025-3201-F1-T-005 | 84 ± 413 | 564 | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 025-3201-F1-T-006 | -39 ± 407 | 564 | 27 ± 10 | 19 | 21 ± 9 | 20 |
| 025-3201-F1-T-007 | -13 ± 408 | 564 | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 025-3201-F1-T-008 | -58 ± 406 | 564 | 27 ± 10 | 19 | 23 ± 9 | 20 |
| 025-3201-F1-T-009 | -71 ± 405 | 564 | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 025-3201-F1-A-010 | -13 ± 408 | 564 | 25 ± 10 | 19 | 27 ± 10 | 20 |
| 025-3201-F1-A-011 | 149 ± 416 | 564 | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 025-3201-F1-A-012 | 265 ± 421 | 564 | 25 ± 10 | 19 | 27 ± 10 | 20 |
| 025-3201-F1-T-013 | 149 ± 416 | 564 | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 025-3201-F1-T-014 | 187 ± 418 | 564 | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 025-3201-F1-T-015 | 207 ± 419 | 564 | 14 ± 7 | 19 | 14 ± 7 | 20 |
| Summary for Survey Unit # 3201 (15 detail records) | | | | | | |
| **Average** | 85 | | 22 | | 21 | |
| **Minimum** | -71 | | 14 | | 9 | |
| **Maximum** | 265 | | 28 | | 27 | |
| **Standard Deviation** | 121 | | 5 | | 5 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 025 Survey Unit 3301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-3301-F1-T-001 | -233 ± 400 | 567 | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 025-3301-F1-T-002 | 194 ± 420 | 567 | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 025-3301-F1-T-003 | 452 ± 432 | 567 | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 025-3301-F1-T-004 | 187 ± 420 | 567 | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 025-3301-F1-T-005 | 162 ± 419 | 567 | 23 ± 9 | 19 | 11 ± 7 | 20 |
| 025-3301-F1-R-006 | -26 ± 410 | 567 | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 025-3301-F1-T-007 | 310 ± 426 | 567 | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 025-3301-F1-R-008 | -187 ± 402 | 567 | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 025-3301-F1-R-009 | -26 ± 410 | 567 | 23 ± 9 | 19 | 17 ± 8 | 20 |
| 025-3301-F1-T-010 | 0 ± 411 | 567 | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 025-3301-F1-R-011 | 162 ± 419 | 567 | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 025-3301-F1-T-012 | 317 ± 426 | 567 | 21 ± 9 | 19 | 12 ± 7 | 20 |
| 025-3301-F1-R-013 | 39 ± 413 | 567 | 29 ± 11 | 19 | 22 ± 9 | 20 |
| 025-3301-F1-T-014 | 129 ± 417 | 567 | 14 ± 7 | 19 | 18 ± 8 | 20 |
| Summary for Survey Unit # 3301 (14 detail records) | | | | | | |
| **Average** | 106 | | 22 | | 19 | |
| **Minimum** | -233 | | 14 | | 11 | |
| **Maximum** | 452 | | 29 | | 24 | |
| **Standard Deviation** | 192 | | 4 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 025 Survey Unit G201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-G201-F1-C-001 | **765** ± 433 | 541 | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 025-G201-F1-A-002 | 260 ± 404 | 541 | 10 ± 6 | 19 | 21 ± 9 | 20 |
| 025-G201-F1-A-003 | 329 ± 408 | 541 | 19 ± 9 | 19 | 28 ± 10 | 20 |
| 025-G201-F1-A-004 | 344 ± 409 | 541 | 13 ± 7 | 19 | 8 ± 6 | 20 |
| 025-G201-B1-M-005 | 314 ± 408 | 541 | 11 ± 7 | 19 | 12 ± 7 | 20 |
| 025-G201-F1-C-006 | **811** ± 435 | 541 | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 025-G201-F1-A-007 | 344 ± 409 | 541 | 26 ± 10 | 19 | 16 ± 8 | 20 |
| 025-G201-F1-A-008 | **666** ± 427 | 541 | 24 ± 10 | 19 | 32 ± 11 | 20 |
| 025-G201-F1-A-009 | 184 ± 400 | 541 | 20 ± 9 | 19 | 30 ± 11 | 20 |
| 025-G201-F1-T-010 | 497 ± 418 | 541 | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 025-G201-F1-C-011 | **788** ± 434 | 541 | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 025-G201-F1-A-012 | 429 ± 414 | 541 | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 025-G201-F1-A-013 | 321 ± 408 | 541 | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 025-G201-F1-A-014 | 0 ± 389 | 541 | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 025-G201-F1-A-015 | **543** ± 421 | 541 | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 025-G201-F1-T-016 | 444 ± 415 | 541 | 16 ± 8 | 19 | 26 ± 10 | 20 |
| 025-G201-F1-C-017 | 237 ± 403 | 541 | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 025-G201-F1-A-018 | 360 ± 410 | 541 | 19 ± 9 | 19 | 24 ± 10 | 20 |
| Summary for Survey Unit # G201 (18 detail records) | | | | | | |
| **Average** | 424 | | 19 | | 22 | |
| **Minimum** | 0 | | 10 | | 8 | |
| **Maximum** | 811 | | 26 | | 32 | |
| **Standard Deviation** | 220 | | 4 | | 6 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 025 Survey Unit G301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-G301-F1-R-001 | **758** ± 423 | 528 | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 025-G301-F1-T-002 | 436 ± 405 | 528 | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 025-G301-F1-C-003 | **972** ± 435 | 528 | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 025-G301-F1-R-004 | 505 ± 409 | 528 | 12 ± 7 | 19 | 22 ± 9 | 20 |
| 025-G301-F1-T-005 | 329 ± 399 | 528 | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 025-G301-F1-T-006 | **689** ± 419 | 528 | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 025-G301-F1-C-007 | **719** ± 421 | 528 | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 025-G301-F1-A-008 | **574** ± 413 | 528 | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 025-G301-F1-R-009 | 513 ± 409 | 528 | 19 ± 9 | 19 | 29 ± 11 | 20 |
| 025-G301-F1-P-010 | **1577** ± 466 | 528 | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 025-G301-F1-A-011 | **566** ± 412 | 528 | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 025-G301-F1-C-012 | **934** ± 433 | 528 | 9 ± 6 | 19 | 18 ± 8 | 20 |
| 025-G301-F1-T-013 | 283 ± 396 | 528 | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 025-G301-F1-A-014 | 444 ± 405 | 528 | 22 ± 9 | 19 | 16 ± 8 | 20 |
| Summary for Survey Unit # G301 (14 detail records) | | | | | | |
| **Average** | 664 | | 20 | | 21 | |
| **Minimum** | 283 | | 9 | | 16 | |
| **Maximum** | 1577 | | 25 | | 29 | |
| **Standard Deviation** | 332 | | 5 | | 3 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 025 Survey Unit P201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-P201-F1-C-001 | 103 ± 392 | 535 | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 025-P201-F1-C-002 | **963** ± 433 | 535 | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 025-P201-F1-C-003 | **989** ± 434 | 535 | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 025-P201-F1-C-004 | **1105** ± 440 | 535 | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 025-P201-F1-C-005 | **1726** ± 467 | 535 | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 025-P201-F1-C-006 | **782** ± 425 | 535 | 20 ± 9 | 19 | 30 ± 11 | 20 |
| 025-P201-F1-C-007 | **2495** ± 498 | 535 | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 025-P201-F1-C-008 | **1609** ± 462 | 535 | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 025-P201-F1-C-009 | **1596** ± 461 | 535 | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 025-P201-F1-C-010 | 304 ± 402 | 535 | 17 ± 8 | 19 | 26 ± 10 | 20 |
| 025-P201-F1-C-011 | **1247** ± 446 | 535 | 11 ± 7 | 19 | 16 ± 8 | 20 |
| 025-P201-F1-C-012 | **1325** ± 449 | 535 | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 025-P201-F1-C-013 | **1150** ± 442 | 535 | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 025-P201-F1-C-014 | **1241** ± 446 | 535 | 19 ± 9 | 19 | 24 ± 10 | 20 |
| Summary for Survey Unit # P201 (14 detail records) | | | | | | |
| **Average** | 1188 | | 18 | | 22 | |
| **Minimum** | 103 | | 11 | | 15 | |
| **Maximum** | 2495 | | 22 | | 30 | |
| **Standard Deviation** | 594 | | 3 | | 5 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 025 Survey Unit P301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-P301-F1-C-001 | 633 ± 453 | 585 | 12 ± 7 | 19 | 19 ± 9 | 20 |
| 025-P301-F1-A-002 | 459 ± 445 | 585 | 16 ± 8 | 19 | 20 ● 9 | 20 |
| 025-P301-F1-A-003 | 78 ± 428 | 585 | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 025-P301-F1-C-004 | 711 ± 456 | 585 | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 025-P301-F1-I-005 | -310 ± 410 | 585 | 27 ± 10 | 19 | 30 ± 11 | 20 |
| 025-P301-F1-C-006 | 801 ± 460 | 585 | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 025-P301-F1-C-007 | 472 ± 446 | 585 | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 025-P301-F1-C-008 | 381 ± 442 | 585 | 9 ± 6 | 19 | 16 ± 8 | 20 |
| 025-P301-S2-D-009 | -123 ± 419 | 585 | 18 ± 8 | 19 | 17 ● 8 | 20 |
| 025-P301-F1-C-010 | 439 ± 445 | 585 | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 025-P301-F1-C-011 | 717 ± 457 | 585 | 21 ± 9 | 19 | 12 ± 7 | 20 |
| 025-P301-F1-C-012 | 414 ± 443 | 585 | 20 ± 9 | 19 | 29 ± 11 | 20 |
| 025-P301-F1-C-013 | 394 ± 443 | 585 | 7 ± 5 | 19 | 15 ± 8 | 20 |
| 025-P301-F1-C-014 | 310 ± 439 | 585 | 28 ± 10 | 19 | 21 ± 9 | 20 |
| Summary for Survey Unit # P301 (14 detail records) | | | | | | |
| **Average** | 384 | | 18 | | 20 | |
| **Minimum** | -310 | | 7 | | 12 | |
| **Maximum** | 801 | | 28 | | 30 | |
| **Standard Deviation** | 317 | | 6 | | 5 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 025 Survey Unit R301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-R301-F1-D-001 | **704** ± 423 | 532 | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 025-R301-F1-D-002 | 475 ± 410 | 532 | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 025-R301-F1-D-003 | **865** ± 431 | 532 | 20 ± 9 | 19 | 29 ± 11 | 20 |
| 025-R301-F1-D-004 | 436 ± 408 | 532 | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 025-R301-F1-B-005 | **689** ± 422 | 532 | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 025-R301-F1-D-006 | 475 ± 410 | 532 | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 025-R301-F1-D-007 | 429 ± 407 | 532 | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 025-R301-F1-D-008 | 375 ± 404 | 532 | 20 ± 9 | 19 | 27 ± 10 | 20 |
| 025-R301-F1-D-009 | 467 ± 409 | 532 | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 025-R301-F1-D-010 | 360 ± 403 | 532 | 11 ± 7 | 19 | 18 ± 8 | 20 |
| 025-R301-F1-D-011 | **582** ± 416 | 532 | 25 ± 10 | 19 | 29 ± 11 | 20 |
| 025-R301-F1-D-012 | 497 ± 411 | 532 | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 025-R301-F1-D-013 | 321 ± 401 | 532 | 13 ± 7 | 19 | 21 ± 9 | 20 |
| 025-R301-F1-D-014 | 482 ± 410 | 532 | 17 ± 8 | 19 | 16 ± 8 | 20 |
| Summary for Survey Unit # R301 (14 detail records) | | | | | | |
| **Average** | 511 | | 19 | | 22 | |
| **Minimum** | 321 | | 11 | | 16 | |
| **Maximum** | 865 | | 25 | | 29 | |
| **Standard Deviation** | 150 | | 4 | | 4 | |
| Summary for Building # 025 (174 detail records) | | | | | | |
| **Avg** | 482 | | 21 | | 21 | |
| **Min** | -310 | | 7 | | 8 | |
| **Max** | 2495 | | 85 | | 45 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 026 Survey Unit 2201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-2201-B1-M-001 | 58 ± 371 | 509 | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 026-2201-F1-T-002 | 343 ± 385 | 509 | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 026-2201-F1-T-003 | 239 ± 380 | 509 | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 026-2201-F1-T-004 | 162 ± 376 | 509 | 16 ± 8 | 19 | 26 ± 10 | 20 |
| 026-2201-B1-M-005 | -13 ± 367 | 509 | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 026-2201-B1-M-006 | 26 ± 369 | 509 | 11 ± 7 | 19 | 14 ± 7 | 20 |
| 026-2201-F1-T-007 | 200 ± 378 | 509 | 16 ± 8 | 19 | 28 ± 10 | 20 |
| 026-2201-F1-T-008 | 187 ± 377 | 509 | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 026-2201-B1-M-009 | 39 ± 370 | 509 | 24 ± 10 | 19 | 27 ± 10 | 20 |
| 026-2201-F1-H-010 | 181 ± 377 | 509 | 28 ± 10 | 19 | 31 ± 11 | 20 |
| 026-2201-F1-T-011 | 485 ± 393 | 509 | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 026-2201-F1-H-012 | 13 ± 368 | 509 | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 026-2201-B1-M-013 | 0 ± 367 | 509 | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 026-2201-F1-T-014 | 200 ± 378 | 509 | 18 ± 8 | 19 | 18 ± 8 | 20 |
| Summary for Survey Unit # 2201 (14 detail records) | | | | | | |
| **Average** | 151 | | 20 | | 23 | |
| **Minimum** | -13 | | 11 | | 14 | |
| **Maximum** | 485 | | 28 | | 31 | |
| **Standard Deviation** | 144 | | 4 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 026 Survey Unit 2301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-2301-F1-R-001 | -97 ± 389 | 545 | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 026-2301-F1-T-002 | 97 ± 399 | 545 | 13 ± 7 | 19 | 21 ± 9 | 20 |
| 026-2301-B1-M-003 | -84 ± 390 | 545 | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 026-2301-F1-T-004 | 168 ± 403 | 545 | 27 ± 10 | 19 | 25 ± 10 | 20 |
| 026-2301-F1-T-005 | -84 ± 390 | 545 | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 026-2301-F1-P-006 | 2417 ± 501 | 545 | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 026-2301-F1-R-007 | 52 ± 397 | 545 | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 026-2301-F1-H-008 | 32 ± 396 | 545 | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 026-2301-F1-H-009 | 13 ± 395 | 545 | 19 ± 9 | 19 | 12 ± 7 | 20 |
| 026-2301-F1-T-010 | -13 ± 394 | 545 | 30 ± 11 | 19 | 27 ± 10 | 20 |
| 026-2301-F1-T-011 | -123 ± 388 | 545 | 17 ± 8 | 19 | 18 ● 8 | 20 |
| 026-2301-F1-H-012 | 142 ± 401 | 545 | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 026-2301-F1-H-013 | -78 ± 390 | 545 | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 026-2301-F1-H-014 | 116 ● 400 | 545 | 21 ± 9 | 19 | 26 ± 10 | 20 |
| Summary for Survey Unit # 2301 (14 detail records) | | | | | | |
| **Average** | 183 | | 19 | | 20 | |
| **Minimum** | -123 | | 13 | | 12 | |
| **Maximum** | 2417 | | 30 | | 27 | |
| **Standard Deviation** | 650 | | 5 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 026 Survey Unit 3201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-3201-B1-M-001 | 90 ± 392 | 535 | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 026-3201-F1-T-002 | 84 ± 391 | 535 | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 026-3201-F1-T-003 | 32 ± 389 | 535 | 23 ± 9 | 19 | 16 ± 8 | 20 |
| 026-3201-F1-H-004 | 103 ± 392 | 535 | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 026-3201-B1-M-005 | 13 ± 388 | 535 | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 026-3201-B1-B-006 | -6 ± 387 | 535 | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 026-3201-B1-M-007 | 32 ± 389 | 535 | 10 ± 6 | 19 | 12 ± 7 | 20 |
| 026-3201-B1-M-008 | 0 ± 387 | 535 | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 026-3201-B1-M-009 | -39 ± 385 | 535 | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 026-3201-F1-T-010 | 26 ± 388 | 535 | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 026-3201-F1-H-011 | -65 ± 384 | 535 | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 026-3201-B1-B-012 | 136 ± 394 | 535 | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 026-3201-B1-M-013 | -90 ± 382 | 535 | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 026-3201-F1-T-014 | 58 ± 390 | 535 | 21 ± 9 | 19 | 27 ± 10 | 20 |
| Summary for Survey Unit # 3201 (14 detail records) | | | | | | |
| **Average** | 27 | | 20 | | 21 | |
| **Minimum** | -90 | | 10 | | 12 | |
| **Maximum** | 136 | | 25 | | 27 | |
| **Standard Deviation** | 65 | | 4 | | 5 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 026 Survey Unit 3301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-3301-F1-P-001 | **2120** ± 492 | 551 | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 026-3301-F1-T-002 | 71 ± 402 | 551 | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 026-3301-F1-T-003 | -168 ± 390 | 551 | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 026-3301-F1-R-004 | -317 ± 383 | 551 | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 026-3301-F1-T-005 | 6 ± 399 | 551 | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 026-3301-F1-H-006 | 291 ± 413 | 551 | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 026-3301-F1-R-007 | -78 ± 395 | 551 | 27 ± 10 | 19 | 28 ± 10 | 20 |
| 026-3301-F1-T-008 | -39 ± 397 | 551 | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 026-3301-F1-R-009 | -65 ± 395 | 551 | 17 ± 8 | 19 | 13 ± 7 | 20 |
| 026-3301-F1-R-010 | 32 ± 400 | 551 | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 026-3301-F1-R-011 | -129 ± 392 | 551 | 31 ± 11 | 19 | 21 ± 9 | 20 |
| 026-3301-B1-M-012 | 6 ± 399 | 551 | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 026-3301-B1-M-013 | -368 ± 380 | 551 | 13 ± 7 | 19 | 23 ± 9 | 20 |
| 026-3301-F1-P-014 | **2146** ± 493 | 551 | 20 ± 9 | 19 | 17 ± 8 | 20 |
| Summary for Survey Unit # 3301 (14 detail records) | | | | | | |
| **Average** | 251 | | 20 | | 21 | |
| **Minimum** | -368 | | 13 | | 13 | |
| **Maximum** | 2146 | | 31 | | 28 | |
| **Standard Deviation** | 813 | | 5 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 026 Survey Unit P201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-P201-F1-A-001 | **926** ± 436 | 534 | 12 ± 7 | 19 | 12 ± 7 | 20 |
| 026-P201-F1-A-002 | **811** ± 430 | 534 | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 026-P201-F1-A-003 | **964** ± 438 | 534 | 18 ± 8 | 19 | 18 ● 8 | 20 |
| 026-P201-F1-A-004 | **765** ± 428 | 534 | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 026-P201-F1-A-005 | **765** ± 428 | 534 | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 026-P201-F1-A-006 | **788** ± 429 | 534 | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 026-P201-F1-A-007 | **1255** ± 454 | 534 | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 026-P201-F1-A-008 | **696** ± 424 | 534 | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 026-P201-F1-A-009 | **781** ± 429 | 534 | 12 ± 7 | 19 | 11 ± 7 | 20 |
| 026-P201-F1-A-010 | **742** ± 426 | 534 | 13 ± 7 | 19 | 27 ± 10 | 20 |
| 026-P201-F1-A-011 | **1125** ± 447 | 534 | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 026-P201-F1-A-012 | **1110** ± 446 | 534 | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 026-P201-F1-A-013 | **788** ± 429 | 534 | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 026-P201-F1-A-014 | **995** ± 440 | 534 | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 026-P201-F1-A-015 | **712** ± 425 | 534 | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 026-P201-F1-A-016 | **781** ± 429 | 534 | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 026-P201-F1-A-017 | **865** ● 433 | 534 | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 026-P201-F1-A-018 | **911** ± 436 | 534 | 25 ± 10 | 19 | 29 ± 11 | 20 |
| Summary for Survey Unit # P201 (18 detail records) | | | | | | |
| **Average** | 877 | | 17 | | 19 | |
| **Minimum** | 696 | | 12 | | 11 | |
| **Maximum** | 1255 | | 25 | | 29 | |
| **Standard Deviation** | 158 | | 4 | | 5 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 026 Survey Unit P301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-P301-F1-A-001 | 355 ± 481 | 641 | 8 ± 6 | 19 | 18 ● 8 | 20 |
| 026-P301-F1-A-002 | 304 ± 479 | 641 | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 026-P301-F1-A-003 | 532 ± 491 | 641 | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 026-P301-F1-C-004 | 625 ± 496 | 641 | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 026-P301-F1-A-005 | 524 ± 490 | 641 | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 026-P301-F1-A-006 | 287 ± 478 | 641 | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 026-P301-F1-C-007 | 693 ± 499 | 641 | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 026-P301-F1-C-008 | 592 ± 494 | 641 | 25 ± 10 | 19 | 27 ± 10 | 20 |
| 026-P301-F1-A-009 | 203 ± 473 | 641 | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 026-P301-F1-A-010 | 473 ± 488 | 641 | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 026-P301-F1-A-011 | 423 ± 485 | 641 | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 026-P301-F1-D-012 | 177 ± 472 | 641 | 12 ± 7 | 19 | 24 ± 10 | 20 |
| 026-P301-F1-A-013 | 516 ± 490 | 641 | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 026-P301-F1-A-014 | 592 ± 494 | 641 | 14 ± 7 | 19 | 19 ± 9 | 20 |
| Summary for Survey Unit # P301 (14 detail records) | | | | | | |
| **Average** | 450 | | 16 | | 20 | |
| **Minimum** | 177 | | 8 | | 16 | |
| **Maximum** | 693 | | 25 | | 27 | |
| **Standard Deviation** | 162 | | 5 | | 3 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 026 Survey Unit R301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-R301-F1-D-001 | 490 ± 483 | 633 | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 026-R301-F1-D-002 | **811** ± 500 | 633 | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 026-R301-F1-D-003 | 507 ± 484 | 633 | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 026-R301-F1-D-004 | 355 ± 476 | 633 | 16 ± 8 | 19 | 28 ± 10 | 20 |
| 026-R301-F1-D-005 | **668** ± 493 | 633 | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 026-R301-F1-D-006 | 516 ± 485 | 633 | 22 ± 9 | 19 | 13 ± 7 | 20 |
| 026-R301-F1-D-007 | **854** ± 502 | 633 | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 026-R301-F1-D-008 | **727** ± 496 | 633 | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 026-R301-F1-D-009 | 456 ± 481 | 633 | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 026-R301-F1-D-010 | **735** ± 496 | 633 | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 026-R301-F1-D-011 | 296 ± 473 | 633 | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 026-R301-F1-D-012 | **964** ± 508 | 633 | 12 ± 7 | 19 | 22 ± 9 | 20 |
| 026-R301-F1-D-013 | **718** ± 495 | 633 | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 026-R301-F1-D-014 | 507 ± 484 | 633 | 18 ± 8 | 19 | 20 ± 9 | 20 |
| Summary for Survey Unit # R301 (14 detail records) | | | | | | |
| **Average** | 615 | | 17 | | 21 | |
| **Minimum** | 296 | | 12 | | 13 | |
| **Maximum** | 964 | | 23 | | 28 | |
| **Standard Deviation** | 196 | | 3 | | 4 | |
| Summary for Building # 026 (102 detail records) | | | | | | |
| **Avg** | 385 | | 18 | | 21 | |
| **Min** | -368 | | 8 | | 11 | |
| **Max** | 2417 | | 31 | | 31 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 028 Survey Unit 1301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-1301-F1-T-001 | 381 ± 376 | 493 | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 028-1301-F1-T-002 | 414 ± 378 | 493 | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 028-1301-F1-T-003 | 265 ± 370 | 493 | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 028-1301-F1-T-004 | **614** ± 388 | 493 | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 028-1301-F1-T-005 | 259 ± 370 | 493 | 21 ± 9 | 19 | 30 ± 11 | 20 |
| 028-1301-F1-T-006 | 439 ± 379 | 493 | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 028-1301-F1-T-007 | 259 ± 370 | 493 | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 028-1301-F1-T-008 | 330 ± 373 | 493 | 27 ± 10 | 19 | 28 ± 10 | 20 |
| 028-1301-F1-R-009 | **646** ± 390 | 493 | 10 ± 6 | 19 | 15 ± 8 | 20 |
| 028-1301-F1-T-010 | 472 ± 381 | 493 | 13 ± 7 | 19 | 14 ± 7 | 20 |
| 028-1301-B1-M-011 | 388 ± 376 | 493 | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 028-1301-F1-T-012 | 220 ± 367 | 493 | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 028-1301-F1-R-013 | **704** ± 393 | 493 | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 028-1301-F1-P-014 | **1835** ± 446 | 493 | 17 ± 8 | 19 | 20 ± 9 | 20 |
| Summary for Survey Unit # 1301 (14 detail records) | | | | | | |
| **Average** | 516 | | 18 | | 21 | |
| **Minimum** | 220 | | 10 | | 14 | |
| **Maximum** | 1835 | | 27 | | 30 | |
| **Standard Deviation** | 409 | | 5 | | 5 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 028 Survey Unit 2301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-2301-F1-T-001 | 381 ± 379 | 498 | 13 ± 7 | 19 | 23 ± 9 | 20 |
| 028-2301-F1-T-002 | 439 ± 382 | 498 | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 028-2301-F1-T-003 | 459 ± 383 | 498 | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 028-2301-F1-T-004 | 491 ± 385 | 498 | 26 ± 10 | 19 | 30 ± 11 | 20 |
| 028-2301-F1-T-005 | 187 ± 369 | 498 | 25 ± 10 | 19 | 29 ± 11 | 20 |
| 028-2301-F1-T-006 | 310 ± 376 | 498 | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 028-2301-F1-T-007 | 220 ± 371 | 498 | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 028-2301-F1-T-008 | 174 ± 368 | 498 | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 028-2301-F1-T-009 | 485 ± 385 | 498 | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 028-2301-F1-T-010 | 452 ± 383 | 498 | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 028-2301-F1-T-011 | 330 ± 377 | 498 | 22 ± 9 | 19 | 27 ± 10 | 20 |
| 028-2301-F1-T-012 | 226 ± 371 | 498 | 24 ± 10 | 19 | 16 ± 8 | 20 |
| 028-2301-F1-T-013 | **511** ± 386 | 498 | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 028-2301-F1-T-014 | 213 ± 371 | 498 | 13 ± 7 | 19 | 19 ± 9 | 20 |
| Summary for Survey Unit # 2301 (14 detail records) | | | | | | |
| **Average** | 349 | | 20 | | 22 | |
| **Minimum** | 174 | | 13 | | 16 | |
| **Maximum** | 511 | | 26 | | 30 | |
| **Standard Deviation** | 126 | | 5 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 028 Survey Unit 3301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-3301-F1-T-001 | 271 ± 370 | 493 | 13 ± 7 | 19 | 25 ± 10 | 20 |
| 028-3301-F1-T-002 | **517** ± 383 | 493 | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 028-3301-B1-M-003 | 207 ± 367 | 493 | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 028-3301-F1-T-004 | 485 ± 381 | 493 | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 028-3301-F1-T-005 | **511** ± 383 | 493 | 24 ± 10 | 19 | 31 ± 11 | 20 |
| 028-3301-F1-T-006 | 427 ± 378 | 493 | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 028-3301-F1-T-007 | **556** ± 385 | 493 | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 028-3301-F1-T-008 | **511** ± 383 | 493 | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 028-3301-F1-R-009 | 485 ± 381 | 493 | 21 ± 9 | 19 | 30 ± 11 | 20 |
| 028-3301-F1-R-010 | 368 ± 375 | 493 | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 028-3301-B1-M-011 | 200 ± 366 | 493 | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 028-3301-F1-T-012 | 220 ± 367 | 493 | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 028-3301-F1-T-013 | **704** ± 393 | 493 | 13 ± 7 | 19 | 22 ± 9 | 20 |
| 028-3301-F1-T-014 | **582** ± 386 | 493 | 17 ± 8 | 19 | 20 ± 9 | 20 |
| Summary for Survey Unit # 3301 (14 detail records) | | | | | | |
| **Average** | 432 | | 18 | | 22 | |
| **Minimum** | 200 | | 13 | | 15 | |
| **Maximum** | 704 | | 24 | | 31 | |
| **Standard Deviation** | 156 | | 3 | | 5 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 028 Survey Unit G201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-G201-F1-A-001 | **1018** ± 439 | 530 | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 028-G201-H1-M-002 | -77 ± 376 | 530 | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 028-G201-F1-T-003 | 360 ± 402 | 530 | 25 ± 10 | 19 | 28 ± 10 | 20 |
| 028-G201-F1-T-004 | 367 ± 403 | 530 | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 028-G201-F1-T-005 | 115 ± 388 | 530 | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 028-G201-F1-T-006 | 268 ± 397 | 530 | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 028-G201-B1-M-007 | -69 ± 377 | 530 | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 028-G201-F1-T-008 | 153 ± 390 | 530 | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 028-G201-F1-T-009 | 375 ± 403 | 530 | 13 ± 7 | 19 | 21 ± 9 | 20 |
| 028-G201-S2-B-010 | 107 ± 387 | 530 | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 028-G201-F1-C-011 | **1087** ± 442 | 530 | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 028-G201-F1-T-012 | 0 ± 381 | 530 | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 028-G201-F1-A-013 | **819** ± 428 | 530 | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 028-G201-S2-B-014 | 161 ± 391 | 530 | 22 ± 9 | 19 | 27 ± 10 | 20 |
| Summary for Survey Unit # G201 (14 detail records) | | | | | | |
| **Average** | 335 | | 18 | | 21 | |
| **Minimum** | -77 | | 13 | | 14 | |
| **Maximum** | 1087 | | 25 | | 28 | |
| **Standard Deviation** | 380 | | 4 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 028 Survey Unit G301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-G301-F1-T-001 | 413 ± 385 | 502 | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 028-G301-F1-T-002 | **597** ± 396 | 502 | 23 ± 9 | 19 | 29 ± 11 | 20 |
| 028-G301-F1-T-003 | 153 ± 369 | 502 | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 028-G301-F1-T-004 | 398 ± 385 | 502 | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 028-G301-F1-T-005 | 344 ± 381 | 502 | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 028-G301-F1-T-006 | **597** ± 396 | 502 | 12 ± 7 | 19 | 23 ± 9 | 20 |
| 028-G301-F1-T-007 | **528** ± 392 | 502 | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 028-G301-F1-T-008 | 390 ± 384 | 502 | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 028-G301-F1-R-009 | 191 ± 372 | 502 | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 028-G301-F1-R-010 | 184 ± 371 | 502 | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 028-G301-B1-M-011 | 99 ± 366 | 502 | 28 ± 10 | 19 | 23 ± 9 | 20 |
| 028-G301-F1-R-012 | **505** ± 391 | 502 | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 028-G301-F1-T-013 | **574** ± 395 | 502 | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 028-G301-S2-M-014 | 367 ± 383 | 502 | 20 ± 9 | 19 | 18 ± 8 | 20 |
| Summary for Survey Unit # G301 (14 detail records) | | | | | | |
| **Average** | 382 | | 19 | | 22 | |
| **Minimum** | 99 | | 12 | | 17 | |
| **Maximum** | 597 | | 28 | | 29 | |
| **Standard Deviation** | 170 | | 4 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 028 Survey Unit P301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-P301-F1-A-001 | 184 ± 413 | 559 | 16 ± 8 | 19 | 31 ± 11 | 20 |
| 028-P301-F1-A-002 | 191 ± 414 | 559 | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 028-P301-F1-C-003 | **995** ± 457 | 559 | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 028-P301-F1-C-004 | 367 ± 423 | 559 | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 028-P301-F1-A-005 | -191 ± 391 | 559 | 10 ± 6 | 19 | 18 ± 8 | 20 |
| 028-P301-F1-A-006 | 298 ± 420 | 559 | 13 ± 7 | 19 | 24 ± 10 | 20 |
| 028-P301-F1-A-007 | **895** ± 452 | 559 | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 028-P301-F1-A-008 | 145 ± 411 | 559 | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 028-P301-F1-A-009 | 467 ± 429 | 559 | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 028-P301-F1-C-010 | -628 ± 365 | 559 | 19 ± 9 | 19 | 27 ± 10 | 20 |
| 028-P301-F1-A-011 | 268 ± 418 | 559 | 12 ± 7 | 19 | 26 ± 10 | 20 |
| 028-P301-F1-A-012 | 283 ± 419 | 559 | 17 ± 8 | 19 | 26 ± 10 | 20 |
| 028-P301-F1-A-013 | -582 ± 367 | 559 | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 028-P301-F1-B-014 | 153 ± 411 | 559 | 19 ± 9 | 19 | 22 ± 9 | 20 |
| Summary for Survey Unit # P301 (14 detail records) | | | | | | |
| **Average** | 203 | | 17 | | 22 | |
| **Minimum** | -628 | | 10 | | 15 | |
| **Maximum** | 995 | | 25 | | 31 | |
| **Standard Deviation** | 455 | | 4 | | 4 | |
| Summary for Building # 028 (84 detail records) | | | | | | |
| **Avg** | 369 | | 18 | | 22 | |
| **Min** | -628 | | 10 | | 14 | |
| **Max** | 1835 | | 28 | | 31 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 030 Survey Unit 1201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 030-1201-F1-T-001 | -65 ± 460 | 636 | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 030-1201-F1-T-002 | -278 ± 451 | 636 | 14 ± 7 | 19 | 23 ± 9 | 20 |
| 030-1201-F1-T-003 | -162 ± 456 | 636 | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 030-1201-F1-T-004 | -278 ± 451 | 636 | 13 ± 7 | 19 | 13 ± 7 | 20 |
| 030-1201-H1-M-005 | -633 ± 435 | 636 | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 030-1201-B1-M-006 | -756 ± 430 | 636 | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 030-1201-F1-T-007 | -142 ± 457 | 636 | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 030-1201-B1-M-008 | -297 ± 450 | 636 | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 030-1201-F1-T-009 | -58 ± 461 | 636 | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 030-1201-F1-T-010 | -13 ± 463 | 636 | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 030-1201-B1-M-011 | -536 ± 440 | 636 | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 030-1201-F1-T-012 | -103 ± 459 | 636 | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 030-1201-F1-T-013 | -439 ± 444 | 636 | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 030-1201-F1-T-014 | -330 ± 449 | 636 | 7 ± 5 | 19 | 17 ± 8 | 20 |
| Summary for Survey Unit # 1201 (14 detail records) | | | | | | |
| **Average** | -292 | | 17 | | 19 | |
| **Minimum** | -756 | | 7 | | 13 | |
| **Maximum** | -13 | | 23 | | 24 | |
| **Standard Deviation** | 228 | | 4 | | 3 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 030 Survey Unit 1301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 030-1301-F1-C-001 | 627 ± 478 | 621 | 12 ± 7 | 19 | 17 ± 8 | 20 |
| 030-1301-F1-T-002 | -136 ± 445 | 621 | 17 ± 8 | 19 | 13 ± 7 | 20 |
| 030-1301-F1-T-003 | -52 ± 449 | 621 | 16 ± 8 | 19 | 13 ± 7 | 20 |
| 030-1301-F1-T-004 | 84 ± 455 | 621 | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 030-1301-F1-C-005 | 582 ± 476 | 621 | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 030-1301-F1-T-006 | 427 ± 470 | 621 | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 030-1301-F1-T-007 | 297 ± 464 | 621 | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 030-1301-F1-T-008 | 226 ± 461 | 621 | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 030-1301-F1-T-009 | -58 ± 449 | 621 | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 030-1301-F1-R-010 | -162 ± 444 | 621 | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 030-1301-F1-C-011 | 291 ± 464 | 621 | 11 ± 7 | 19 | 19 ± 9 | 20 |
| 030-1301-F1-T-012 | 6 ± 452 | 621 | 12 ± 7 | 19 | 13 ± 7 | 20 |
| 030-1301-F1-T-013 | -142 ± 445 | 621 | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 030-1301-F1-T-014 | 368 ± 467 | 621 | 17 ± 8 | 19 | 22 ± 9 | 20 |
| Summary for Survey Unit # 1301 (14 detail records) | | | | | | |
| **Average** | 168 | | 15 | | 19 | |
| **Minimum** | -162 | | 11 | | 13 | |
| **Maximum** | 627 | | 20 | | 26 | |
| **Standard Deviation** | 271 | | 3 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 030 Survey Unit G301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 030-G301-F1-H-001 | 291 ± 429 | 573 | 9 ± 6 | 19 | 13 ± 7 | 20 |
| 030-G301-F1-H-002 | 407 ± 434 | 573 | 24 ± 10 | 19 | 32 ± 11 | 20 |
| 030-G301-F1-H-003 | 19 ± 417 | 573 | 28 ± 10 | 19 | 32 ± 11 | 20 |
| 030-G301-F1-H-004 | -32 ± 414 | 573 | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 030-G301-F1-H-005 | 394 ± 434 | 573 | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 030-G301-B1-B-006 | -84 ± 412 | 573 | 19 ± 9 | 19 | 28 ± 10 | 20 |
| 030-G301-F1-H-007 | 52 ± 418 | 573 | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 030-G301-F1-T-008 | 6 ± 416 | 573 | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 030-G301-F1-H-009 | 187 ± 424 | 573 | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 030-G301-F1-H-010 | 136 ± 422 | 573 | 18 ± 8 | 19 | 28 ± 10 | 20 |
| 030-G301-F1-H-011 | -84 ± 412 | 573 | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 030-G301-F1-H-012 | 71 ± 419 | 573 | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 030-G301-F1-H-013 | 297 ± 429 | 573 | 22 ± 9 | 19 | 29 ± 11 | 20 |
| 030-G301-F1-H-014 | 0 ± 416 | 573 | 13 ± 7 | 19 | 20 ± 9 | 20 |
| Summary for Survey Unit # G301 (14 detail records) | | | | | | |
| **Average** | 119 | | 18 | | 24 | |
| **Minimum** | -84 | | 9 | | 13 | |
| **Maximum** | 407 | | 28 | | 32 | |
| **Standard Deviation** | 170 | | 5 | | 6 | |
| Summary for Building # 030 (42 detail records) | | | | | | |
| **Avg** | -2 | | 17 | | 21 | |
| **Min** | -756 | | 7 | | 13 | |
| **Max** | 627 | | 28 | | 32 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 035 Survey Unit 1201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 035-1201-F1-C-001 | **995** ± 455 | 566 | 14 ± 7 | 19 | 23 ± 9 | 20 |
| 035-1201-F1-C-002 | -45 ± 408 | 566 | 12 ± 7 | 19 | 16 ● 8 | 20 |
| 035-1201-F1-C-003 | 162 ± 418 | 566 | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 035-1201-F1-C-004 | 142 ± 417 | 566 | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 035-1201-F1-C-005 | 310 ● 425 | 566 | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 035-1201-F1-C-006 | **1196** ± 464 | 566 | 24 ± 10 | 19 | 26 ± 10 | 20 |
| 035-1201-F1-C-007 | 523 ± 434 | 566 | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 035-1201-F1-C-008 | 6 ± 410 | 566 | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 035-1201-F1-C-009 | 6 ± 410 | 566 | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 035-1201-F1-C-010 | **911** ± 452 | 566 | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 035-1201-F1-C-011 | **866** ± 450 | 566 | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 035-1201-F1-C-012 | **918** ± 452 | 566 | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 035-1201-F1-C-013 | **1002** ± 456 | 566 | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 035-1201-F1-C-014 | **1021** ± 456 | 566 | 24 ± 10 | 19 | 27 ± 10 | 20 |
| Summary for Survey Unit # 1201 (14 detail records) | | | | | | |
| **Average** | 572 | | 19 | | 21 | |
| **Minimum** | -45 | | 12 | | 13 | |
| **Maximum** | 1196 | | 24 | | 27 | |
| **Standard Deviation** | 457 | | 4 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 035 Survey Unit 1301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 035-1301-F1-C-001 | 13 ± 391 | 539 | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 035-1301-F1-C-002 | 129 ● 397 | 539 | **203** ● 28 | 19 | 24 ± 10 | 20 |
| 035-1301-F1-C-003 | 375 ± 409 | 539 | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 035-1301-F1-C-004 | 362 ± 408 | 539 | 80 ± 18 | 19 | 19 ± 9 | 20 |
| 035-1301-F1-R-005 | -58 ± 387 | 539 | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 035-1301-F1-C-006 | 381 ± 409 | 539 | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 035-1301-F1-C-007 | 420 ± 411 | 539 | 46 ± 13 | 19 | 28 ± 10 | 20 |
| 035-1301-F1-T-008 | -142 ± 383 | 539 | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 035-1301-F1-B-009 | -155 ± 382 | 539 | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 035-1301-F1-C-010 | 226 ± 402 | 539 | 15 ± 8 | 19 | 12 ± 7 | 20 |
| 035-1301-F1-P-011 | **1066** ± 441 | 539 | 31 ± 11 | 19 | 27 ± 10 | 20 |
| 035-1301-F1-C-012 | 446 ● 412 | 539 | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 035-1301-F1-P-013 | **1125** ± 443 | 539 | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 035-1301-F1-R-014 | -110 ± 385 | 539 | 16 ± 8 | 19 | 21 ± 9 | 20 |
| Summary for Survey Unit # 1301 (14 detail records) | | | | | | |
| **Average** | 291 | | 40 | | 21 | |
| **Minimum** | -155 | | 15 | | 12 | |
| **Maximum** | 1125 | | 203 | | 28 | |
| **Standard Deviation** | 405 | | 50 | | 5 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 035 Survey Unit B301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 035-B301-F1-C-001 | 284 ± 447 | 598 | 21 ± 9 | 19 | 28 ± 10 | 20 |
| 035-B301-F1-C-002 | 278 ± 447 | 598 | 9 ± 6 | 19 | 15 ± 8 | 20 |
| 035-B301-F1-C-003 | 323 ± 449 | 598 | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 035-B301-F1-C-004 | 885 ± 473 | 598 | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 035-B301-F1-C-005 | -26 ± 433 | 598 | 10 ± 6 | 19 | 18 ± 8 | 20 |
| 035-B301-F1-C-006 | 304 ± 448 | 598 | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 035-B301-F1-H-007 | -187 ± 426 | 598 | 27 ± 10 | 19 | 21 ± 9 | 20 |
| 035-B301-F1-H-008 | -6 ± 434 | 598 | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 035-B301-F1-H-009 | -52 ± 432 | 598 | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 035-B301-F1-C-010 | 252 ± 445 | 598 | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 035-B301-F1-C-011 | 200 ± 443 | 598 | 13 ± 7 | 19 | 24 ± 10 | 20 |
| 035-B301-F1-C-012 | 330 ± 449 | 598 | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 035-B301-F1-C-013 | 284 ± 447 | 598 | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 035-B301-F1-C-014 | 381 ± 451 | 598 | 22 ± 9 | 19 | 25 ± 10 | 20 |
| Summary for Survey Unit # B301 (14 detail records) | | | | | | |
| **Average** | 232 | | 18 | | 20 | |
| **Minimum** | -187 | | 9 | | 13 | |
| **Maximum** | 885 | | 27 | | 28 | |
| **Standard Deviation** | 257 | | 5 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 035 Survey Unit G201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 035-G201-F1-C-001 | 152 ± 511 | 696 | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 035-G201-F1-C-002 | -17 ± 503 | 696 | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 035-G201-F1-C-003 | 228 ± 515 | 696 | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 035-G201-F1-C-004 | 270 ± 517 | 696 | 13 ± 7 | 19 | 21 ± 9 | 20 |
| 035-G201-F1-C-005 | 507 ± 529 | 696 | 29 ± 11 | 19 | 26 ± 10 | 20 |
| 035-G201-F1-C-006 | 144 ± 511 | 696 | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 035-G201-F1-C-007 | 245 ± 516 | 696 | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 035-G201-F1-C-008 | 17 ± 504 | 696 | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 035-G201-F1-C-009 | -76 ± 500 | 696 | 23 ± 9 | 19 | 12 ± 7 | 20 |
| 035-G201-F1-C-010 | 118 ± 510 | 696 | 15 ± 8 | 19 | 26 ± 10 | 20 |
| 035-G201-F1-C-011 | -34 ± 502 | 696 | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 035-G201-F1-C-012 | -8 ± 503 | 696 | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 035-G201-F1-C-013 | 144 ± 511 | 696 | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 035-G201-F1-C-014 | 245 ± 516 | 696 | 13 ± 7 | 19 | 14 ± 7 | 20 |
| 035-G201-F1-C-015 | 186 ± 513 | 696 | 23 ± 9 | 19 | 15 ± 8 | 20 |
| 035-G201-F1-C-016 | 186 ± 513 | 696 | 26 ± 10 | 19 | 28 ± 10 | 20 |
| 035-G201-F1-C-017 | 34 ± 505 | 696 | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 035-G201-F1-C-018 | 135 ± 510 | 696 | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 035-G201-F1-C-019 | -127 ± 497 | 696 | 20 ± 9 | 19 | 22 ● 9 | 20 |
| 035-G201-F1-C-020 | -127 ± 497 | 696 | 24 ± 10 | 19 | 26 ± 10 | 20 |
| Summary for Survey Unit # G201 (20 detail records) | | | | | | |
| **Average** | 111 | | 20 | | 21 | |
| **Minimum** | -127 | | 13 | | 12 | |
| **Maximum** | 507 | | 29 | | 28 | |
| **Standard Deviation** | 156 | | 4 | | 5 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 035 Survey Unit G301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 035-G301-F1-T-001 | 203 ± 512 | 694 | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 035-G301-F1-H-002 | -34 ± 500 | 694 | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 035-G301-F1-H-003 | 254 ± 515 | 694 | 17 ± 8 | 19 | 11 ± 7 | 20 |
| 035-G301-F1-C-004 | -110 ± 496 | 694 | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 035-G301-F1-T-005 | 0 ± 502 | 694 | 25 ± 10 | 19 | 27 ● 10 | 20 |
| 035-G301-F1-R-006 | 203 ± 512 | 694 | 21 ± 9 | 19 | 12 ± 7 | 20 |
| 035-G301-F1-C-007 | 186 ± 511 | 694 | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 035-G301-F1-C-008 | 380 ± 521 | 694 | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 035-G301-F1-C-009 | 237 ± 514 | 694 | 27 ± 10 | 19 | 26 ± 10 | 20 |
| 035-G301-F1-C-010 | 473 ± 526 | 694 | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 035-G301-F1-C-011 | 101 ± 507 | 694 | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 035-G301-F1-T-012 | 220 ± 513 | 694 | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 035-G301-F1-C-013 | -228 ± 490 | 694 | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 035-G301-F1-H-014 | -8 ± 501 | 694 | 18 ± 8 | 19 | 17 ± 8 | 20 |
| Summary for Survey Unit # G301 (14 detail records) | | | | | | |
| **Average** | 134 | | 21 | | 19 | |
| **Minimum** | -228 | | 14 | | 11 | |
| **Maximum** | 473 | | 27 | | 27 | |
| **Standard Deviation** | 192 | | 4 | | 5 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 035 Survey Unit P301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 035-P301-F1-A-001 | 51 ± 498 | 686 | 22 ± 9 | 19 | 28 ± 10 | 20 |
| 035-P301-F1-A-002 | 254 ± 509 | 686 | 23 ± 9 | 19 | 29 ± 11 | 20 |
| 035-P301-F1-A-003 | 25 ± 497 | 686 | 23 ± 9 | 19 | 17 ± 8 | 20 |
| 035-P301-F1-A-004 | -42 ± 494 | 686 | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 035-P301-F1-C-005 | **718** ± 532 | 686 | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 035-P301-F1-A-006 | -8 ± 495 | 686 | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 035-P301-F1-C-007 | 270 ± 510 | 686 | 16 ± 8 | 19 | 17 ● 8 | 20 |
| 035-P301-F1-C-008 | 592 ± 526 | 686 | 19 ± 9 | 19 | 20 ● 9 | 20 |
| 035-P301-F1-A-009 | -68 ± 492 | 686 | 12 ± 7 | 19 | 13 ± 7 | 20 |
| 035-P301-F1-A-010 | 110 ± 501 | 686 | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 035-P301-F1-C-011 | 397 ± 516 | 686 | 10 ± 6 | 19 | 16 ± 8 | 20 |
| 035-P301-F1-A-012 | -8 ± 495 | 686 | 27 ± 10 | 19 | 24 ± 10 | 20 |
| 035-P301-F1-A-013 | 68 ± 499 | 686 | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 035-P301-F1-A-014 | 203 ● 506 | 686 | 16 ± 8 | 19 | 14 ± 7 | 20 |
| Summary for Survey Unit # P301 (14 detail records) | | | | | | |
| **Average** | 183 | | 19 | | 20 | |
| **Minimum** | -68 | | 10 | | 13 | |
| **Maximum** | 718 | | 27 | | 29 | |
| **Standard Deviation** | 242 | | 5 | | 5 | |
| Summary for Building # 035 (90 detail records) | | | | | | |
| **Avg** | 244 | | 22 | | 20 | |
| **Min** | -228 | | 9 | | 11 | |
| **Max** | 1196 | | 203 | | 29 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 036 Survey Unit 1201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 036-1201-F1-C-001 | 59 ± 518 | 711 | 14 ● 7 | 19 | 19 ± 9 | 20 |
| 036-1201-F1-C-002 | 211 ● 525 | 711 | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 036-1201-F1-T-003 | 372 ± 484 | 643 | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 036-1201-F1-T-004 | 169 ± 473 | 643 | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 036-1201-F1-T-005 | 186 ± 474 | 643 | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 036-1201-F1-T-006 | 127 ± 471 | 643 | 20 ± 9 | 19 | 31 ± 11 | 20 |
| 036-1201-F1-T-007 | 8 ± 464 | 643 | 19 ± 9 | 19 | 27 ± 10 | 20 |
| 036-1201-B1-M-008 | 34 ± 466 | 643 | 20 ± 9 | 19 | 19 ● 9 | 20 |
| 036-1201-F1-T-009 | 228 ± 476 | 643 | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 036-1201-F1-T-010 | 110 ± 470 | 643 | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 036-1201-F1-T-011 | 279 ± 479 | 643 | 19 ± 9 | 19 | 27 ± 10 | 20 |
| 036-1201-F1-T-012 | 456 ± 489 | 643 | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 036-1201-H1-M-013 | -93 ± 459 | 643 | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 036-1201-F1-T-014 | 203 ± 475 | 643 | 22 ± 9 | 19 | 23 ± 9 | 20 |
| Summary for Survey Unit # 1201 (14 detail records) | | | | | | |
| **Average** | 168 | | 19 | | 23 | |
| **Minimum** | -93 | | 14 | | 17 | |
| **Maximum** | 456 | | 25 | | 31 | |
| **Standard Deviation** | 145 | | 3 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 036 Survey Unit 1301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 036-1301-F1-T-001 | 8 ± 454 | 629 | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 036-1301-F1-T-002 | 270 ± 469 | 629 | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 036-1301-F1-R-003 | 532 ± 483 | 629 | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 036-1301-F1-R-004 | 296 ± 470 | 629 | 9 ± 6 | 19 | 21 ± 9 | 20 |
| 036-1301-F1-T-005 | 473 ± 480 | 629 | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 036-1301-F1-R-006 | 558 ± 484 | 629 | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 036-1301-F1-R-007 | 380 ± 475 | 629 | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 036-1301-F1-R-008 | 668 ± 490 | 629 | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 036-1301-B1-M-009 | 211 ± 465 | 629 | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 036-1301-F1-R-010 | 423 ± 477 | 629 | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 036-1301-F1-R-011 | 380 ± 475 | 629 | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 036-1301-F1-R-012 | 380 ± 475 | 629 | 19 ± 9 | 19 | 29 ± 11 | 20 |
| 036-1301-F1-R-013 | 617 ± 487 | 629 | 18 ± 8 | 19 | 29 ± 11 | 20 |
| 036-1301-F1-R-014 | 313 ± 471 | 629 | 16 ± 8 | 19 | 23 ± 9 | 20 |
| Summary for Survey Unit # 1301 (14 detail records) | | | | | | |
| **Average** | 394 | | 17 | | 21 | |
| **Minimum** | 8 | | 9 | | 15 | |
| **Maximum** | 668 | | 25 | | 29 | |
| **Standard Deviation** | 174 | | 4 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 036 Survey Unit P301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 036-P301-F1-C-001 | 498 ± 436 | 570 | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 036-P301-F1-C-002 | **911** ± 455 | 570 | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 036-P301-F1-C-003 | **646** ± 443 | 570 | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 036-P301-F1-C-004 | **898** ± 454 | 570 | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 036-P301-F1-C-005 | **892** ± 454 | 570 | 7 ± 5 | 19 | 15 ± 8 | 20 |
| 036-P301-F1-C-006 | **1144** ± 465 | 570 | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 036-P301-F1-C-007 | **995** ± 458 | 570 | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 036-P301-F1-C-008 | **1015** ± 459 | 570 | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 036-P301-F1-C-009 | **666** ± 444 | 570 | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 036-P301-F1-C-010 | **756** ± 448 | 570 | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 036-P301-F1-C-011 | **834** ± 451 | 570 | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 036-P301-F1-C-012 | **640** ± 443 | 570 | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 036-P301-F1-C-013 | **627** ± 442 | 570 | 24 ± 10 | 19 | 31 ± 11 | 20 |
| 036-P301-F1-C-014 | **776** ± 449 | 570 | 20 ± 9 | 19 | 16 ± 8 | 20 |
| Summary for Survey Unit # P301 (14 detail records) | | | | | | |
| **Average** | 807 | | 17 | | 20 | |
| **Minimum** | 498 | | 7 | | 15 | |
| **Maximum** | 1144 | | 24 | | 31 | |
| **Standard Deviation** | 181 | | 5 | | 4 | |
| Summary for Building # 036 (42 detail records) | | | | | | |
| **Avg** | 456 | | 18 | | 21 | |
| **Min** | -93 | | 7 | | 15 | |
| **Max** | 1144 | | 25 | | 31 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 060 Survey Unit 1201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 060-1201-F1-T-001 | **633** ± 399 | 507 | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 060-1201-F1-C-002 | **1247** ± 428 | 507 | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 060-1201-F1-T-003 | 388 ± 386 | 507 | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 060-1201-F1-T-004 | **601** ± 397 | 507 | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 060-1201-F1-T-005 | 465 ± 390 | 507 | 13 ± 7 | 19 | 12 ± 7 | 20 |
| 060-1201-F1-T-006 | 336 ± 384 | 507 | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 060-1201-F1-T-007 | **556** ± 395 | 507 | 10 ± 6 | 19 | 16 ± 8 | 20 |
| 060-1201-F1-T-008 | **536** ± 394 | 507 | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 060-1201-F1-A-009 | 375 ± 386 | 507 | 12 ± 7 | 19 | 18 ± 8 | 20 |
| 060-1201-F1-A-010 | 414 ± 388 | 507 | 9 ± 6 | 19 | 9 ± 6 | 20 |
| 060-1201-F1-A-011 | 349 ± 384 | 507 | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 060-1201-F1-C-012 | **1202** ± 426 | 507 | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 060-1201-F1-C-013 | **924** ± 413 | 507 | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 060-1201-F1-C-014 | **1215** ± 426 | 507 | 18 ± 8 | 19 | 25 ± 10 | 20 |
| *060-1201-F1-I-015* | ***569*** ± 395 | 507 | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 060-1201-F1-T-016 | 452 ± 390 | 507 | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 060-1201-F1-T-017 | 310 ± 382 | 507 | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 060-1201-F1-A-018 | 213 ± 377 | 507 | 14 ± 7 | 19 | 23 ± 9 | 20 |
| Summary for Survey Unit # 1201 (18 detail records) | | | | | | |
| **Average** | 599 | | 17 | | 19 | |
| **Minimum** | 213 | | 9 | | 9 | |
| **Maximum** | 1247 | | 21 | | 26 | |
| **Standard Deviation** | 326 | | 4 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 060 Survey Unit 1301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 060-1301-F1-T-001 | 103 ± 408 | 556 | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 060-1301-F1-T-002 | 71 ± 406 | 556 | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 060-1301-F1-Z-003 | 343 ± 419 | 556 | 20 ± 9 | 19 | 28 ± 10 | 20 |
| 060-1301-F1-C-004 | **905** ± 445 | 556 | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 060-1301-F1-T-005 | 78 ± 406 | 556 | 12 ± 7 | 19 | 13 ± 7 | 20 |
| 060-1301-F1-T-006 | 239 ± 414 | 556 | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 060-1301-F1-C-007 | **1234** ± 459 | 556 | 13 ± 7 | 19 | 24 ± 10 | 20 |
| 060-1301-F1-A-008 | 71 ± 406 | 556 | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 060-1301-F1-C-009 | **885** ± 444 | 556 | 26 ± 10 | 19 | 34 ± 11 | 20 |
| 060-1301-F1-T-010 | 155 ± 410 | 556 | 15 ± 8 | 19 | 26 ± 10 | 20 |
| 060-1301-F1-R-011 | 65 ± 406 | 556 | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 060-1301-F1-C-012 | **704** ± 436 | 556 | 15 ± 8 | 19 | 23 ± 9 | 20 |
| 060-1301-F1-R-013 | 304 ± 417 | 556 | 11 ± 7 | 19 | 20 ± 9 | 20 |
| 060-1301-F1-R-014 | 233 ± 414 | 556 | 18 ± 8 | 19 | 20 ± 9 | 20 |
| Summary for Survey Unit # 1301 (14 detail records) | | | | | | |
| **Average** | 385 | | 17 | | 22 | |
| **Minimum** | 65 | | 11 | | 13 | |
| **Maximum** | 1234 | | 26 | | 34 | |
| **Standard Deviation** | 385 | | 4 | | 5 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 060 Survey Unit G201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 060-G201-H1-M-001 | 8 ± 484 | 669 | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 060-G201-F1-T-002 | 34 ± 485 | 669 | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 060-G201-F1-T-003 | 220 ± 495 | 669 | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 060-G201-F1-T-004 | 42 ± 485 | 669 | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 060-G201-F1-T-005 | 127 ± 490 | 669 | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 060-G201-F1-T-006 | 270 ± 497 | 669 | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 060-G201-F1-T-007 | -118 ± 477 | 669 | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 060-G201-F1-T-008 | 42 ± 485 | 669 | 23 ± 9 | 19 | 18 ± 8 | 20 |
| 060-G201-F1-T-009 | -25 ± 482 | 669 | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 060-G201-F1-T-010 | -135 ± 476 | 669 | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 060-G201-F1-T-011 | -118 ± 477 | 669 | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 060-G201-F1-T-012 | 101 ± 489 | 669 | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 060-G201-F1-T-013 | -93 ± 478 | 669 | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 060-G201-F1-T-014 | 93 ± 488 | 669 | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 060-G201-F1-T-015 | 152 ± 491 | 669 | 16 ± 8 | 19 | 21 ± 9 | 20 |
| Summary for Survey Unit # G201 (15 detail records) | | | | | | |
| **Average** | 40 | | 19 | | 20 | |
| **Minimum** | -135 | | 14 | | 14 | |
| **Maximum** | 270 | | 24 | | 23 | |
| **Standard Deviation** | 124 | | 4 | | 3 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 060 Survey Unit G301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 060-G301-F1-C-001 | 761 ± 529 | 679 | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 060-G301-F1-R-002 | -25 ± 489 | 679 | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 060-G301-F1-R-003 | 220 ± 502 | 679 | 24 ± 10 | 19 | 30 ± 11 | 20 |
| 060-G301-F1-C-004 | 642 ± 523 | 679 | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 060-G301-F1-A-005 | 279 ± 505 | 679 | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 060-G301-F1-T-006 | 194 ± 501 | 679 | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 060-G301-F1-A-007 | 406 ± 511 | 679 | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 060-G301-F1-C-008 | 440 ± 513 | 679 | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 060-G301-F1-T-009 | 93 ± 495 | 679 | 11 ± 7 | 19 | 16 ± 8 | 20 |
| 060-G301-F1-A-010 | 499 ± 516 | 679 | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 060-G301-F1-R-011 | 380 ± 510 | 679 | 28 ± 10 | 19 | 40 ± 12 | 20 |
| 060-G301-F1-A-012 | 347 ± 508 | 679 | 28 ± 10 | 19 | 20 ± 9 | 20 |
| 060-G301-F1-C-013 | 161 ± 499 | 679 | 15 ± 8 | 19 | 23 ± 9 | 20 |
| 060-G301-F1-R-014 | -42 ± 488 | 679 | 19 ± 9 | 19 | 23 ± 9 | 20 |
| Summary for Survey Unit # G301 (14 detail records) | | | | | | |
| **Average** | 311 | | 21 | | 23 | |
| **Minimum** | -42 | | 11 | | 16 | |
| **Maximum** | 761 | | 28 | | 40 | |
| **Standard Deviation** | 234 | | 5 | | 6 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 060 Survey Unit P301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 060-P301-F1-E-001 | 78 ± 395 | 541 | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 060-P301-F1-C-002 | **1170** ± 447 | 541 | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 060-P301-F1-C-003 | **776** ± 429 | 541 | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 060-P301-F1-C-004 | **872** ± 433 | 541 | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 060-P301-F1-C-005 | **982** ± 438 | 541 | 14 ± 7 | 19 | 23 ± 9 | 20 |
| 060-P301-F1-E-006 | -84 ± 387 | 541 | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 060-P301-F1-C-007 | 136 ± 398 | 541 | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 060-P301-F1-C-008 | **944** ± 437 | 541 | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 060-P301-F1-C-009 | **976** ± 438 | 541 | 21 ± 9 | 19 | 28 ± 10 | 20 |
| 060-P301-F1-C-010 | **1286** ± 452 | 541 | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 060-P301-F1-C-011 | **821** ± 431 | 541 | 25 ± 10 | 19 | 20 ± 9 | 20 |
| 060-P301-F1-C-012 | **969** ± 438 | 541 | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 060-P301-F1-C-013 | **1105** ± 444 | 541 | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 060-P301-F1-C-014 | **562** ± 419 | 541 | 15 ± 8 | 19 | 22 ± 9 | 20 |
| Summary for Survey Unit # P301 (14 detail records) | | | | | | |
| **Average** | 757 | | 18 | | 21 | |
| **Minimum** | -84 | | 14 | | 16 | |
| **Maximum** | 1286 | | 25 | | 28 | |
| **Standard Deviation** | 426 | | 4 | | 3 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 060 Survey Unit R301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 060-R301-F1-D-001 | 482 ± 419 | 544 | 30 ± 11 | 19 | 31 ± 11 | 20 |
| 060-R301-F1-D-002 | 475 ± 418 | 544 | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 060-R301-F1-D-003 | 513 ± 421 | 544 | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 060-R301-F1-D-004 | 306 ± 409 | 544 | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 060-R301-F1-D-005 | **1026** ± 448 | 544 | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 060-R301-F1-D-006 | **643** ± 428 | 544 | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 060-R301-F1-D-007 | **934** ± 443 | 544 | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 060-R301-F1-D-008 | **727** ± 432 | 544 | 27 ± 10 | 19 | 26 ± 10 | 20 |
| 060-R301-F1-B-009 | 184 ± 402 | 544 | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 060-R301-F1-D-010 | **635** ± 427 | 544 | 29 ± 11 | 19 | 26 ± 10 | 20 |
| 060-R301-F1-D-011 | 497 ● 420 | 544 | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 060-R301-F1-D-012 | **666** ± 429 | 544 | 24 ± 10 | 19 | 33 ± 11 | 20 |
| 060-R301-F1-D-013 | **689** ± 430 | 544 | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 060-R301-F1-D-014 | **1033** ± 448 | 544 | 24 ± 10 | 19 | 27 ± 10 | 20 |
| Summary for Survey Unit # R301 (14 detail records) | | | | | | |
| **Average** | 629 | | 23 | | 25 | |
| **Minimum** | 184 | | 18 | | 20 | |
| **Maximum** | 1033 | | 30 | | 33 | |
| **Standard Deviation** | 249 | | 4 | | 4 | |
| Summary for Building # 060 (89 detail records) | | | | | | |
| **Avg** | 455 | | 19 | | 22 | |
| **Min** | -135 | | 9 | | 9 | |
| **Max** | 1286 | | 30 | | 40 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 073 Survey Unit G201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 073-G201-F1-C-001 | **872** ± 472 | 592 | 12 ± 7 | 19 | 17 ● 8 | 20 |
| 073-G201-F1-C-002 | **1156** ± 486 | 592 | 10 ± 6 | 19 | 19 ± 9 | 20 |
| 073-G201-F1-C-003 | **1049** ± 481 | 592 | 21 ± 9 | 19 | 30 ± 11 | 20 |
| 073-G201-F1-C-004 | **643** ± 461 | 592 | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 073-G201-F1-C-005 | **911** ± 474 | 592 | 11 ± 7 | 19 | 13 ± 7 | 20 |
| 073-G201-F1-C-006 | **1041** ± 480 | 592 | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 073-G201-F1-C-007 | **1071** ± 482 | 592 | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 073-G201-F1-C-008 | **1125** ± 484 | 592 | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 073-G201-F1-C-009 | **934** ± 475 | 592 | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 073-G201-F1-C-010 | **888** ± 473 | 592 | 10 ± 6 | 19 | 19 ± 9 | 20 |
| 073-G201-F1-C-011 | **980** ± 477 | 592 | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 073-G201-F1-C-012 | **926** ± 475 | 592 | 28 ± 10 | 19 | 25 ± 10 | 20 |
| 073-G201-F1-C-013 | **1217** ± 489 | 592 | 16 ± 8 | 19 | 23 ● 9 | 20 |
| 073-G201-F1-C-014 | **857** ± 471 | 592 | 19 ± 9 | 19 | 22 ● 9 | 20 |
| 073-G201-F1-C-015 | **773** ± 467 | 592 | 12 ± 7 | 19 | 20 ± 9 | 20 |

| Summary for Survey Unit # G201 (15 detail records) | | | |
|---|---|---|---|
| **Average** | 963 | 17 | 21 |
| **Minimum** | 643 | 10 | 13 |
| **Maximum** | 1217 | 28 | 30 |
| **Standard Deviation** | 152 | 5 | 4 |

| Summary for Building # 073 (15 detail records) | | | |
|---|---|---|---|
| **Avg** | 963 | 17 | 21 |
| **Min** | 643 | 10 | 13 |
| **Max** | 1217 | 28 | 30 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 090 Survey Unit G201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 090-G201-F1-T-001 | -13 ± 379 | 525 | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 090-G201-F1-C-002 | **872** ± 423 | 525 | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 090-G201-F1-C-003 | **1047** ± 431 | 525 | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 090-G201-F1-C-004 | **1015** ± 429 | 525 | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 090-G201-F1-C-005 | **924** ± 425 | 525 | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 090-G201-F1-T-006 | 116 ± 386 | 525 | 13 ± 7 | 19 | 9 ± 6 | 20 |
| 090-G201-F1-T-007 | 116 ± 386 | 525 | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 090-G201-F1-C-008 | **1047** ± 431 | 525 | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 090-G201-F1-C-009 | **1273** ± 441 | 525 | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 090-G201-F1-T-010 | 472 ± 403 | 525 | 8 ± 6 | 19 | 22 ± 9 | 20 |
| 090-G201-F1-T-011 | 439 ± 402 | 525 | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 090-G201-F1-C-012 | **1306** ± 442 | 525 | 26 ± 10 | 19 | 25 ± 10 | 20 |
| 090-G201-F1-C-013 | **1241** ± 439 | 525 | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 090-G201-F1-C-014 | **1506** ± 451 | 525 | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 090-G201-F1-T-015 | 187 ± 389 | 525 | 25 ± 10 | 19 | 20 ± 9 | 20 |
| Summary for Survey Unit # G201 (15 detail records) | | | | | | |
| **Average** | 770 | | 18 | | 21 | |
| **Minimum** | -13 | | 8 | | 9 | |
| **Maximum** | 1506 | | 26 | | 25 | |
| **Standard Deviation** | 504 | | 5 | | 4 | |
| Summary for Building # 090 (15 detail records) | | | | | | |
| **Avg** | 770 | | 18 | | 21 | |
| **Min** | -13 | | 8 | | 9 | |
| **Max** | 1506 | | 26 | | 25 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

## Building 520 Survey Unit G101 Class 1

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-G101-F1-C-001 | 228 ± 524 | 709 | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 520-G101-F1-C-002 | -228 ± 501 | 709 | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 520-G101-H1-B-003 | -465 ± 489 | 709 | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 520-G101-H1-B-004 | -448 ± 490 | 709 | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 520-G101-F1-C-005 | 676 ± 546 | 709 | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 520-G101-S2-W-006 | -389 ± 493 | 709 | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 520-G101-S2-W-007 | -304 ± 497 | 709 | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 520-G101-S2-W-008 | -220 ± 502 | 709 | 25 ± 10 | 19 | 31 ± 11 | 20 |
| 520-G101-F1-C-009 | -101 ± 508 | 709 | 25 ± 10 | 19 | 27 ± 10 | 20 |
| 520-G101-F1-C-010 | 490 ± 537 | 709 | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 520-G101-F1-C-011 | 59 ± 516 | 709 | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 520-G101-B1-B-012 | -549 ± 485 | 709 | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 520-G101-S2-B-013 | -423 ± 491 | 709 | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 520-G101-S2-W-014 | -549 ± 485 | 709 | 12 ± 7 | 19 | 13 ± 7 | 20 |
| 520-G101-B1-B-015 | -262 ± 500 | 709 | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 520-G101-F1-C-016 | 169 ± 521 | 709 | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 520-G101-B1-B-017 | -600 ± 482 | 709 | 35 ± 12 | 19 | 18 ± 8 | 20 |
| 520-G101-F1-C-018 | 220 ± 524 | 709 | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 520-G101-S2-W-019 | -465 ± 489 | 709 | 18 ± 8 | 19 | 11 ± 7 | 20 |
| 520-G101-S2-W-020 | -355 ± 495 | 709 | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 520-G101-F1-C-021 | -42 ± 511 | 709 | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 520-G101-B1-B-022 | -380 ± 494 | 709 | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 520-G101-F1-C-023 | 431 ± 534 | 709 | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 520-G101-B1-B-024 | -516 ± 486 | 709 | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 520-G101-S2-W-025 | -702 ± 476 | 709 | 16 ± 8 | 19 | 15 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

| | | | | | | |
|---|---|---|---|---|---|---|
| 520-G101-B1-B-026 | -482 ± 488 | 709 | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 520-G101-S2-W-027 | -516 ± 486 | 709 | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 520-G101-S2-W-028 | -127 ± 507 | 709 | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 520-G101-S2-W-029 | -499 ± 487 | 709 | 14 ± 7 | 19 | 18 ± 8 | 20 |
| Summary for Survey Unit # G101 (29 detail records) | | | | | | |
| **Average** | -219 | | 18 | | 19 | |
| **Minimum** | -702 | | 12 | | 11 | |
| **Maximum** | 676 | | 35 | | 31 | |
| **Standard Deviation** | 359 | | 5 | | 4 | |

## Building 520 Survey Unit G301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-G301-F1-T-001 | 237 ± 397 | 533 | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 520-G301-F1-T-002 | 176 ± 393 | 533 | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 520-G301-F1-T-003 | 352 ± 404 | 533 | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 520-G301-F1-T-004 | 337 ± 403 | 533 | **113** ± 21 | 19 | 19 ± 9 | 20 |
| 520-G301-F1-T-005 | 38 ± 385 | 533 | 27 ± 10 | 19 | 24 ± 10 | 20 |
| 520-G301-F1-T-006 | **543** ± 415 | 533 | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 520-G301-F1-T-007 | 291 ± 400 | 533 | 17 ± 8 | 19 | 13 ± 7 | 20 |
| 520-G301-B1-M-008 | 268 ± 399 | 533 | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 520-G301-F1-T-009 | 298 ± 400 | 533 | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 520-G301-F1-T-010 | 383 ± 405 | 533 | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 520-G301-F1-T-011 | 199 ± 395 | 533 | 13 ± 7 | 19 | 21 ± 9 | 20 |
| 520-G301-F1-T-012 | 352 ± 404 | 533 | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 520-G301-F1-C-013 | **681** ± 422 | 533 | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 520-G301-F1-T-014 | 38 ± 385 | 533 | 16 ± 8 | 19 | 17 ± 8 | 20 |
| Summary for Survey Unit # G301 (14 detail records) | | | | | | |
| **Average** | 300 | | 25 | | 19 | |
| **Minimum** | 38 | | 13 | | 13 | |
| **Maximum** | 681 | | 113 | | 24 | |
| **Standard Deviation** | 172 | | 26 | | 3 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Structural Surfaces Survey Results

| | | | |
|---|---|---|---|
| Summary for Building # 520 (43 detail records) | | | |
| **Avg** | -50 | 20 | 19 |
| **Min** | -702 | 12 | 11 |
| **Max** | 681 | 113 | 31 |

## Building 550 Survey Unit G301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 550-G301-F1-A-001 | 390 ± 456 | 603 | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 550-G301-F1-A-002 | -38 ± 433 | 603 | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 550-G301-F1-A-003 | 153 ± 443 | 603 | 26 ± 10 | 19 | 31 ± 11 | 20 |
| 550-G301-F1-A-004 | -230 ± 423 | 603 | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 550-G301-F1-A-005 | 651 ± 469 | 603 | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 550-G301-F1-A-006 | 444 ± 458 | 603 | 15 ± 8 | 19 | 12 ± 7 | 20 |
| 550-G301-F1-A-007 | -298 ± 419 | 603 | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 550-G301-F1-A-008 | -153 ± 427 | 603 | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 550-G301-F1-A-009 | 398 ± 456 | 603 | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 550-G301-F1-A-010 | 375 ● 455 | 603 | 19 ± 9 | 19 | 34 ± 11 | 20 |
| 550-G301-F1-A-011 | 475 ± 460 | 603 | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 550-G301-F1-A-012 | 283 ± 450 | 603 | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 550-G301-F1-A-013 | 467 ± 459 | 603 | 24 ± 10 | 19 | 27 ± 10 | 20 |
| 550-G301-F1-A-014 | -237 ± 422 | 603 | 20 ± 9 | 19 | 21 ± 9 | 20 |

| | | | |
|---|---|---|---|
| Summary for Survey Unit # G301 (14 detail records) | | | |
| **Average** | 191 | 19 | 23 |
| **Minimum** | -298 | 12 | 12 |
| **Maximum** | 651 | 26 | 34 |
| **Standard Deviation** | 320 | 4 | 6 |

| | | | |
|---|---|---|---|
| Summary for Building # 550 (14 detail records) | | | |
| **Avg** | 191 | 19 | 23 |
| **Min** | -298 | 12 | 12 |
| **Max** | 651 | 26 | 34 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 014 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 014-DR01-D3-M-001 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 014-DR01-D3-M-002 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 014-DR01-D3-M-003 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 014-DR01-D3-M-004 | N/A | N/A | 40 ± 12 | 19 | 22 ± 9 | 20 |
| 014-DR01-D3-M-005 | N/A | N/A | 16 ± 8 | 19 | 13 ± 7 | 20 |
| 014-DR01-D3-M-006 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 014-DR01-D3-M-007 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 014-DR01-D3-M-008 | N/A | N/A | 98 ± 19 | 19 | 33 ± 11 | 20 |
| 014-DR01-D3-M-009 | N/A | N/A | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 014-DR01-D3-M-010 | N/A | N/A | **856** ± 57 | 19 | **143** ± 23 | 20 |
| 014-DR01-D3-M-011 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 014-DR01-D3-M-012 | N/A | N/A | 26 ± 10 | 19 | 25 ± 10 | 20 |
| 014-DR01-D3-M-013 | N/A | N/A | 24 ± 10 | 19 | 17 ± 8 | 20 |
| 014-DR01-D2-M-014 | N/A | N/A | 24 ± 10 | 19 | 18 ± 8 | 20 |
| 014-DR01-D3-M-015 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 014-DR01-D3-M-016 | N/A | N/A | 26 ± 10 | 19 | 15 ± 8 | 20 |
| 014-DR01-D3-M-017 | N/A | N/A | 42 ± 13 | 19 | 45 ± 13 | 20 |
| 014-DR01-D3-M-018 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 014-DR01-D3-M-019 | N/A | N/A | 80 ± 18 | 19 | 25 ± 10 | 20 |
| 014-DR01-D3-M-020 | N/A | N/A | 35 ± 12 | 19 | 25 ± 10 | 20 |
| 014-DR01-D3-M-021 | N/A | N/A | **1669** ± 80 | 19 | **272** ± 32 | 20 |
| 014-DR01-D3-M-022 | N/A | N/A | **951** ± 60 | 19 | **132** ± 23 | 20 |
| 014-DR01-D3-M-023 | N/A | N/A | 16 ± 8 | 19 | 28 ± 10 | 20 |
| 014-DR01-D3-M-024 | N/A | N/A | 28 ± 10 | 19 | 23 ± 9 | 20 |
| 014-DR01-D3-M-025 | N/A | N/A | 23 ± 9 | 19 | 13 ± 7 | 20 |
| 014-DR01-D3-M-026 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 014-DR01-D2-M-027 | N/A | N/A | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 014-DR01-D2-M-028 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 014-DR01-D2-M-029 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 014-DR01-D2-M-030 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 014-DR01-D2-M-031 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 014 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| Summary for Survey Unit # DR01 (31 detail records) | | | | | | |
| **Average** | | | 137 | | 37 | |
| **Minimum** | | | 12 | | 13 | |
| **Maximum** | | | 1669 | | 272 | |
| **Standard Deviation** | | | 359 | | 53 | |

Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.

# Building Systems Final Status Survey Results

## Building 014 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 014-VA01-V1-M-001 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 014-VA01-V1-M-002 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 014-VA01-V1-M-003 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 014-VA01-V1-M-004 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 014-VA01-V1-M-005 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 014-VA01-V1-M-006 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 014-VA01-V1-M-007 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 014-VA01-V1-M-008 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 014-VA01-V1-M-009 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 014-VA01-V1-M-010 | N/A | N/A | 27 ± 10 | 19 | 20 ± 9 | 20 |
| 014-VA01-V1-M-011 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 014-VA01-V1-M-012 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 014-VA01-V1-M-013 | N/A | N/A | 14 ± 7 | 19 | 24 ± 10 | 20 |
| 014-VA01-V1-M-014 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 014-VA01-V1-M-015 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 014-VA01-V1-M-016 | N/A | N/A | 27 ± 10 | 19 | 21 ± 9 | 20 |
| 014-VA01-V1-M-017 | N/A | N/A | 23 ± 9 | 19 | 29 ± 11 | 20 |
| 014-VA01-V1-M-018 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 014-VA01-V1-M-019 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 014-VA01-V1-M-020 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 014-VA01-V1-M-021 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 014-VA01-V1-M-022 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 014-VA01-V1-M-023 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 014-VA01-V1-M-024 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 014-VA01-V1-M-025 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 014-VA01-V1-M-026 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 014-VA01-V1-M-027 | N/A | N/A | 26 ± 10 | 19 | 21 ± 9 | 20 |
| 014-VA01-V1-M-028 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 014-VA01-V1-M-029 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 014-VA01-V1-M-030 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 014-VA01-V1-M-031 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 014-VA01-V1-M-032 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 014-VA01-V1-M-033 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 014-VA01-V1-M-034 | N/A | N/A | 13 ± 7 | 19 | 24 ± 10 | 20 |
| 014-VA01-V1-M-035 | N/A | N/A | 25 ± 10 | 19 | 18 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 014 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 014-VA01-V1-M-036 | N/A | N/A | 28 ± 10 | 19 | 25 ± 10 | 20 |
| 014-VA01-V1-M-037 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 014-VA01-V1-M-038 | N/A | N/A | 23 ± 9 | 19 | 29 ± 11 | 20 |
| 014-VA01-V1-M-039 | N/A | N/A | 7 ± 5 | 19 | 9 ± 6 | 20 |
| 014-VA01-V1-M-040 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 014-VA01-V1-M-041 | N/A | N/A | 31 ± 11 | 19 | 21 ± 9 | 20 |
| 014-VA01-V1-M-042 | N/A | N/A | 18 ± 8 | 19 | 27 ± 10 | 20 |
| 014-VA01-V1-M-043 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 014-VA01-V1-M-044 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 014-VA01-V1-M-045 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 014-VA01-V1-M-046 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 014-VA01-V1-M-047 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 014-VA01-V1-M-048 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 014-VA01-V1-M-049 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 014-VA01-V1-M-050 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 014-VA01-V1-M-051 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 014-VA01-V1-M-052 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 014-VA01-V1-M-053 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 014-VA01-V1-M-054 | N/A | N/A | 28 ± 10 | 19 | 25 ± 10 | 20 |
| 014-VA01-V1-M-055 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 014-VA01-V1-M-056 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 014-VA01-V1-M-057 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 014-VA01-V1-M-058 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 014-VA01-V1-M-059 | N/A | N/A | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 014-VA01-V1-M-060 | N/A | N/A | 24 ± 10 | 19 | 27 ± 10 | 20 |
| 014-VA01-V1-M-061 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 014-VA01-V1-M-062 | N/A | N/A | 9 ± 6 | 19 | 11 ± 7 | 20 |
| 014-VA01-V1-M-063 | N/A | N/A | 31 ± 11 | 19 | 27 ± 10 | 20 |
| 014-VA01-V1-M-064 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 014-VA01-V1-M-065 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| Summary for Survey Unit # VA01 (65 detail records) | | | | | | |
| **Average** | | | 20 | | 21 | |
| **Minimum** | | | 7 | | 9 | |
| **Maximum** | | | 31 | | 29 | |
| **Standard Deviation** | | | 5 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 014 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 014-VE01-V3-M-001 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 014-VE01-V3-M-002 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 014-VE01-V3-M-003 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 014-VE01-V3-M-004 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 014-VE01-V3-M-005 | N/A | N/A | 30 ± 11 | 19 | 23 ± 9 | 20 |
| 014-VE01-V2-M-006 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 014-VE01-V2-M-007 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 014-VE01-V2-M-008 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 014-VE01-V2-M-009 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 014-VE01-V1-M-010 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 014-VE01-V2-M-011 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 014-VE01-V2-M-012 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 014-VE01-V2-M-013 | N/A | N/A | 23 ± 9 | 19 | 16 ± 8 | 20 |
| 014-VE01-V2-M-014 | N/A | N/A | 25 ± 10 | 19 | 20 ● 9 | 20 |
| 014-VE01-V2-M-015 | N/A | N/A | 27 ± 10 | 19 | 24 ± 10 | 20 |
| 014-VE01-V2-M-016 | N/A | N/A | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 014-VE01-V2-M-017 | N/A | N/A | 12 ± 7 | 19 | 22 ± 9 | 20 |
| 014-VE01-V2-M-018 | N/A | N/A | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 014-VE01-V2-M-019 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 014-VE01-V1-M-020 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 014-VE01-V2-M-021 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 014-VE01-V1-M-022 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 014-VE01-V1-M-023 | N/A | N/A | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 014-VE01-V1-M-024 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 014-VE01-V1-M-025 | N/A | N/A | 16 ± 8 | 19 | 30 ± 11 | 20 |
| 014-VE01-V1-M-026 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 014-VE01-V2-M-027 | N/A | N/A | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 014-VE01-V2-M-028 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 014-VE01-V1-M-029 | N/A | N/A | 12 ± 7 | 19 | 21 ± 9 | 20 |
| 014-VE01-V2-M-030 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 014-VE01-V2-M-031 | N/A | N/A | 17 ± 8 | 19 | 13 ± 7 | 20 |
| 014-VE01-V2-M-032 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 014-VE01-V1-M-033 | N/A | N/A | 23 ± 9 | 19 | 26 ± 10 | 20 |
| 014-VE01-V2-M-034 | N/A | N/A | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 014-VE01-V2-M-035 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 014 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 014-VE01-V1-M-036 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 014-VE01-V2-M-037 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 014-VE01-V2-M-038 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 014-VE01-V2-M-039 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 014-VE01-V2-M-040 | N/A | N/A | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 014-VE01-V2-M-041 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 014-VE01-V2-M-042 | N/A | N/A | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 014-VE01-V2-M-043 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 014-VE01-V2-M-044 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 014-VE01-V2-M-045 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 014-VE01-V2-M-046 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 014-VE01-V2-M-047 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 014-VE01-V2-M-048 | N/A | N/A | 19 ± 9 | 19 | 12 ± 7 | 20 |
| Summary for Survey Unit # VE01 (48 detail records) | | | | | | |
| **Average** | | | 19 | | 20 | |
| **Minimum** | | | 12 | | 12 | |
| **Maximum** | | | 30 | | 30 | |
| **Standard Deviation** | | | 4 | | 3 | |
| Summary for Building # 014 (144 detail records) | | | | | | |
| **Avg** | | | 45 | | 24 | |
| **Min** | | | 7 | | 9 | |
| **Max** | | | 1669 | | 272 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-DR01-D2-M-001 | N/A | N/A | 14 ± 7 | 19 | 11 ± 7 | 20 |
| 020-DR01-D2-M-002 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 020-DR01-D2-M-003 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 020-DR01-D2-M-004 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 020-DR01-D2-M-005 | N/A | N/A | 20 ± 9 | 19 | 28 ± 10 | 20 |
| 020-DR01-D2-M-006 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 020-DR01-D2-M-007 | N/A | N/A | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 020-DR01-D3-M-008 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 020-DR01-D2-M-009 | N/A | N/A | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 020-DR01-D3-M-010 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-DR01-D3-M-011 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 020-DR01-D3-M-012 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 020-DR01-D3-M-013 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 020-DR01-D3-M-014 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 020-DR01-D3-M-015 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 020-DR01-D3-M-016 | N/A | N/A | 20 ± 9 | 19 | 32 ± 11 | 20 |
| 020-DR01-D3-M-017 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 020-DR01-D3-M-018 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 020-DR01-D3-M-019 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 020-DR01-D3-M-020 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 020-DR01-D3-M-021 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 020-DR01-D3-M-022 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 020-DR01-D3-M-023 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-DR01-D3-M-024 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 020-DR01-D3-M-025 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 020-DR01-D3-M-026 | N/A | N/A | 13 ± 7 | 19 | 27 ± 10 | 20 |
| 020-DR01-D3-M-027 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 020-DR01-D1-M-028 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 020-DR01-D1-M-029 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 020-DR01-D1-M-030 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 020-DR01-D1-M-031 | N/A | N/A | 24 ± 10 | 19 | 29 ± 11 | 20 |
| 020-DR01-D3-M-032 | N/A | N/A | 18 ± 8 | 19 | 27 ± 10 | 20 |
| 020-DR01-D3-M-033 | N/A | N/A | 27 ± 10 | 19 | 30 ± 11 | 20 |
| 020-DR01-D3-M-034 | N/A | N/A | 29 ± 11 | 19 | 26 ± 10 | 20 |
| 020-DR01-D3-M-035 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-DR01-D3-M-036 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 020-DR01-D1-M-037 | N/A | N/A | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 020-DR01-D1-M-038 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 020-DR01-D1-M-039 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-DR01-D1-M-040 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-DR01-D3-M-041 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 020-DR01-D3-M-042 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 020-DR01-D3-M-043 | N/A | N/A | 27 ± 10 | 19 | 28 ± 10 | 20 |
| 020-DR01-D4-M-044 | N/A | N/A | 25 ± 10 | 19 | 20 ± 9 | 20 |
| 020-DR01-D4-M-045 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 020-DR01-D4-M-046 | N/A | N/A | 23 ± 9 | 19 | 26 ± 10 | 20 |
| 020-DR01-D4-M-047 | N/A | N/A | 27 ± 10 | 19 | 21 ± 9 | 20 |
| 020-DR01-D1-M-048 | N/A | N/A | 47 ± 13 | 19 | 37 ± 12 | 20 |
| 020-DR01-D4-M-049 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 020-DR01-D1-M-050 | N/A | N/A | 25 ± 10 | 19 | 24 ± 10 | 20 |
| 020-DR01-D3-M-051 | N/A | N/A | 28 ± 10 | 19 | 21 ± 9 | 20 |
| 020-DR01-D1-M-052 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 020-DR01-D3-M-053 | N/A | N/A | 30 ± 11 | 19 | 21 ± 9 | 20 |
| 020-DR01-D2-M-054 | N/A | N/A | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 020-DR01-D3-M-055 | N/A | N/A | 25 ± 10 | 19 | 29 ± 11 | 20 |
| 020-DR01-D4-M-056 | N/A | N/A | 25 ± 10 | 19 | 20 ± 9 | 20 |
| 020-DR01-D4-M-057 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 020-DR01-D3-M-058 | N/A | N/A | 11 ± 7 | 19 | 22 ± 9 | 20 |
| 020-DR01-D4-M-059 | N/A | N/A | 11 ± 7 | 19 | 14 ± 7 | 20 |
| 020-DR01-D1-M-060 | N/A | N/A | **437** ± 41 | 19 | **670** ± 51 | 20 |
| 020-DR01-D3-M-061 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-DR01-D1-M-062 | N/A | N/A | 33 ± 11 | 19 | 19 ± 9 | 20 |
| 020-DR01-D4-M-063 | N/A | N/A | 26 ± 10 | 19 | 28 ± 10 | 20 |
| 020-DR01-D2-M-064 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 020-DR01-D3-M-065 | N/A | N/A | 41 ± 13 | 19 | 34 ± 11 | 20 |
| 020-DR01-D4-M-066 | N/A | N/A | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 020-DR01-D4-M-067 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 020-DR01-D4-M-068 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 020-DR01-D3-M-069 | N/A | N/A | 28 ± 10 | 19 | 27 ± 10 | 20 |
| 020-DR01-D1-M-070 | N/A | N/A | 27 ± 10 | 19 | 32 ± 11 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-DR01-D1-M-071 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 020-DR01-D4-M-072 | N/A | N/A | 23 ± 9 | 19 | 26 ± 10 | 20 |
| 020-DR01-D4-M-073 | N/A | N/A | 35 ± 12 | 19 | 27 ± 10 | 20 |
| 020-DR01-D3-M-074 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 020-DR01-D3-M-075 | N/A | N/A | 33 ± 11 | 19 | 24 ± 10 | 20 |
| 020-DR01-D3-M-076 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-DR01-D1-M-077 | N/A | N/A | 10 ± 6 | 19 | 15 ± 8 | 20 |
| 020-DR01-D3-M-078 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 020-DR01-D1-M-079 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 020-DR01-D3-M-080 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 020-DR01-D2-M-081 | N/A | N/A | 29 ± 11 | 19 | 26 ± 10 | 20 |
| 020-DR01-D2-M-082 | N/A | N/A | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 020-DR01-D3-M-083 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-DR01-D3-M-084 | N/A | N/A | 26 ± 10 | 19 | 26 ± 10 | 20 |
| 020-DR01-D3-M-085 | N/A | N/A | 39 ± 12 | 19 | 24 ± 10 | 20 |
| 020-DR01-D3-M-086 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-DR01-D3-M-087 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 020-DR01-D4-M-088 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 020-DR01-D1-M-089 | N/A | N/A | 13 ± 7 | 19 | 13 ± 7 | 20 |
| 020-DR01-D4-M-090 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 020-DR01-D4-M-091 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 020-DR01-D4-M-092 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-DR01-D1-M-093 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 020-DR01-D4-M-094 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 020-DR01-D3-M-095 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 020-DR01-D1-M-096 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 020-DR01-D4-M-097 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 020-DR01-D4-M-098 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 020-DR01-D1-M-099 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 020-DR01-D3-M-100 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 020-DR01-D4-M-101 | N/A | N/A | 23 ± 9 | 19 | 26 ± 10 | 20 |
| 020-DR01-D2-M-102 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 020-DR01-D2-M-103 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 020-DR01-D3-M-104 | N/A | N/A | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 020-DR01-D3-M-105 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-DR01-D3-M-106 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 020-DR01-D3-M-107 | N/A | N/A | 15 ± 8 | 19 | 27 ± 10 | 20 |
| 020-DR01-D3-M-108 | N/A | N/A | 19 ± 9 | 19 | 31 ± 11 | 20 |
| 020-DR01-D3-M-109 | N/A | N/A | 42 ± 13 | 19 | 27 ± 10 | 20 |
| 020-DR01-D3-M-110 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 020-DR01-D3-M-111 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 020-DR01-D3-M-112 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 020-DR01-D3-M-113 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 020-DR01-D3-M-114 | N/A | N/A | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 020-DR01-D3-M-115 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 020-DR01-D3-M-116 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-DR01-D3-M-117 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 020-DR01-D3-M-118 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-DR01-D3-M-119 | N/A | N/A | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 020-DR01-D3-M-120 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-DR01-D3-M-121 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 020-DR01-D1-M-122 | N/A | N/A | 24 ± 10 | 19 | 32 ± 11 | 20 |
| 020-DR01-D1-M-123 | N/A | N/A | 10 ± 6 | 19 | 10 ± 6 | 20 |
| 020-DR01-D1-M-124 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 020-DR01-D1-M-125 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 020-DR01-D3-M-126 | N/A | N/A | 27 ± 10 | 19 | 28 ± 10 | 20 |
| 020-DR01-D3-M-127 | N/A | N/A | 78 ± 17 | 19 | 32 ± 11 | 20 |
| 020-DR01-D2-M-128 | N/A | N/A | 9 ± 6 | 19 | 10 ± 6 | 20 |
| 020-DR01-D3-M-129 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 020-DR01-D3-M-130 | N/A | N/A | 17 ± 8 | 19 | 29 ± 11 | 20 |
| 020-DR01-D2-M-131 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 020-DR01-D3-M-132 | N/A | N/A | 23 ± 9 | 19 | 26 ± 10 | 20 |
| 020-DR01-D1-M-133 | N/A | N/A | **224** ± 29 | 19 | 57 ± 15 | 20 |
| 020-DR01-D1-M-134 | N/A | N/A | 26 ± 10 | 19 | 29 ± 11 | 20 |
| 020-DR01-D1-M-135 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 020-DR01-D1-M-136 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 020-DR01-D3-M-137 | N/A | N/A | 73 ± 17 | 19 | 40 ± 12 | 20 |
| 020-DR01-D1-M-138 | N/A | N/A | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 020-DR01-D3-M-139 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 020-DR01-D3-M-140 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-DR01-D3-M-141 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 020-DR01-D1-M-142 | N/A | N/A | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 020-DR01-D1-M-143 | N/A | N/A | 18 ± 8 | 19 | 13 ± 7 | 20 |
| 020-DR01-D1-M-144 | N/A | N/A | 56 ± 15 | 19 | 52 ± 14 | 20 |
| 020-DR01-D3-M-145 | N/A | N/A | 47 ± 13 | 19 | 45 ± 13 | 20 |
| 020-DR01-D3-M-146 | N/A | N/A | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 020-DR01-D4-M-147 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 020-DR01-D1-M-148 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 020-DR01-D4-M-149 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 020-DR01-D4-M-150 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 020-DR01-D3-M-151 | N/A | N/A | 26 ± 10 | 19 | 32 ± 11 | 20 |
| 020-DR01-D1-M-152 | N/A | N/A | 26 ± 10 | 19 | 29 ± 11 | 20 |
| 020-DR01-D3-M-153 | N/A | N/A | 19 ± 9 | 19 | 10 ± 6 | 20 |
| 020-DR01-D3-M-154 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 020-DR01-D4-M-155 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 020-DR01-D4-M-156 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 020-DR01-D3-M-157 | N/A | N/A | 32 ± 11 | 19 | 32 ± 11 | 20 |
| 020-DR01-D4-M-158 | N/A | N/A | **320** ± 35 | 19 | **297** ± 34 | 20 |
| 020-DR01-D3-M-159 | N/A | N/A | 30 ± 11 | 19 | 36 ± 12 | 20 |
| 020-DR01-D3-M-160 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-DR01-D1-M-161 | N/A | N/A | **1182** ± 67 | 19 | **1189** ± 68 | 20 |
| 020-DR01-D1-M-162 | N/A | N/A | 29 ± 11 | 19 | 27 ± 10 | 20 |
| 020-DR01-D4-M-163 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 020-DR01-D4-M-164 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 020-DR01-D3-M-165 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 020-DR01-D3-M-166 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-DR01-D4-M-167 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 020-DR01-D4-M-168 | N/A | N/A | 24 ± 10 | 19 | 31 ± 11 | 20 |
| 020-DR01-D4-M-169 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 020-DR01-D1-M-170 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 020-DR01-D4-M-171 | N/A | N/A | 27 ± 10 | 19 | 26 ± 10 | 20 |
| 020-DR01-D4-M-172 | N/A | N/A | 11 ± 7 | 19 | 9 ± 6 | 20 |
| 020-DR01-D3-M-173 | N/A | N/A | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 020-DR01-D1-M-174 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 020-DR01-D3-M-175 | N/A | N/A | 20 ± 9 | 19 | 31 ± 11 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-DR01-D4-M-176 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-DR01-D4-M-177 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 020-DR01-D3-M-178 | N/A | N/A | 26 ± 10 | 19 | 34 ± 11 | 20 |
| 020-DR01-D1-M-179 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-DR01-D3-M-180 | N/A | N/A | 23 ± 9 | 19 | 28 ± 10 | 20 |
| 020-DR01-D3-M-181 | N/A | N/A | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 020-DR01-D3-M-182 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 020-DR01-D4-M-183 | N/A | N/A | 24 ± 10 | 19 | 29 ± 11 | 20 |
| 020-DR01-D1-M-184 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 020-DR01-D3-M-185 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 020-DR01-D1-M-186 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 020-DR01-D4-M-187 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 020-DR01-D3-M-188 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 020-DR01-D4-M-189 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 020-DR01-D1-M-190 | N/A | N/A | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 020-DR01-D4-M-191 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 020-DR01-D3-M-192 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 020-DR01-D3-M-193 | N/A | N/A | 25 ± 10 | 19 | 27 ± 10 | 20 |
| 020-DR01-D3-M-194 | N/A | N/A | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 020-DR01-D1-M-195 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 020-DR01-D3-M-196 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 020-DR01-D3-M-197 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 020-DR01-D3-M-198 | N/A | N/A | 12 ± 7 | 19 | 17 ± 8 | 20 |
| 020-DR01-D3-M-199 | N/A | N/A | 13 ± 7 | 19 | 23 ± 9 | 20 |
| 020-DR01-D2-M-200 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-DR01-D3-M-201 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 020-DR01-D3-M-202 | N/A | N/A | 51 ± 14 | 19 | 24 ± 10 | 20 |
| 020-DR01-D3-M-203 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 020-DR01-D3-M-204 | N/A | N/A | 17 ± 8 | 19 | 13 ± 7 | 20 |
| 020-DR01-D3-M-205 | N/A | N/A | 13 ± 7 | 19 | 14 ± 7 | 20 |
| 020-DR01-D1-M-206 | N/A | N/A | 11 ± 7 | 19 | 20 ± 9 | 20 |
| 020-DR01-D1-M-207 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 020-DR01-D3-M-208 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-DR01-D3-M-209 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 020-DR01-D3-M-210 | N/A | N/A | 22 ± 9 | 19 | 27 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-DR01-D3-M-211 | N/A | N/A | 26 ± 10 | 19 | 21 ± 9 | 20 |
| 020-DR01-D3-M-212 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 020-DR01-D3-M-213 | N/A | N/A | 27 ± 10 | 19 | 23 ± 9 | 20 |
| 020-DR01-D3-M-214 | N/A | N/A | **103** ± 20 | 19 | 48 ● 14 | 20 |
| 020-DR01-D3-M-215 | N/A | N/A | 31 ± 11 | 19 | 30 ± 11 | 20 |
| 020-DR01-D3-M-216 | N/A | N/A | 23 ● 9 | 19 | 18 ± 8 | 20 |
| 020-DR01-D3-M-217 | N/A | N/A | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 020-DR01-D3-M-218 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 020-DR01-D3-M-219 | N/A | N/A | 23 ± 9 | 19 | 23 ● 9 | 20 |
| 020-DR01-D3-M-220 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 020-DR01-D3-M-221 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 020-DR01-D3-M-222 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 020-DR01-D3-M-223 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 020-DR01-D3-M-224 | N/A | N/A | 19 ● 9 | 19 | 25 ± 10 | 20 |
| 020-DR01-D3-M-225 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-DR01-D3-M-226 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 020-DR01-D3-M-227 | N/A | N/A | 31 ± 11 | 19 | 17 ± 8 | 20 |
| 020-DR01-D3-M-228 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-DR01-D2-M-229 | N/A | N/A | 10 ± 6 | 19 | 15 ± 8 | 20 |
| 020-DR01-D3-M-230 | N/A | N/A | **257** ± 31 | 19 | 66 ± 16 | 20 |
| 020-DR01-D1-M-231 | N/A | N/A | 27 ± 10 | 19 | 18 ± 8 | 20 |
| 020-DR01-D3-M-232 | N/A | N/A | 19 ± 9 | 19 | 19 ● 9 | 20 |
| 020-DR01-D3-M-233 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 020-DR01-D3-M-234 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 020-DR01-D4-M-235 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 020-DR01-D3-M-236 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 020-DR01-D4-M-237 | N/A | N/A | 10 ± 6 | 19 | 14 ± 7 | 20 |
| 020-DR01-D4-M-238 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 020-DR01-D4-M-239 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 020-DR01-D3-M-240 | N/A | N/A | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 020-DR01-D3-M-241 | N/A | N/A | 35 ± 12 | 19 | 29 ± 11 | 20 |
| 020-DR01-D4-M-242 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 020-DR01-D3-M-243 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 020-DR01-D3-M-244 | N/A | N/A | **404** ± 39 | 19 | 18 ± 8 | 20 |
| 020-DR01-D4-M-245 | N/A | N/A | 24 ± 10 | 19 | 17 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-DR01-D3-M-246 | N/A | N/A | 20 ± 9 | 19 | 14 ± 7 | 20 |
| 020-DR01-D1-M-247 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 020-DR01-D4-M-248 | N/A | N/A | 26 ± 10 | 19 | 30 ± 11 | 20 |
| 020-DR01-D4-M-249 | N/A | N/A | 17 ± 8 | 19 | 20 ● 9 | 20 |
| 020-DR01-D3-M-250 | N/A | N/A | 19 ± 9 | 19 | 20 ● 9 | 20 |
| 020-DR01-D4-M-251 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 020-DR01-D4-M-252 | N/A | N/A | 16 ± 8 | 19 | 21 ● 9 | 20 |
| 020-DR01-D3-M-253 | N/A | N/A | 26 ± 10 | 19 | 21 ± 9 | 20 |
| 020-DR01-D4-M-254 | N/A | N/A | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 020-DR01-D4-M-255 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 020-DR01-D4-M-256 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-DR01-D3-M-257 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 020-DR01-D4-M-258 | N/A | N/A | 21 ± 9 | 19 | 12 ± 7 | 20 |
| 020-DR01-D3-M-259 | N/A | N/A | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 020-DR01-D2-M-260 | N/A | N/A | 17 ± 8 | 19 | 22 ● 9 | 20 |
| 020-DR01-D4-M-261 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 020-DR01-D1-M-262 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 020-DR01-D4-M-263 | N/A | N/A | 20 ± 9 | 19 | 27 ± 10 | 20 |
| 020-DR01-D1-M-264 | N/A | N/A | 35 ± 12 | 19 | 25 ± 10 | 20 |
| 020-DR01-D3-M-265 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-DR01-D4-M-266 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 020-DR01-D3-M-267 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 020-DR01-D4-M-268 | N/A | N/A | 29 ± 11 | 19 | 21 ± 9 | 20 |
| 020-DR01-D3-M-269 | N/A | N/A | 20 ± 9 | 19 | 14 ± 7 | 20 |
| 020-DR01-D4-M-270 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 020-DR01-D4-M-271 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-DR01-D2-M-272 | N/A | N/A | 11 ± 7 | 19 | 11 ● 7 | 20 |
| 020-DR01-D2-M-273 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 020-DR01-D3-M-274 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-DR01-D2-M-275 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-DR01-D4-M-276 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 020-DR01-D4-M-277 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-DR01-D4-M-278 | N/A | N/A | 10 ± 6 | 19 | 9 ± 6 | 20 |
| 020-DR01-D3-M-279 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-DR01-D1-M-280 | N/A | N/A | 26 ± 10 | 19 | 19 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-DR01-D1-M-281 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 020-DR01-D1-M-282 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 020-DR01-D1-M-283 | N/A | N/A | 21 ± 9 | 19 | 28 ± 10 | 20 |
| 020-DR01-D4-M-284 | N/A | N/A | 14 ± 7 | 19 | 23 ± 9 | 20 |
| 020-DR01-D4-M-285 | N/A | N/A | 17 ± 8 | 19 | 12 ± 7 | 20 |
| 020-DR01-D1-M-286 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 020-DR01-D3-M-287 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 020-DR01-D4-M-288 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 020-DR01-D2-M-289 | N/A | N/A | 26 ± 10 | 19 | 19 ± 9 | 20 |
| 020-DR01-D4-M-290 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 020-DR01-D3-M-291 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 020-DR01-D4-M-292 | N/A | N/A | 11 ± 7 | 19 | 16 ± 8 | 20 |
| 020-DR01-D4-M-293 | N/A | N/A | 15 ± 8 | 19 | 11 ± 7 | 20 |
| 020-DR01-D3-M-294 | N/A | N/A | **156** ± 24 | 19 | 81 ± 18 | 20 |
| 020-DR01-D4-M-295 | N/A | N/A | 21 ± 9 | 19 | 15 ± 8 | 20 |
| 020-DR01-D1-M-296 | N/A | N/A | 47 ± 13 | 19 | 36 ± 12 | 20 |
| 020-DR01-D4-M-297 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 020-DR01-D3-M-298 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 020-DR01-D1-M-299 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 020-DR01-D4-M-300 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 020-DR01-D4-M-301 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 020-DR01-D3-M-302 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 020-DR01-D4-M-303 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 020-DR01-D3-M-304 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-DR01-D4-M-305 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 020-DR01-D4-M-306 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 020-DR01-D4-M-307 | N/A | N/A | 56 ± 15 | 19 | 30 ± 11 | 20 |
| 020-DR01-D1-M-308 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 020-DR01-D3-M-309 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 020-DR01-D4-M-310 | N/A | N/A | 26 ± 10 | 19 | 32 ± 11 | 20 |
| 020-DR01-D1-M-311 | N/A | N/A | 57 ± 15 | 19 | 29 ± 11 | 20 |
| 020-DR01-D4-M-312 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 020-DR01-D4-M-313 | N/A | N/A | 10 ± 6 | 19 | 13 ± 7 | 20 |
| 020-DR01-D3-M-314 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 020-DR01-D4-M-315 | N/A | N/A | 26 ± 10 | 19 | 19 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-DR01-D4-M-316 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 020-DR01-D1-M-317 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 020-DR01-D3-M-318 | N/A | N/A | 13 ± 7 | 19 | 23 ± 9 | 20 |
| 020-DR01-D4-M-319 | N/A | N/A | 13 ± 7 | 19 | 14 ± 7 | 20 |
| 020-DR01-D3-M-320 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 020-DR01-D4-M-321 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 020-DR01-D2-M-322 | N/A | N/A | 156 ± 24 | 19 | 50 ± 14 | 20 |
| 020-DR01-D2-M-323 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 020-DR01-D2-M-324 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 020-DR01-D3-M-325 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 020-DR01-D2-M-326 | N/A | N/A | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 020-DR01-D2-M-327 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 020-DR01-D2-M-328 | N/A | N/A | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 020-DR01-D2-M-329 | N/A | N/A | 26 ± 10 | 19 | 34 ± 11 | 20 |
| 020-DR01-D2-M-330 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 020-DR01-D2-M-331 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 020-DR01-D3-M-332 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 020-DR01-D2-M-333 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 020-DR01-D3-M-334 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 020-DR01-D3-M-335 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 020-DR01-D3-M-336 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 020-DR01-D2-M-337 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 020-DR01-D2-M-338 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 020-DR01-D2-M-339 | N/A | N/A | 12 ± 7 | 19 | 23 ± 9 | 20 |
| 020-DR01-D2-M-340 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 020-DR01-D2-M-341 | N/A | N/A | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 020-DR01-D2-M-342 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 020-DR01-D2-M-343 | N/A | N/A | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 020-DR01-D2-M-344 | N/A | N/A | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 020-DR01-D2-M-345 | N/A | N/A | 16 ± 8 | 19 | 13 ± 7 | 20 |
| 020-DR01-D2-M-346 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 020-DR01-D2-M-347 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 020-DR01-D2-M-348 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 020-DR01-D2-M-349 | N/A | N/A | 16 ± 8 | 19 | 11 ± 7 | 20 |
| 020-DR01-D2-M-350 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-DR01-D3-M-351 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-DR01-D3-M-352 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-DR01-D3-M-353 | N/A | N/A | 13 ± 7 | 19 | 13 ± 7 | 20 |
| 020-DR01-D3-M-354 | N/A | N/A | 23 ± 9 | 19 | 28 ± 10 | 20 |
| 020-DR01-D3-M-355 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 020-DR01-D3-M-356 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 020-DR01-D3-M-357 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-DR01-D3-M-358 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 020-DR01-D1-M-359 | N/A | N/A | 58 ± 15 | 19 | 43 ± 13 | 20 |
| 020-DR01-D3-M-360 | N/A | N/A | 27 ± 10 | 19 | 33 ± 11 | 20 |
| 020-DR01-D3-M-361 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 020-DR01-D4-M-362 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 020-DR01-D1-M-363 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 020-DR01-D3-M-364 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 020-DR01-D2-M-365 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 020-DR01-D2-M-366 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-DR01-D2-M-367 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 020-DR01-D2-M-368 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-DR01-D2-M-369 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-DR01-D2-M-370 | N/A | N/A | 9 ± 6 | 19 | 12 ± 7 | 20 |
| 020-DR01-D2-M-371 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 020-DR01-D2-M-372 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-DR01-D2-M-373 | N/A | N/A | 9 ± 6 | 19 | 15 ± 8 | 20 |
| 020-DR01-D2-M-374 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 020-DR01-D1-M-375 | N/A | N/A | 22 ± 9 | 19 | 26 ± 10 | 20 |

Summary for Survey Unit # DR01 (375 detail records)

| | | |
|---|---|---|
| **Average** | 29 | 27 |
| **Minimum** | 9 | 9 |
| **Maximum** | 1182 | 1189 |
| **Standard Deviation** | 71 | 71 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-001 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-002 | N/A | N/A | 11 ± 7 | 19 | 11 ± 7 | 20 |
| 020-VA01-V1-M-003 | N/A | N/A | 20 ± 9 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-004 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-005 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-006 | N/A | N/A | 28 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-007 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-008 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-009 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-010 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-011 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-012 | N/A | N/A | 11 ± 7 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-013 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-014 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-015 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-016 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-017 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-018 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-019 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-020 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-021 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-022 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-023 | N/A | N/A | 8 ± 6 | 19 | 8 ± 6 | 20 |
| 020-VA01-V1-M-024 | N/A | N/A | 36 ± 12 | 19 | 34 ± 11 | 20 |
| 020-VA01-V1-M-025 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-026 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-027 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-028 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-029 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-030 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-031 | N/A | N/A | 28 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-032 | N/A | N/A | 23 ± 9 | 19 | 28 ± 10 | 20 |
| 020-VA01-V1-M-033 | N/A | N/A | 38 ± 12 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-034 | N/A | N/A | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-035 | N/A | N/A | 111 ± 21 | 19 | 64 ± 16 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-036 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-037 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-038 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-039 | N/A | N/A | 21 ± 9 | 19 | 30 ± 11 | 20 |
| 020-VA01-V1-M-040 | N/A | N/A | 20 ± 9 | 19 | 29 ± 11 | 20 |
| 020-VA01-V1-M-041 | N/A | N/A | 28 ± 10 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-042 | N/A | N/A | 11 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-043 | N/A | N/A | 18 ± 8 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-044 | N/A | N/A | 22 ± 9 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-045 | N/A | N/A | 17 ± 8 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-046 | N/A | N/A | 32 ± 11 | 19 | 30 ± 11 | 20 |
| 020-VA01-V1-M-047 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-048 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-049 | N/A | N/A | 18 ± 8 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-050 | N/A | N/A | 29 ± 11 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-051 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-052 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-053 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-054 | N/A | N/A | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-055 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-056 | N/A | N/A | 28 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-057 | N/A | N/A | 28 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-058 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-059 | N/A | N/A | 26 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-060 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-061 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-062 | N/A | N/A | 31 ± 11 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-063 | N/A | N/A | 18 ± 8 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-064 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-065 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-066 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-067 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-068 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-069 | N/A | N/A | 10 ± 6 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-070 | N/A | N/A | 23 ± 9 | 19 | 16 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-071 | N/A | N/A | 12 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-072 | N/A | N/A | 24 ± 10 | 19 | 28 ± 10 | 20 |
| 020-VA01-V1-M-073 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-074 | N/A | N/A | 26 ± 10 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-075 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-076 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-077 | N/A | N/A | 15 ± 8 | 19 | 12 ± 7 | 20 |
| 020-VA01-V1-M-078 | N/A | N/A | 23 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-079 | N/A | N/A | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-080 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-081 | N/A | N/A | 27 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-082 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-083 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-084 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-085 | N/A | N/A | 19 ± 9 | 19 | 12 ± 7 | 20 |
| 020-VA01-V1-M-086 | N/A | N/A | 26 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-087 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-088 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-089 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-090 | N/A | N/A | 11 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-091 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-092 | N/A | N/A | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-093 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-094 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-095 | N/A | N/A | **120** ± 21 | 19 | 66 ± 16 | 20 |
| 020-VA01-V1-M-096 | N/A | N/A | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-097 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-098 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-099 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-100 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-101 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-102 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-103 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-104 | N/A | N/A | 24 ± 10 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-105 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-106 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-107 | N/A | N/A | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-108 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-109 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-110 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-111 | N/A | N/A | 23 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-112 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-113 | N/A | N/A | 24 ± 10 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-114 | N/A | N/A | 23 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-115 | N/A | N/A | 12 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-116 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-117 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-118 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-119 | N/A | N/A | 17 ± 8 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-120 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-121 | N/A | N/A | 29 ± 11 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-122 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-123 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-124 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-125 | N/A | N/A | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-126 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-127 | N/A | N/A | 27 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-128 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-129 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-130 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-131 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-132 | N/A | N/A | 27 ± 10 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-133 | N/A | N/A | 31 ± 11 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-134 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-135 | N/A | N/A | 30 ± 11 | 19 | 30 ± 11 | 20 |
| 020-VA01-V1-M-136 | N/A | N/A | 21 ± 9 | 19 | 31 ± 11 | 20 |
| 020-VA01-V1-M-137 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-138 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-139 | N/A | N/A | 29 ± 11 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-140 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-141 | N/A | N/A | 30 ± 11 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-142 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-143 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-144 | N/A | N/A | 19 ± 9 | 19 | 12 ± 7 | 20 |
| 020-VA01-V1-M-145 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-146 | N/A | N/A | 36 ± 12 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-147 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-148 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-149 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-150 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-151 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-152 | N/A | N/A | 10 ± 6 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-153 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-154 | N/A | N/A | 24 ± 10 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-155 | N/A | N/A | 17 ± 8 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-156 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-157 | N/A | N/A | 19 ± 9 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-158 | N/A | N/A | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-159 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-160 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-161 | N/A | N/A | 27 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-162 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-163 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-164 | N/A | N/A | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-165 | N/A | N/A | 12 ± 7 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-166 | N/A | N/A | 15 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-167 | N/A | N/A | 15 ± 8 | 19 | 11 ± 7 | 20 |
| 020-VA01-V1-M-168 | N/A | N/A | 10 ± 6 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-169 | N/A | N/A | 24 ± 10 | 19 | 34 ± 11 | 20 |
| 020-VA01-V1-M-170 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-171 | N/A | N/A | 24 ± 10 | 19 | 28 ± 10 | 20 |
| 020-VA01-V1-M-172 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-173 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-174 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-175 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-176 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-177 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-178 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-179 | N/A | N/A | 16 ± 8 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-180 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-181 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-182 | N/A | N/A | 15 ± 8 | 19 | 12 ± 7 | 20 |
| 020-VA01-V1-M-183 | N/A | N/A | 25 ± 10 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-184 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-185 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-186 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-187 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-188 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-189 | N/A | N/A | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-190 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-191 | N/A | N/A | 22 ± 9 | 19 | 28 ± 10 | 20 |
| 020-VA01-V1-M-192 | N/A | N/A | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-193 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-194 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-195 | N/A | N/A | 25 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-196 | N/A | N/A | 16 ± 8 | 19 | 11 ± 7 | 20 |
| 020-VA01-V1-M-197 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-198 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-199 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-200 | N/A | N/A | 30 ± 11 | 19 | 29 ± 11 | 20 |
| 020-VA01-V1-M-201 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-202 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-203 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-204 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-205 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-206 | N/A | N/A | 15 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-207 | N/A | N/A | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-208 | N/A | N/A | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-209 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-210 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-211 | N/A | N/A | 23 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-212 | N/A | N/A | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-213 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-214 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-215 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-216 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-217 | N/A | N/A | 27 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-218 | N/A | N/A | 22 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-219 | N/A | N/A | 24 ± 10 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-220 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-221 | N/A | N/A | 15 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-222 | N/A | N/A | 28 ± 10 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-223 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-224 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-225 | N/A | N/A | 27 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-226 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-227 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-228 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-229 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-230 | N/A | N/A | 21 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-231 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-232 | N/A | N/A | 19 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-233 | N/A | N/A | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-234 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-235 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-236 | N/A | N/A | 13 ± 7 | 19 | 11 ± 7 | 20 |
| 020-VA01-V1-M-237 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-238 | N/A | N/A | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-239 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-240 | N/A | N/A | 12 ± 7 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-241 | N/A | N/A | 40 ± 12 | 19 | 30 ± 11 | 20 |
| 020-VA01-V1-M-242 | N/A | N/A | 27 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-243 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-244 | N/A | N/A | 16 ± 8 | 19 | 11 ± 7 | 20 |
| 020-VA01-V1-M-245 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-246 | N/A | N/A | 47 ± 13 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-247 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-248 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-249 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-250 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-251 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-252 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-253 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-254 | N/A | N/A | 14 ± 7 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-255 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-256 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-257 | N/A | N/A | 12 ± 7 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-258 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-259 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-260 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-261 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-262 | N/A | N/A | 24 ± 10 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-263 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-264 | N/A | N/A | 29 ± 11 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-265 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-266 | N/A | N/A | 30 ± 11 | 19 | 31 ± 11 | 20 |
| 020-VA01-V1-M-267 | N/A | N/A | 10 ± 6 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-268 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-269 | N/A | N/A | 25 ± 10 | 19 | 35 ± 12 | 20 |
| 020-VA01-V1-M-270 | N/A | N/A | 14 ± 7 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-271 | N/A | N/A | 21 ± 9 | 19 | 28 ± 10 | 20 |
| 020-VA01-V1-M-272 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-273 | N/A | N/A | 27 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-274 | N/A | N/A | 22 ± 9 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-275 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-276 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-277 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-278 | N/A | N/A | 11 ± 7 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-279 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-280 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-281 | N/A | N/A | 13 ± 7 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-282 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-283 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-284 | N/A | N/A | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-285 | N/A | N/A | 23 ± 9 | 19 | 38 ± 12 | 20 |
| 020-VA01-V1-M-286 | N/A | N/A | 12 ± 7 | 19 | 12 ± 7 | 20 |
| 020-VA01-V1-M-287 | N/A | N/A | 13 ± 7 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-288 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-289 | N/A | N/A | 15 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-290 | N/A | N/A | 28 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-291 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-292 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-293 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-294 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-295 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-296 | N/A | N/A | 27 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-297 | N/A | N/A | 14 ± 7 | 19 | 11 ± 7 | 20 |
| 020-VA01-V1-M-298 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-299 | N/A | N/A | 28 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-300 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-301 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-302 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-303 | N/A | N/A | 9 ± 6 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-304 | N/A | N/A | 19 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-305 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-306 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-307 | N/A | N/A | 12 ± 7 | 19 | 8 ± 6 | 20 |
| 020-VA01-V1-M-308 | N/A | N/A | 18 ± 8 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-309 | N/A | N/A | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-310 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-311 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-312 | N/A | N/A | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-313 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-314 | N/A | N/A | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-315 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-316 | N/A | N/A | 11 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-317 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-318 | N/A | N/A | 31 ± 11 | 19 | 55 ± 15 | 20 |
| 020-VA01-V1-M-319 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-320 | N/A | N/A | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-321 | N/A | N/A | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-322 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-323 | N/A | N/A | 28 ± 10 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-324 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-325 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-326 | N/A | N/A | 13 ± 7 | 19 | 11 ± 7 | 20 |
| 020-VA01-V1-M-327 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-328 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-329 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-330 | N/A | N/A | 11 ± 7 | 19 | 11 ± 7 | 20 |
| 020-VA01-V1-M-331 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-332 | N/A | N/A | 12 ± 7 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-333 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-334 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-335 | N/A | N/A | 11 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-336 | N/A | N/A | 13 ± 7 | 19 | 11 ± 7 | 20 |
| 020-VA01-V1-M-337 | N/A | N/A | 26 ± 10 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-338 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-339 | N/A | N/A | 11 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-340 | N/A | N/A | 15 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-341 | N/A | N/A | 26 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-342 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-343 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-344 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-345 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-346 | N/A | N/A | 29 ± 11 | 19 | 40 ± 12 | 20 |
| 020-VA01-V1-M-347 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-348 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-349 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-350 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-351 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-352 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-353 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-354 | N/A | N/A | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-355 | N/A | N/A | 20 ± 9 | 19 | 28 ± 10 | 20 |
| 020-VA01-V1-M-356 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-357 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-358 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-359 | N/A | N/A | 11 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-360 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-361 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-362 | N/A | N/A | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-363 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-364 | N/A | N/A | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-365 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-366 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-367 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-368 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-369 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-370 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-371 | N/A | N/A | 54 ± 14 | 19 | 29 ± 11 | 20 |
| 020-VA01-V1-M-372 | N/A | N/A | 19 ± 9 | 19 | 12 ± 7 | 20 |
| 020-VA01-V1-M-373 | N/A | N/A | **187** ± 27 | 19 | 77 ± 17 | 20 |
| 020-VA01-V1-M-374 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-375 | N/A | N/A | 26 ± 10 | 19 | 30 ± 11 | 20 |
| 020-VA01-V1-M-376 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-377 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-378 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-379 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-380 | N/A | N/A | 25 ± 10 | 19 | 28 ± 10 | 20 |
| 020-VA01-V1-M-381 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-382 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-383 | N/A | N/A | 11 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-384 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-385 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-386 | N/A | N/A | 16 ± 8 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-387 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-388 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-389 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-390 | N/A | N/A | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-391 | N/A | N/A | 11 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-392 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-393 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-394 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-395 | N/A | N/A | 10 ± 6 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-396 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-397 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-398 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-399 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-400 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-401 | N/A | N/A | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-402 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-403 | N/A | N/A | 11 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-404 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-405 | N/A | N/A | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-406 | N/A | N/A | 27 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-407 | N/A | N/A | 31 ± 11 | 19 | 29 ± 11 | 20 |
| 020-VA01-V1-M-408 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-409 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-410 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-411 | N/A | N/A | 27 ± 10 | 19 | 30 ± 11 | 20 |
| 020-VA01-V1-M-412 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-413 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-414 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-415 | N/A | N/A | 16 ± 8 | 19 | 28 ± 10 | 20 |
| 020-VA01-V1-M-416 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-417 | N/A | N/A | 27 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-418 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-419 | N/A | N/A | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-420 | N/A | N/A | 31 ± 11 | 19 | 39 ± 12 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-421 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-422 | N/A | N/A | 180 ± 26 | 19 | 73 ± 17 | 20 |
| 020-VA01-V1-M-423 | N/A | N/A | 25 ± 10 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-424 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-425 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-426 | N/A | N/A | 9 ± 6 | 19 | 12 ± 7 | 20 |
| 020-VA01-V1-M-427 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-428 | N/A | N/A | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-429 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-430 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-431 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-432 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-433 | N/A | N/A | 28 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-434 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-435 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-436 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-437 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-438 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-439 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-440 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-441 | N/A | N/A | 50 ± 14 | 19 | 31 ± 11 | 20 |
| 020-VA01-V1-M-442 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-443 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-444 | N/A | N/A | 22 ± 9 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-445 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-446 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-447 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-448 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-449 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-450 | N/A | N/A | 15 ± 8 | 19 | 11 ± 7 | 20 |
| 020-VA01-V1-M-451 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-452 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-453 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-454 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-455 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-456 | N/A | N/A | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-457 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-458 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-459 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-460 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-461 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-462 | N/A | N/A | 14 ± 7 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-463 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-464 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-465 | N/A | N/A | 24 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-466 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-467 | N/A | N/A | 19 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-468 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-469 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-470 | N/A | N/A | 28 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-471 | N/A | N/A | 29 ± 11 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-472 | N/A | N/A | 23 ± 9 | 19 | 12 ± 7 | 20 |
| 020-VA01-V1-M-473 | N/A | N/A | 23 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-474 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-475 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-476 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-477 | N/A | N/A | 28 ± 10 | 19 | 31 ± 11 | 20 |
| 020-VA01-V1-M-478 | N/A | N/A | 27 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-479 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-480 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-481 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-482 | N/A | N/A | 24 ± 10 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-483 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-484 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-485 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-486 | N/A | N/A | 15 ● 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-487 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-488 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-489 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-490 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-491 | N/A | N/A | 11 ± 7 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-492 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-493 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-494 | N/A | N/A | 8 ± 6 | 19 | 10 ± 6 | 20 |
| 020-VA01-V1-M-495 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-496 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-497 | N/A | N/A | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-498 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-499 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-500 | N/A | N/A | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-501 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-502 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-503 | N/A | N/A | 19 ± 9 | 19 | 29 ± 11 | 20 |
| 020-VA01-V1-M-504 | N/A | N/A | 25 ± 10 | 19 | 28 ± 10 | 20 |
| 020-VA01-V1-M-505 | N/A | N/A | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-506 | N/A | N/A | 12 ± 7 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-507 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-508 | N/A | N/A | 15 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-509 | N/A | N/A | 20 ± 9 | 19 | 22 ● 9 | 20 |
| 020-VA01-V1-M-510 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-511 | N/A | N/A | 24 ± 10 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-512 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-513 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-514 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-515 | N/A | N/A | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-516 | N/A | N/A | 14 ± 7 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-517 | N/A | N/A | 22 ± 9 | 19 | 28 ± 10 | 20 |
| 020-VA01-V1-M-518 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-519 | N/A | N/A | 10 ± 6 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-520 | N/A | N/A | 18 ± 8 | 19 | 12 ± 7 | 20 |
| 020-VA01-V1-M-521 | N/A | N/A | 23 ± 9 | 19 | 21 ● 9 | 20 |
| 020-VA01-V1-M-522 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-523 | N/A | N/A | 25 ± 10 | 19 | 22 ● 9 | 20 |
| 020-VA01-V1-M-524 | N/A | N/A | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-525 | N/A | N/A | 21 ± 9 | 19 | 14 ± 7 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-526 | N/A | N/A | 14 ± 7 | 19 | 11 ± 7 | 20 |
| 020-VA01-V1-M-527 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-528 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-529 | N/A | N/A | 15 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-530 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-531 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-532 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-533 | N/A | N/A | 10 ± 6 | 19 | 11 ± 7 | 20 |
| 020-VA01-V1-M-534 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-535 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-536 | N/A | N/A | 11 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-537 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-538 | N/A | N/A | 24 ± 10 | 19 | 32 ± 11 | 20 |
| 020-VA01-V1-M-539 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-540 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-541 | N/A | N/A | 28 ± 10 | 19 | 35 ± 12 | 20 |
| 020-VA01-V1-M-542 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-543 | N/A | N/A | 27 ± 10 | 19 | 33 ± 11 | 20 |
| 020-VA01-V1-M-544 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-545 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-546 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-547 | N/A | N/A | 21 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-548 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-549 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-550 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-551 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-552 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-553 | N/A | N/A | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-554 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-555 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-556 | N/A | N/A | 25 ± 10 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-557 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-558 | N/A | N/A | 11 ± 7 | 19 | 11 ± 7 | 20 |
| 020-VA01-V1-M-559 | N/A | N/A | 11 ± 7 | 19 | 12 ± 7 | 20 |
| 020-VA01-V1-M-560 | N/A | N/A | 15 ± 8 | 19 | 25 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-561 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-562 | N/A | N/A | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-563 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-564 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-565 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-566 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-567 | N/A | N/A | 14 ± 7 | 19 | 11 ± 7 | 20 |
| 020-VA01-V1-M-568 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-569 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-570 | N/A | N/A | 12 ± 7 | 19 | 12 ± 7 | 20 |
| 020-VA01-V1-M-571 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-572 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-573 | N/A | N/A | 25 ± 10 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-574 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-575 | N/A | N/A | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-576 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-577 | N/A | N/A | 22 ± 9 | 19 | 28 ± 10 | 20 |
| 020-VA01-V1-M-578 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-579 | N/A | N/A | 9 ± 6 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-580 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-581 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-582 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-583 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-584 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-585 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-586 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-587 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-588 | N/A | N/A | 12 ± 7 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-589 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-590 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-591 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-592 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-593 | N/A | N/A | 27 ± 10 | 19 | 28 ± 10 | 20 |
| 020-VA01-V1-M-594 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-595 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-596 | N/A | N/A | 17 ± 8 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-597 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-598 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-599 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-600 | N/A | N/A | 19 ± 9 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-601 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-602 | N/A | N/A | 73 ± 17 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-603 | N/A | N/A | 33 ± 11 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-604 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-605 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-606 | N/A | N/A | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-607 | N/A | N/A | 9 ± 6 | 19 | 12 ± 7 | 20 |
| 020-VA01-V1-M-608 | N/A | N/A | 29 ± 11 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-609 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-610 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-611 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-612 | N/A | N/A | **153** ± 24 | 19 | 75 ± 17 | 20 |
| 020-VA01-V1-M-613 | N/A | N/A | **132** ± 23 | 19 | 72 ± 17 | 20 |
| 020-VA01-V1-M-614 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-615 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-616 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-617 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-618 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-619 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-620 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-621 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-622 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-623 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-624 | N/A | N/A | 21 ± 9 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-625 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-626 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-627 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-628 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-629 | N/A | N/A | 25 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-630 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-631 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-632 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-633 | N/A | N/A | 23 ± 9 | 19 | 30 ± 11 | 20 |
| 020-VA01-V1-M-634 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-635 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-636 | N/A | N/A | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-637 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-638 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-639 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-640 | N/A | N/A | 24 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-641 | N/A | N/A | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-642 | N/A | N/A | **102** ± 20 | 19 | 55 ± 15 | 20 |
| 020-VA01-V1-M-643 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-644 | N/A | N/A | 24 ± 10 | 19 | 29 ± 11 | 20 |
| 020-VA01-V1-M-645 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-646 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-647 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-648 | N/A | N/A | 47 ± 13 | 19 | 33 ± 11 | 20 |
| 020-VA01-V1-M-649 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-650 | N/A | N/A | 12 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-651 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-652 | N/A | N/A | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-653 | N/A | N/A | 26 ± 10 | 19 | 30 ± 11 | 20 |
| 020-VA01-V1-M-654 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-655 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-656 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-657 | N/A | N/A | 28 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-658 | N/A | N/A | 16 ± 8 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-659 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-660 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-661 | N/A | N/A | 28 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-662 | N/A | N/A | 19 ± 9 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-663 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-664 | N/A | N/A | 12 ± 7 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-665 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-666 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-667 | N/A | N/A | 27 ± 10 | 19 | 28 ± 10 | 20 |
| 020-VA01-V1-M-668 | N/A | N/A | 17 ± 8 | 19 | 21 ● 9 | 20 |
| 020-VA01-V1-M-669 | N/A | N/A | 23 ± 9 | 19 | 22 ● 9 | 20 |
| 020-VA01-V1-M-670 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-671 | N/A | N/A | 23 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-672 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-673 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-674 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-675 | N/A | N/A | 18 ± 8 | 19 | 12 ± 7 | 20 |
| 020-VA01-V1-M-676 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-677 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-678 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-679 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-680 | N/A | N/A | 23 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-681 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-682 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-683 | N/A | N/A | 15 ± 8 | 19 | 20 ● 9 | 20 |
| 020-VA01-V1-M-684 | N/A | N/A | 22 ± 9 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-685 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-686 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-687 | N/A | N/A | 89 ± 18 | 19 | 129 ± 22 | 20 |
| 020-VA01-V1-M-688 | N/A | N/A | 24 ± 10 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-689 | N/A | N/A | 22 ± 9 | 19 | 34 ± 11 | 20 |
| 020-VA01-V1-M-690 | N/A | N/A | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-691 | N/A | N/A | 19 ● 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-692 | N/A | N/A | 41 ± 13 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-693 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-694 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-695 | N/A | N/A | 17 ± 8 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-696 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-697 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-698 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-699 | N/A | N/A | 18 ± 8 | 19 | 12 ± 7 | 20 |
| 020-VA01-V1-M-700 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-701 | N/A | N/A | 21 ± 9 | 19 | 22 ● 9 | 20 |
| 020-VA01-V1-M-702 | N/A | N/A | 12 ± 7 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-703 | N/A | N/A | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-704 | N/A | N/A | 15 ● 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-705 | N/A | N/A | 18 ● 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-706 | N/A | N/A | 26 ± 10 | 19 | 28 ± 10 | 20 |
| 020-VA01-V1-M-707 | N/A | N/A | 26 ± 10 | 19 | 27 ● 10 | 20 |
| 020-VA01-V1-M-708 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-709 | N/A | N/A | 22 ± 9 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-710 | N/A | N/A | 29 ± 11 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-711 | N/A | N/A | 24 ● 10 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-712 | N/A | N/A | 18 ± 8 | 19 | 16 ● 8 | 20 |
| 020-VA01-V1-M-713 | N/A | N/A | 20 ● 9 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-714 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-715 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-716 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-717 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-718 | N/A | N/A | 28 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-719 | N/A | N/A | 24 ● 10 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-720 | N/A | N/A | 26 ± 10 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-721 | N/A | N/A | 19 ± 9 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-722 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-723 | N/A | N/A | 19 ± 9 | 19 | 18 ● 8 | 20 |
| 020-VA01-V1-M-724 | N/A | N/A | 40 ± 12 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-725 | N/A | N/A | 28 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-726 | N/A | N/A | 17 ± 8 | 19 | 9 ± 6 | 20 |
| 020-VA01-V1-M-727 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-728 | N/A | N/A | 23 ± 9 | 19 | 20 ● 9 | 20 |
| 020-VA01-V1-M-729 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-730 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-731 | N/A | N/A | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-732 | N/A | N/A | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-733 | N/A | N/A | 18 ● 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-734 | N/A | N/A | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-735 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-736 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-737 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-738 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-739 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-740 | N/A | N/A | 14 ± 7 | 19 | 15 ● 8 | 20 |
| 020-VA01-V1-M-741 | N/A | N/A | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-742 | N/A | N/A | 23 ± 9 | 19 | 17 ● 8 | 20 |
| 020-VA01-V1-M-743 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-744 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-745 | N/A | N/A | 28 ● 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-746 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-747 | N/A | N/A | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-748 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-749 | N/A | N/A | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-750 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-751 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-752 | N/A | N/A | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-753 | N/A | N/A | 20 ● 9 | 19 | 18 ● 8 | 20 |
| 020-VA01-V1-M-754 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-755 | N/A | N/A | 16 ± 8 | 19 | 9 ± 6 | 20 |
| 020-VA01-V1-M-756 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-757 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-758 | N/A | N/A | 19 ● 9 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-759 | N/A | N/A | 11 ± 7 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-760 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-761 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-762 | N/A | N/A | 18 ● 8 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-763 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-764 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-765 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-766 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-767 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-768 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-769 | N/A | N/A | 11 ± 7 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-770 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-771 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-772 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-773 | N/A | N/A | 12 ± 7 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-774 | N/A | N/A | 22 ± 9 | 19 | 29 ± 11 | 20 |
| 020-VA01-V1-M-775 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-776 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-777 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-778 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-779 | N/A | N/A | 26 ± 10 | 19 | 28 ± 10 | 20 |
| 020-VA01-V1-M-780 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-781 | N/A | N/A | 14 ± 7 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-782 | N/A | N/A | 23 ± 9 | 19 | 29 ± 11 | 20 |
| 020-VA01-V1-M-783 | N/A | N/A | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-784 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-785 | N/A | N/A | 29 ± 11 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-786 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-787 | N/A | N/A | 46 ± 13 | 19 | 35 ± 12 | 20 |
| 020-VA01-V1-M-788 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-789 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-790 | N/A | N/A | 27 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-791 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-792 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-793 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-794 | N/A | N/A | 27 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-795 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-796 | N/A | N/A | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-797 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-798 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-799 | N/A | N/A | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-800 | N/A | N/A | 20 ± 9 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-801 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-802 | N/A | N/A | 25 ± 10 | 19 | 32 ± 11 | 20 |
| 020-VA01-V1-M-803 | N/A | N/A | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-804 | N/A | N/A | 12 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-805 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |

Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-806 | N/A | N/A | 24 ± 10 | 19 | 30 ± 11 | 20 |
| 020-VA01-V1-M-807 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-808 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-809 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-810 | N/A | N/A | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-811 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-812 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-813 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-814 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-815 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-816 | N/A | N/A | 11 ± 7 | 19 | 13 ± 7 | 20 |
| 020-VA01-V1-M-817 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-818 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-819 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-820 | N/A | N/A | 20 ● 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-821 | N/A | N/A | 10 ± 6 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-822 | N/A | N/A | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-823 | N/A | N/A | 15 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-824 | N/A | N/A | 25 ± 10 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-825 | N/A | N/A | 11 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-826 | N/A | N/A | 11 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-827 | N/A | N/A | 13 ± 7 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-828 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-829 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-830 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-831 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-832 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-833 | N/A | N/A | 19 ± 9 | 19 | 27 ± 10 | 20 |
| 020-VA01-V1-M-834 | N/A | N/A | 12 ± 7 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-835 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VA01-V1-M-836 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-837 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-838 | N/A | N/A | 10 ± 6 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-839 | N/A | N/A | 11 ± 7 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-840 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-841 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-842 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-843 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-844 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-845 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-846 | N/A | N/A | 18 ± 8 | 19 | 17 ● 8 | 20 |
| 020-VA01-V1-M-847 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-848 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-849 | N/A | N/A | 21 ± 9 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-850 | N/A | N/A | 10 ± 6 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-851 | N/A | N/A | 11 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-852 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-853 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-854 | N/A | N/A | 21 ± 9 | 19 | 22 ● 9 | 20 |
| 020-VA01-V1-M-855 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-856 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-857 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-858 | N/A | N/A | 9 ± 6 | 19 | 14 ± 7 | 20 |
| 020-VA01-V1-M-859 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-860 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-861 | N/A | N/A | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-862 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-863 | N/A | N/A | 12 ± 7 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-864 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-865 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-866 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-867 | N/A | N/A | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-868 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-869 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-870 | N/A | N/A | 20 ± 9 | 19 | 17 ● 8 | 20 |
| 020-VA01-V1-M-871 | N/A | N/A | 11 ± 7 | 19 | 22 ● 9 | 20 |
| 020-VA01-V1-M-872 | N/A | N/A | 27 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-873 | N/A | N/A | 19 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VA01-V1-M-874 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-875 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VA01-V1-M-876 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-877 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-878 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VA01-V1-M-879 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-880 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-881 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-882 | N/A | N/A | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VA01-V1-M-883 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-884 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VA01-V1-M-885 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-886 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VA01-V1-M-887 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-888 | N/A | N/A | 26 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VA01-V1-M-889 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VA01-V1-M-890 | N/A | N/A | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-891 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VA01-V1-M-892 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VA01-V1-M-893 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VA01-V1-M-894 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VA01-V1-M-895 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VA01-V2-M-896 | N/A | N/A | 30 ± 11 | 19 | 20 ± 9 | 20 |
| 020-VA01-V2-M-897 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VA01-V2-M-898 | N/A | N/A | 10 ± 6 | 19 | 16 ± 8 | 20 |

Summary for Survey Unit # VA01 (898 detail records)

| | | |
|---|---|---|
| **Average** | 20 | 21 |
| **Minimum** | 8 | 8 |
| **Maximum** | 187 | 129 |
| **Standard Deviation** | 13 | 7 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-001 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-002 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-003 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-004 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-005 | N/A | N/A | 13 ± 7 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-006 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-007 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-008 | N/A | N/A | 15 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-009 | N/A | N/A | 22 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-010 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-011 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-012 | N/A | N/A | 21 ± 9 | 19 | 31 ± 11 | 20 |
| 020-VE01-V2-M-013 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-014 | N/A | N/A | 21 ± 9 | 19 | 28 ± 10 | 20 |
| 020-VE01-V2-M-015 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-016 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-017 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-018 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-019 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-020 | N/A | N/A | 10 ± 6 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-021 | N/A | N/A | 13 ± 7 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-022 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-023 | N/A | N/A | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-024 | N/A | N/A | 13 ± 7 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-025 | N/A | N/A | 14 ± 7 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-026 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-027 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-028 | N/A | N/A | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-029 | N/A | N/A | 25 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-030 | N/A | N/A | 15 ± 8 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-031 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-032 | N/A | N/A | 14 ± 7 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-033 | N/A | N/A | 9 ± 6 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-034 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-035 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |

Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-036 | N/A | N/A | 20 ± 9 | 19 | 28 ± 10 | 20 |
| 020-VE01-V2-M-037 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-038 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-039 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-040 | N/A | N/A | 10 ± 6 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-041 | N/A | N/A | 20 ± 9 | 19 | 29 ± 11 | 20 |
| 020-VE01-V2-M-042 | N/A | N/A | 15 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-043 | N/A | N/A | 9 ± 6 | 19 | 12 ± 7 | 20 |
| 020-VE01-V2-M-044 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-045 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-046 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-047 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-048 | N/A | N/A | 11 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-049 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-050 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-051 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-052 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-053 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-054 | N/A | N/A | 20 ± 9 | 19 | 28 ± 10 | 20 |
| 020-VE01-V2-M-055 | N/A | N/A | 12 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-056 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-057 | N/A | N/A | 11 ± 7 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-058 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-059 | N/A | N/A | 25 ± 10 | 19 | 31 ± 11 | 20 |
| 020-VE01-V2-M-060 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-061 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-062 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-063 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-064 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-065 | N/A | N/A | 19 ± 9 | 19 | 8 ± 6 | 20 |
| 020-VE01-V2-M-066 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-067 | N/A | N/A | 11 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-068 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-069 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-070 | N/A | N/A | 9 ± 6 | 19 | 15 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-071 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-072 | N/A | N/A | 12 ± 7 | 19 | 22 ± 9 | 20 |
| 020-VE01-V1-M-073 | N/A | N/A | 33 ± 11 | 19 | 31 ± 11 | 20 |
| 020-VE01-V2-M-074 | N/A | N/A | 24 ± 10 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-075 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-076 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V1-M-077 | N/A | N/A | 28 ± 10 | 19 | 35 ± 12 | 20 |
| 020-VE01-V2-M-078 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-079 | N/A | N/A | 17 ± 8 | 19 | 32 ± 11 | 20 |
| 020-VE01-V2-M-080 | N/A | N/A | 12 ± 7 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-081 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-082 | N/A | N/A | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-083 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V1-M-084 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-085 | N/A | N/A | 22 ± 9 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-086 | N/A | N/A | 24 ± 10 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-087 | N/A | N/A | 16 ± 8 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-088 | N/A | N/A | 23 ± 9 | 19 | 35 ± 12 | 20 |
| 020-VE01-V2-M-089 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-090 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-091 | N/A | N/A | 28 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-092 | N/A | N/A | 27 ± 10 | 19 | 30 ± 11 | 20 |
| 020-VE01-V2-M-093 | N/A | N/A | 54 ± 14 | 19 | 72 ± 17 | 20 |
| 020-VE01-V1-M-094 | N/A | N/A | 14 ± 7 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-095 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-096 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-097 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-098 | N/A | N/A | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-099 | N/A | N/A | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-100 | N/A | N/A | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-101 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-102 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-103 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-104 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-105 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V1-M-106 | N/A | N/A | 23 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-107 | N/A | N/A | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-108 | N/A | N/A | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VE01-V1-M-109 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-110 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-111 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-112 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-113 | N/A | N/A | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-114 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-115 | N/A | N/A | 26 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-116 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-117 | N/A | N/A | 28 ± 10 | 19 | 30 ± 11 | 20 |
| 020-VE01-V2-M-118 | N/A | N/A | 16 ± 8 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-119 | N/A | N/A | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-120 | N/A | N/A | 9 ± 6 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-121 | N/A | N/A | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-122 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-123 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-124 | N/A | N/A | 23 ± 9 | 19 | 31 ± 11 | 20 |
| 020-VE01-V1-M-125 | N/A | N/A | 26 ± 10 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-126 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VE01-V1-M-127 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-128 | N/A | N/A | 25 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-129 | N/A | N/A | 23 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-130 | N/A | N/A | 23 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-131 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-132 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-133 | N/A | N/A | 25 ± 10 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-134 | N/A | N/A | 17 ± 8 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-135 | N/A | N/A | 28 ± 10 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-136 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-137 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-138 | N/A | N/A | 23 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-139 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-140 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-141 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-142 | N/A | N/A | 23 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-143 | N/A | N/A | 23 ● 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-144 | N/A | N/A | 13 ● 7 | 19 | 21 ● 9 | 20 |
| 020-VE01-V2-M-145 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-146 | N/A | N/A | 25 ± 10 | 19 | 24 ● 10 | 20 |
| 020-VE01-V2-M-147 | N/A | N/A | 18 ● 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-148 | N/A | N/A | 25 ± 10 | 19 | 22 ● 9 | 20 |
| 020-VE01-V2-M-149 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-150 | N/A | N/A | 23 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-151 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-152 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VE01-V1-M-153 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-154 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-155 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V1-M-156 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-157 | N/A | N/A | 32 ± 11 | 19 | 31 ± 11 | 20 |
| 020-VE01-V2-M-158 | N/A | N/A | 15 ● 8 | 19 | 17 ± 8 | 20 |
| 020-VE01-V1-M-159 | N/A | N/A | 29 ± 11 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-160 | N/A | N/A | 27 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-161 | N/A | N/A | 13 ± 7 | 19 | 11 ± 7 | 20 |
| 020-VE01-V2-M-162 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-163 | N/A | N/A | 22 ± 9 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-164 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-165 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-166 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-167 | N/A | N/A | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-168 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-169 | N/A | N/A | 22 ± 9 | 19 | 13 ± 7 | 20 |
| 020-VE01-V1-M-170 | N/A | N/A | 20 ± 9 | 19 | 18 ● 8 | 20 |
| 020-VE01-V1-M-171 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VE01-V1-M-172 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V1-M-173 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-174 | N/A | N/A | 33 ± 11 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-175 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-176 | N/A | N/A | 22 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-177 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-178 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-179 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-180 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-181 | N/A | N/A | 9 ± 6 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-182 | N/A | N/A | 24 ± 10 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-183 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-184 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-185 | N/A | N/A | 19 ± 9 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-186 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-187 | N/A | N/A | 26 ± 10 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-188 | N/A | N/A | 25 ± 10 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-189 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-190 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-191 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-192 | N/A | N/A | 36 ± 12 | 19 | 28 ± 10 | 20 |
| 020-VE01-V2-M-193 | N/A | N/A | 22 ± 9 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-194 | N/A | N/A | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-195 | N/A | N/A | 29 ± 11 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-196 | N/A | N/A | 23 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-197 | N/A | N/A | 19 ± 9 | 19 | 29 ± 11 | 20 |
| 020-VE01-V2-M-198 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-199 | N/A | N/A | 25 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-200 | N/A | N/A | 9 ± 6 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-201 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-202 | N/A | N/A | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-203 | N/A | N/A | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-204 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-205 | N/A | N/A | 21 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-206 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-207 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-208 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-209 | N/A | N/A | 26 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-210 | N/A | N/A | 29 ± 11 | 19 | 22 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-211 | N/A | N/A | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-212 | N/A | N/A | 13 ± 7 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-213 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-214 | N/A | N/A | 30 ± 11 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-215 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-216 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-217 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-218 | N/A | N/A | 20 ± 9 | 19 | 12 ± 7 | 20 |
| 020-VE01-V2-M-219 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-220 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-221 | N/A | N/A | 11 ± 7 | 19 | 12 ± 7 | 20 |
| 020-VE01-V2-M-222 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-223 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-224 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-225 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-226 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-227 | N/A | N/A | 17 ± 8 | 19 | 11 ± 7 | 20 |
| 020-VE01-V2-M-228 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-229 | N/A | N/A | 31 ± 11 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-230 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-231 | N/A | N/A | 27 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-232 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-233 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-234 | N/A | N/A | 28 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-235 | N/A | N/A | 12 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-236 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-237 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-238 | N/A | N/A | 17 ± 8 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-239 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-240 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-241 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-242 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-243 | N/A | N/A | 25 ± 10 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-244 | N/A | N/A | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-245 | N/A | N/A | 166 ± 25 | 19 | 152 ± 24 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-246 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-247 | N/A | N/A | 12 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-248 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-249 | N/A | N/A | 27 ± 10 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-250 | N/A | N/A | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-251 | N/A | N/A | 24 ± 10 | 19 | 34 ± 11 | 20 |
| 020-VE01-V2-M-252 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-253 | N/A | N/A | 25 ± 10 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-254 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-255 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-256 | N/A | N/A | 15 ± 8 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-257 | N/A | N/A | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-258 | N/A | N/A | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-259 | N/A | N/A | 26 ± 10 | 19 | 35 ± 12 | 20 |
| 020-VE01-V2-M-260 | N/A | N/A | 26 ± 10 | 19 | 31 ± 11 | 20 |
| 020-VE01-V2-M-261 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-262 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-263 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-264 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-265 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-266 | N/A | N/A | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-267 | N/A | N/A | 29 ± 11 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-268 | N/A | N/A | 10 ± 6 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-269 | N/A | N/A | 15 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-270 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-271 | N/A | N/A | 27 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-272 | N/A | N/A | 28 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-273 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-274 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-275 | N/A | N/A | 11 ± 7 | 19 | 11 ± 7 | 20 |
| 020-VE01-V2-M-276 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-277 | N/A | N/A | 9 ± 6 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-278 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-279 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-280 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |

Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-281 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-282 | N/A | N/A | 27 ± 10 | 19 | 28 ± 10 | 20 |
| 020-VE01-V2-M-283 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-284 | N/A | N/A | 27 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-285 | N/A | N/A | 25 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-286 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-287 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-288 | N/A | N/A | 12 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-289 | N/A | N/A | 15 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-290 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-291 | N/A | N/A | 11 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-292 | N/A | N/A | 25 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-293 | N/A | N/A | 26 ± 10 | 19 | 28 ± 10 | 20 |
| 020-VE01-V2-M-294 | N/A | N/A | 15 ± 8 | 19 | 12 ± 7 | 20 |
| 020-VE01-V2-M-295 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-296 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-297 | N/A | N/A | 33 ± 11 | 19 | 29 ± 11 | 20 |
| 020-VE01-V2-M-298 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-299 | N/A | N/A | 27 ± 10 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-300 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-301 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-302 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-303 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-304 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-305 | N/A | N/A | 24 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-306 | N/A | N/A | 21 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-307 | N/A | N/A | 23 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-308 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-309 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-310 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-311 | N/A | N/A | 14 ± 7 | 19 | 12 ± 7 | 20 |
| 020-VE01-V2-M-312 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-313 | N/A | N/A | 24 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-314 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-315 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-316 | N/A | N/A | 16 ± 8 | 19 | 8 ± 6 | 20 |
| 020-VE01-V2-M-317 | N/A | N/A | 11 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-318 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-319 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-320 | N/A | N/A | 16 ± 8 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-321 | N/A | N/A | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-322 | N/A | N/A | 16 ± 8 | 19 | 12 ± 7 | 20 |
| 020-VE01-V2-M-323 | N/A | N/A | 27 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-324 | N/A | N/A | 21 ± 9 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-325 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-326 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-327 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-328 | N/A | N/A | 19 ± 9 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-329 | N/A | N/A | 26 ± 10 | 19 | 29 ± 11 | 20 |
| 020-VE01-V2-M-330 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-331 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-332 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-333 | N/A | N/A | 26 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-334 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-335 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-336 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-337 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-338 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-339 | N/A | N/A | 22 ± 9 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-340 | N/A | N/A | 10 ± 6 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-341 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-342 | N/A | N/A | 19 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-343 | N/A | N/A | 23 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-344 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-345 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-346 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-347 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-348 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-349 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-350 | N/A | N/A | 16 ± 8 | 19 | 12 ± 7 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-351 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-352 | N/A | N/A | 13 ± 7 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-353 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-354 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-355 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-356 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-357 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-358 | N/A | N/A | 12 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-359 | N/A | N/A | 23 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-360 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-361 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-362 | N/A | N/A | 29 ± 11 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-363 | N/A | N/A | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-364 | N/A | N/A | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-365 | N/A | N/A | 12 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-366 | N/A | N/A | 11 ± 7 | 19 | 12 ± 7 | 20 |
| 020-VE01-V2-M-367 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-368 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-369 | N/A | N/A | 30 ± 11 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-370 | N/A | N/A | 24 ± 10 | 19 | 28 ± 10 | 20 |
| 020-VE01-V2-M-371 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-372 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-373 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-374 | N/A | N/A | 13 ± 7 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-375 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-376 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-377 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-378 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-379 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-380 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-381 | N/A | N/A | 15 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-382 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-383 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-384 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-385 | N/A | N/A | 12 ± 7 | 19 | 14 ± 7 | 20 |

Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-386 | N/A | N/A | 30 ± 11 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-387 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-388 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-389 | N/A | N/A | 15 ± 8 | 19 | 12 ± 7 | 20 |
| 020-VE01-V2-M-390 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-391 | N/A | N/A | 29 ± 11 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-392 | N/A | N/A | 16 ± 8 | 19 | 11 ± 7 | 20 |
| 020-VE01-V2-M-393 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-394 | N/A | N/A | 22 ± 9 | 19 | 29 ± 11 | 20 |
| 020-VE01-V2-M-395 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-396 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-397 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-398 | N/A | N/A | 18 ± 8 | 19 | 11 ± 7 | 20 |
| 020-VE01-V2-M-399 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-400 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-401 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-402 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-403 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-404 | N/A | N/A | 15 ± 8 | 19 | 10 ± 6 | 20 |
| 020-VE01-V2-M-405 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-406 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-407 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-408 | N/A | N/A | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-409 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-410 | N/A | N/A | 23 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-411 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-412 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-413 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-414 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-415 | N/A | N/A | 15 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-416 | N/A | N/A | 12 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-417 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-418 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-419 | N/A | N/A | 27 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-420 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-421 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-422 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-423 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-424 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-425 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-426 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-427 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-428 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-429 | N/A | N/A | 29 ± 11 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-430 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-431 | N/A | N/A | 14 ± 7 | 19 | 12 ± 7 | 20 |
| 020-VE01-V2-M-432 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-433 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-434 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-435 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-436 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-437 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-438 | N/A | N/A | 28 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-439 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-440 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-441 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-442 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-443 | N/A | N/A | 18 ± 8 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-444 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-445 | N/A | N/A | 21 ± 9 | 19 | 28 ± 10 | 20 |
| 020-VE01-V2-M-446 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-447 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-448 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-449 | N/A | N/A | 13 ± 7 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-450 | N/A | N/A | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-451 | N/A | N/A | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-452 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-453 | N/A | N/A | 27 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-454 | N/A | N/A | 20 ± 9 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-455 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-456 | N/A | N/A | 29 ± 11 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-457 | N/A | N/A | 26 ± 10 | 19 | 30 ± 11 | 20 |
| 020-VE01-V2-M-458 | N/A | N/A | 27 ± 10 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-459 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-460 | N/A | N/A | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-461 | N/A | N/A | 13 ± 7 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-462 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-463 | N/A | N/A | 24 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-464 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-465 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-466 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-467 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-468 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-469 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-470 | N/A | N/A | 12 ± 7 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-471 | N/A | N/A | 26 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-472 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-473 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-474 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-475 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-476 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-477 | N/A | N/A | 23 ± 9 | 19 | 30 ± 11 | 20 |
| 020-VE01-V2-M-478 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-479 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-480 | N/A | N/A | 24 ± 10 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-481 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-482 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-483 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-484 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-485 | N/A | N/A | 16 ± 8 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-486 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-487 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-488 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-489 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-490 | N/A | N/A | 22 ± 9 | 19 | 15 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-491 | N/A | N/A | 27 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-492 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-493 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-494 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-495 | N/A | N/A | 19 ± 9 | 19 | 29 ± 11 | 20 |
| 020-VE01-V2-M-496 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-497 | N/A | N/A | 23 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-498 | N/A | N/A | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-499 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-500 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-501 | N/A | N/A | 12 ± 7 | 19 | 12 ± 7 | 20 |
| 020-VE01-V2-M-502 | N/A | N/A | 19 ± 9 | 19 | 28 ± 10 | 20 |
| 020-VE01-V2-M-503 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-504 | N/A | N/A | 10 ± 6 | 19 | 12 ± 7 | 20 |
| 020-VE01-V2-M-505 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-506 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-507 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-508 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-509 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-510 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-511 | N/A | N/A | 17 ± 8 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-512 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-513 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-514 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-515 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-516 | N/A | N/A | 27 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-517 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-518 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-519 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-520 | N/A | N/A | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-521 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-522 | N/A | N/A | 26 ± 10 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-523 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-524 | N/A | N/A | 23 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-525 | N/A | N/A | 31 ± 11 | 19 | 27 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-526 | N/A | N/A | 10 ± 6 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-527 | N/A | N/A | 22 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-528 | N/A | N/A | 22 ± 9 | 19 | 28 ± 10 | 20 |
| 020-VE01-V2-M-529 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-530 | N/A | N/A | 17 ± 8 | 19 | 12 ± 7 | 20 |
| 020-VE01-V2-M-531 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-532 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-533 | N/A | N/A | 10 ± 6 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-534 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-535 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-536 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-537 | N/A | N/A | 12 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-538 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-539 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-540 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-541 | N/A | N/A | 14 ± 7 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-542 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-543 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-544 | N/A | N/A | 24 ± 10 | 19 | 28 ± 10 | 20 |
| 020-VE01-V2-M-545 | N/A | N/A | 15 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-546 | N/A | N/A | 14 ± 7 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-547 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-548 | N/A | N/A | 24 ± 10 | 19 | 12 ± 7 | 20 |
| 020-VE01-V2-M-549 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-550 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-551 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-552 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-553 | N/A | N/A | 11 ± 7 | 19 | 11 ± 7 | 20 |
| 020-VE01-V2-M-554 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-555 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-556 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-557 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-558 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-559 | N/A | N/A | 19 ± 9 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-560 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-561 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-562 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-563 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-564 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-565 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-566 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-567 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-568 | N/A | N/A | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-569 | N/A | N/A | 21 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-570 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-571 | N/A | N/A | 25 ± 10 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-572 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-573 | N/A | N/A | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-574 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-575 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-576 | N/A | N/A | 25 ± 10 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-577 | N/A | N/A | 32 ± 11 | 19 | 29 ± 11 | 20 |
| 020-VE01-V2-M-578 | N/A | N/A | 20 ± 9 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-579 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-580 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-581 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-582 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-583 | N/A | N/A | 26 ± 10 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-584 | N/A | N/A | 14 ± 7 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-585 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-586 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-587 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-588 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-589 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-590 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-591 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-592 | N/A | N/A | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-593 | N/A | N/A | 38 ± 12 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-594 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-595 | N/A | N/A | 24 ± 10 | 19 | 14 ± 7 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-596 | N/A | N/A | 23 ± 9 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-597 | N/A | N/A | 30 ± 11 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-598 | N/A | N/A | 31 ± 11 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-599 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-600 | N/A | N/A | 33 ± 11 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-601 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-602 | N/A | N/A | 27 ± 10 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-603 | N/A | N/A | 38 ± 12 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-604 | N/A | N/A | 35 ± 12 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-605 | N/A | N/A | 29 ± 11 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-606 | N/A | N/A | 30 ± 11 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-607 | N/A | N/A | 27 ± 10 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-608 | N/A | N/A | 31 ± 11 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-609 | N/A | N/A | 29 ± 11 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-610 | N/A | N/A | 32 ± 11 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-611 | N/A | N/A | 32 ± 11 | 19 | 29 ± 11 | 20 |
| 020-VE01-V2-M-612 | N/A | N/A | 39 ± 12 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-613 | N/A | N/A | 28 ± 10 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-614 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-615 | N/A | N/A | 29 ± 11 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-616 | N/A | N/A | 31 ± 11 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-617 | N/A | N/A | 41 ± 13 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-618 | N/A | N/A | 25 ± 10 | 19 | 30 ± 11 | 20 |
| 020-VE01-V2-M-619 | N/A | N/A | 31 ± 11 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-620 | N/A | N/A | 35 ± 12 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-621 | N/A | N/A | 29 ± 11 | 19 | 9 ± 6 | 20 |
| 020-VE01-V2-M-622 | N/A | N/A | 35 ± 12 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-623 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-624 | N/A | N/A | 34 ± 11 | 19 | 12 ± 7 | 20 |
| 020-VE01-V2-M-625 | N/A | N/A | 17 ± 8 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-626 | N/A | N/A | 29 ± 11 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-627 | N/A | N/A | 33 ± 11 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-628 | N/A | N/A | 38 ± 12 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-629 | N/A | N/A | 20 ± 9 | 19 | 14 ± 7 | 20 |
| 020-VE01-V2-M-630 | N/A | N/A | 42 ± 13 | 19 | 21 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-631 | N/A | N/A | 26 ± 10 | 19 | 10 ± 6 | 20 |
| 020-VE01-V2-M-632 | N/A | N/A | 34 ± 11 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-633 | N/A | N/A | 39 ± 12 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-634 | N/A | N/A | 48 ± 14 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-635 | N/A | N/A | 33 ± 11 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-636 | N/A | N/A | 27 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-637 | N/A | N/A | 26 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-638 | N/A | N/A | 28 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-639 | N/A | N/A | 38 ± 12 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-640 | N/A | N/A | 36 ± 12 | 19 | 28 ± 10 | 20 |
| 020-VE01-V2-M-641 | N/A | N/A | 28 ± 10 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-642 | N/A | N/A | 43 ± 13 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-643 | N/A | N/A | 27 ± 10 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-644 | N/A | N/A | 36 ± 12 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-645 | N/A | N/A | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-646 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-647 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-648 | N/A | N/A | 39 ± 12 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-649 | N/A | N/A | 26 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-650 | N/A | N/A | 24 ± 10 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-651 | N/A | N/A | 31 ± 11 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-652 | N/A | N/A | 29 ± 11 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-653 | N/A | N/A | 36 ± 12 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-654 | N/A | N/A | 32 ± 11 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-655 | N/A | N/A | 33 ± 11 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-656 | N/A | N/A | 44 ± 13 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-657 | N/A | N/A | 31 ± 11 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-658 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-659 | N/A | N/A | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-660 | N/A | N/A | 29 ± 11 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-661 | N/A | N/A | 26 ± 10 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-662 | N/A | N/A | 28 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-663 | N/A | N/A | 31 ± 11 | 19 | 7 ± 5 | 20 |
| 020-VE01-V2-M-664 | N/A | N/A | 30 ± 11 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-665 | N/A | N/A | 29 ± 11 | 19 | 24 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-666 | N/A | N/A | 33 ± 11 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-667 | N/A | N/A | 24 ± 10 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-668 | N/A | N/A | 30 ± 11 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-669 | N/A | N/A | 21 ± 9 | 19 | 10 ± 6 | 20 |
| 020-VE01-V2-M-670 | N/A | N/A | 29 ± 11 | 19 | 30 ± 11 | 20 |
| 020-VE01-V2-M-671 | N/A | N/A | 21 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-672 | N/A | N/A | 27 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-673 | N/A | N/A | 26 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-674 | N/A | N/A | 31 ± 11 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-675 | N/A | N/A | 27 ± 10 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-676 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-677 | N/A | N/A | 38 ± 12 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-678 | N/A | N/A | 31 ± 11 | 19 | 31 ± 11 | 20 |
| 020-VE01-V1-M-679 | N/A | N/A | 31 ± 11 | 19 | 20 ± 9 | 20 |
| 020-VE01-V1-M-680 | N/A | N/A | 32 ± 11 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-681 | N/A | N/A | 33 ± 11 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-682 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-683 | N/A | N/A | 29 ± 11 | 19 | 44 ± 13 | 20 |
| 020-VE01-V2-M-684 | N/A | N/A | 35 ± 12 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-685 | N/A | N/A | 30 ± 11 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-686 | N/A | N/A | 28 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-687 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-688 | N/A | N/A | 23 ± 9 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-689 | N/A | N/A | 36 ± 12 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-690 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-691 | N/A | N/A | 26 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-692 | N/A | N/A | 28 ± 10 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-693 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-694 | N/A | N/A | 29 ± 11 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-695 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-696 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-697 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-698 | N/A | N/A | 26 ± 10 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-699 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-700 | N/A | N/A | 25 ± 10 | 19 | 24 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-701 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-702 | N/A | N/A | 31 ± 11 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-703 | N/A | N/A | 15 ± 8 | 19 | 8 ± 6 | 20 |
| 020-VE01-V2-M-704 | N/A | N/A | 35 ± 12 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-705 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-706 | N/A | N/A | 32 ± 11 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-707 | N/A | N/A | 33 ± 11 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-708 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-709 | N/A | N/A | 25 ± 10 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-710 | N/A | N/A | 30 ± 11 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-711 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-712 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-713 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-714 | N/A | N/A | 24 ± 10 | 19 | 16 ± 8 | 20 |
| 020-VE01-V2-M-715 | N/A | N/A | 29 ± 11 | 19 | 17 ± 8 | 20 |
| 020-VE01-V2-M-716 | N/A | N/A | 29 ± 11 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-717 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-718 | N/A | N/A | 28 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-719 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-720 | N/A | N/A | 37 ± 12 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-721 | N/A | N/A | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-722 | N/A | N/A | 21 ± 9 | 19 | 11 ± 7 | 20 |
| 020-VE01-V2-M-723 | N/A | N/A | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-724 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-725 | N/A | N/A | 35 ± 12 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-726 | N/A | N/A | 28 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-727 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-728 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-729 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-730 | N/A | N/A | 24 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-731 | N/A | N/A | 24 ± 10 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-732 | N/A | N/A | 26 ± 10 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-733 | N/A | N/A | 27 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-734 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-735 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V2-M-736 | N/A | N/A | 27 ± 10 | 19 | 26 ± 10 | 20 |
| 020-VE01-V2-M-737 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-738 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-739 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 020-VE01-V2-M-740 | N/A | N/A | 24 ± 10 | 19 | 27 ± 10 | 20 |
| 020-VE01-V2-M-741 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-742 | N/A | N/A | 27 ± 10 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-743 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-744 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-745 | N/A | N/A | 24 ± 10 | 19 | 13 ± 7 | 20 |
| 020-VE01-V2-M-746 | N/A | N/A | 11 ± 7 | 19 | 8 ± 6 | 20 |
| 020-VE01-V2-M-747 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VE01-V1-M-748 | N/A | N/A | **112** ± 21 | 19 | **149** ± 24 | 20 |
| 020-VE01-V2-M-749 | N/A | N/A | 61 ± 15 | 19 | 60 ± 15 | 20 |
| 020-VE01-V2-M-750 | N/A | N/A | 88 ± 18 | 19 | **102** ± 20 | 20 |
| 020-VE01-V2-M-751 | N/A | N/A | **176** ± 26 | 19 | **165** ± 25 | 20 |
| 020-VE01-V1-M-752 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-753 | N/A | N/A | 58 ± 15 | 19 | 85 ± 18 | 20 |
| 020-VE01-V2-M-754 | N/A | N/A | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-755 | N/A | N/A | 12 ± 7 | 19 | 23 ± 9 | 20 |
| 020-VE01-V2-M-756 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-757 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-758 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-759 | N/A | N/A | 11 ± 7 | 19 | 15 ± 8 | 20 |
| 020-VE01-V2-M-760 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-761 | N/A | N/A | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-762 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VE01-V2-M-763 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-764 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-765 | N/A | N/A | 25 ± 10 | 19 | 44 ± 13 | 20 |
| 020-VE01-V2-M-766 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V2-M-767 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 020-VE01-V1-M-768 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V1-M-769 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 020-VE01-V1-M-770 | N/A | N/A | 49 ± 14 | 19 | 52 ± 14 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 020 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 020-VE01-V1-M-771 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VE01-V1-M-772 | N/A | N/A | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 020-VE01-V1-M-773 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 020-VE01-V1-M-774 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 020-VE01-V1-M-775 | N/A | N/A | 27 ± 10 | 19 | 19 ± 9 | 20 |
| 020-VE01-V1-M-776 | N/A | N/A | **125** ± 22 | 19 | 56 ± 15 | 20 |
| 020-VE01-V2-M-777 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 020-VE01-V2-M-778 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 020-VE01-V2-M-779 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 020-VE01-V2-M-780 | N/A | N/A | 10 ± 6 | 19 | 19 ± 9 | 20 |
| 020-VE01-V2-M-781 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 020-VE01-V1-M-782 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| Summary for Survey Unit # VE01 (782 detail records) | | | | | | |
| **Average** | | | 22 | | 21 | |
| **Minimum** | | | 9 | | 7 | |
| **Maximum** | | | 176 | | 165 | |
| **Standard Deviation** | | | 11 | | 11 | |
| Summary for Building # 020 (2055 detail records) | | | | | | |
| **Avg** | | | 22 | | 22 | |
| **Min** | | | 8 | | 7 | |
| **Max** | | | 1182 | | 1189 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 023 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 023-DR01-D3-M-001 | N/A | N/A | 11 ± 7 | 19 | 17 ± 8 | 20 |
| 023-DR01-D3-M-002 | N/A | N/A | 17 ● 8 | 19 | 16 ± 8 | 20 |
| 023-DR01-D3-M-003 | N/A | N/A | 12 ● 7 | 19 | 18 ± 8 | 20 |
| 023-DR01-D3-M-004 | N/A | N/A | **1011** ± 62 | 19 | **952** ± 60 | 20 |
| 023-DR01-D3-M-005 | N/A | N/A | 21 ● 9 | 19 | 18 ● 8 | 20 |
| 023-DR01-D1-M-006 | N/A | N/A | 28 ± 10 | 19 | 25 ± 10 | 20 |
| 023-DR01-D2-M-007 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 023-DR01-D3-M-008 | N/A | N/A | 40 ± 12 | 19 | 41 ± 13 | 20 |
| 023-DR01-D3-M-009 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 023-DR01-D2-M-010 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 023-DR01-D3-M-011 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 023-DR01-D3-M-012 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 023-DR01-D2-M-013 | N/A | N/A | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 023-DR01-D2-M-014 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 023-DR01-D2-M-015 | N/A | N/A | 16 ± 8 | 19 | 15 ● 8 | 20 |

Summary for Survey Unit # DR01 (15 detail records)

| | | |
|---|---|---|
| **Average** | 86 | 83 |
| **Minimum** | 11 | 15 |
| **Maximum** | 1011 | 952 |
| **Standard Deviation** | 256 | 240 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 023 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 023-VA01-V1-M-001 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 023-VA01-V1-M-002 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 023-VA01-V1-M-003 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 023-VA01-V1-M-004 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 023-VA01-V1-M-005 | N/A | N/A | 17 ● 8 | 19 | 17 ± 8 | 20 |
| 023-VA01-V1-M-006 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 023-VA01-V1-M-007 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 023-VA01-V1-M-008 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| Summary for Survey Unit # VA01 (8 detail records) | | | | | | |
| **Average** | | | 19 | | 20 | |
| **Minimum** | | | 15 | | 13 | |
| **Maximum** | | | 22 | | 24 | |
| **Standard Deviation** | | | 3 | | 3 | |
| Summary for Building # 023 (23 detail records) | | | | | | |
| **Avg** | | | 62 | | 61 | |
| **Min** | | | 11 | | 13 | |
| **Max** | | | 1011 | | 952 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-DR01-D2-M-001 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 025-DR01-D2-M-002 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 025-DR01-D1-M-003 | N/A | N/A | 1717 ± 81 | 19 | 2613 ± 10 | 20 |
| 025-DR01-D3-M-004 | N/A | N/A | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 025-DR01-D1-M-005 | N/A | N/A | 29 ± 11 | 19 | 36 ± 12 | 20 |
| 025-DR01-D3-M-006 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 025-DR01-D1-M-007 | N/A | N/A | 42 ± 13 | 19 | 40 ± 12 | 20 |
| 025-DR01-D3-M-008 | N/A | N/A | 94 ± 19 | 19 | 127 ± 22 | 20 |
| 025-DR01-D1-M-009 | N/A | N/A | 30 ± 11 | 19 | 26 ± 10 | 20 |
| 025-DR01-D1-M-010 | N/A | N/A | 65 ± 16 | 19 | 51 ± 14 | 20 |
| 025-DR01-D1-M-011 | N/A | N/A | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 025-DR01-D1-M-012 | N/A | N/A | 27 ± 10 | 19 | 25 ± 10 | 20 |
| 025-DR01-D3-M-013 | N/A | N/A | 30 ± 11 | 19 | 32 ± 11 | 20 |
| 025-DR01-D1-M-014 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 025-DR01-D1-M-015 | N/A | N/A | 28 ± 10 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-016 | N/A | N/A | 26 ± 10 | 19 | 26 ± 10 | 20 |
| 025-DR01-D1-M-017 | N/A | N/A | 76 ± 17 | 19 | 81 ± 18 | 20 |
| 025-DR01-D1-M-018 | N/A | N/A | 65 ± 16 | 19 | 64 ± 16 | 20 |
| 025-DR01-D3-M-019 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 025-DR01-D1-M-020 | N/A | N/A | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 025-DR01-D1-M-021 | N/A | N/A | 65 ± 16 | 19 | 28 ± 10 | 20 |
| 025-DR01-D3-M-022 | N/A | N/A | 25 ± 10 | 19 | 29 ± 11 | 20 |
| 025-DR01-D1-M-023 | N/A | N/A | 22 ± 9 | 19 | 28 ± 10 | 20 |
| 025-DR01-D1-M-024 | N/A | N/A | 23 ± 9 | 19 | 31 ± 11 | 20 |
| 025-DR01-D1-M-025 | N/A | N/A | 13 ± 7 | 19 | 12 ± 7 | 20 |
| 025-DR01-D1-M-026 | N/A | N/A | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 025-DR01-D3-M-027 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 025-DR01-D1-M-028 | N/A | N/A | 16 ± 8 | 19 | 29 ± 11 | 20 |
| 025-DR01-D3-M-029 | N/A | N/A | 9 ± 6 | 19 | 14 ± 7 | 20 |
| 025-DR01-D1-M-030 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-031 | N/A | N/A | 27 ± 10 | 19 | 27 ± 10 | 20 |
| 025-DR01-D1-M-032 | N/A | N/A | 28 ± 10 | 19 | 19 ± 9 | 20 |
| 025-DR01-D1-M-033 | N/A | N/A | 20 ± 9 | 19 | 14 ± 7 | 20 |
| 025-DR01-D1-M-034 | N/A | N/A | 63 ± 16 | 19 | 41 ± 13 | 20 |
| 025-DR01-D1-M-035 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-DR01-D3-M-036 | N/A | N/A | 26 ± 10 | 19 | 20 ± 9 | 20 |
| 025-DR01-D1-M-037 | N/A | N/A | 21 ± 9 | 19 | 29 ± 11 | 20 |
| 025-DR01-D3-M-038 | N/A | N/A | 23 ± 9 | 19 | 28 ± 10 | 20 |
| 025-DR01-D1-M-039 | N/A | N/A | 27 ± 10 | 19 | 26 ± 10 | 20 |
| 025-DR01-D3-M-040 | N/A | N/A | 30 ± 11 | 19 | 26 ± 10 | 20 |
| 025-DR01-D1-M-041 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 025-DR01-D1-M-042 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 025-DR01-D3-M-043 | N/A | N/A | 11 ± 7 | 19 | 18 ± 8 | 20 |
| 025-DR01-D1-M-044 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 025-DR01-D1-M-045 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 025-DR01-D3-M-046 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 025-DR01-D1-M-047 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 025-DR01-D1-M-048 | N/A | N/A | 9 ± 6 | 19 | 21 ± 9 | 20 |
| 025-DR01-D1-M-049 | N/A | N/A | 33 ± 11 | 19 | 18 ± 8 | 20 |
| 025-DR01-D3-M-050 | N/A | N/A | 24 ± 10 | 19 | 16 ± 8 | 20 |
| 025-DR01-D3-M-051 | N/A | N/A | 51 ± 14 | 19 | 77 ± 17 | 20 |
| 025-DR01-D1-M-052 | N/A | N/A | 33 ± 11 | 19 | 41 ± 13 | 20 |
| 025-DR01-D3-M-053 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 025-DR01-D1-M-054 | N/A | N/A | 38 ± 12 | 19 | 41 ± 13 | 20 |
| 025-DR01-D1-M-055 | N/A | N/A | 41 ± 13 | 19 | 57 ± 15 | 20 |
| 025-DR01-D3-M-056 | N/A | N/A | 10 ± 6 | 19 | 9 ± 6 | 20 |
| 025-DR01-D1-M-057 | N/A | N/A | **147** ± 24 | 19 | **209** ± 28 | 20 |
| 025-DR01-D1-M-058 | N/A | N/A | **727** ± 53 | 19 | **447** ± 41 | 20 |
| 025-DR01-D1-M-059 | N/A | N/A | 80 ± 18 | 19 | 43 ± 13 | 20 |
| 025-DR01-D1-M-060 | N/A | N/A | 33 ± 11 | 19 | 56 ± 15 | 20 |
| 025-DR01-D1-M-061 | N/A | N/A | 87 ± 18 | 19 | **141** ± 23 | 20 |
| 025-DR01-D3-M-062 | N/A | N/A | 22 ± 9 | 19 | 28 ± 10 | 20 |
| 025-DR01-D1-M-063 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 025-DR01-D1-M-064 | N/A | N/A | **1110** ± 65 | 19 | **867** ± 58 | 20 |
| 025-DR01-D3-M-065 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 025-DR01-D1-M-066 | N/A | N/A | 26 ± 10 | 19 | 32 ± 11 | 20 |
| 025-DR01-D1-M-067 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 025-DR01-D3-M-068 | N/A | N/A | 56 ± 15 | 19 | 67 ± 16 | 20 |
| 025-DR01-D3-M-069 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 025-DR01-D2-M-070 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-DR01-D3-M-071 | N/A | N/A | 43 ± 13 | 19 | 51 ± 14 | 20 |
| 025-DR01-D3-M-072 | N/A | N/A | 46 ± 13 | 19 | 61 ± 15 | 20 |
| 025-DR01-D2-M-073 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 025-DR01-D3-M-074 | N/A | N/A | 27 ± 10 | 19 | 19 ± 9 | 20 |
| 025-DR01-D2-M-075 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 025-DR01-D2-M-076 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 025-DR01-D3-M-077 | N/A | N/A | 41 ± 13 | 19 | 48 ± 14 | 20 |
| 025-DR01-D3-M-078 | N/A | N/A | 37 ± 12 | 19 | 39 ± 12 | 20 |
| 025-DR01-D2-M-079 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 025-DR01-D2-M-080 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 025-DR01-D3-M-081 | N/A | N/A | 58 ± 15 | 19 | 80 ± 18 | 20 |
| 025-DR01-D2-M-082 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 025-DR01-D2-M-083 | N/A | N/A | 11 ± 7 | 19 | 19 ± 9 | 20 |
| 025-DR01-D2-M-084 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 025-DR01-D2-M-085 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 025-DR01-D2-M-086 | N/A | N/A | 25 ± 10 | 19 | 20 ± 9 | 20 |
| 025-DR01-D2-M-087 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 025-DR01-D2-M-088 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 025-DR01-D2-M-089 | N/A | N/A | 15 ± 8 | 19 | 28 ± 10 | 20 |
| 025-DR01-D3-M-090 | N/A | N/A | 29 ± 11 | 19 | 28 ± 10 | 20 |
| 025-DR01-D2-M-091 | N/A | N/A | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 025-DR01-D2-M-092 | N/A | N/A | 15 ± 8 | 19 | 26 ± 10 | 20 |
| 025-DR01-D2-M-093 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 025-DR01-D2-M-094 | N/A | N/A | 13 ± 7 | 19 | 13 ± 7 | 20 |
| 025-DR01-D3-M-095 | N/A | N/A | 64 ± 16 | 19 | 99 ± 20 | 20 |
| 025-DR01-D2-M-096 | N/A | N/A | 32 ± 11 | 19 | 27 ± 10 | 20 |
| 025-DR01-D2-M-097 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-098 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 025-DR01-D1-M-099 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 025-DR01-D3-M-100 | N/A | N/A | 11 ± 7 | 19 | 17 ± 8 | 20 |
| 025-DR01-D3-M-101 | N/A | N/A | 40 ± 12 | 19 | 17 ± 8 | 20 |
| 025-DR01-D1-M-102 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-103 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 025-DR01-D3-M-104 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 025-DR01-D3-M-105 | N/A | N/A | 11 ± 7 | 19 | 15 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-DR01-D3-M-106 | N/A | N/A | 20 ± 9 | 19 | 14 ± 7 | 20 |
| 025-DR01-D3-M-107 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-108 | N/A | N/A | 28 ± 10 | 19 | 24 ± 10 | 20 |
| 025-DR01-D3-M-109 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-110 | N/A | N/A | 12 ± 7 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-111 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 025-DR01-D3-M-112 | N/A | N/A | 10 ± 6 | 19 | 19 ± 9 | 20 |
| 025-DR01-D1-M-113 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 025-DR01-D3-M-114 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 025-DR01-D3-M-115 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 025-DR01-D3-M-116 | N/A | N/A | 27 ± 10 | 19 | 18 ± 8 | 20 |
| 025-DR01-D1-M-117 | N/A | N/A | 12 ± 7 | 19 | 19 ± 9 | 20 |
| 025-DR01-D1-M-118 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 025-DR01-D3-M-119 | N/A | N/A | **2055** ± 89 | 19 | **324** ± 35 | 20 |
| 025-DR01-D3-M-120 | N/A | N/A | **134** ± 23 | 19 | 50 ± 14 | 20 |
| 025-DR01-D3-M-121 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 025-DR01-D1-M-122 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 025-DR01-D3-M-123 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 025-DR01-D3-M-124 | N/A | N/A | 9 ± 6 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-125 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 025-DR01-D3-M-126 | N/A | N/A | 13 ± 7 | 19 | 14 ± 7 | 20 |
| 025-DR01-D2-M-127 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 025-DR01-D2-M-128 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 025-DR01-D2-M-129 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 025-DR01-D2-M-130 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 025-DR01-D2-M-131 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 025-DR01-D2-M-132 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 025-DR01-D2-M-133 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 025-DR01-D3-M-134 | N/A | N/A | 10 ± 6 | 19 | 16 ± 8 | 20 |
| 025-DR01-D3-M-135 | N/A | N/A | 10 ± 6 | 19 | 22 ± 9 | 20 |
| 025-DR01-D3-M-136 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 025-DR01-D3-M-137 | N/A | N/A | 27 ± 10 | 19 | 31 ± 11 | 20 |
| 025-DR01-D2-M-138 | N/A | N/A | 26 ± 10 | 19 | 30 ± 11 | 20 |
| 025-DR01-D2-M-139 | N/A | N/A | 17 ± 8 | 19 | 26 ± 10 | 20 |
| 025-DR01-D3-M-140 | N/A | N/A | 23 ± 9 | 19 | 28 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-DR01-D3-M-141 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 025-DR01-D2-M-142 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 025-DR01-D2-M-143 | N/A | N/A | 12 ± 7 | 19 | 6 ± 5 | 20 |
| 025-DR01-D3-M-144 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 025-DR01-D3-M-145 | N/A | N/A | 9 ± 6 | 19 | 15 ± 8 | 20 |
| 025-DR01-D3-M-146 | N/A | N/A | 9 ± 6 | 19 | 24 ± 10 | 20 |
| 025-DR01-D3-M-147 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 025-DR01-D1-M-148 | N/A | N/A | 15 ± 8 | 19 | 25 ± 10 | 20 |
| 025-DR01-D1-M-149 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 025-DR01-D3-M-150 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 025-DR01-D3-M-151 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 025-DR01-D1-M-152 | N/A | N/A | 11 ± 7 | 19 | 19 ± 9 | 20 |
| 025-DR01-D1-M-153 | N/A | N/A | **257** ± 31 | 19 | **411** ± 40 | 20 |
| 025-DR01-D1-M-154 | N/A | N/A | **193** ± 27 | 19 | **284** ± 33 | 20 |
| 025-DR01-D3-M-155 | N/A | N/A | **6228** ± 15 | 19 | **709** ± 52 | 20 |
| 025-DR01-D3-M-156 | N/A | N/A | 66 ± 16 | 19 | 77 ± 17 | 20 |
| 025-DR01-D3-M-157 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 025-DR01-D3-M-158 | N/A | N/A | 29 ± 11 | 19 | 34 ± 11 | 20 |
| 025-DR01-D3-M-159 | N/A | N/A | 71 ± 17 | 19 | 42 ± 13 | 20 |
| 025-DR01-D3-M-160 | N/A | N/A | **1622** ± 79 | 19 | **263** ± 32 | 20 |
| 025-DR01-D3-M-161 | N/A | N/A | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 025-DR01-D3-M-162 | N/A | N/A | **102** ± 20 | 19 | 78 ± 17 | 20 |
| 025-DR01-D1-M-163 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 025-DR01-D1-M-164 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 025-DR01-D2-M-165 | N/A | N/A | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 025-DR01-D2-M-166 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-167 | N/A | N/A | 59 ± 15 | 19 | 21 ± 9 | 20 |
| 025-DR01-D1-M-168 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-169 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-170 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 025-DR01-D3-M-171 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-172 | N/A | N/A | 60 ± 15 | 19 | 54 ± 14 | 20 |
| 025-DR01-D3-M-173 | N/A | N/A | **193** ± 27 | 19 | 56 ± 15 | 20 |
| 025-DR01-D3-M-174 | N/A | N/A | 17 ± 8 | 19 | 27 ± 10 | 20 |
| 025-DR01-D3-M-175 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-DR01-D3-M-176 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 025-DR01-D1-M-177 | N/A | N/A | **146** ± 24 | 19 | 49 ± 14 | 20 |
| 025-DR01-D3-M-178 | N/A | N/A | 27 ± 10 | 19 | 34 ± 11 | 20 |
| 025-DR01-D3-M-179 | N/A | N/A | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 025-DR01-D3-M-180 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 025-DR01-D3-M-181 | N/A | N/A | 26 ± 10 | 19 | 26 ± 10 | 20 |
| 025-DR01-D3-M-182 | N/A | N/A | 47 ± 13 | 19 | 18 ± 8 | 20 |
| 025-DR01-D3-M-183 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 025-DR01-D3-M-184 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-185 | N/A | N/A | 62 ± 15 | 19 | 18 ± 8 | 20 |
| 025-DR01-D3-M-186 | N/A | N/A | 23 ± 9 | 19 | 26 ± 10 | 20 |
| 025-DR01-D1-M-187 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 025-DR01-D3-M-188 | N/A | N/A | 27 ± 10 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-189 | N/A | N/A | **103** ± 20 | 19 | 60 ± 15 | 20 |
| 025-DR01-D3-M-190 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 025-DR01-D3-M-191 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 025-DR01-D3-M-192 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 025-DR01-D1-M-193 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 025-DR01-D3-M-194 | N/A | N/A | 71 ± 17 | 19 | 76 ± 17 | 20 |
| 025-DR01-D3-M-195 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 025-DR01-D3-M-196 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 025-DR01-D3-M-197 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-198 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 025-DR01-D1-M-199 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 025-DR01-D3-M-200 | N/A | N/A | **786** ± 55 | 19 | **651** ± 50 | 20 |
| 025-DR01-D3-M-201 | N/A | N/A | 27 ± 10 | 19 | 32 ± 11 | 20 |
| 025-DR01-D3-M-202 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 025-DR01-D3-M-203 | N/A | N/A | 29 ± 11 | 19 | 29 ± 11 | 20 |
| 025-DR01-D3-M-204 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 025-DR01-D3-M-205 | N/A | N/A | 25 ± 10 | 19 | 35 ± 12 | 20 |
| 025-DR01-D3-M-206 | N/A | N/A | **5107** ± 14 | 19 | **4733** ± 13 | 20 |
| 025-DR01-D3-M-207 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 025-DR01-D1-M-208 | N/A | N/A | **219** ± 29 | 19 | **209** ± 28 | 20 |
| 025-DR01-D1-M-209 | N/A | N/A | 21 ± 9 | 19 | 31 ± 11 | 20 |
| 025-DR01-D1-M-210 | N/A | N/A | 18 ± 8 | 19 | 32 ± 11 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-DR01-D3-M-211 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 025-DR01-D3-M-212 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 025-DR01-D3-M-213 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 025-DR01-D3-M-214 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 025-DR01-D3-M-215 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 025-DR01-D3-M-216 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 025-DR01-D3-M-217 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 025-DR01-D3-M-218 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 025-DR01-D3-M-219 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-220 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 025-DR01-D1-M-221 | N/A | N/A | 18 ± 8 | 19 | 27 ± 10 | 20 |
| 025-DR01-D1-M-222 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 025-DR01-D1-M-223 | N/A | N/A | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 025-DR01-D1-M-224 | N/A | N/A | 24 ± 10 | 19 | 29 ± 11 | 20 |
| 025-DR01-D1-M-225 | N/A | N/A | 21 ± 9 | 19 | 15 ± 8 | 20 |
| 025-DR01-D3-M-226 | N/A | N/A | 17 ± 8 | 19 | 27 ± 10 | 20 |
| 025-DR01-D3-M-227 | N/A | N/A | 28 ± 10 | 19 | 26 ± 10 | 20 |
| 025-DR01-D3-M-228 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 025-DR01-D3-M-229 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 025-DR01-D1-M-230 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 025-DR01-D2-M-231 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 025-DR01-D3-M-232 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 025-DR01-D1-M-233 | N/A | N/A | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 025-DR01-D1-M-234 | N/A | N/A | 42 ± 13 | 19 | 75 ± 17 | 20 |
| 025-DR01-D3-M-235 | N/A | N/A | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 025-DR01-D3-M-236 | N/A | N/A | **154** ± 24 | 19 | **212** ± 29 | 20 |
| 025-DR01-D1-M-237 | N/A | N/A | 66 ± 16 | 19 | 56 ± 15 | 20 |
| 025-DR01-D1-M-238 | N/A | N/A | 63 ± 16 | 19 | 90 ± 19 | 20 |
| 025-DR01-D3-M-239 | N/A | N/A | 40 ± 12 | 19 | 33 ± 11 | 20 |
| 025-DR01-D3-M-240 | N/A | N/A | 33 ± 11 | 19 | 27 ± 10 | 20 |
| 025-DR01-D1-M-241 | N/A | N/A | 29 ± 11 | 19 | 31 ± 11 | 20 |
| 025-DR01-D1-M-242 | N/A | N/A | 31 ± 11 | 19 | 30 ± 11 | 20 |
| 025-DR01-D1-M-243 | N/A | N/A | 29 ± 11 | 19 | 25 ± 10 | 20 |
| 025-DR01-D1-M-244 | N/A | N/A | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 025-DR01-D1-M-245 | N/A | N/A | 27 ± 10 | 19 | 26 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-DR01-D1-M-246 | N/A | N/A | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 025-DR01-D1-M-247 | N/A | N/A | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 025-DR01-D1-M-248 | N/A | N/A | 17 ± 8 | 19 | 28 ± 10 | 20 |
| 025-DR01-D3-M-249 | N/A | N/A | 26 ± 10 | 19 | 12 ± 7 | 20 |
| 025-DR01-D3-M-250 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 025-DR01-D1-M-251 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 025-DR01-D1-M-252 | N/A | N/A | 54 ± 14 | 19 | 24 ± 10 | 20 |
| 025-DR01-D2-M-253 | N/A | N/A | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 025-DR01-D3-M-254 | N/A | N/A | 21 ± 9 | 19 | 13 ± 7 | 20 |
| 025-DR01-D3-M-255 | N/A | N/A | 27 ± 10 | 19 | 16 ± 8 | 20 |
| 025-DR01-D3-M-256 | N/A | N/A | 36 ± 12 | 19 | 31 ± 11 | 20 |
| 025-DR01-D2-M-257 | N/A | N/A | 26 ± 10 | 19 | 20 ± 9 | 20 |
| 025-DR01-D3-M-258 | N/A | N/A | 136 ± 23 | 19 | 83 ± 18 | 20 |
| 025-DR01-D2-M-259 | N/A | N/A | 25 ± 10 | 19 | 24 ± 10 | 20 |
| 025-DR01-D3-M-260 | N/A | N/A | 22 ± 9 | 19 | 27 ± 10 | 20 |
| 025-DR01-D2-M-261 | N/A | N/A | 16 ± 8 | 19 | 28 ± 10 | 20 |
| 025-DR01-D3-M-262 | N/A | N/A | 37 ± 12 | 19 | 37 ± 12 | 20 |
| 025-DR01-D2-M-263 | N/A | N/A | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 025-DR01-D3-M-264 | N/A | N/A | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 025-DR01-D2-M-265 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 025-DR01-D3-M-266 | N/A | N/A | 24 ± 10 | 19 | 27 ± 10 | 20 |
| 025-DR01-D2-M-267 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-268 | N/A | N/A | 30 ± 11 | 19 | 22 ± 9 | 20 |
| 025-DR01-D2-M-269 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 025-DR01-D2-M-270 | N/A | N/A | 22 ± 9 | 19 | 29 ± 11 | 20 |
| 025-DR01-D2-M-271 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-272 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 025-DR01-D2-M-273 | N/A | N/A | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 025-DR01-D2-M-274 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 025-DR01-D2-M-275 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 025-DR01-D2-M-276 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 025-DR01-D3-M-277 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 025-DR01-D2-M-278 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 025-DR01-D2-M-279 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 025-DR01-D2-M-280 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-DR01-D2-M-281 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 025-DR01-D3-M-282 | N/A | N/A | 34 ± 11 | 19 | 19 ± 9 | 20 |
| 025-DR01-D2-M-283 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 025-DR01-D2-M-284 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 025-DR01-D2-M-285 | N/A | N/A | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 025-DR01-D2-M-286 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 025-DR01-D3-M-287 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 025-DR01-D2-M-288 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 025-DR01-D2-M-289 | N/A | N/A | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-290 | N/A | N/A | **821** ± 56 | 19 | **290** ± 33 | 20 |
| 025-DR01-D2-M-291 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 025-DR01-D3-M-292 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 025-DR01-D1-M-293 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 025-DR01-D1-M-294 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 025-DR01-D3-M-295 | N/A | N/A | 13 ± 7 | 19 | 23 ± 9 | 20 |
| 025-DR01-D1-M-296 | N/A | N/A | 15 ± 8 | 19 | 11 ± 7 | 20 |
| 025-DR01-D1-M-297 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 025-DR01-D1-M-298 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 025-DR01-D3-M-299 | N/A | N/A | **519** ± 45 | 19 | **295** ± 34 | 20 |
| 025-DR01-D1-M-300 | N/A | N/A | 21 ± 9 | 19 | 30 ± 11 | 20 |
| 025-DR01-D1-M-301 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 025-DR01-D3-M-302 | N/A | N/A | **444** ± 41 | 19 | **566** ± 47 | 20 |
| 025-DR01-D3-M-303 | N/A | N/A | 39 ± 12 | 19 | 34 ± 11 | 20 |
| 025-DR01-D1-M-304 | N/A | N/A | **151** ± 24 | 19 | 77 ± 17 | 20 |
| 025-DR01-D3-M-305 | N/A | N/A | **1978** ± 87 | 19 | **1934** ± 86 | 20 |
| 025-DR01-D3-M-306 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 025-DR01-D3-M-307 | N/A | N/A | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 025-DR01-D1-M-308 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 025-DR01-D1-M-309 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 025-DR01-D1-M-310 | N/A | N/A | 25 ± 10 | 19 | 24 ± 10 | 20 |
| 025-DR01-D2-M-311 | N/A | N/A | 50 ± 14 | 19 | 40 ± 12 | 20 |
| 025-DR01-D2-M-312 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 025-DR01-D2-M-313 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 025-DR01-D2-M-314 | N/A | N/A | 12 ± 7 | 19 | 12 ± 7 | 20 |
| 025-DR01-D2-M-315 | N/A | N/A | 12 ± 7 | 19 | 19 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-DR01-D2-M-316 | N/A | N/A | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 025-DR01-D3-M-317 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 025-DR01-D2-M-318 | N/A | N/A | 23 ± 9 | 19 | 17 ± 8 | 20 |
| 025-DR01-D3-M-319 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 025-DR01-D1-M-320 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-321 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 025-DR01-D3-M-322 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 025-DR01-D3-M-323 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 025-DR01-D3-M-324 | N/A | N/A | 39 ± 12 | 19 | 19 ± 9 | 20 |
| 025-DR01-D3-M-325 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 025-DR01-D3-M-326 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 025-DR01-D2-M-327 | N/A | N/A | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 025-DR01-D3-M-328 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 025-DR01-D2-M-329 | N/A | N/A | 17 ± 8 | 19 | 11 ± 7 | 20 |
| 025-DR01-D2-M-330 | N/A | N/A | 25 ± 10 | 19 | 40 ± 12 | 20 |
| 025-DR01-D3-M-331 | N/A | N/A | 34 ± 11 | 19 | 29 ± 11 | 20 |
| 025-DR01-D2-M-332 | N/A | N/A | 14 ± 7 | 19 | 10 ± 6 | 20 |
| 025-DR01-D2-M-333 | N/A | N/A | 26 ± 10 | 19 | 21 ± 9 | 20 |
| 025-DR01-D3-M-334 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 025-DR01-D2-M-335 | N/A | N/A | 18 ± 8 | 19 | 12 ± 7 | 20 |
| 025-DR01-D3-M-336 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 025-DR01-D2-M-337 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 025-DR01-D2-M-338 | N/A | N/A | 20 ± 9 | 19 | 30 ± 11 | 20 |
| 025-DR01-D3-M-339 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 025-DR01-D3-M-340 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 025-DR01-D1-M-341 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 025-DR01-D3-M-342 | N/A | N/A | 47 ± 13 | 19 | 25 ± 10 | 20 |
| 025-DR01-D3-M-343 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 025-DR01-D2-M-344 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 025-DR01-D3-M-345 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 025-DR01-D3-M-346 | N/A | N/A | 86 ± 18 | 19 | 75 ± 17 | 20 |
| 025-DR01-D1-M-347 | N/A | N/A | 25 ± 10 | 19 | 27 ± 10 | 20 |
| 025-DR01-D2-M-348 | N/A | N/A | 11 ± 7 | 19 | 19 ± 9 | 20 |
| 025-DR01-D1-M-349 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 025-DR01-D2-M-350 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-DR01-D2-M-351 | N/A | N/A | 31 ± 11 | 19 | 31 ± 11 | 20 |
| 025-DR01-D2-M-352 | N/A | N/A | 32 ± 11 | 19 | 30 ± 11 | 20 |
| 025-DR01-D2-M-353 | N/A | N/A | 28 ± 10 | 19 | 27 ± 10 | 20 |
| 025-DR01-D2-M-354 | N/A | N/A | 108 ± 20 | 19 | 28 ± 10 | 20 |
| Summary for Survey Unit # DR01 (354 detail records) | | | | | | |
| **Average** | | | 93 | | 67 | |
| **Minimum** | | | 9 | | 6 | |
| **Maximum** | | | 6228 | | 4733 | |
| **Standard Deviation** | | | 475 | | 313 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VA01-V2-M-001 | N/A | N/A | 64 ± 16 | 19 | 81 ± 18 | 20 |
| 025-VA01-V2-M-002 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VA01-V2-M-003 | N/A | N/A | 18 ± 8 | 19 | 27 ± 10 | 20 |
| 025-VA01-V2-M-004 | N/A | N/A | 54 ± 14 | 19 | 75 ± 17 | 20 |
| 025-VA01-V1-M-005 | N/A | N/A | 16 ± 8 | 19 | 30 ± 11 | 20 |
| 025-VA01-V1-M-006 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-007 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-008 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VA01-V1-M-009 | N/A | N/A | 16 ± 8 | 19 | 27 ± 10 | 20 |
| 025-VA01-V1-M-010 | N/A | N/A | 24 ± 10 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-011 | N/A | N/A | 11 ± 7 | 19 | 11 ± 7 | 20 |
| 025-VA01-V1-M-012 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-013 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VA01-V1-M-014 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 025-VA01-V1-M-015 | N/A | N/A | 27 ± 10 | 19 | 17 ± 8 | 20 |
| 025-VA01-V1-M-016 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-017 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-018 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-019 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 025-VA01-V1-M-020 | N/A | N/A | 20 ± 9 | 19 | 13 ± 7 | 20 |
| 025-VA01-V1-M-021 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-022 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-023 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-024 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-025 | N/A | N/A | 12 ± 7 | 19 | 11 ± 7 | 20 |
| 025-VA01-V1-M-026 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-027 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-028 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-029 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-030 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-031 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-032 | N/A | N/A | 21 ± 9 | 19 | 29 ± 11 | 20 |
| 025-VA01-V1-M-033 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-034 | N/A | N/A | 21 ± 9 | 19 | 13 ± 7 | 20 |
| 025-VA01-V1-M-035 | N/A | N/A | 27 ± 10 | 19 | 28 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VA01-V1-M-036 | N/A | N/A | 9 ± 6 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-037 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-038 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 025-VA01-V1-M-039 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-040 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-041 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VA01-V1-M-042 | N/A | N/A | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 025-VA01-V1-M-043 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VA01-V1-M-044 | N/A | N/A | 17 ± 8 | 19 | 26 ± 10 | 20 |
| 025-VA01-V1-M-045 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-046 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VA01-V1-M-047 | N/A | N/A | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-048 | N/A | N/A | 27 ± 10 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-049 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-050 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-051 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-052 | N/A | N/A | 15 ± 8 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-053 | N/A | N/A | 21 ± 9 | 19 | 31 ± 11 | 20 |
| 025-VA01-V1-M-054 | N/A | N/A | 18 ± 8 | 19 | 30 ± 11 | 20 |
| 025-VA01-V1-M-055 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-056 | N/A | N/A | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-057 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 025-VA01-V1-M-058 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 025-VA01-V1-M-059 | N/A | N/A | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-060 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-061 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-062 | N/A | N/A | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 025-VA01-V1-M-063 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-064 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-065 | N/A | N/A | 11 ± 7 | 19 | 9 ± 6 | 20 |
| 025-VA01-V1-M-066 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-067 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-068 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-069 | N/A | N/A | 23 ± 9 | 19 | 33 ± 11 | 20 |
| 025-VA01-V1-M-070 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VA01-V1-M-071 | N/A | N/A | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 025-VA01-V1-M-072 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-073 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-074 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-075 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-076 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 025-VA01-V1-M-077 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 025-VA01-V1-M-078 | N/A | N/A | 13 ± 7 | 19 | 18 ● 8 | 20 |
| 025-VA01-V1-M-079 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-080 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-081 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-082 | N/A | N/A | 20 ± 9 | 19 | 28 ± 10 | 20 |
| 025-VA01-V1-M-083 | N/A | N/A | 29 ± 11 | 19 | 30 ± 11 | 20 |
| 025-VA01-V1-M-084 | N/A | N/A | 22 ± 9 | 19 | 19 ● 9 | 20 |
| 025-VA01-V1-M-085 | N/A | N/A | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-086 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 025-VA01-V1-M-087 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 025-VA01-V1-M-088 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-089 | N/A | N/A | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 025-VA01-V1-M-090 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-091 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-092 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VA01-V1-M-093 | N/A | N/A | 16 ± 8 | 19 | 19 ● 9 | 20 |
| 025-VA01-V1-M-094 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VA01-V1-M-095 | N/A | N/A | 55 ± 15 | 19 | 72 ± 17 | 20 |
| 025-VA01-V1-M-096 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-097 | N/A | N/A | 67 ± 16 | 19 | 43 ± 13 | 20 |
| 025-VA01-V1-M-098 | N/A | N/A | 22 ± 9 | 19 | 30 ± 11 | 20 |
| 025-VA01-V1-M-099 | N/A | N/A | 14 ± 7 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-100 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-101 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-102 | N/A | N/A | 34 ± 11 | 19 | 31 ± 11 | 20 |
| 025-VA01-V1-M-103 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-104 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-105 | N/A | N/A | 25 ± 10 | 19 | 27 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VA01-V1-M-106 | N/A | N/A | 22 ± 9 | 19 | 22 ● 9 | 20 |
| 025-VA01-V1-M-107 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-108 | N/A | N/A | 24 ± 10 | 19 | 27 ± 10 | 20 |
| 025-VA01-V1-M-109 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-110 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-111 | N/A | N/A | 29 ± 11 | 19 | 39 ● 12 | 20 |
| 025-VA01-V1-M-112 | N/A | N/A | 18 ● 8 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-113 | N/A | N/A | 17 ± 8 | 19 | 28 ± 10 | 20 |
| 025-VA01-V1-M-114 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-115 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-116 | N/A | N/A | 11 ± 7 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-117 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-118 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-119 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-120 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VA01-V1-M-121 | N/A | N/A | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 025-VA01-V1-M-122 | N/A | N/A | 10 ± 6 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-123 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-124 | N/A | N/A | 14 ± 7 | 19 | 12 ± 7 | 20 |
| 025-VA01-V1-M-125 | N/A | N/A | 31 ± 11 | 19 | 31 ± 11 | 20 |
| 025-VA01-V1-M-126 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-127 | N/A | N/A | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-128 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-129 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-130 | N/A | N/A | 30 ± 11 | 19 | 29 ± 11 | 20 |
| 025-VA01-V1-M-131 | N/A | N/A | **123** ± 22 | 19 | 64 ± 16 | 20 |
| 025-VA01-V1-M-132 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-133 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-134 | N/A | N/A | 23 ± 9 | 19 | 28 ± 10 | 20 |
| 025-VA01-V1-M-135 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-136 | N/A | N/A | 17 ± 8 | 19 | 20 ● 9 | 20 |
| 025-VA01-V1-M-137 | N/A | N/A | 23 ± 9 | 19 | 15 ± 8 | 20 |
| 025-VA01-V1-M-138 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-139 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-140 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VA01-V1-M-141 | N/A | N/A | 10 ± 6 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-142 | N/A | N/A | 14 ± 7 | 19 | 27 ± 10 | 20 |
| 025-VA01-V1-M-143 | N/A | N/A | 10 ± 6 | 19 | 12 ± 7 | 20 |
| 025-VA01-V1-M-144 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-145 | N/A | N/A | 13 ± 7 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-146 | N/A | N/A | 11 ± 7 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-147 | N/A | N/A | 19 ± 9 | 19 | 28 ± 10 | 20 |
| 025-VA01-V1-M-148 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-149 | N/A | N/A | 31 ± 11 | 19 | 26 ± 10 | 20 |
| 025-VA01-V1-M-150 | N/A | N/A | 14 ± 7 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-151 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-152 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VA01-V1-M-153 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-154 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-155 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 025-VA01-V1-M-156 | N/A | N/A | 28 ± 10 | 19 | 26 ± 10 | 20 |
| 025-VA01-V1-M-157 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-158 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 025-VA01-V1-M-159 | N/A | N/A | 11 ± 7 | 19 | 14 ± 7 | 20 |
| 025-VA01-V1-M-160 | N/A | N/A | 12 ± 7 | 19 | 13 ± 7 | 20 |
| 025-VA01-V1-M-161 | N/A | N/A | 26 ± 10 | 19 | 27 ± 10 | 20 |
| 025-VA01-V1-M-162 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-163 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-164 | N/A | N/A | 11 ± 7 | 19 | 28 ± 10 | 20 |
| 025-VA01-V1-M-165 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VA01-V1-M-166 | N/A | N/A | 32 ± 11 | 19 | 28 ± 10 | 20 |
| 025-VA01-V1-M-167 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-168 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-169 | N/A | N/A | 42 ± 13 | 19 | 48 ± 14 | 20 |
| 025-VA01-V1-M-170 | N/A | N/A | 12 ± 7 | 19 | 17 ± 8 | 20 |
| 025-VA01-V1-M-171 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-172 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-173 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-174 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-175 | N/A | N/A | 21 ± 9 | 19 | 29 ± 11 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VA01-V1-M-176 | N/A | N/A | 10 ± 6 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-177 | N/A | N/A | 25 ± 10 | 19 | 27 ± 10 | 20 |
| 025-VA01-V1-M-178 | N/A | N/A | 25 ± 10 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-179 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-180 | N/A | N/A | 12 ± 7 | 19 | 17 ± 8 | 20 |
| 025-VA01-V1-M-181 | N/A | N/A | 14 ● 7 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-182 | N/A | N/A | 34 ± 11 | 19 | 27 ± 10 | 20 |
| 025-VA01-V1-M-183 | N/A | N/A | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 025-VA01-V1-M-184 | N/A | N/A | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 025-VA01-V1-M-185 | N/A | N/A | 15 ± 8 | 19 | 20 ● 9 | 20 |
| 025-VA01-V1-M-186 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-187 | N/A | N/A | 24 ± 10 | 19 | 30 ± 11 | 20 |
| 025-VA01-V1-M-188 | N/A | N/A | 36 ± 12 | 19 | 26 ± 10 | 20 |
| 025-VA01-V1-M-189 | N/A | N/A | 12 ± 7 | 19 | 19 ● 9 | 20 |
| 025-VA01-V1-M-190 | N/A | N/A | 26 ± 10 | 19 | 33 ± 11 | 20 |
| 025-VA01-V1-M-191 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-192 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-193 | N/A | N/A | 23 ± 9 | 19 | 30 ± 11 | 20 |
| 025-VA01-V1-M-194 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-195 | N/A | N/A | 31 ± 11 | 19 | 29 ● 11 | 20 |
| 025-VA01-V1-M-196 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-197 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-198 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-199 | N/A | N/A | 22 ± 9 | 19 | 29 ± 11 | 20 |
| 025-VA01-V1-M-200 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-201 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-202 | N/A | N/A | 18 ± 8 | 19 | 21 ● 9 | 20 |
| 025-VA01-V1-M-203 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 025-VA01-V1-M-204 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-205 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 025-VA01-V1-M-206 | N/A | N/A | 13 ± 7 | 19 | 13 ± 7 | 20 |
| 025-VA01-V1-M-207 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 025-VA01-V1-M-208 | N/A | N/A | **186** ± 27 | 19 | 85 ± 18 | 20 |
| 025-VA01-V1-M-209 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VA01-V1-M-210 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VA01-V1-M-211 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VA01-V1-M-212 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VA01-V1-M-213 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-214 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-215 | N/A | N/A | 12 ± 7 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-216 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-217 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-218 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VA01-V1-M-219 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-220 | N/A | N/A | 11 ± 7 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-221 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-222 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-223 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 025-VA01-V1-M-224 | N/A | N/A | 15 ± 8 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-225 | N/A | N/A | 12 ± 7 | 19 | 17 ± 8 | 20 |
| 025-VA01-V1-M-226 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-227 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-228 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-229 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-230 | N/A | N/A | 18 ± 8 | 19 | 13 ± 7 | 20 |
| 025-VA01-V1-M-231 | N/A | N/A | 22 ± 9 | 19 | 27 ± 10 | 20 |
| 025-VA01-V1-M-232 | N/A | N/A | 11 ± 7 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-233 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-234 | N/A | N/A | 13 ± 7 | 19 | 9 ± 6 | 20 |
| 025-VA01-V1-M-235 | N/A | N/A | 27 ± 10 | 19 | 29 ± 11 | 20 |
| 025-VA01-V1-M-236 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-237 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-238 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VA01-V1-M-239 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 025-VA01-V1-M-240 | N/A | N/A | 22 ± 9 | 19 | 28 ± 10 | 20 |
| 025-VA01-V1-M-241 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-242 | N/A | N/A | 46 ± 13 | 19 | 28 ± 10 | 20 |
| 025-VA01-V1-M-243 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-244 | N/A | N/A | 22 ± 9 | 19 | 28 ± 10 | 20 |
| 025-VA01-V1-M-245 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |

Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VA01-V1-M-246 | N/A | N/A | 12 ± 7 | 19 | 17 ± 8 | 20 |
| 025-VA01-V1-M-247 | N/A | N/A | 12 ± 7 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-248 | N/A | N/A | 15 ± 8 | 19 | 26 ± 10 | 20 |
| 025-VA01-V1-M-249 | N/A | N/A | 16 ± 8 | 19 | 12 ± 7 | 20 |
| 025-VA01-V1-M-250 | N/A | N/A | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-251 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VA01-V1-M-252 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-253 | N/A | N/A | 10 ± 6 | 19 | 9 ± 6 | 20 |
| 025-VA01-V1-M-254 | N/A | N/A | 8 ± 6 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-255 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-256 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-257 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-258 | N/A | N/A | 23 ± 9 | 19 | 29 ± 11 | 20 |
| 025-VA01-V1-M-259 | N/A | N/A | 13 ± 7 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-260 | N/A | N/A | 26 ± 10 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-261 | N/A | N/A | 17 ± 8 | 19 | 29 ± 11 | 20 |
| 025-VA01-V1-M-262 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-263 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 025-VA01-V1-M-264 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-265 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-266 | N/A | N/A | 15 ± 8 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-267 | N/A | N/A | 12 ± 7 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-268 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-269 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 025-VA01-V1-M-270 | N/A | N/A | 81 ± 18 | 19 | 79 ± 17 | 20 |
| 025-VA01-V1-M-271 | N/A | N/A | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-272 | N/A | N/A | 37 ± 12 | 19 | 51 ± 14 | 20 |
| 025-VA01-V1-M-273 | N/A | N/A | 22 ± 9 | 19 | 27 ± 10 | 20 |
| 025-VA01-V1-M-274 | N/A | N/A | 35 ± 12 | 19 | 40 ± 12 | 20 |
| 025-VA01-V1-M-275 | N/A | N/A | 43 ± 13 | 19 | 40 ± 12 | 20 |
| 025-VA01-V1-M-276 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-277 | N/A | N/A | 15 ± 8 | 19 | 29 ± 11 | 20 |
| 025-VA01-V1-M-278 | N/A | N/A | 23 ± 9 | 19 | 32 ± 11 | 20 |
| 025-VA01-V1-M-279 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-280 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VA01-V1-M-281 | N/A | N/A | 23 ± 9 | 19 | 26 ± 10 | 20 |
| 025-VA01-V1-M-282 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-283 | N/A | N/A | 25 ± 10 | 19 | 30 ± 11 | 20 |
| 025-VA01-V1-M-284 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VA01-V1-M-285 | N/A | N/A | 37 ± 12 | 19 | 41 ± 13 | 20 |
| 025-VA01-V1-M-286 | N/A | N/A | 32 ± 11 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-287 | N/A | N/A | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-288 | N/A | N/A | 18 ± 8 | 19 | 29 ± 11 | 20 |
| 025-VA01-V1-M-289 | N/A | N/A | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-290 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-291 | N/A | N/A | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 025-VA01-V1-M-292 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-293 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-294 | N/A | N/A | 78 ± 17 | 19 | 31 ± 11 | 20 |
| 025-VA01-V1-M-295 | N/A | N/A | 58 ± 15 | 19 | 65 ± 16 | 20 |
| 025-VA01-V1-M-296 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 025-VA01-V1-M-297 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VA01-V1-M-298 | N/A | N/A | 32 ± 11 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-299 | N/A | N/A | 42 ± 13 | 19 | 39 ± 12 | 20 |
| 025-VA01-V1-M-300 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-301 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-302 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-303 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-304 | N/A | N/A | 472 ± 43 | 19 | 496 ± 44 | 20 |
| 025-VA01-V1-M-305 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-306 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-307 | N/A | N/A | 83 ± 18 | 19 | 61 ± 15 | 20 |
| 025-VA01-V1-M-308 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VA01-V1-M-309 | N/A | N/A | 18 ± 8 | 19 | 29 ± 11 | 20 |
| 025-VA01-V1-M-310 | N/A | N/A | 16 ± 8 | 19 | 27 ± 10 | 20 |
| 025-VA01-V1-M-311 | N/A | N/A | 59 ± 15 | 19 | 70 ± 16 | 20 |
| 025-VA01-V1-M-312 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-313 | N/A | N/A | 53 ± 14 | 19 | 54 ± 14 | 20 |
| 025-VA01-V1-M-314 | N/A | N/A | 33 ± 11 | 19 | 34 ± 11 | 20 |
| 025-VA01-V1-M-315 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VA01-V1-M-316 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VA01-V1-M-317 | N/A | N/A | 31 ± 11 | 19 | 34 ± 11 | 20 |
| 025-VA01-V1-M-318 | N/A | N/A | 21 ± 9 | 19 | 28 ± 10 | 20 |
| 025-VA01-V1-M-319 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-320 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-321 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-322 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VA01-V1-M-323 | N/A | N/A | **118** ± 21 | 19 | **129** ± 22 | 20 |
| 025-VA01-V1-M-324 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 025-VA01-V1-M-325 | N/A | N/A | **121** ± 22 | 19 | **101** ± 20 | 20 |
| 025-VA01-V1-M-326 | N/A | N/A | 26 ± 10 | 19 | 36 ± 12 | 20 |
| 025-VA01-V1-M-327 | N/A | N/A | 26 ± 10 | 19 | 26 ± 10 | 20 |
| 025-VA01-V1-M-328 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 025-VA01-V1-M-329 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VA01-V1-M-330 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 025-VA01-V1-M-331 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VA01-V1-M-332 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 025-VA01-V1-M-333 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 025-VA01-V1-M-334 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VA01-V1-M-335 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |

Summary for Survey Unit # VA01 (335 detail records)

| | | |
|---|---|---|
| **Average** | 23 | 25 |
| **Minimum** | 8 | 9 |
| **Maximum** | 472 | 496 |
| **Standard Deviation** | 29 | 29 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VE01-V2-M-001 | N/A | N/A | ± #E | 19 | 26 ± 10 | 20 |
| 025-VE01-V2-M-002 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-003 | N/A | N/A | 10 ± 6 | 19 | 15 ± 8 | 20 |
| 025-VE01-V2-M-004 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-005 | N/A | N/A | 29 ± 11 | 19 | 47 ± 13 | 20 |
| 025-VE01-V2-M-006 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VE01-V3-M-007 | N/A | N/A | 13 ± 7 | 19 | 12 ± 7 | 20 |
| 025-VE01-V3-M-008 | N/A | N/A | 16 ± 8 | 19 | 28 ± 10 | 20 |
| 025-VE01-V3-M-009 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-010 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-011 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-012 | N/A | N/A | 28 ± 10 | 19 | 39 ± 12 | 20 |
| 025-VE01-V2-M-013 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-014 | N/A | N/A | 19 ± 9 | 19 | 13 ± 7 | 20 |
| 025-VE01-V2-M-015 | N/A | N/A | 9 ± 6 | 19 | 14 ± 7 | 20 |
| 025-VE01-V2-M-016 | N/A | N/A | 26 ± 10 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-017 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-018 | N/A | N/A | 25 ± 10 | 19 | 30 ± 11 | 20 |
| 025-VE01-V2-M-019 | N/A | N/A | 9 ± 6 | 19 | 14 ± 7 | 20 |
| 025-VE01-V3-M-020 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VE01-V3-M-021 | N/A | N/A | 18 ± 8 | 19 | 12 ± 7 | 20 |
| 025-VE01-V2-M-022 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-023 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-024 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-025 | N/A | N/A | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-026 | N/A | N/A | 27 ± 10 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-027 | N/A | N/A | 7 ± 5 | 19 | 13 ± 7 | 20 |
| 025-VE01-V2-M-028 | N/A | N/A | 14 ± 7 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-029 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-030 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 025-VE01-V3-M-031 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VE01-V3-M-032 | N/A | N/A | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 025-VE01-V3-M-033 | N/A | N/A | 16 ± 8 | 19 | 26 ± 10 | 20 |
| 025-VE01-V2-M-034 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VE01-V3-M-035 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VE01-V3-M-036 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VE01-V3-M-037 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 025-VE01-V3-M-038 | N/A | N/A | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 025-VE01-V3-M-039 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V1-M-040 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 025-VE01-V1-M-041 | N/A | N/A | 136 ± 23 | 19 | 129 ± 22 | 20 |
| 025-VE01-V2-M-042 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 025-VE01-V1-M-043 | N/A | N/A | 25 ± 10 | 19 | 14 ± 7 | 20 |
| 025-VE01-V1-M-044 | N/A | N/A | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 025-VE01-V1-M-045 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 025-VE01-V1-M-046 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-047 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-048 | N/A | N/A | 24 ± 10 | 19 | 26 ± 10 | 20 |
| 025-VE01-V2-M-049 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VE01-V1-M-050 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V1-M-051 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 025-VE01-V1-M-052 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 025-VE01-V1-M-053 | N/A | N/A | 67 ± 16 | 19 | 65 ± 16 | 20 |
| 025-VE01-V1-M-054 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-055 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-056 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-057 | N/A | N/A | 38 ± 12 | 19 | 43 ± 13 | 20 |
| 025-VE01-V2-M-058 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-059 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 025-VE01-V2-M-060 | N/A | N/A | 23 ± 9 | 19 | 30 ± 11 | 20 |
| 025-VE01-V2-M-061 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-062 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V1-M-063 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VE01-V1-M-064 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VE01-V1-M-065 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 025-VE01-V1-M-066 | N/A | N/A | 36 ± 12 | 19 | 41 ± 13 | 20 |
| 025-VE01-V1-M-067 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-068 | N/A | N/A | 20 ± 9 | 19 | 37 ± 12 | 20 |
| 025-VE01-V2-M-069 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-070 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VE01-V2-M-071 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 025-VE01-V1-M-072 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 025-VE01-V1-M-073 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 025-VE01-V1-M-074 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VE01-V1-M-075 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-076 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-077 | N/A | N/A | 9 ± 6 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-078 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-079 | N/A | N/A | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-080 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-081 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 025-VE01-V2-M-082 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-083 | N/A | N/A | 18 ± 8 | 19 | 12 ± 7 | 20 |
| 025-VE01-V2-M-084 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 025-VE01-V2-M-085 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-086 | N/A | N/A | 26 ± 10 | 19 | 26 ± 10 | 20 |
| 025-VE01-V1-M-087 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 025-VE01-V1-M-088 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-089 | N/A | N/A | 28 ± 10 | 19 | 28 ± 10 | 20 |
| 025-VE01-V1-M-090 | N/A | N/A | 14 ± 7 | 19 | 11 ± 7 | 20 |
| 025-VE01-V2-M-091 | N/A | N/A | 12 ± 7 | 19 | 22 ± 9 | 20 |
| 025-VE01-V1-M-092 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VE01-V1-M-093 | N/A | N/A | 24 ± 10 | 19 | 26 ± 10 | 20 |
| 025-VE01-V1-M-094 | N/A | N/A | 19 ± 9 | 19 | 26 ± 10 | 20 |
| 025-VE01-V2-M-095 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 025-VE01-V1-M-096 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 025-VE01-V1-M-097 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 025-VE01-V1-M-098 | N/A | N/A | 29 ± 11 | 19 | 20 ± 9 | 20 |
| 025-VE01-V1-M-099 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 025-VE01-V1-M-100 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VE01-V1-M-101 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-102 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-103 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VE01-V1-M-104 | N/A | N/A | 17 ± 8 | 19 | 27 ± 10 | 20 |
| 025-VE01-V1-M-105 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VE01-V1-M-106 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VE01-V1-M-107 | N/A | N/A | 31 ± 11 | 19 | 33 ± 11 | 20 |
| 025-VE01-V1-M-108 | N/A | N/A | 45 ± 13 | 19 | 35 ± 12 | 20 |
| 025-VE01-V2-M-109 | N/A | N/A | 27 ± 10 | 19 | 39 ± 12 | 20 |
| 025-VE01-V2-M-110 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-111 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-112 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 025-VE01-V1-M-113 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 025-VE01-V1-M-114 | N/A | N/A | 12 ± 7 | 19 | 11 ± 7 | 20 |
| 025-VE01-V1-M-115 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 025-VE01-V1-M-116 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-117 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-118 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-119 | N/A | N/A | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 025-VE01-V2-M-120 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-121 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-122 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-123 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 025-VE01-V2-M-124 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 025-VE01-V2-M-125 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-126 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-127 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-128 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-129 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-130 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V1-M-131 | N/A | N/A | 22 ± 9 | 19 | 31 ± 11 | 20 |
| 025-VE01-V2-M-132 | N/A | N/A | 10 ± 6 | 19 | 21 ± 9 | 20 |
| 025-VE01-V1-M-133 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-134 | N/A | N/A | 20 ± 9 | 19 | 27 ± 10 | 20 |
| 025-VE01-V2-M-135 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-136 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VE01-V1-M-137 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VE01-V1-M-138 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VE01-V1-M-139 | N/A | N/A | 27 ± 10 | 19 | 26 ± 10 | 20 |
| 025-VE01-V2-M-140 | N/A | N/A | 20 ± 9 | 19 | 29 ± 11 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VE01-V2-M-141 | N/A | N/A | 14 ± 7 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-142 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 025-VE01-V1-M-143 | N/A | N/A | 48 ± 14 | 19 | 69 ± 16 | 20 |
| 025-VE01-V1-M-144 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-145 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-146 | N/A | N/A | 24 ± 10 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-147 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-148 | N/A | N/A | 24 ± 10 | 19 | 26 ± 10 | 20 |
| 025-VE01-V2-M-149 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-150 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-151 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-152 | N/A | N/A | 12 ± 7 | 19 | 9 ± 6 | 20 |
| 025-VE01-V2-M-153 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-154 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-155 | N/A | N/A | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 025-VE01-V1-M-156 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-157 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-158 | N/A | N/A | 24 ± 10 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-159 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 025-VE01-V2-M-160 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VE01-V1-M-161 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-162 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-163 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-164 | N/A | N/A | 27 ± 10 | 19 | 28 ± 10 | 20 |
| 025-VE01-V2-M-165 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-166 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-167 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-168 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 025-VE01-V2-M-169 | N/A | N/A | 10 ± 6 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-170 | N/A | N/A | 12 ± 7 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-171 | N/A | N/A | 12 ± 7 | 19 | 11 ± 7 | 20 |
| 025-VE01-V2-M-172 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-173 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-174 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-175 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VE01-V2-M-176 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-177 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-178 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VE01-V1-M-179 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-180 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 025-VE01-V2-M-181 | N/A | N/A | 28 ± 10 | 19 | 19 ± 9 | 20 |
| 025-VE01-V1-M-182 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 025-VE01-V1-M-183 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-184 | N/A | N/A | 32 ± 11 | 19 | 33 ± 11 | 20 |
| 025-VE01-V2-M-185 | N/A | N/A | 15 ± 8 | 19 | 11 ± 7 | 20 |
| 025-VE01-V2-M-186 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-187 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 025-VE01-V1-M-188 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-189 | N/A | N/A | 14 ± 7 | 19 | 12 ± 7 | 20 |
| 025-VE01-V2-M-190 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-191 | N/A | N/A | 26 ± 10 | 19 | 28 ± 10 | 20 |
| 025-VE01-V1-M-192 | N/A | N/A | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 025-VE01-V1-M-193 | N/A | N/A | 23 ± 9 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-194 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-195 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-196 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-197 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-198 | N/A | N/A | 24 ± 10 | 19 | 29 ± 11 | 20 |
| 025-VE01-V2-M-199 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 025-VE01-V2-M-200 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 025-VE01-V2-M-201 | N/A | N/A | 19 ± 9 | 19 | 26 ± 10 | 20 |
| 025-VE01-V2-M-202 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-203 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-204 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-205 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-206 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-207 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-208 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-209 | N/A | N/A | 28 ± 10 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-210 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VE01-V2-M-211 | N/A | N/A | 25 ± 10 | 19 | 31 ± 11 | 20 |
| 025-VE01-V2-M-212 | N/A | N/A | 11 ± 7 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-213 | N/A | N/A | 22 ± 9 | 19 | 27 ± 10 | 20 |
| 025-VE01-V2-M-214 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-215 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-216 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-217 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-218 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-219 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 025-VE01-V2-M-220 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 025-VE01-V1-M-221 | N/A | N/A | 23 ± 9 | 19 | 26 ± 10 | 20 |
| 025-VE01-V2-M-222 | N/A | N/A | 12 ± 7 | 19 | 13 ± 7 | 20 |
| 025-VE01-V2-M-223 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-224 | N/A | N/A | 11 ± 7 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-225 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-226 | N/A | N/A | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 025-VE01-V2-M-227 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 025-VE01-V2-M-228 | N/A | N/A | 21 ± 9 | 19 | 30 ± 11 | 20 |
| 025-VE01-V2-M-229 | N/A | N/A | 23 ± 9 | 19 | 28 ± 10 | 20 |
| 025-VE01-V1-M-230 | N/A | N/A | 24 ± 10 | 19 | 27 ± 10 | 20 |
| 025-VE01-V2-M-231 | N/A | N/A | 23 ± 9 | 19 | 18 ± 8 | 20 |
| 025-VE01-V1-M-232 | N/A | N/A | 11 ± 7 | 19 | 16 ± 8 | 20 |
| 025-VE01-V1-M-233 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-234 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 025-VE01-V2-M-235 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VE01-V1-M-236 | N/A | N/A | 24 ± 10 | 19 | 33 ± 11 | 20 |
| 025-VE01-V1-M-237 | N/A | N/A | 91 ± 19 | 19 | 92 ± 19 | 20 |
| 025-VE01-V2-M-238 | N/A | N/A | 10 ± 6 | 19 | 14 ± 7 | 20 |
| 025-VE01-V2-M-239 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-240 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-241 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VE01-V1-M-242 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-243 | N/A | N/A | 12 ± 7 | 19 | 10 ± 6 | 20 |
| 025-VE01-V2-M-244 | N/A | N/A | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 025-VE01-V1-M-245 | N/A | N/A | 13 ± 7 | 19 | 20 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VE01-V1-M-246 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-247 | N/A | N/A | 16 ± 8 | 19 | 11 ± 7 | 20 |
| 025-VE01-V2-M-248 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-249 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-250 | N/A | N/A | 25 ± 10 | 19 | 32 ± 11 | 20 |
| 025-VE01-V2-M-251 | N/A | N/A | 19 ± 9 | 19 | 12 ± 7 | 20 |
| 025-VE01-V2-M-252 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 025-VE01-V2-M-253 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-254 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-255 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-256 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 025-VE01-V2-M-257 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-258 | N/A | N/A | 11 ± 7 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-259 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-260 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-261 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-262 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-263 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VE01-V1-M-264 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-265 | N/A | N/A | 24 ± 10 | 19 | 29 ± 11 | 20 |
| 025-VE01-V2-M-266 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-267 | N/A | N/A | 10 ± 6 | 19 | 14 ± 7 | 20 |
| 025-VE01-V2-M-268 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-269 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 025-VE01-V2-M-270 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VE01-V1-M-271 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 025-VE01-V1-M-272 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 025-VE01-V1-M-273 | N/A | N/A | 11 ± 7 | 19 | 13 ± 7 | 20 |
| 025-VE01-V1-M-274 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-275 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-276 | N/A | N/A | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 025-VE01-V2-M-277 | N/A | N/A | 18 ± 8 | 19 | 30 ± 11 | 20 |
| 025-VE01-V2-M-278 | N/A | N/A | 16 ± 8 | 19 | 26 ± 10 | 20 |
| 025-VE01-V1-M-279 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VE01-V1-M-280 | N/A | N/A | 16 ± 8 | 19 | 30 ± 11 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VE01-V2-M-281 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-282 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VE01-V1-M-283 | N/A | N/A | 23 ± 9 | 19 | 30 ± 11 | 20 |
| 025-VE01-V2-M-284 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 025-VE01-V1-M-285 | N/A | N/A | 30 ± 11 | 19 | 27 ± 10 | 20 |
| 025-VE01-V2-M-286 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-287 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VE01-V1-M-288 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-289 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-290 | N/A | N/A | 12 ± 7 | 19 | 13 ± 7 | 20 |
| 025-VE01-V2-M-291 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V1-M-292 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 025-VE01-V2-M-293 | N/A | N/A | 12 ± 7 | 19 | 25 ± 10 | 20 |
| 025-VE01-V1-M-294 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-295 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-296 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 025-VE01-V1-M-297 | N/A | N/A | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 025-VE01-V1-M-298 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-299 | N/A | N/A | 19 ± 9 | 19 | 13 ± 7 | 20 |
| 025-VE01-V2-M-300 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VE01-V1-M-301 | N/A | N/A | 9 ± 6 | 19 | 15 ± 8 | 20 |
| 025-VE01-V1-M-302 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 025-VE01-V1-M-303 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 025-VE01-V1-M-304 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VE01-V1-M-305 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VE01-V1-M-306 | N/A | N/A | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-307 | N/A | N/A | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 025-VE01-V2-M-308 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-309 | N/A | N/A | 12 ± 7 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-310 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-311 | N/A | N/A | 27 ± 10 | 19 | 28 ± 10 | 20 |
| 025-VE01-V2-M-312 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-313 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-314 | N/A | N/A | 23 ± 9 | 19 | 26 ± 10 | 20 |
| 025-VE01-V2-M-315 | N/A | N/A | 16 ± 8 | 19 | 11 ± 7 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VE01-V2-M-316 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-317 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-318 | N/A | N/A | 15 ± 8 | 19 | 17 ● 8 | 20 |
| 025-VE01-V2-M-319 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-320 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-321 | N/A | N/A | 27 ± 10 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-322 | N/A | N/A | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-323 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-324 | N/A | N/A | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-325 | N/A | N/A | 29 ± 11 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-326 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-327 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-328 | N/A | N/A | 26 ± 10 | 19 | 26 ± 10 | 20 |
| 025-VE01-V2-M-329 | N/A | N/A | 26 ± 10 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-330 | N/A | N/A | 27 ± 10 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-331 | N/A | N/A | 15 ± 8 | 19 | 11 ± 7 | 20 |
| 025-VE01-V2-M-332 | N/A | N/A | 28 ± 10 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-333 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-334 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-335 | N/A | N/A | 30 ± 11 | 19 | 15 ± 8 | 20 |
| 025-VE01-V2-M-336 | N/A | N/A | 17 ± 8 | 19 | 12 ± 7 | 20 |
| 025-VE01-V2-M-337 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-338 | N/A | N/A | 29 ± 11 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-339 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 025-VE01-V2-M-340 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-341 | N/A | N/A | 15 ± 8 | 19 | 12 ± 7 | 20 |
| 025-VE01-V2-M-342 | N/A | N/A | 25 ± 10 | 19 | 15 ± 8 | 20 |
| 025-VE01-V2-M-343 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-344 | N/A | N/A | 27 ± 10 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-345 | N/A | N/A | 9 ± 6 | 19 | 9 ± 6 | 20 |
| 025-VE01-V2-M-346 | N/A | N/A | 29 ± 11 | 19 | 22 ± 9 | 20 |
| 025-VE01-V1-M-347 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-348 | N/A | N/A | 31 ± 11 | 19 | 27 ± 10 | 20 |
| 025-VE01-V1-M-349 | N/A | N/A | 31 ± 11 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-350 | N/A | N/A | 17 ± 8 | 19 | 17 ● 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VE01-V2-M-351 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-352 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 025-VE01-V2-M-353 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 025-VE01-V1-M-354 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 025-VE01-V1-M-355 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 025-VE01-V2-M-356 | N/A | N/A | 22 ± 9 | 19 | 30 ± 11 | 20 |
| 025-VE01-V1-M-357 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VE01-V1-M-358 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-359 | N/A | N/A | 28 ± 10 | 19 | 22 ± 9 | 20 |
| 025-VE01-V1-M-360 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 025-VE01-V1-M-361 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 025-VE01-V1-M-362 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-363 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-364 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-365 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 025-VE01-V1-M-366 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 025-VE01-V1-M-367 | N/A | N/A | **228** ± 30 | 19 | **190** ± 27 | 20 |
| 025-VE01-V2-M-368 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-369 | N/A | N/A | 15 ± 8 | 19 | 10 ± 6 | 20 |
| 025-VE01-V2-M-370 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-371 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 025-VE01-V2-M-372 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-373 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-374 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-375 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-376 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-377 | N/A | N/A | 15 ± 8 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-378 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 025-VE01-V2-M-379 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 025-VE01-V2-M-380 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 025-VE01-V2-M-381 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-382 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-383 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 025-VE01-V2-M-384 | N/A | N/A | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-385 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VE01-V2-M-386 | N/A | N/A | 31 ± 11 | 19 | 27 ± 10 | 20 |
| 025-VE01-V2-M-387 | N/A | N/A | 19 ± 9 | 19 | 14 ± 7 | 20 |
| 025-VE01-V2-M-388 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-389 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VE01-V1-M-390 | N/A | N/A | 11 ± 7 | 19 | 11 ± 7 | 20 |
| 025-VE01-V2-M-391 | N/A | N/A | 16 ± 8 | 19 | 27 ± 10 | 20 |
| 025-VE01-V1-M-392 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-393 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 025-VE01-V2-M-394 | N/A | N/A | 19 ± 9 | 19 | 28 ± 10 | 20 |
| 025-VE01-V2-M-395 | N/A | N/A | 12 ± 7 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-396 | N/A | N/A | 15 ± 8 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-397 | N/A | N/A | 19 ± 9 | 19 | 14 ± 7 | 20 |
| 025-VE01-V2-M-398 | N/A | N/A | 15 ± 8 | 19 | 25 ± 10 | 20 |
| 025-VE01-V2-M-399 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-400 | N/A | N/A | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-401 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 025-VE01-V2-M-402 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-403 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 025-VE01-V2-M-404 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-405 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-406 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-407 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-408 | N/A | N/A | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 025-VE01-V2-M-409 | N/A | N/A | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 025-VE01-V2-M-410 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 025-VE01-V2-M-411 | N/A | N/A | 20 ± 9 | 19 | 30 ± 11 | 20 |
| 025-VE01-V2-M-412 | N/A | N/A | 15 ± 8 | 19 | 12 ± 7 | 20 |
| 025-VE01-V2-M-413 | N/A | N/A | 11 ± 7 | 19 | 24 ± 10 | 20 |
| 025-VE01-V2-M-414 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-415 | N/A | N/A | 11 ± 7 | 19 | 12 ± 7 | 20 |
| 025-VE01-V1-M-416 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-417 | N/A | N/A | 24 ± 10 | 19 | 26 ± 10 | 20 |
| 025-VE01-V2-M-418 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-419 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-420 | N/A | N/A | 11 ± 7 | 19 | 15 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 025 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-VE01-V2-M-421 | N/A | N/A | 25 ± 10 | 19 | 30 ± 11 | 20 |
| 025-VE01-V2-M-422 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 025-VE01-V2-M-423 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-424 | N/A | N/A | 36 ± 12 | 19 | 35 ± 12 | 20 |
| 025-VE01-V2-M-425 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-426 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-427 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 025-VE01-V2-M-428 | N/A | N/A | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 025-VE01-V2-M-429 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-430 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-431 | N/A | N/A | 14 ± 7 | 19 | 25 ± 10 | 20 |
| 025-VE01-V2-M-432 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-433 | N/A | N/A | 28 ± 10 | 19 | 23 ± 9 | 20 |
| 025-VE01-V2-M-434 | N/A | N/A | 26 ± 10 | 19 | 31 ± 11 | 20 |
| 025-VE01-V2-M-435 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 025-VE01-V2-M-436 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 025-VE01-V2-M-437 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 025-VE01-V2-M-438 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 025-VE01-V2-M-439 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 025-VE01-V2-M-440 | N/A | N/A | 17 ± 8 | 19 | 10 ± 6 | 20 |
| Summary for Survey Unit # VE01 (440 detail records) | | | | | | |
| **Average** | | | 20 | | 21 | |
| **Minimum** | | | 7 | | 9 | |
| **Maximum** | | | 228 | | 190 | |
| **Standard Deviation** | | | 13 | | 12 | |
| Summary for Building # 025 (1129 detail records) | | | | | | |
| **Avg** | | | 44 | | 37 | |
| **Min** | | | 7 | | 6 | |
| **Max** | | | 6228 | | 4733 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-DR01-D2-M-001 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 026-DR01-D3-M-002 | N/A | N/A | **130** ± 22 | 19 | 55 ± 15 | 20 |
| 026-DR01-D3-M-003 | N/A | N/A | 32 ± 11 | 19 | 22 ± 9 | 20 |
| 026-DR01-D1-M-004 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 026-DR01-D3-M-005 | N/A | N/A | 73 ± 17 | 19 | 37 ± 12 | 20 |
| 026-DR01-D3-M-006 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 026-DR01-D3-M-007 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 026-DR01-D1-M-008 | N/A | N/A | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 026-DR01-D3-M-009 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 026-DR01-D3-M-010 | N/A | N/A | 25 ± 10 | 19 | 31 ± 11 | 20 |
| 026-DR01-D3-M-011 | N/A | N/A | 13 ± 7 | 19 | 21 ± 9 | 20 |
| 026-DR01-D3-M-012 | N/A | N/A | 33 ± 11 | 19 | 20 ± 9 | 20 |
| 026-DR01-D1-M-013 | N/A | N/A | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 026-DR01-D3-M-014 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 026-DR01-D3-M-015 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 026-DR01-D3-M-016 | N/A | N/A | 19 ± 9 | 19 | 28 ± 10 | 20 |
| 026-DR01-D3-M-017 | N/A | N/A | 26 ± 10 | 19 | 21 ± 9 | 20 |
| 026-DR01-D3-M-018 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 026-DR01-D3-M-019 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 026-DR01-D3-M-020 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 026-DR01-D3-M-021 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 026-DR01-D3-M-022 | N/A | N/A | 60 ± 15 | 19 | 34 ± 11 | 20 |
| 026-DR01-D3-M-023 | N/A | N/A | 10 ± 6 | 19 | 14 ± 7 | 20 |
| 026-DR01-D3-M-024 | N/A | N/A | 16 ± 8 | 19 | 10 ± 6 | 20 |
| 026-DR01-D3-M-025 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 026-DR01-D1-M-026 | N/A | N/A | 27 ± 10 | 19 | 30 ± 11 | 20 |
| 026-DR01-D3-M-027 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 026-DR01-D3-M-028 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 026-DR01-D3-M-029 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 026-DR01-D1-M-030 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 026-DR01-D3-M-031 | N/A | N/A | 24 ± 10 | 19 | 27 ± 10 | 20 |
| 026-DR01-D3-M-032 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 026-DR01-D3-M-033 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 026-DR01-D1-M-034 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 026-DR01-D3-M-035 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-DR01-D3-M-036 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 026-DR01-D3-M-037 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 026-DR01-D1-M-038 | N/A | N/A | 10 ± 6 | 19 | 13 ± 7 | 20 |
| 026-DR01-D3-M-039 | N/A | N/A | 12 ± 7 | 19 | 18 ± 8 | 20 |
| 026-DR01-D3-M-040 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 026-DR01-D3-M-041 | N/A | N/A | 22 ± 9 | 19 | 29 ± 11 | 20 |
| 026-DR01-D1-M-042 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 026-DR01-D3-M-043 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 026-DR01-D3-M-044 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 026-DR01-D3-M-045 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 026-DR01-D1-M-046 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 026-DR01-D3-M-047 | N/A | N/A | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 026-DR01-D3-M-048 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 026-DR01-D3-M-049 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 026-DR01-D3-M-050 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 026-DR01-D3-M-051 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 026-DR01-D3-M-052 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 026-DR01-D3-M-053 | N/A | N/A | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 026-DR01-D3-M-054 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 026-DR01-D3-M-055 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 026-DR01-D3-M-056 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 026-DR01-D3-M-057 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 026-DR01-D3-M-058 | N/A | N/A | 12 ± 7 | 19 | 19 ± 9 | 20 |
| 026-DR01-D1-M-059 | N/A | N/A | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 026-DR01-D3-M-060 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 026-DR01-D3-M-061 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 026-DR01-D3-M-062 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 026-DR01-D1-M-063 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 026-DR01-D3-M-064 | N/A | N/A | 11 ± 7 | 19 | 12 ± 7 | 20 |
| 026-DR01-D3-M-065 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 026-DR01-D3-M-066 | N/A | N/A | 13 ± 7 | 19 | 13 ± 7 | 20 |
| 026-DR01-D1-M-067 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 026-DR01-D3-M-068 | N/A | N/A | 18 ± 8 | 19 | 28 ± 10 | 20 |
| 026-DR01-D3-M-069 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 026-DR01-D2-M-070 | N/A | N/A | 23 ± 9 | 19 | 12 ± 7 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-DR01-D3-M-071 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 026-DR01-D2-M-072 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 026-DR01-D2-M-073 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 026-DR01-D3-M-074 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 026-DR01-D3-M-075 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 026-DR01-D3-M-076 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 026-DR01-D1-M-077 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 026-DR01-D3-M-078 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 026-DR01-D3-M-079 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 026-DR01-D3-M-080 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 026-DR01-D1-M-081 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 026-DR01-D3-M-082 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 026-DR01-D3-M-083 | N/A | N/A | 10 ± 6 | 19 | 18 ± 8 | 20 |
| 026-DR01-D3-M-084 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 026-DR01-D1-M-085 | N/A | N/A | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 026-DR01-D3-M-086 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 026-DR01-D3-M-087 | N/A | N/A | 23 ± 9 | 19 | 17 ± 8 | 20 |
| 026-DR01-D3-M-088 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 026-DR01-D3-M-089 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 026-DR01-D3-M-090 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 026-DR01-D3-M-091 | N/A | N/A | 11 ± 7 | 19 | 15 ± 8 | 20 |
| 026-DR01-D3-M-092 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 026-DR01-D3-M-093 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 026-DR01-D3-M-094 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 026-DR01-D3-M-095 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 026-DR01-D3-M-096 | N/A | N/A | 19 ± 9 | 19 | 28 ± 10 | 20 |
| 026-DR01-D3-M-097 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 026-DR01-D1-M-098 | N/A | N/A | 22 ± 9 | 19 | 28 ± 10 | 20 |
| 026-DR01-D3-M-099 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 026-DR01-D3-M-100 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 026-DR01-D3-M-101 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 026-DR01-D1-M-102 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 026-DR01-D3-M-103 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 026-DR01-D3-M-104 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 026-DR01-D3-M-105 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-DR01-D1-M-106 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 026-DR01-D3-M-107 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 026-DR01-D3-M-108 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 026-DR01-D3-M-109 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 026-DR01-D1-M-110 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 026-DR01-D3-M-111 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 026-DR01-D3-M-112 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 026-DR01-D3-M-113 | N/A | N/A | 15 ± 8 | 19 | 23 ± 9 | 20 |
| 026-DR01-D1-M-114 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 026-DR01-D3-M-115 | N/A | N/A | 26 ± 10 | 19 | 25 ± 10 | 20 |
| 026-DR01-D3-M-116 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 026-DR01-D3-M-117 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 026-DR01-D1-M-118 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 026-DR01-D3-M-119 | N/A | N/A | 40 ± 12 | 19 | 62 ± 15 | 20 |
| 026-DR01-D3-M-120 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 026-DR01-D3-M-121 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 026-DR01-D3-M-122 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 026-DR01-D3-M-123 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 026-DR01-D3-M-124 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 026-DR01-D3-M-125 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 026-DR01-D3-M-126 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 026-DR01-D3-M-127 | N/A | N/A | 26 ± 10 | 19 | 27 ± 10 | 20 |
| 026-DR01-D3-M-128 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 026-DR01-D3-M-129 | N/A | N/A | 25 ± 10 | 19 | 18 ± 8 | 20 |
| 026-DR01-D3-M-130 | N/A | N/A | 20 ± 9 | 19 | 13 ± 7 | 20 |
| 026-DR01-D3-M-131 | N/A | N/A | 27 ± 10 | 19 | 22 ± 9 | 20 |
| 026-DR01-D1-M-132 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 026-DR01-D3-M-133 | N/A | N/A | 13 ± 7 | 19 | 24 ± 10 | 20 |
| 026-DR01-D3-M-134 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 026-DR01-D3-M-135 | N/A | N/A | **1408** ± 74 | 19 | **186** ± 27 | 20 |
| 026-DR01-D1-M-136 | N/A | N/A | 39 ± 12 | 19 | 21 ± 9 | 20 |
| 026-DR01-D3-M-137 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 026-DR01-D3-M-138 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 026-DR01-D3-M-139 | N/A | N/A | 28 ± 10 | 19 | 22 ± 9 | 20 |
| 026-DR01-D1-M-140 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-DR01-D2-M-141 | N/A | N/A | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 026-DR01-D2-M-142 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 026-DR01-D2-M-143 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 026-DR01-D3-M-144 | N/A | N/A | 21 ± 9 | 19 | 15 ± 8 | 20 |
| 026-DR01-D2-M-145 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 026-DR01-D2-M-146 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 026-DR01-D2-M-147 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 026-DR01-D2-M-148 | N/A | N/A | 31 ± 11 | 19 | 29 ± 11 | 20 |
| 026-DR01-D2-M-149 | N/A | N/A | 29 ± 11 | 19 | 35 ± 12 | 20 |
| 026-DR01-D2-M-150 | N/A | N/A | 19 ± 9 | 19 | 27 ± 10 | 20 |

Summary for Survey Unit # DR01 (150 detail records)

| | | |
|---|---|---|
| **Average** | 30 | 22 |
| **Minimum** | 10 | 10 |
| **Maximum** | 1408 | 186 |
| **Standard Deviation** | 114 | 15 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-VA01-V1-M-001 | N/A | N/A | 15 ± 8 | 19 | 20 ● 9 | 20 |
| 026-VA01-V1-M-002 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-003 | N/A | N/A | 21 ± 9 | 19 | 22 ● 9 | 20 |
| 026-VA01-V1-M-004 | N/A | N/A | 18 ± 8 | 19 | 29 ± 11 | 20 |
| 026-VA01-V1-M-005 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-006 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-007 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-008 | N/A | N/A | 12 ± 7 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-009 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-010 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-011 | N/A | N/A | 28 ± 10 | 19 | 27 ± 10 | 20 |
| 026-VA01-V1-M-012 | N/A | N/A | 11 ± 7 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-013 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-014 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 026-VA01-V1-M-015 | N/A | N/A | 16 ± 8 | 19 | 21 ● 9 | 20 |
| 026-VA01-V1-M-016 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-017 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-018 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-019 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-020 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-021 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 026-VA01-V1-M-022 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-023 | N/A | N/A | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-024 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-025 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-026 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-027 | N/A | N/A | 10 ± 6 | 19 | 14 ± 7 | 20 |
| 026-VA01-V1-M-028 | N/A | N/A | 29 ± 11 | 19 | 26 ± 10 | 20 |
| 026-VA01-V1-M-029 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-030 | N/A | N/A | 27 ± 10 | 19 | 18 ± 8 | 20 |
| 026-VA01-V1-M-031 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-032 | N/A | N/A | 14 ± 7 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-033 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-034 | N/A | N/A | 19 ± 9 | 19 | 29 ± 11 | 20 |
| 026-VA01-V1-M-035 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-VA01-V1-M-036 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 026-VA01-V1-M-037 | N/A | N/A | 19 ± 9 | 19 | 26 ± 10 | 20 |
| 026-VA01-V1-M-038 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-039 | N/A | N/A | 23 ± 9 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-040 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-041 | N/A | N/A | 15 ± 8 | 19 | 23 ± 9 | 20 |
| 026-VA01-V1-M-042 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VA01-V1-M-043 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-044 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-045 | N/A | N/A | 20 ± 9 | 19 | 27 ± 10 | 20 |
| 026-VA01-V1-M-046 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 026-VA01-V1-M-047 | N/A | N/A | 67 ± 16 | 19 | 32 ± 11 | 20 |
| 026-VA01-V1-M-048 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-049 | N/A | N/A | 17 ± 8 | 19 | 12 ± 7 | 20 |
| 026-VA01-V1-M-050 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-051 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-052 | N/A | N/A | 13 ± 7 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-053 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 026-VA01-V1-M-054 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-055 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-056 | N/A | N/A | 21 ± 9 | 19 | 29 ± 11 | 20 |
| 026-VA01-V1-M-057 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-058 | N/A | N/A | 18 ± 8 | 19 | 28 ± 10 | 20 |
| 026-VA01-V1-M-059 | N/A | N/A | 17 ± 8 | 19 | 27 ± 10 | 20 |
| 026-VA01-V1-M-060 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-061 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 026-VA01-V1-M-062 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-063 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-064 | N/A | N/A | 26 ± 10 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-065 | N/A | N/A | 12 ± 7 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-066 | N/A | N/A | 16 ± 8 | 19 | 13 ± 7 | 20 |
| 026-VA01-V1-M-067 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-068 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 026-VA01-V1-M-069 | N/A | N/A | 12 ± 7 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-070 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-VA01-V1-M-071 | N/A | N/A | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-072 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-073 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 026-VA01-V1-M-074 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-075 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VA01-V1-M-076 | N/A | N/A | 23 ± 9 | 19 | 30 ± 11 | 20 |
| 026-VA01-V1-M-077 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 026-VA01-V1-M-078 | N/A | N/A | 13 ± 7 | 19 | 24 ± 10 | 20 |
| 026-VA01-V1-M-079 | N/A | N/A | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 026-VA01-V1-M-080 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 026-VA01-V1-M-081 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 026-VA01-V1-M-082 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-083 | N/A | N/A | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 026-VA01-V1-M-084 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-085 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VA01-V1-M-086 | N/A | N/A | 26 ± 10 | 19 | 29 ± 11 | 20 |
| 026-VA01-V1-M-087 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-088 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-089 | N/A | N/A | 23 ± 9 | 19 | 29 ± 11 | 20 |
| 026-VA01-V1-M-090 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-091 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VA01-V1-M-092 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-093 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 026-VA01-V1-M-094 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 026-VA01-V1-M-095 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VA01-V1-M-096 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-097 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 026-VA01-V1-M-098 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VA01-V1-M-099 | N/A | N/A | 29 ± 11 | 19 | 27 ± 10 | 20 |
| 026-VA01-V1-M-100 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-101 | N/A | N/A | 24 ± 10 | 19 | 16 ± 8 | 20 |
| 026-VA01-V1-M-102 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-103 | N/A | N/A | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 026-VA01-V1-M-104 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-105 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-VA01-V1-M-106 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-107 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 026-VA01-V1-M-108 | N/A | N/A | 10 ± 6 | 19 | 20 ± 9 | 20 |
| 026-VA01-V1-M-109 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 026-VA01-V1-M-110 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 026-VA01-V1-M-111 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-112 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VA01-V1-M-113 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-114 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VA01-V1-M-115 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-116 | N/A | N/A | 12 ± 7 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-117 | N/A | N/A | 25 ± 10 | 19 | 28 ± 10 | 20 |
| 026-VA01-V1-M-118 | N/A | N/A | 19 ± 9 | 19 | 13 ± 7 | 20 |
| 026-VA01-V1-M-119 | N/A | N/A | 28 ± 10 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-120 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VA01-V1-M-121 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-122 | N/A | N/A | 23 ± 9 | 19 | 26 ± 10 | 20 |
| 026-VA01-V1-M-123 | N/A | N/A | 12 ± 7 | 19 | 13 ± 7 | 20 |
| 026-VA01-V1-M-124 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-125 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-126 | N/A | N/A | 13 ± 7 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-127 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 026-VA01-V1-M-128 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 026-VA01-V1-M-129 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 026-VA01-V1-M-130 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 026-VA01-V1-M-131 | N/A | N/A | 11 ± 7 | 19 | 18 ± 8 | 20 |
| 026-VA01-V1-M-132 | N/A | N/A | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 026-VA01-V1-M-133 | N/A | N/A | 12 ± 7 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-134 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 026-VA01-V1-M-135 | N/A | N/A | 20 ± 9 | 19 | 14 ± 7 | 20 |
| 026-VA01-V1-M-136 | N/A | N/A | 20 ± 9 | 19 | 27 ± 10 | 20 |
| 026-VA01-V1-M-137 | N/A | N/A | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-138 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-139 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-140 | N/A | N/A | 12 ± 7 | 19 | 20 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-VA01-V1-M-141 | N/A | N/A | 26 ± 10 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-142 | N/A | N/A | 13 ± 7 | 19 | 24 ± 10 | 20 |
| 026-VA01-V1-M-143 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 026-VA01-V1-M-144 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-145 | N/A | N/A | 20 ± 9 | 19 | 27 ± 10 | 20 |
| 026-VA01-V1-M-146 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 026-VA01-V1-M-147 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-148 | N/A | N/A | 30 ± 11 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-149 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-150 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-151 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-152 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 026-VA01-V1-M-153 | N/A | N/A | 24 ± 10 | 19 | 29 ± 11 | 20 |
| 026-VA01-V1-M-154 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 026-VA01-V1-M-155 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-156 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-157 | N/A | N/A | 13 ± 7 | 19 | 10 ± 6 | 20 |
| 026-VA01-V1-M-158 | N/A | N/A | 12 ± 7 | 19 | 14 ± 7 | 20 |
| 026-VA01-V1-M-159 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 026-VA01-V1-M-160 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-161 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 026-VA01-V1-M-162 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-163 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-164 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-165 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-166 | N/A | N/A | 12 ± 7 | 19 | 13 ± 7 | 20 |
| 026-VA01-V1-M-167 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 026-VA01-V1-M-168 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-169 | N/A | N/A | 15 ± 8 | 19 | 24 ± 10 | 20 |
| 026-VA01-V1-M-170 | N/A | N/A | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-171 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 026-VA01-V1-M-172 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 026-VA01-V1-M-173 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-174 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 026-VA01-V1-M-175 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-VA01-V1-M-176 | N/A | N/A | 31 ± 11 | 19 | 28 ± 10 | 20 |
| 026-VA01-V1-M-177 | N/A | N/A | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-178 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-179 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-180 | N/A | N/A | 6 ± 5 | 19 | 13 ± 7 | 20 |
| 026-VA01-V1-M-181 | N/A | N/A | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-182 | N/A | N/A | 51 ± 14 | 19 | 83 ± 18 | 20 |
| 026-VA01-V1-M-183 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-184 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 026-VA01-V1-M-185 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-186 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 026-VA01-V1-M-187 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-188 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-189 | N/A | N/A | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 026-VA01-V1-M-190 | N/A | N/A | 23 ± 9 | 19 | 28 ± 10 | 20 |
| 026-VA01-V1-M-191 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-192 | N/A | N/A | 22 ± 9 | 19 | 16 ± 8 | 20 |
| 026-VA01-V1-M-193 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-194 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VA01-V1-M-195 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 026-VA01-V1-M-196 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 026-VA01-V1-M-197 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-198 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 026-VA01-V1-M-199 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 026-VA01-V1-M-200 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-201 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VA01-V1-M-202 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 026-VA01-V1-M-203 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-204 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 026-VA01-V1-M-205 | N/A | N/A | 12 ± 7 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-206 | N/A | N/A | 16 ± 8 | 19 | 27 ± 10 | 20 |
| 026-VA01-V1-M-207 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-208 | N/A | N/A | 13 ± 7 | 19 | 11 ± 7 | 20 |
| 026-VA01-V1-M-209 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 026-VA01-V1-M-210 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-VA01-V1-M-211 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 026-VA01-V1-M-212 | N/A | N/A | 11 ± 7 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-213 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 026-VA01-V1-M-214 | N/A | N/A | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 026-VA01-V1-M-215 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VA01-V1-M-216 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 026-VA01-V1-M-217 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 026-VA01-V1-M-218 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 026-VA01-V1-M-219 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 026-VA01-V1-M-220 | N/A | N/A | 31 ± 11 | 19 | 29 ± 11 | 20 |
| 026-VA01-V1-M-221 | N/A | N/A | 28 ± 10 | 19 | 17 ± 8 | 20 |
| 026-VA01-V1-M-222 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 026-VA01-V2-M-223 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 026-VA01-V2-M-224 | N/A | N/A | 33 ± 11 | 19 | 18 ± 8 | 20 |

Summary for Survey Unit # VA01 (224 detail records)

| | | |
|---|---|---|
| **Average** | 19 | 21 |
| **Minimum** | 6 | 10 |
| **Maximum** | 67 | 83 |
| **Standard Deviation** | 6 | 6 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-VE01-V3-M-001 | N/A | N/A | 12 ± 7 | 19 | 18 ± 8 | 20 |
| 026-VE01-V3-M-002 | N/A | N/A | 11 ± 7 | 19 | 16 ± 8 | 20 |
| 026-VE01-V2-M-003 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 026-VE01-V2-M-004 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 026-VE01-V2-M-005 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VE01-V2-M-006 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VE01-V3-M-007 | N/A | N/A | 12 ± 7 | 19 | 21 ± 9 | 20 |
| 026-VE01-V3-M-008 | N/A | N/A | 12 ± 7 | 19 | 11 ± 7 | 20 |
| 026-VE01-V3-M-009 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VE01-V2-M-010 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 026-VE01-V2-M-011 | N/A | N/A | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 026-VE01-V2-M-012 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VE01-V2-M-013 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 026-VE01-V2-M-014 | N/A | N/A | 25 ± 10 | 19 | 20 ± 9 | 20 |
| 026-VE01-V3-M-015 | N/A | N/A | 11 ± 7 | 19 | 14 ± 7 | 20 |
| 026-VE01-V2-M-016 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 026-VE01-V3-M-017 | N/A | N/A | 13 ± 7 | 19 | 23 ± 9 | 20 |
| 026-VE01-V2-M-018 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 026-VE01-V3-M-019 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 026-VE01-V3-M-020 | N/A | N/A | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 026-VE01-V2-M-021 | N/A | N/A | 12 ± 7 | 19 | 21 ± 9 | 20 |
| 026-VE01-V2-M-022 | N/A | N/A | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 026-VE01-V2-M-023 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VE01-V2-M-024 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VE01-V3-M-025 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 026-VE01-V3-M-026 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 026-VE01-V3-M-027 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VE01-V3-M-028 | N/A | N/A | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 026-VE01-V2-M-029 | N/A | N/A | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 026-VE01-V2-M-030 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VE01-V3-M-031 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 026-VE01-V2-M-032 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VE01-V2-M-033 | N/A | N/A | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 026-VE01-V2-M-034 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 026-VE01-V2-M-035 | N/A | N/A | 15 ● 8 | 19 | 17 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-VE01-V2-M-036 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VE01-V2-M-037 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VE01-V3-M-038 | N/A | N/A | 15 ± 8 | 19 | 26 ± 10 | 20 |
| 026-VE01-V2-M-039 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 026-VE01-V2-M-040 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 026-VE01-V1-M-041 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VE01-V1-M-042 | N/A | N/A | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 026-VE01-V2-M-043 | N/A | N/A | 11 ± 7 | 19 | 13 ± 7 | 20 |
| 026-VE01-V2-M-044 | N/A | N/A | 22 ± 9 | 19 | 27 ± 10 | 20 |
| 026-VE01-V1-M-045 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 026-VE01-V1-M-046 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 026-VE01-V2-M-047 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VE01-V2-M-048 | N/A | N/A | 27 ± 10 | 19 | 29 ± 11 | 20 |
| 026-VE01-V2-M-049 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 026-VE01-V2-M-050 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 026-VE01-V2-M-051 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VE01-V1-M-052 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 026-VE01-V2-M-053 | N/A | N/A | 18 ± 8 | 19 | 13 ± 7 | 20 |
| 026-VE01-V2-M-054 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 026-VE01-V2-M-055 | N/A | N/A | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 026-VE01-V1-M-056 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 026-VE01-V1-M-057 | N/A | N/A | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 026-VE01-V2-M-058 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 026-VE01-V2-M-059 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 026-VE01-V2-M-060 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 026-VE01-V2-M-061 | N/A | N/A | 15 ± 8 | 19 | 24 ± 10 | 20 |
| 026-VE01-V1-M-062 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VE01-V1-M-063 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 026-VE01-V2-M-064 | N/A | N/A | 16 ± 8 | 19 | 10 ± 6 | 20 |
| 026-VE01-V1-M-065 | N/A | N/A | 18 ± 8 | 19 | 27 ± 10 | 20 |
| 026-VE01-V2-M-066 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 026-VE01-V1-M-067 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VE01-V1-M-068 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 026-VE01-V1-M-069 | N/A | N/A | 8 ± 6 | 19 | 13 ± 7 | 20 |
| 026-VE01-V2-M-070 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-VE01-V2-M-071 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 026-VE01-V2-M-072 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VE01-V1-M-073 | N/A | N/A | 39 ± 12 | 19 | 28 ± 10 | 20 |
| 026-VE01-V2-M-074 | N/A | N/A | 23 ± 9 | 19 | 16 ± 8 | 20 |
| 026-VE01-V1-M-075 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 026-VE01-V1-M-076 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 026-VE01-V2-M-077 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 026-VE01-V1-M-078 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 026-VE01-V2-M-079 | N/A | N/A | 18 ± 8 | 19 | 27 ± 10 | 20 |
| 026-VE01-V2-M-080 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VE01-V1-M-081 | N/A | N/A | 13 ± 7 | 19 | 12 ± 7 | 20 |
| 026-VE01-V2-M-082 | N/A | N/A | 27 ± 10 | 19 | 32 ± 11 | 20 |
| 026-VE01-V1-M-083 | N/A | N/A | 27 ± 10 | 19 | 21 ± 9 | 20 |
| 026-VE01-V2-M-084 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 026-VE01-V2-M-085 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VE01-V2-M-086 | N/A | N/A | 11 ± 7 | 19 | 16 ± 8 | 20 |
| 026-VE01-V2-M-087 | N/A | N/A | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 026-VE01-V2-M-088 | N/A | N/A | 22 ± 9 | 19 | 29 ± 11 | 20 |
| 026-VE01-V2-M-089 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VE01-V2-M-090 | N/A | N/A | 39 ± 12 | 19 | 35 ± 12 | 20 |
| 026-VE01-V2-M-091 | N/A | N/A | 22 ± 9 | 19 | 45 ± 13 | 20 |
| 026-VE01-V2-M-092 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 026-VE01-V2-M-093 | N/A | N/A | 23 ± 9 | 19 | 48 ± 14 | 20 |
| 026-VE01-V2-M-094 | N/A | N/A | 26 ± 10 | 19 | 31 ± 11 | 20 |
| 026-VE01-V1-M-095 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 026-VE01-V1-M-096 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VE01-V1-M-097 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 026-VE01-V2-M-098 | N/A | N/A | 64 ± 16 | 19 | 34 ± 11 | 20 |
| 026-VE01-V1-M-099 | N/A | N/A | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 026-VE01-V1-M-100 | N/A | N/A | 24 ± 10 | 19 | 26 ± 10 | 20 |
| 026-VE01-V2-M-101 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 026-VE01-V1-M-102 | N/A | N/A | 23 ± 9 | 19 | 18 ± 8 | 20 |
| 026-VE01-V1-M-103 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VE01-V2-M-104 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VE01-V1-M-105 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-VE01-V1-M-106 | N/A | N/A | 18 ± 8 | 19 | 27 ± 10 | 20 |
| 026-VE01-V2-M-107 | N/A | N/A | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 026-VE01-V2-M-108 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 026-VE01-V2-M-109 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VE01-V2-M-110 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 026-VE01-V2-M-111 | N/A | N/A | 28 ± 10 | 19 | 30 ± 11 | 20 |
| 026-VE01-V2-M-112 | N/A | N/A | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 026-VE01-V2-M-113 | N/A | N/A | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 026-VE01-V2-M-114 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 026-VE01-V2-M-115 | N/A | N/A | 23 ± 9 | 19 | 16 ± 8 | 20 |
| 026-VE01-V2-M-116 | N/A | N/A | 12 ± 7 | 19 | 14 ± 7 | 20 |
| 026-VE01-V2-M-117 | N/A | N/A | 7 ± 5 | 19 | 13 ± 7 | 20 |
| 026-VE01-V2-M-118 | N/A | N/A | 10 ± 6 | 19 | 17 ± 8 | 20 |
| 026-VE01-V2-M-119 | N/A | N/A | 25 ± 10 | 19 | 18 ± 8 | 20 |
| 026-VE01-V2-M-120 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 026-VE01-V2-M-121 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 026-VE01-V2-M-122 | N/A | N/A | 20 ± 9 | 19 | 28 ± 10 | 20 |
| 026-VE01-V2-M-123 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 026-VE01-V1-M-124 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 026-VE01-V2-M-125 | N/A | N/A | 13 ± 7 | 19 | 14 ± 7 | 20 |
| 026-VE01-V1-M-126 | N/A | N/A | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 026-VE01-V2-M-127 | N/A | N/A | 9 ± 6 | 19 | 13 ± 7 | 20 |
| 026-VE01-V1-M-128 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 026-VE01-V1-M-129 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 026-VE01-V2-M-130 | N/A | N/A | 13 ± 7 | 19 | 22 ± 9 | 20 |
| 026-VE01-V2-M-131 | N/A | N/A | 12 ± 7 | 19 | 13 ± 7 | 20 |
| 026-VE01-V1-M-132 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 026-VE01-V2-M-133 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 026-VE01-V2-M-134 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 026-VE01-V1-M-135 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VE01-V1-M-136 | N/A | N/A | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 026-VE01-V2-M-137 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 026-VE01-V2-M-138 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 026-VE01-V2-M-139 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VE01-V2-M-140 | N/A | N/A | 12 ± 7 | 19 | 18 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-VE01-V2-M-141 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VE01-V2-M-142 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 026-VE01-V2-M-143 | N/A | N/A | 19 ± 9 | 19 | 30 ± 11 | 20 |
| 026-VE01-V2-M-144 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 026-VE01-V2-M-145 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 026-VE01-V2-M-146 | N/A | N/A | 25 ± 10 | 19 | 27 ± 10 | 20 |
| 026-VE01-V1-M-147 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 026-VE01-V1-M-148 | N/A | N/A | 15 ± 8 | 19 | 25 ± 10 | 20 |
| 026-VE01-V1-M-149 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 026-VE01-V2-M-150 | N/A | N/A | 12 ± 7 | 19 | 17 ± 8 | 20 |
| 026-VE01-V1-M-151 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 026-VE01-V2-M-152 | N/A | N/A | 29 ± 11 | 19 | 39 ± 12 | 20 |
| 026-VE01-V2-M-153 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 026-VE01-V1-M-154 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 026-VE01-V2-M-155 | N/A | N/A | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 026-VE01-V2-M-156 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 026-VE01-V1-M-157 | N/A | N/A | 20 ± 9 | 19 | 27 ± 10 | 20 |
| 026-VE01-V2-M-158 | N/A | N/A | 22 ± 9 | 19 | 30 ± 11 | 20 |
| 026-VE01-V2-M-159 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 026-VE01-V1-M-160 | N/A | N/A | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 026-VE01-V2-M-161 | N/A | N/A | 10 ± 6 | 19 | 14 ± 7 | 20 |
| 026-VE01-V1-M-162 | N/A | N/A | 23 ± 9 | 19 | 28 ± 10 | 20 |
| 026-VE01-V1-M-163 | N/A | N/A | 11 ± 7 | 19 | 14 ± 7 | 20 |
| 026-VE01-V2-M-164 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 026-VE01-V2-M-165 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 026-VE01-V1-M-166 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 026-VE01-V1-M-167 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 026-VE01-V1-M-168 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 026-VE01-V2-M-169 | N/A | N/A | 20 ± 9 | 19 | 28 ± 10 | 20 |
| 026-VE01-V2-M-170 | N/A | N/A | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 026-VE01-V2-M-171 | N/A | N/A | 22 ± 9 | 19 | 28 ± 10 | 20 |
| 026-VE01-V2-M-172 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 026-VE01-V2-M-173 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VE01-V2-M-174 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 026-VE01-V2-M-175 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 026-VE01-V1-M-176 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 026-VE01-V1-M-177 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 026-VE01-V2-M-178 | N/A | N/A | 18 ± 8 | 19 | 33 ± 11 | 20 |
| 026-VE01-V2-M-179 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 026-VE01-V1-M-180 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 026-VE01-V1-M-181 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 026-VE01-V2-M-182 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 026-VE01-V1-M-183 | N/A | N/A | 27 ± 10 | 19 | 25 ± 10 | 20 |
| 026-VE01-V1-M-184 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 026-VE01-V2-M-185 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 026-VE01-V1-M-186 | N/A | N/A | 17 ● 8 | 19 | 22 ± 9 | 20 |
| 026-VE01-V1-M-187 | N/A | N/A | 21 ± 9 | 19 | 28 ± 10 | 20 |
| 026-VE01-V2-M-188 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 026-VE01-V1-M-189 | N/A | N/A | 11 ± 7 | 19 | 23 ± 9 | 20 |
| 026-VE01-V1-M-190 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 026-VE01-V2-M-191 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VE01-V2-M-192 | N/A | N/A | 25 ± 10 | 19 | 15 ± 8 | 20 |
| 026-VE01-V2-M-193 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 026-VE01-V2-M-194 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 026-VE01-V2-M-195 | N/A | N/A | 16 ± 8 | 19 | 13 ± 7 | 20 |
| 026-VE01-V2-M-196 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 026-VE01-V2-M-197 | N/A | N/A | 28 ± 10 | 19 | 29 ± 11 | 20 |
| 026-VE01-V2-M-198 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VE01-V2-M-199 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 026-VE01-V2-M-200 | N/A | N/A | 23 ± 9 | 19 | 16 ± 8 | 20 |
| 026-VE01-V1-M-201 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 026-VE01-V2-M-202 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 026-VE01-V1-M-203 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VE01-V2-M-204 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 026-VE01-V2-M-205 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 026-VE01-V2-M-206 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 026-VE01-V1-M-207 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 026-VE01-V2-M-208 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 026-VE01-V2-M-209 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 026-VE01-V2-M-210 | N/A | N/A | 17 ± 8 | 19 | 28 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 026 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| Summary for Survey Unit # VE01 (210 detail records) | | | | | | |
| **Average** | | | 18 | | 21 | |
| **Minimum** | | | 7 | | 10 | |
| **Maximum** | | | 64 | | 48 | |
| **Standard Deviation** | | | 6 | | 6 | |
| Summary for Building # 026 (584 detail records) | | | | | | |
| **Avg** | | | 21 | | 21 | |
| **Min** | | | 6 | | 10 | |
| **Max** | | | 1408 | | 186 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 028 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-DR01-D2-M-001 | N/A | N/A | 20 ± 9 | 19 | 28 ± 10 | 20 |
| 028-DR01-D2-M-002 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 028-DR01-D2-M-003 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 028-DR01-D3-M-004 | N/A | N/A | 11 ± 7 | 19 | 12 ± 7 | 20 |
| 028-DR01-D1-M-005 | N/A | N/A | 8 ± 6 | 19 | 16 ± 8 | 20 |
| 028-DR01-D3-M-006 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 028-DR01-D1-M-007 | N/A | N/A | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 028-DR01-D1-M-008 | N/A | N/A | 11 ± 7 | 19 | 18 ± 8 | 20 |
| 028-DR01-D1-M-009 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 028-DR01-D1-M-010 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 028-DR01-D1-M-011 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 028-DR01-D1-M-012 | N/A | N/A | 27 ± 10 | 19 | 23 ± 9 | 20 |
| 028-DR01-D3-M-013 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 028-DR01-D1-M-014 | N/A | N/A | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 028-DR01-D1-M-015 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 028-DR01-D4-M-016 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 028-DR01-D3-M-017 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 028-DR01-D2-M-018 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 028-DR01-D2-M-019 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 028-DR01-D3-M-020 | N/A | N/A | 25 ± 10 | 19 | 27 ± 10 | 20 |
| 028-DR01-D1-M-021 | N/A | N/A | 20 ± 9 | 19 | 14 ± 7 | 20 |
| 028-DR01-D1-M-022 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 028-DR01-D1-M-023 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 028-DR01-D2-M-024 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 028-DR01-D1-M-025 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 028-DR01-D3-M-026 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 028-DR01-D1-M-027 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 028-DR01-D1-M-028 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 028-DR01-D1-M-029 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 028-DR01-D3-M-030 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 028-DR01-D1-M-031 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 028-DR01-D2-M-032 | N/A | N/A | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 028-DR01-D1-M-033 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 028-DR01-D1-M-034 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 028-DR01-D1-M-035 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 028 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-DR01-D1-M-036 | N/A | N/A | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 028-DR01-D2-M-037 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 028-DR01-D1-M-038 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 028-DR01-D3-M-039 | N/A | N/A | 27 ± 10 | 19 | 16 ± 8 | 20 |
| 028-DR01-D1-M-040 | N/A | N/A | 30 ± 11 | 19 | 27 ± 10 | 20 |
| 028-DR01-D1-M-041 | N/A | N/A | 26 ± 10 | 19 | 15 ± 8 | 20 |
| 028-DR01-D1-M-042 | N/A | N/A | 19 ± 9 | 19 | 13 ± 7 | 20 |
| 028-DR01-D2-M-043 | N/A | N/A | 27 ± 10 | 19 | 21 ± 9 | 20 |
| 028-DR01-D1-M-044 | N/A | N/A | 23 ± 9 | 19 | 28 ± 10 | 20 |
| 028-DR01-D2-M-045 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 028-DR01-D1-M-046 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 028-DR01-D1-M-047 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 028-DR01-D3-M-048 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 028-DR01-D3-M-049 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 028-DR01-D1-M-050 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 028-DR01-D3-M-051 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 028-DR01-D1-M-052 | N/A | N/A | 11 ± 7 | 19 | 8 ± 6 | 20 |
| 028-DR01-D1-M-053 | N/A | N/A | 22 ± 9 | 19 | 16 ± 8 | 20 |
| 028-DR01-D1-M-054 | N/A | N/A | 32 ± 11 | 19 | 24 ± 10 | 20 |
| 028-DR01-D1-M-055 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 028-DR01-D3-M-056 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 028-DR01-D1-M-057 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 028-DR01-D1-M-058 | N/A | N/A | 27 ± 10 | 19 | 28 ± 10 | 20 |
| 028-DR01-D1-M-059 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 028-DR01-D1-M-060 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 028-DR01-D2-M-061 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 028-DR01-D1-M-062 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 028-DR01-D1-M-063 | N/A | N/A | 26 ± 10 | 19 | 18 ± 8 | 20 |
| 028-DR01-D1-M-064 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 028-DR01-D1-M-065 | N/A | N/A | 28 ± 10 | 19 | 18 ± 8 | 20 |
| 028-DR01-D1-M-066 | N/A | N/A | 25 ± 10 | 19 | 18 ± 8 | 20 |
| 028-DR01-D1-M-067 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 028-DR01-D3-M-068 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 028-DR01-D1-M-069 | N/A | N/A | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 028-DR01-D3-M-070 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 028 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-DR01-D1-M-071 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 028-DR01-D2-M-072 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 028-DR01-D1-M-073 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 028-DR01-D1-M-074 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 028-DR01-D1-M-075 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 028-DR01-D1-M-076 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 028-DR01-D1-M-077 | N/A | N/A | 12 ± 7 | 19 | 14 ± 7 | 20 |
| 028-DR01-D1-M-078 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 028-DR01-D1-M-079 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 028-DR01-D1-M-080 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 028-DR01-D1-M-081 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 028-DR01-D3-M-082 | N/A | N/A | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 028-DR01-D1-M-083 | N/A | N/A | 23 ± 9 | 19 | 18 ± 8 | 20 |
| 028-DR01-D1-M-084 | N/A | N/A | 19 ± 9 | 19 | 27 ± 10 | 20 |
| 028-DR01-D3-M-085 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 028-DR01-D1-M-086 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 028-DR01-D1-M-087 | N/A | N/A | 9 ± 6 | 19 | 12 ± 7 | 20 |
| 028-DR01-D3-M-088 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 028-DR01-D1-M-089 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 028-DR01-D1-M-090 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 028-DR01-D1-M-091 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 028-DR01-D1-M-092 | N/A | N/A | 29 ± 11 | 19 | 28 ± 10 | 20 |
| 028-DR01-D1-M-093 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 028-DR01-D1-M-094 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 028-DR01-D1-M-095 | N/A | N/A | 11 ± 7 | 19 | 14 ± 7 | 20 |
| 028-DR01-D1-M-096 | N/A | N/A | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 028-DR01-D1-M-097 | N/A | N/A | 17 ± 8 | 19 | 13 ± 7 | 20 |
| 028-DR01-D1-M-098 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 028-DR01-D3-M-099 | N/A | N/A | 27 ± 10 | 19 | 34 ± 11 | 20 |
| 028-DR01-D1-M-100 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 028-DR01-D1-M-101 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 028-DR01-D1-M-102 | N/A | N/A | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 028-DR01-D3-M-103 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 028-DR01-D3-M-104 | N/A | N/A | 25 ± 10 | 19 | 28 ± 10 | 20 |
| 028-DR01-D3-M-105 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 028 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-DR01-D1-M-106 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 028-DR01-D1-M-107 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 028-DR01-D2-M-108 | N/A | N/A | 25 ± 10 | 19 | 24 ± 10 | 20 |
| 028-DR01-D1-M-109 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 028-DR01-D1-M-110 | N/A | N/A | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 028-DR01-D3-M-111 | N/A | N/A | 10 ± 6 | 19 | 11 ± 7 | 20 |
| 028-DR01-D1-M-112 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 028-DR01-D1-M-113 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 028-DR01-D3-M-114 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 028-DR01-D1-M-115 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 028-DR01-D1-M-116 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 028-DR01-D3-M-117 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 028-DR01-D1-M-118 | N/A | N/A | 20 ± 9 | 19 | 22 ● 9 | 20 |

Summary for Survey Unit # DR01 (118 detail records)

| | | |
|---|---|---|
| **Average** | 19 | 19 |
| **Minimum** | 8 | 8 |
| **Maximum** | 32 | 34 |
| **Standard Deviation** | 5 | 4 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 028 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-VA01-V2-M-001 | N/A | N/A | 23 ± 9 | 19 | 18 ± 8 | 20 |
| 028-VA01-V2-M-002 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 028-VA01-V2-M-003 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 028-VA01-V2-M-004 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 028-VA01-V2-M-005 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 028-VA01-V2-M-006 | N/A | N/A | 11 ± 7 | 19 | 17 ± 8 | 20 |
| 028-VA01-V2-M-007 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 028-VA01-V1-M-008 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-009 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-010 | N/A | N/A | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-011 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 028-VA01-V1-M-012 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 028-VA01-V1-M-013 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 028-VA01-V1-M-014 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 028-VA01-V1-M-015 | N/A | N/A | 27 ± 10 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-016 | N/A | N/A | 13 ± 7 | 19 | 14 ± 7 | 20 |
| 028-VA01-V1-M-017 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 028-VA01-V1-M-018 | N/A | N/A | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 028-VA01-V1-M-019 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 028-VA01-V1-M-020 | N/A | N/A | 12 ± 7 | 19 | 11 ± 7 | 20 |
| 028-VA01-V1-M-021 | N/A | N/A | 13 ± 7 | 19 | 14 ± 7 | 20 |
| 028-VA01-V1-M-022 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 028-VA01-V1-M-023 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 028-VA01-V1-M-024 | N/A | N/A | 12 ± 7 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-025 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 028-VA01-V1-M-026 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-027 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 028-VA01-V1-M-028 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-029 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-030 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 028-VA01-V1-M-031 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 028-VA01-V1-M-032 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 028-VA01-V1-M-033 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 028-VA01-V1-M-034 | N/A | N/A | 15 ± 8 | 19 | 23 ± 9 | 20 |
| 028-VA01-V1-M-035 | N/A | N/A | 13 ± 7 | 19 | 14 ± 7 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 028 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-VA01-V1-M-036 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 028-VA01-V1-M-037 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 028-VA01-V1-M-038 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 028-VA01-V1-M-039 | N/A | N/A | 19 ± 9 | 19 | 13 ± 7 | 20 |
| 028-VA01-V1-M-040 | N/A | N/A | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-041 | N/A | N/A | 9 ± 6 | 19 | 14 ± 7 | 20 |
| 028-VA01-V1-M-042 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 028-VA01-V1-M-043 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 028-VA01-V1-M-044 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-045 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 028-VA01-V1-M-046 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-047 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-048 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 028-VA01-V1-M-049 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 028-VA01-V1-M-050 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 028-VA01-V1-M-051 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 028-VA01-V1-M-052 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 028-VA01-V1-M-053 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 028-VA01-V1-M-054 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 028-VA01-V1-M-055 | N/A | N/A | 8 ± 6 | 19 | 13 ± 7 | 20 |
| 028-VA01-V1-M-056 | N/A | N/A | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 028-VA01-V1-M-057 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 028-VA01-V1-M-058 | N/A | N/A | 12 ± 7 | 19 | 12 ± 7 | 20 |
| 028-VA01-V1-M-059 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-060 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 028-VA01-V1-M-061 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-062 | N/A | N/A | 19 ± 9 | 19 | 26 ± 10 | 20 |
| 028-VA01-V1-M-063 | N/A | N/A | 11 ± 7 | 19 | 14 ± 7 | 20 |
| 028-VA01-V1-M-064 | N/A | N/A | 15 ± 8 | 19 | 28 ± 10 | 20 |
| 028-VA01-V1-M-065 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 028-VA01-V1-M-066 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 028-VA01-V1-M-067 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 028-VA01-V1-M-068 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 028-VA01-V1-M-069 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 028-VA01-V1-M-070 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 028 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-VA01-V1-M-071 | N/A | N/A | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 028-VA01-V1-M-072 | N/A | N/A | 8 ± 6 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-073 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-074 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 028-VA01-V1-M-075 | N/A | N/A | 10 ± 6 | 19 | 15 ± 8 | 20 |
| 028-VA01-V1-M-076 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 028-VA01-V1-M-077 | N/A | N/A | 12 ± 7 | 19 | 17 ± 8 | 20 |
| 028-VA01-V1-M-078 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 028-VA01-V1-M-079 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 028-VA01-V1-M-080 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 028-VA01-V1-M-081 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 028-VA01-V1-M-082 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 028-VA01-V1-M-083 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 028-VA01-V1-M-084 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 028-VA01-V1-M-085 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 028-VA01-V1-M-086 | N/A | N/A | 11 ± 7 | 19 | 23 ± 9 | 20 |
| 028-VA01-V1-M-087 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-088 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 028-VA01-V1-M-089 | N/A | N/A | 12 ± 7 | 19 | 18 ± 8 | 20 |
| 028-VA01-V1-M-090 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 028-VA01-V1-M-091 | N/A | N/A | 12 ± 7 | 19 | 18 ± 8 | 20 |
| 028-VA01-V1-M-092 | N/A | N/A | 28 ± 10 | 19 | 26 ± 10 | 20 |
| 028-VA01-V1-M-093 | N/A | N/A | 12 ± 7 | 19 | 12 ± 7 | 20 |
| 028-VA01-V1-M-094 | N/A | N/A | 9 ± 6 | 19 | 14 ± 7 | 20 |
| 028-VA01-V1-M-095 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 028-VA01-V1-M-096 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-097 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 028-VA01-V1-M-098 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-099 | N/A | N/A | 17 ± 8 | 19 | 31 ± 11 | 20 |
| 028-VA01-V1-M-100 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-101 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-102 | N/A | N/A | 15 ± 8 | 19 | 17 ● 8 | 20 |
| 028-VA01-V1-M-103 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 028-VA01-V1-M-104 | N/A | N/A | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 028-VA01-V1-M-105 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 028 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-VA01-V1-M-106 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 028-VA01-V1-M-107 | N/A | N/A | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 028-VA01-V1-M-108 | N/A | N/A | 13 ± 7 | 19 | 13 ± 7 | 20 |
| 028-VA01-V1-M-109 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 028-VA01-V1-M-110 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 028-VA01-V1-M-111 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 028-VA01-V1-M-112 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 028-VA01-V1-M-113 | N/A | N/A | 15 ± 8 | 19 | 12 ± 7 | 20 |
| 028-VA01-V1-M-114 | N/A | N/A | 13 ± 7 | 19 | 14 ± 7 | 20 |
| 028-VA01-V1-M-115 | N/A | N/A | 12 ± 7 | 19 | 18 ± 8 | 20 |
| 028-VA01-V1-M-116 | N/A | N/A | 9 ± 6 | 19 | 11 ± 7 | 20 |
| 028-VA01-V1-M-117 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-118 | N/A | N/A | 11 ± 7 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-119 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-120 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 028-VA01-V1-M-121 | N/A | N/A | 13 ± 7 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-122 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 028-VA01-V1-M-123 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-124 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 028-VA01-V1-M-125 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 028-VA01-V1-M-126 | N/A | N/A | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 028-VA01-V1-M-127 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-128 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 028-VA01-V1-M-129 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-130 | N/A | N/A | 15 ± 8 | 19 | 27 ± 10 | 20 |
| 028-VA01-V1-M-131 | N/A | N/A | 22 ± 9 | 19 | 28 ± 10 | 20 |
| 028-VA01-V1-M-132 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 028-VA01-V1-M-133 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 028-VA01-V1-M-134 | N/A | N/A | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-135 | N/A | N/A | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 028-VA01-V1-M-136 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-137 | N/A | N/A | 27 ± 10 | 19 | 25 ± 10 | 20 |
| 028-VA01-V1-M-138 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 028-VA01-V1-M-139 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 028-VA01-V1-M-140 | N/A | N/A | 18 ± 8 | 19 | 26 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 028 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-VA01-V1-M-141 | N/A | N/A | 11 ± 7 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-142 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 028-VA01-V1-M-143 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 028-VA01-V1-M-144 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-145 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 028-VA01-V1-M-146 | N/A | N/A | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 028-VA01-V1-M-147 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 028-VA01-V1-M-148 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 028-VA01-V1-M-149 | N/A | N/A | 10 ± 6 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-150 | N/A | N/A | 22 ± 9 | 19 | 30 ± 11 | 20 |
| 028-VA01-V1-M-151 | N/A | N/A | 13 ± 7 | 19 | 13 ± 7 | 20 |
| 028-VA01-V1-M-152 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 028-VA01-V1-M-153 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 028-VA01-V1-M-154 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 028-VA01-V1-M-155 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 028-VA01-V1-M-156 | N/A | N/A | 14 ± 7 | 19 | 9 ± 6 | 20 |
| 028-VA01-V1-M-157 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 028-VA01-V1-M-158 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 028-VA01-V1-M-159 | N/A | N/A | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 028-VA01-V1-M-160 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 028-VA01-V1-M-161 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-162 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 028-VA01-V1-M-163 | N/A | N/A | 13 ± 7 | 19 | 23 ± 9 | 20 |
| 028-VA01-V1-M-164 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 028-VA01-V1-M-165 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 028-VA01-V1-M-166 | N/A | N/A | 29 ± 11 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-167 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 028-VA01-V1-M-168 | N/A | N/A | 11 ± 7 | 19 | 15 ± 8 | 20 |
| 028-VA01-V1-M-169 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 028-VA01-V1-M-170 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 028-VA01-V1-M-171 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 028-VA01-V1-M-172 | N/A | N/A | 10 ± 6 | 19 | 16 ± 8 | 20 |
| 028-VA01-V1-M-173 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-174 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 028-VA01-V1-M-175 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 028 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-VA01-V1-M-176 | N/A | N/A | 14 ± 7 | 19 | 14 ± 7 | 20 |
| 028-VA01-V1-M-177 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 028-VA01-V1-M-178 | N/A | N/A | 11 ± 7 | 19 | 14 ± 7 | 20 |
| 028-VA01-V1-M-179 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 028-VA01-V1-M-180 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 028-VA01-V1-M-181 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 028-VA01-V1-M-182 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-183 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 028-VA01-V1-M-184 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 028-VA01-V1-M-185 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-186 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 028-VA01-V1-M-187 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 028-VA01-V1-M-188 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 028-VA01-V1-M-189 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |

Summary for Survey Unit # VA01 (189 detail records)

| | | |
|---|---|---|
| **Average** | 17 | 19 |
| **Minimum** | 8 | 9 |
| **Maximum** | 29 | 31 |
| **Standard Deviation** | 4 | 4 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 028 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-VE01-V2-M-001 | N/A | N/A | 12 ± 7 | 19 | 13 ± 7 | 20 |
| 028-VE01-V2-M-002 | N/A | N/A | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 028-VE01-V2-M-003 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 028-VE01-V2-M-004 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 028-VE01-V3-M-005 | N/A | N/A | 13 ± 7 | 19 | 22 ± 9 | 20 |
| 028-VE01-V3-M-006 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 028-VE01-V3-M-007 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 028-VE01-V3-M-008 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 028-VE01-V3-M-009 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 028-VE01-V3-M-010 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 028-VE01-V2-M-011 | N/A | N/A | 12 ± 7 | 19 | 11 ± 7 | 20 |
| 028-VE01-V3-M-012 | N/A | N/A | 19 ± 9 | 19 | 11 ± 7 | 20 |
| 028-VE01-V3-M-013 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 028-VE01-V3-M-014 | N/A | N/A | 26 ± 10 | 19 | 17 ● 8 | 20 |
| 028-VE01-V3-M-015 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 028-VE01-V3-M-016 | N/A | N/A | 9 ± 6 | 19 | 10 ± 6 | 20 |
| 028-VE01-V2-M-017 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 028-VE01-V3-M-018 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 028-VE01-V3-M-019 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 028-VE01-V3-M-020 | N/A | N/A | 15 ± 8 | 19 | 27 ± 10 | 20 |
| 028-VE01-V2-M-021 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 028-VE01-V2-M-022 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 028-VE01-V2-M-023 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 028-VE01-V2-M-024 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 028-VE01-V2-M-025 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 028-VE01-V1-M-026 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 028-VE01-V2-M-027 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 028-VE01-V1-M-028 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 028-VE01-V1-M-029 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 028-VE01-V1-M-030 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 028-VE01-V2-M-031 | N/A | N/A | 24 ± 10 | 19 | 22 ● 9 | 20 |
| 028-VE01-V1-M-032 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 028-VE01-V1-M-033 | N/A | N/A | 23 ± 9 | 19 | 33 ± 11 | 20 |
| 028-VE01-V1-M-034 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 028-VE01-V2-M-035 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 028 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-VE01-V1-M-036 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 028-VE01-V1-M-037 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VE01-V2-M-038 | N/A | N/A | 12 ± 7 | 19 | 11 ± 7 | 20 |
| 028-VE01-V1-M-039 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 028-VE01-V1-M-040 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VE01-V2-M-041 | N/A | N/A | 16 ± 8 | 19 | 26 ± 10 | 20 |
| 028-VE01-V1-M-042 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 028-VE01-V1-M-043 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 028-VE01-V2-M-044 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 028-VE01-V2-M-045 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 028-VE01-V1-M-046 | N/A | N/A | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 028-VE01-V2-M-047 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VE01-V1-M-048 | N/A | N/A | 9 ± 6 | 19 | 13 ± 7 | 20 |
| 028-VE01-V1-M-049 | N/A | N/A | 9 ± 6 | 19 | 15 ± 8 | 20 |
| 028-VE01-V2-M-050 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 028-VE01-V1-M-051 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 028-VE01-V1-M-052 | N/A | N/A | 11 ± 7 | 19 | 17 ± 8 | 20 |
| 028-VE01-V2-M-053 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 028-VE01-V1-M-054 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 028-VE01-V1-M-055 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 028-VE01-V1-M-056 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 028-VE01-V2-M-057 | N/A | N/A | 21 ± 9 | 19 | 29 ± 11 | 20 |
| 028-VE01-V1-M-058 | N/A | N/A | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 028-VE01-V1-M-059 | N/A | N/A | 24 ± 10 | 19 | 26 ± 10 | 20 |
| 028-VE01-V2-M-060 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 028-VE01-V2-M-061 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 028-VE01-V1-M-062 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 028-VE01-V1-M-063 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 028-VE01-V1-M-064 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 028-VE01-V2-M-065 | N/A | N/A | 14 ± 7 | 19 | 26 ± 10 | 20 |
| 028-VE01-V2-M-066 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 028-VE01-V1-M-067 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VE01-V2-M-068 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 028-VE01-V2-M-069 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 028-VE01-V1-M-070 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 028 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-VE01-V1-M-071 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 028-VE01-V1-M-072 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 028-VE01-V2-M-073 | N/A | N/A | 19 ± 9 | 19 | 27 ± 10 | 20 |
| 028-VE01-V1-M-074 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 028-VE01-V1-M-075 | N/A | N/A | 12 ± 7 | 19 | 17 ± 8 | 20 |
| 028-VE01-V2-M-076 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VE01-V1-M-077 | N/A | N/A | 20 ± 9 | 19 | 22 ● 9 | 20 |
| 028-VE01-V2-M-078 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 028-VE01-V1-M-079 | N/A | N/A | 26 ± 10 | 19 | 28 ● 10 | 20 |
| 028-VE01-V2-M-080 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 028-VE01-V1-M-081 | N/A | N/A | 12 ± 7 | 19 | 13 ± 7 | 20 |
| 028-VE01-V1-M-082 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 028-VE01-V2-M-083 | N/A | N/A | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 028-VE01-V2-M-084 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 028-VE01-V1-M-085 | N/A | N/A | 19 ± 9 | 19 | 23 ● 9 | 20 |
| 028-VE01-V2-M-086 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 028-VE01-V1-M-087 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 028-VE01-V2-M-088 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 028-VE01-V2-M-089 | N/A | N/A | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 028-VE01-V2-M-090 | N/A | N/A | 15 ± 8 | 19 | 25 ± 10 | 20 |
| 028-VE01-V1-M-091 | N/A | N/A | 13 ± 7 | 19 | 24 ± 10 | 20 |
| 028-VE01-V1-M-092 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 028-VE01-V2-M-093 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 028-VE01-V1-M-094 | N/A | N/A | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 028-VE01-V2-M-095 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 028-VE01-V2-M-096 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VE01-V2-M-097 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 028-VE01-V1-M-098 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 028-VE01-V1-M-099 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 028-VE01-V1-M-100 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 028-VE01-V2-M-101 | N/A | N/A | 18 ± 8 | 19 | 22 ● 9 | 20 |
| 028-VE01-V2-M-102 | N/A | N/A | 23 ± 9 | 19 | 28 ± 10 | 20 |
| 028-VE01-V1-M-103 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 028-VE01-V1-M-104 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 028-VE01-V2-M-105 | N/A | N/A | 13 ± 7 | 19 | 21 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 028 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-VE01-V2-M-106 | N/A | N/A | 23 ± 9 | 19 | 15 ± 8 | 20 |
| 028-VE01-V1-M-107 | N/A | N/A | 16 ± 8 | 19 | 33 ± 11 | 20 |
| 028-VE01-V2-M-108 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 028-VE01-V1-M-109 | N/A | N/A | 22 ± 9 | 19 | 30 ± 11 | 20 |
| 028-VE01-V1-M-110 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 028-VE01-V2-M-111 | N/A | N/A | 19 ± 9 | 19 | 31 ± 11 | 20 |
| 028-VE01-V1-M-112 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 028-VE01-V2-M-113 | N/A | N/A | 20 ± 9 | 19 | 34 ± 11 | 20 |
| 028-VE01-V1-M-114 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 028-VE01-V1-M-115 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 028-VE01-V1-M-116 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 028-VE01-V2-M-117 | N/A | N/A | 19 ± 9 | 19 | 21 ● 9 | 20 |
| 028-VE01-V1-M-118 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 028-VE01-V1-M-119 | N/A | N/A | 16 ● 8 | 19 | 25 ± 10 | 20 |
| 028-VE01-V2-M-120 | N/A | N/A | 30 ± 11 | 19 | 23 ± 9 | 20 |
| 028-VE01-V1-M-121 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 028-VE01-V1-M-122 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 028-VE01-V2-M-123 | N/A | N/A | 19 ± 9 | 19 | 26 ± 10 | 20 |
| 028-VE01-V2-M-124 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VE01-V2-M-125 | N/A | N/A | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 028-VE01-V2-M-126 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 028-VE01-V1-M-127 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 028-VE01-V1-M-128 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 028-VE01-V2-M-129 | N/A | N/A | 12 ± 7 | 19 | 12 ± 7 | 20 |
| 028-VE01-V2-M-130 | N/A | N/A | 25 ± 10 | 19 | 28 ± 10 | 20 |
| 028-VE01-V2-M-131 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 028-VE01-V2-M-132 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 028-VE01-V2-M-133 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 028-VE01-V2-M-134 | N/A | N/A | 12 ± 7 | 19 | 12 ± 7 | 20 |
| 028-VE01-V2-M-135 | N/A | N/A | 13 ± 7 | 19 | 14 ± 7 | 20 |
| 028-VE01-V2-M-136 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 028-VE01-V2-M-137 | N/A | N/A | 12 ± 7 | 19 | 18 ± 8 | 20 |
| 028-VE01-V2-M-138 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 028-VE01-V2-M-139 | N/A | N/A | 29 ± 11 | 19 | 25 ± 10 | 20 |
| 028-VE01-V1-M-140 | N/A | N/A | 32 ± 11 | 19 | 27 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 028 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-VE01-V1-M-141 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 028-VE01-V1-M-142 | N/A | N/A | 10 ± 6 | 19 | 17 ± 8 | 20 |
| 028-VE01-V2-M-143 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 028-VE01-V2-M-144 | N/A | N/A | 14 ± 7 | 19 | 11 ± 7 | 20 |
| 028-VE01-V2-M-145 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VE01-V2-M-146 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 028-VE01-V2-M-147 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 028-VE01-V2-M-148 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 028-VE01-V2-M-149 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 028-VE01-V2-M-150 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VE01-V2-M-151 | N/A | N/A | 13 ± 7 | 19 | 23 ± 9 | 20 |
| 028-VE01-V2-M-152 | N/A | N/A | 22 ± 9 | 19 | 27 ± 10 | 20 |
| 028-VE01-V2-M-153 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 028-VE01-V2-M-154 | N/A | N/A | 19 ± 9 | 19 | 26 ± 10 | 20 |
| 028-VE01-V1-M-155 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 028-VE01-V2-M-156 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VE01-V1-M-157 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 028-VE01-V2-M-158 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 028-VE01-V2-M-159 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 028-VE01-V1-M-160 | N/A | N/A | 18 ± 8 | 19 | 28 ± 10 | 20 |
| 028-VE01-V1-M-161 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 028-VE01-V2-M-162 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 028-VE01-V2-M-163 | N/A | N/A | 31 ± 11 | 19 | 32 ± 11 | 20 |
| 028-VE01-V2-M-164 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 028-VE01-V2-M-165 | N/A | N/A | 28 ± 10 | 19 | 43 ± 13 | 20 |
| 028-VE01-V2-M-166 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 028-VE01-V2-M-167 | N/A | N/A | 15 ± 8 | 19 | 23 ± 9 | 20 |
| 028-VE01-V2-M-168 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 028-VE01-V2-M-169 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 028-VE01-V2-M-170 | N/A | N/A | 25 ± 10 | 19 | 29 ± 11 | 20 |
| 028-VE01-V2-M-171 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 028-VE01-V2-M-172 | N/A | N/A | 27 ± 10 | 19 | 25 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 028 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| Summary for Survey Unit # VE01 (172 detail records) | | | | | | |
| **Average** | | | 18 | | 21 | |
| **Minimum** | | | 9 | | 10 | |
| **Maximum** | | | 32 | | 43 | |
| **Standard Deviation** | | | 4 | | 5 | |
| Summary for Building # 028 (479 detail records) | | | | | | |
| **Avg** | | | 18 | | 20 | |
| **Min** | | | 8 | | 8 | |
| **Max** | | | 32 | | 43 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 030 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 030-DR01-D3-M-001 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 030-DR01-D3-M-002 | N/A | N/A | 18 ± 8 | 19 | 13 ± 7 | 20 |
| 030-DR01-D1-M-003 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 030-DR01-D3-M-004 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 030-DR01-D3-M-005 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 030-DR01-D3-M-006 | N/A | N/A | 19 ± 9 | 19 | 27 ± 10 | 20 |
| 030-DR01-D3-M-007 | N/A | N/A | 11 ± 7 | 19 | 11 ± 7 | 20 |
| 030-DR01-D1-M-008 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 030-DR01-D3-M-009 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 030-DR01-D3-M-010 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 030-DR01-D3-M-011 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 030-DR01-D1-M-012 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 030-DR01-D3-M-013 | N/A | N/A | 23 ± 9 | 19 | 15 ± 8 | 20 |
| 030-DR01-D3-M-014 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 030-DR01-D3-M-015 | N/A | N/A | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 030-DR01-D3-M-016 | N/A | N/A | 19 ± 9 | 19 | 13 ± 7 | 20 |
| 030-DR01-D1-M-017 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 030-DR01-D3-M-018 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 030-DR01-D3-M-019 | N/A | N/A | 18 ± 8 | 19 | 27 ± 10 | 20 |
| 030-DR01-D3-M-020 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 030-DR01-D3-M-021 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 030-DR01-D3-M-022 | N/A | N/A | 18 ± 8 | 19 | 28 ± 10 | 20 |
| 030-DR01-D3-M-023 | N/A | N/A | 18 ± 8 | 19 | 13 ± 7 | 20 |
| 030-DR01-D3-M-024 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 030-DR01-D1-M-025 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 030-DR01-D3-M-026 | N/A | N/A | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 030-DR01-D3-M-027 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 030-DR01-D2-M-028 | N/A | N/A | 18 ± 8 | 19 | 12 ± 7 | 20 |
| 030-DR01-D2-M-029 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 030-DR01-D3-M-030 | N/A | N/A | 11 ± 7 | 19 | 16 ± 8 | 20 |
| 030-DR01-D2-M-031 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 030-DR01-D2-M-032 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 030-DR01-D2-M-033 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 030-DR01-D2-M-034 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 030-DR01-D2-M-035 | N/A | N/A | 6 ± 5 | 19 | 14 ± 7 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 030 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 030-DR01-D2-M-036 | N/A | N/A | 65 ± 16 | 19 | 35 ± 12 | 20 |
| 030-DR01-D2-M-037 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 030-DR01-D3-M-038 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 030-DR01-D3-M-039 | N/A | N/A | 20 ± 9 | 19 | 27 ● 10 | 20 |
| 030-DR01-D2-M-040 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 030-DR01-D2-M-041 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 030-DR01-D2-M-042 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 030-DR01-D2-M-043 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 030-DR01-D2-M-044 | N/A | N/A | 19 ● 9 | 19 | 25 ± 10 | 20 |
| 030-DR01-D2-M-045 | N/A | N/A | 10 ± 6 | 19 | 13 ± 7 | 20 |
| 030-DR01-D2-M-046 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |

Summary for Survey Unit # DR01 (46 detail records)

| | | |
|---|---|---|
| **Average** | 18 | 20 |
| **Minimum** | 6 | 11 |
| **Maximum** | 65 | 35 |
| **Standard Deviation** | 8 | 5 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 030 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 030-VA01-V1-M-001 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 030-VA01-V1-M-002 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 030-VA01-V1-M-003 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 030-VA01-V1-M-004 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 030-VA01-V1-M-005 | N/A | N/A | 27 ± 10 | 19 | 25 ± 10 | 20 |
| 030-VA01-V1-M-006 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 030-VA01-V1-M-007 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 030-VA01-V1-M-008 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 030-VA01-V1-M-009 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 030-VA01-V1-M-010 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 030-VA01-V1-M-011 | N/A | N/A | 13 ± 7 | 19 | 11 ± 7 | 20 |
| 030-VA01-V1-M-012 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 030-VA01-V1-M-013 | N/A | N/A | 29 ± 11 | 19 | 22 ± 9 | 20 |
| 030-VA01-V1-M-014 | N/A | N/A | 10 ± 6 | 19 | 13 ± 7 | 20 |
| 030-VA01-V1-M-015 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 030-VA01-V1-M-016 | N/A | N/A | 9 ± 6 | 19 | 18 ± 8 | 20 |
| 030-VA01-V1-M-017 | N/A | N/A | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 030-VA01-V1-M-018 | N/A | N/A | 28 ± 10 | 19 | 25 ± 10 | 20 |
| 030-VA01-V1-M-019 | N/A | N/A | 28 ± 10 | 19 | 24 ± 10 | 20 |
| 030-VA01-V1-M-020 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 030-VA01-V1-M-021 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 030-VA01-V1-M-022 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 030-VA01-V1-M-023 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 030-VA01-V1-M-024 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 030-VA01-V1-M-025 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 030-VA01-V1-M-026 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 030-VA01-V1-M-027 | N/A | N/A | 29 ± 11 | 19 | 21 ± 9 | 20 |
| 030-VA01-V1-M-028 | N/A | N/A | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 030-VA01-V1-M-029 | N/A | N/A | 19 ± 9 | 19 | 14 ± 7 | 20 |
| 030-VA01-V1-M-030 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 030-VA01-V1-M-031 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 030-VA01-V1-M-032 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 030-VA01-V1-M-033 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 030-VA01-V1-M-034 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 030-VA01-V1-M-035 | N/A | N/A | 55 ± 15 | 19 | 25 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 030 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 030-VA01-V1-M-036 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 030-VA01-V1-M-037 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 030-VA01-V1-M-038 | N/A | N/A | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 030-VA01-V1-M-039 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 030-VA01-V1-M-040 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 030-VA01-V1-M-041 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 030-VA01-V1-M-042 | N/A | N/A | 16 ● 8 | 19 | 17 ± 8 | 20 |
| 030-VA01-V1-M-043 | N/A | N/A | 29 ± 11 | 19 | 23 ± 9 | 20 |
| 030-VA01-V1-M-044 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 030-VA01-V1-M-045 | N/A | N/A | **117** ± 21 | 19 | 50 ± 14 | 20 |
| 030-VA01-V1-M-046 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 030-VA01-V1-M-047 | N/A | N/A | **309** ± 34 | 19 | **125** ± 22 | 20 |
| 030-VA01-V1-M-048 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 030-VA01-V1-M-049 | N/A | N/A | 0 ± 0 | 19 | 0 ± 0 | 20 |

Summary for Survey Unit # VA01 (49 detail records)

| | | |
|---|---|---|
| **Average** | 27 | 22 |
| **Minimum** | 0 | 0 |
| **Maximum** | 309 | 125 |
| **Standard Deviation** | 44 | 16 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 030 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 030-VE01-V2-M-001 | N/A | N/A | 13 ± 7 | 19 | 11 ± 7 | 20 |
| 030-VE01-V2-M-002 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 030-VE01-V2-M-003 | N/A | N/A | 9 ± 6 | 19 | 14 ± 7 | 20 |
| 030-VE01-V1-M-004 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 030-VE01-V2-M-005 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 030-VE01-V2-M-006 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 030-VE01-V2-M-007 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 030-VE01-V1-M-008 | N/A | N/A | 19 ± 9 | 19 | 30 ± 11 | 20 |
| 030-VE01-V2-M-009 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 030-VE01-V1-M-010 | N/A | N/A | 12 ± 7 | 19 | 19 ± 9 | 20 |
| 030-VE01-V2-M-011 | N/A | N/A | 22 ± 9 | 19 | 27 ± 10 | 20 |
| 030-VE01-V2-M-012 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 030-VE01-V2-M-013 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 030-VE01-V2-M-014 | N/A | N/A | 25 ± 10 | 19 | 24 ± 10 | 20 |
| 030-VE01-V1-M-015 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 030-VE01-V2-M-016 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 030-VE01-V2-M-017 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 030-VE01-V1-M-018 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 030-VE01-V2-M-019 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 030-VE01-V2-M-020 | N/A | N/A | 28 ± 10 | 19 | 27 ± 10 | 20 |
| 030-VE01-V2-M-021 | N/A | N/A | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 030-VE01-V2-M-022 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 030-VE01-V2-M-023 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 030-VE01-V2-M-024 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 030-VE01-V2-M-025 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 030-VE01-V2-M-026 | N/A | N/A | 10 ± 6 | 19 | 12 ± 7 | 20 |
| 030-VE01-V2-M-027 | N/A | N/A | 15 ± 8 | 19 | 12 ± 7 | 20 |
| 030-VE01-V2-M-028 | N/A | N/A | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 030-VE01-V2-M-029 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 030-VE01-V2-M-030 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 030-VE01-V2-M-031 | N/A | N/A | 28 ± 10 | 19 | 26 ± 10 | 20 |
| 030-VE01-V2-M-032 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 030-VE01-V2-M-033 | N/A | N/A | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 030-VE01-V1-M-034 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 030-VE01-V2-M-035 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 030 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 030-VE01-V2-M-036 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 030-VE01-V1-M-037 | N/A | N/A | 13 ± 7 | 19 | 12 ± 7 | 20 |
| 030-VE01-V2-M-038 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 030-VE01-V2-M-039 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 030-VE01-V2-M-040 | N/A | N/A | 28 ± 10 | 19 | 28 ± 10 | 20 |
| 030-VE01-V2-M-041 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 030-VE01-V2-M-042 | N/A | N/A | 20 ± 9 | 19 | 27 ± 10 | 20 |
| 030-VE01-V2-M-043 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 030-VE01-V2-M-044 | N/A | N/A | 12 ± 7 | 19 | 19 ± 9 | 20 |
| 030-VE01-V2-M-045 | N/A | N/A | 19 ● 9 | 19 | 21 ± 9 | 20 |
| 030-VE01-V2-M-046 | N/A | N/A | 12 ± 7 | 19 | 11 ± 7 | 20 |
| 030-VE01-V2-M-047 | N/A | N/A | 16 ± 8 | 19 | 27 ± 10 | 20 |
| 030-VE01-V2-M-048 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 030-VE01-V2-M-049 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 030-VE01-V2-M-050 | N/A | N/A | 13 ± 7 | 19 | 22 ± 9 | 20 |
| 030-VE01-V2-M-051 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 030-VE01-V2-M-052 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 030-VE01-V2-M-053 | N/A | N/A | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 030-VE01-V2-M-054 | N/A | N/A | 17 ● 8 | 19 | 17 ± 8 | 20 |
| 030-VE01-V2-M-055 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 030-VE01-V2-M-056 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 030-VE01-V2-M-057 | N/A | N/A | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 030-VE01-V2-M-058 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 030-VE01-V2-M-059 | N/A | N/A | 18 ● 8 | 19 | 21 ± 9 | 20 |
| 030-VE01-V2-M-060 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 030-VE01-V2-M-061 | N/A | N/A | 12 ± 7 | 19 | 11 ± 7 | 20 |
| Summary for Survey Unit # VE01 (61 detail records) | | | | | | |
| **Average** | | | 18 | | 20 | |
| **Minimum** | | | 9 | | 11 | |
| **Maximum** | | | 28 | | 30 | |
| **Standard Deviation** | | | 5 | | 5 | |
| Summary for Building # 030 (156 detail records) | | | | | | |
| **Avg** | | | 21 | | 21 | |
| **Min** | | | 0 | | 0 | |
| **Max** | | | 309 | | 125 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 035 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 035-DR01-D3-M-001 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 035-DR01-D3-M-002 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 035-DR01-D2-M-003 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 035-DR01-D2-M-004 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 035-DR01-D3-M-005 | N/A | N/A | 28 ± 10 | 19 | 21 ± 9 | 20 |
| 035-DR01-D3-M-006 | N/A | N/A | 16 ± 8 | 19 | 13 ± 7 | 20 |
| 035-DR01-D2-M-007 | N/A | N/A | 27 ± 10 | 19 | 19 ± 9 | 20 |
| 035-DR01-D2-M-008 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 035-DR01-D2-M-009 | N/A | N/A | 29 ± 11 | 19 | 15 ± 8 | 20 |
| 035-DR01-D2-M-010 | N/A | N/A | 27 ± 10 | 19 | 21 ± 9 | 20 |
| 035-DR01-D3-M-011 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 035-DR01-D1-M-012 | N/A | N/A | 11 ± 7 | 19 | 13 ± 7 | 20 |
| 035-DR01-D3-M-013 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 035-DR01-D2-M-014 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 035-DR01-D3-M-015 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 035-DR01-D2-M-016 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 035-DR01-D3-M-017 | N/A | N/A | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 035-DR01-D2-M-018 | N/A | N/A | 31 ± 11 | 19 | 24 ± 10 | 20 |
| 035-DR01-D3-M-019 | N/A | N/A | 26 ± 10 | 19 | 30 ± 11 | 20 |
| 035-DR01-D2-M-020 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 035-DR01-D2-M-021 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |

Summary for Survey Unit # DR01 (21 detail records)

| | | |
|---|---|---|
| **Average** | 21 | 20 |
| **Minimum** | 11 | 13 |
| **Maximum** | 31 | 30 |
| **Standard Deviation** | 5 | 5 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 035 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 035-VA01-V1-M-001 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 035-VA01-V1-M-002 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 035-VA01-V1-M-003 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 035-VA01-V2-M-004 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 035-VA01-V2-M-005 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |

Summary for Survey Unit # VA01 (5 detail records)

| | | |
|---|---|---|
| **Average** | 17 | 18 |
| **Minimum** | 14 | 13 |
| **Maximum** | 20 | 23 |
| **Standard Deviation** | 2 | 5 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 035 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 035-VE01-V2-M-001 | N/A | N/A | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 035-VE01-V3-M-002 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 035-VE01-V3-M-003 | N/A | N/A | 19 ± 9 | 19 | 11 ± 7 | 20 |
| 035-VE01-V3-M-004 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 035-VE01-V2-M-005 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 035-VE01-V2-M-006 | N/A | N/A | 24 ± 10 | 19 | 27 ± 10 | 20 |
| 035-VE01-V3-M-007 | N/A | N/A | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 035-VE01-V3-M-008 | N/A | N/A | 30 ± 11 | 19 | 26 ± 10 | 20 |
| 035-VE01-V2-M-009 | N/A | N/A | 21 ± 9 | 19 | 13 ± 7 | 20 |
| 035-VE01-V2-M-010 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 035-VE01-V2-M-012 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 035-VE01-V2-M-013 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 035-VE01-V2-M-014 | N/A | N/A | 22 ± 9 | 19 | 27 ± 10 | 20 |
| 035-VE01-V2-M-015 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 035-VE01-V2-M-016 | N/A | N/A | 24 ± 10 | 19 | 18 ± 8 | 20 |
| 035-VE01-V2-M-017 | N/A | N/A | 8 ± 6 | 19 | 14 ± 7 | 20 |
| 035-VE01-V1-M-018 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 035-VE01-V1-M-019 | N/A | N/A | 29 ± 11 | 19 | 21 ± 9 | 20 |
| 035-VE01-V2-M-020 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 035-VE01-V1-M-021 | N/A | N/A | 27 ± 10 | 19 | 28 ± 10 | 20 |
| 035-VE01-V2-M-022 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 035-VE01-V2-M-023 | N/A | N/A | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 035-VE01-V2-M-024 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 035-VE01-V2-M-025 | N/A | N/A | 27 ± 10 | 19 | 25 ± 10 | 20 |
| Summary for Survey Unit # VE01 (24 detail records) | | | | | | |
| **Average** | | | 21 | | 21 | |
| **Minimum** | | | 8 | | 11 | |
| **Maximum** | | | 30 | | 28 | |
| **Standard Deviation** | | | 5 | | 5 | |
| Summary for Building # 035 (50 detail records) | | | | | | |
| **Avg** | | | 21 | | 20 | |
| **Min** | | | 8 | | 11 | |
| **Max** | | | 31 | | 30 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 036 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 036-VA01-V1-M-001 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 036-VA01-V1-M-002 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 036-VA01-V1-M-003 | N/A | N/A | 13 ± 7 | 19 | 28 ± 10 | 20 |
| 036-VA01-V1-M-004 | N/A | N/A | 19 ± 9 | 19 | 14 ± 7 | 20 |
| 036-VA01-V1-M-005 | N/A | N/A | 10 ± 6 | 19 | 14 ± 7 | 20 |
| 036-VA01-V1-M-006 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 036-VA01-V1-M-007 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 036-VA01-V1-M-008 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 036-VA01-V1-M-009 | N/A | N/A | 16 ± 8 | 19 | 12 ± 7 | 20 |
| 036-VA01-V1-M-010 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 036-VA01-V1-M-011 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 036-VA01-V1-M-012 | N/A | N/A | 14 ± 7 | 19 | 23 ± 9 | 20 |
| 036-VA01-V1-M-013 | N/A | N/A | 26 ± 10 | 19 | 26 ± 10 | 20 |
| 036-VA01-V1-M-014 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 036-VA01-V1-M-015 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 036-VA01-V1-M-016 | N/A | N/A | 19 ± 9 | 19 | 26 ± 10 | 20 |
| 036-VA01-V1-M-017 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 036-VA01-V1-M-018 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 036-VA01-V1-M-019 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 036-VA01-V1-M-020 | N/A | N/A | 11 ± 7 | 19 | 19 ± 9 | 20 |
| 036-VA01-V1-M-021 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 036-VA01-V1-M-022 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 036-VA01-V1-M-023 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 036-VA01-V1-M-024 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 036-VA01-V1-M-025 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 036-VA01-V1-M-026 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 036-VA01-V1-M-027 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 036-VA01-V1-M-028 | N/A | N/A | 15 ± 8 | 19 | 24 ± 10 | 20 |
| 036-VA01-V1-M-029 | N/A | N/A | 28 ± 10 | 19 | 24 ± 10 | 20 |
| 036-VA01-V1-M-030 | N/A | N/A | 11 ± 7 | 19 | 20 ± 9 | 20 |
| 036-VA01-V1-M-031 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 036-VA01-V1-M-032 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 036-VA01-V1-M-033 | N/A | N/A | 30 ± 11 | 19 | 26 ± 10 | 20 |
| 036-VA01-V1-M-034 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 036-VA01-V1-M-035 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 036 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 036-VA01-V1-M-036 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 036-VA01-V1-M-037 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 036-VA01-V1-M-038 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 036-VA01-V1-M-039 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 036-VA01-V1-M-040 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 036-VA01-V1-M-041 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 036-VA01-V1-M-042 | N/A | N/A | 30 ± 11 | 19 | 28 ± 10 | 20 |
| 036-VA01-V1-M-043 | N/A | N/A | 23 ± 9 | 19 | 23 ± 9 | 20 |
| 036-VA01-V1-M-044 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 036-VA01-V1-M-045 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 036-VA01-V1-M-046 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 036-VA01-V1-M-047 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 036-VA01-V1-M-048 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 036-VA01-V1-M-049 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 036-VA01-V1-M-050 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 036-VA01-V1-M-051 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 036-VA01-V1-M-052 | N/A | N/A | 23 ± 9 | 19 | 31 ± 11 | 20 |
| 036-VA01-V1-M-053 | N/A | N/A | 28 ± 10 | 19 | 25 ± 10 | 20 |
| 036-VA01-V1-M-054 | N/A | N/A | 36 ± 12 | 19 | 26 ± 10 | 20 |
| 036-VA01-V1-M-055 | N/A | N/A | 34 ± 11 | 19 | 26 ± 10 | 20 |
| 036-VA01-V1-M-056 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 036-VA01-V1-M-057 | N/A | N/A | 31 ± 11 | 19 | 21 ± 9 | 20 |
| 036-VA01-V1-M-058 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 036-VA01-V1-M-059 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 036-VA01-V1-M-060 | N/A | N/A | 29 ± 11 | 19 | 27 ± 10 | 20 |
| 036-VA01-V1-M-061 | N/A | N/A | 26 ± 10 | 19 | 28 ± 10 | 20 |
| 036-VA01-V1-M-062 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 036-VA01-V1-M-063 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 036-VA01-V1-M-064 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 036-VA01-V1-M-065 | N/A | N/A | 10 ± 6 | 19 | 16 ± 8 | 20 |
| 036-VA01-V1-M-066 | N/A | N/A | 26 ± 10 | 19 | 27 ± 10 | 20 |
| 036-VA01-V1-M-067 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 036-VA01-V1-M-068 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 036-VA01-V1-M-069 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 036-VA01-V1-M-070 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 036 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 036-VA01-V2-M-071 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 036-VA01-V2-M-072 | N/A | N/A | 34 ± 11 | 19 | 28 ± 10 | 20 |
| 036-VA01-V2-M-073 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| Summary for Survey Unit # VA01 (73 detail records) | | | | | | |
| **Average** | | | 20 | | 21 | |
| **Minimum** | | | 10 | | 12 | |
| **Maximum** | | | 36 | | 31 | |
| **Standard Deviation** | | | 6 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 036 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 036-VE01-V2-M-001 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 036-VE01-V2-M-002 | N/A | N/A | 15 ± 8 | 19 | 11 ± 7 | 20 |
| 036-VE01-V2-M-003 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 036-VE01-V1-M-004 | N/A | N/A | 19 ± 9 | 19 | 26 ± 10 | 20 |
| 036-VE01-V1-M-005 | N/A | N/A | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 036-VE01-V2-M-006 | N/A | N/A | 24 ± 10 | 19 | 18 ± 8 | 20 |
| 036-VE01-V2-M-007 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 036-VE01-V2-M-008 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 036-VE01-V2-M-009 | N/A | N/A | 24 ± 10 | 19 | 18 ± 8 | 20 |
| 036-VE01-V2-M-010 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 036-VE01-V2-M-011 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 036-VE01-V2-M-012 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 036-VE01-V2-M-013 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 036-VE01-V2-M-014 | N/A | N/A | 15 ± 8 | 19 | 12 ± 7 | 20 |
| 036-VE01-V2-M-015 | N/A | N/A | 23 ± 9 | 19 | 28 ± 10 | 20 |
| 036-VE01-V2-M-016 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 036-VE01-V2-M-017 | N/A | N/A | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 036-VE01-V2-M-018 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 036-VE01-V3-M-019 | N/A | N/A | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 036-VE01-V3-M-020 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 036-VE01-V2-M-021 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 036-VE01-V2-M-022 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 036-VE01-V2-M-023 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 036-VE01-V2-M-024 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 036-VE01-V1-M-025 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 036-VE01-V2-M-026 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 036-VE01-V2-M-027 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 036-VE01-V2-M-028 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 036-VE01-V2-M-029 | N/A | N/A | 30 ± 11 | 19 | 26 ± 10 | 20 |
| 036-VE01-V2-M-030 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 036-VE01-V2-M-031 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 036-VE01-V2-M-032 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 036-VE01-V2-M-033 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 036-VE01-V2-M-034 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |
| 036-VE01-V2-M-035 | N/A | N/A | 17 ± 8 | 19 | 14 ± 7 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 036 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 036-VE01-V2-M-036 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 036-VE01-V2-M-037 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 036-VE01-V2-M-038 | N/A | N/A | 31 ± 11 | 19 | 25 ± 10 | 20 |
| 036-VE01-V2-M-039 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 036-VE01-V2-M-040 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 036-VE01-V2-M-041 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 036-VE01-V2-M-042 | N/A | N/A | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 036-VE01-V2-M-043 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 036-VE01-V2-M-044 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 036-VE01-V2-M-045 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 036-VE01-V2-M-046 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 036-VE01-V2-M-047 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 036-VE01-V2-M-048 | N/A | N/A | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 036-VE01-V2-M-049 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 036-VE01-V2-M-050 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 036-VE01-V2-M-051 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 036-VE01-V2-M-052 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 036-VE01-V3-M-053 | N/A | N/A | 25 ± 10 | 19 | 24 ● 10 | 20 |
| 036-VE01-V3-M-054 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 036-VE01-V3-M-055 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 036-VE01-V3-M-056 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 036-VE01-V2-M-057 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 036-VE01-V2-M-058 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 036-VE01-V2-M-059 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 036-VE01-V2-M-060 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 036-VE01-V2-M-061 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 036-VE01-V2-M-062 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 036-VE01-V2-M-063 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 036-VE01-V2-M-064 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 036-VE01-V2-M-065 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 036-VE01-V1-M-066 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 036-VE01-V3-M-067 | N/A | N/A | 12 ± 7 | 19 | 10 ± 6 | 20 |
| 036-VE01-V3-M-068 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 036-VE01-V2-M-069 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 036-VE01-V2-M-070 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 036 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 036-VE01-V2-M-071 | N/A | N/A | 11 ± 7 | 19 | 13 ● 7 | 20 |
| 036-VE01-V2-M-072 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 036-VE01-V2-M-073 | N/A | N/A | 13 ● 7 | 19 | 15 ● 8 | 20 |
| 036-VE01-V2-M-074 | N/A | N/A | 14 ● 7 | 19 | 12 ± 7 | 20 |
| 036-VE01-V2-M-075 | N/A | N/A | 13 ● 7 | 19 | 11 ● 7 | 20 |
| 036-VE01-V2-M-076 | N/A | N/A | 15 ● 8 | 19 | 23 ± 9 | 20 |
| 036-VE01-V2-M-077 | N/A | N/A | 11 ● 7 | 19 | 15 ● 8 | 20 |
| 036-VE01-V2-M-078 | N/A | N/A | 27 ● 10 | 19 | 20 ± 9 | 20 |
| 036-VE01-V2-M-079 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 036-VE01-V2-M-080 | N/A | N/A | 25 ± 10 | 19 | 28 ● 10 | 20 |
| 036-VE01-V2-M-081 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 036-VE01-V2-M-082 | N/A | N/A | 20 ● 9 | 19 | 21 ± 9 | 20 |
| 036-VE01-V2-M-083 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 036-VE01-V2-M-084 | N/A | N/A | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 036-VE01-V2-M-085 | N/A | N/A | 20 ● 9 | 19 | 21 ± 9 | 20 |
| 036-VE01-V2-M-086 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 036-VE01-V2-M-087 | N/A | N/A | 21 ± 9 | 19 | 14 ± 7 | 20 |
| 036-VE01-V2-M-088 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 036-VE01-V2-M-089 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 036-VE01-V2-M-090 | N/A | N/A | 26 ● 10 | 19 | 24 ± 10 | 20 |
| 036-VE01-V2-M-091 | N/A | N/A | 12 ± 7 | 19 | 19 ± 9 | 20 |
| 036-VE01-V2-M-092 | N/A | N/A | 30 ± 11 | 19 | 24 ± 10 | 20 |
| 036-VE01-V2-M-093 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 036-VE01-V2-M-094 | N/A | N/A | 23 ± 9 | 19 | 26 ± 10 | 20 |
| 036-VE01-V2-M-095 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 036-VE01-V2-M-096 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 036-VE01-V2-M-097 | N/A | N/A | 18 ± 8 | 19 | 21 ● 9 | 20 |
| 036-VE01-V2-M-098 | N/A | N/A | 17 ± 8 | 19 | 16 ± 8 | 20 |
| 036-VE01-V2-M-099 | N/A | N/A | 26 ± 10 | 19 | 21 ● 9 | 20 |
| 036-VE01-V2-M-100 | N/A | N/A | 12 ± 7 | 19 | 13 ± 7 | 20 |
| 036-VE01-V2-M-101 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 036-VE01-V2-M-102 | N/A | N/A | 27 ± 10 | 19 | 25 ± 10 | 20 |
| 036-VE01-V2-M-103 | N/A | N/A | 26 ● 10 | 19 | 22 ± 9 | 20 |
| 036-VE01-V2-M-104 | N/A | N/A | 19 ± 9 | 19 | 24 ± 10 | 20 |
| 036-VE01-V2-M-105 | N/A | N/A | 20 ± 9 | 19 | 26 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 036 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 036-VE01-V2-M-106 | N/A | N/A | 19 ± 9 | 19 | 28 ± 10 | 20 |
| 036-VE01-V2-M-107 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 036-VE01-V2-M-108 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 036-VE01-V2-M-109 | N/A | N/A | 14 ± 7 | 19 | 15 ± 8 | 20 |
| 036-VE01-V2-M-110 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 036-VE01-V2-M-111 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 036-VE01-V2-M-112 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 036-VE01-V2-M-113 | N/A | N/A | 11 ± 7 | 19 | 25 ± 10 | 20 |
| 036-VE01-V2-M-114 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 036-VE01-V2-M-115 | N/A | N/A | 26 ± 10 | 19 | 19 ± 9 | 20 |
| 036-VE01-V2-M-116 | N/A | N/A | 11 ± 7 | 19 | 12 ± 7 | 20 |
| 036-VE01-V2-M-117 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 036-VE01-V2-M-118 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 036-VE01-V2-M-119 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 036-VE01-V2-M-120 | N/A | N/A | 24 ± 10 | 19 | 25 ± 10 | 20 |
| 036-VE01-V2-M-121 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 036-VE01-V2-M-122 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 036-VE01-V2-M-123 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 036-VE01-V2-M-124 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 036-VE01-V2-M-125 | N/A | N/A | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 036-VE01-V2-M-126 | N/A | N/A | 18 ± 8 | 19 | 13 ± 7 | 20 |
| 036-VE01-V2-M-127 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 036-VE01-V2-M-128 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 036-VE01-V2-M-129 | N/A | N/A | 16 ± 8 | 19 | 12 ± 7 | 20 |
| 036-VE01-V2-M-130 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 036-VE01-V2-M-131 | N/A | N/A | 26 ± 10 | 19 | 21 ± 9 | 20 |
| 036-VE01-V2-M-132 | N/A | N/A | 23 ± 9 | 19 | 16 ± 8 | 20 |
| 036-VE01-V2-M-133 | N/A | N/A | 31 ± 11 | 19 | 24 ± 10 | 20 |
| 036-VE01-V2-M-134 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 036-VE01-V2-M-135 | N/A | N/A | 19 ± 9 | 19 | 31 ± 11 | 20 |
| 036-VE01-V2-M-136 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 036-VE01-V2-M-137 | N/A | N/A | 23 ± 9 | 19 | 17 ± 8 | 20 |
| 036-VE01-V2-M-138 | N/A | N/A | 25 ± 10 | 19 | 29 ± 11 | 20 |
| 036-VE01-V2-M-139 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 036-VE01-V2-M-140 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 036 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 036-VE01-V2-M-141 | N/A | N/A | 20 ± 9 | 19 | 29 ± 11 | 20 |
| 036-VE01-V2-M-142 | N/A | N/A | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 036-VE01-V2-M-143 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 036-VE01-V2-M-144 | N/A | N/A | 14 ± 7 | 19 | 24 ± 10 | 20 |
| 036-VE01-V2-M-145 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 036-VE01-V2-M-146 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 036-VE01-V2-M-147 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 036-VE01-V2-M-148 | N/A | N/A | 28 ± 10 | 19 | 24 ± 10 | 20 |
| 036-VE01-V2-M-149 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 036-VE01-V2-M-150 | N/A | N/A | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 036-VE01-V2-M-151 | N/A | N/A | 17 ± 8 | 19 | 13 ± 7 | 20 |
| 036-VE01-V2-M-152 | N/A | N/A | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 036-VE01-V2-M-153 | N/A | N/A | 14 ± 7 | 19 | 23 ± 9 | 20 |
| 036-VE01-V2-M-154 | N/A | N/A | 16 ± 8 | 19 | 26 ± 10 | 20 |
| 036-VE01-V2-M-155 | N/A | N/A | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 036-VE01-V2-M-156 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |
| 036-VE01-V2-M-157 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 036-VE01-V2-M-158 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 036-VE01-V2-M-159 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 036-VE01-V2-M-160 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 036-VE01-V2-M-161 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 036-VE01-V2-M-162 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 036-VE01-V2-M-163 | N/A | N/A | 15 ± 8 | 19 | 10 ± 6 | 20 |
| 036-VE01-V2-M-164 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 036-VE01-V2-M-165 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 036-VE01-V2-M-166 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 036-VE01-V2-M-167 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 036-VE01-V2-M-168 | N/A | N/A | 21 ± 9 | 19 | 15 ± 8 | 20 |
| 036-VE01-V2-M-169 | N/A | N/A | 15 ± 8 | 19 | 11 ± 7 | 20 |
| 036-VE01-V2-M-170 | N/A | N/A | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 036-VE01-V2-M-171 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 036-VE01-V2-M-172 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 036-VE01-V2-M-173 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 036-VE01-V2-M-174 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 036-VE01-V2-M-175 | N/A | N/A | 12 ± 7 | 19 | 17 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 036 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 036-VE01-V2-M-176 | N/A | N/A | 17 ● 8 | 19 | 22 ± 9 | 20 |
| Summary for Survey Unit # VE01 (176 detail records) | | | | | | |
| **Average** | | | 19 | | 19 | |
| **Minimum** | | | 11 | | 10 | |
| **Maximum** | | | 31 | | 31 | |
| **Standard Deviation** | | | 4 | | 4 | |
| Summary for Building # 036 (249 detail records) | | | | | | |
| **Avg** | | | 19 | | 20 | |
| **Min** | | | 10 | | 10 | |
| **Max** | | | 36 | | 31 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 060 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 060-DR01-D3-M-001 | N/A | N/A | 38 ± 12 | 19 | 20 ± 9 | 20 |
| 060-DR01-D2-M-002 | N/A | N/A | 17 ± 8 | 19 | 14 ± 7 | 20 |
| 060-DR01-D2-M-003 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 060-DR01-D3-M-004 | N/A | N/A | 24 ± 10 | 19 | 30 ± 11 | 20 |
| 060-DR01-D1-M-005 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 060-DR01-D1-M-006 | N/A | N/A | 24 ± 10 | 19 | 20 ± 9 | 20 |
| 060-DR01-D3-M-007 | N/A | N/A | 22 ± 9 | 19 | 13 ± 7 | 20 |
| 060-DR01-D3-M-008 | N/A | N/A | 24 ± 10 | 19 | 16 ± 8 | 20 |
| 060-DR01-D2-M-009 | N/A | N/A | 28 ± 10 | 19 | 27 ± 10 | 20 |
| 060-DR01-D3-M-010 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 060-DR01-D3-M-011 | N/A | N/A | 13 ± 7 | 19 | 13 ± 7 | 20 |
| 060-DR01-D3-M-012 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 060-DR01-D3-M-013 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 060-DR01-D3-M-014 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 060-DR01-D2-M-015 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 060-DR01-D2-M-016 | N/A | N/A | 27 ± 10 | 19 | 28 ± 10 | 20 |
| 060-DR01-D3-M-017 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 060-DR01-D3-M-018 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 060-DR01-D3-M-019 | N/A | N/A | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 060-DR01-D3-M-020 | N/A | N/A | 14 ± 7 | 19 | 22 ± 9 | 20 |
| 060-DR01-D3-M-021 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 060-DR01-D3-M-022 | N/A | N/A | 15 ± 8 | 19 | 24 ± 10 | 20 |
| 060-DR01-D3-M-023 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 060-DR01-D3-M-024 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 060-DR01-D3-M-025 | N/A | N/A | 18 ± 8 | 19 | 26 ± 10 | 20 |
| 060-DR01-D3-M-026 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 060-DR01-D3-M-027 | N/A | N/A | 13 ± 7 | 19 | 23 ± 9 | 20 |
| 060-DR01-D3-M-028 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 060-DR01-D3-M-029 | N/A | N/A | 8 ± 6 | 19 | 15 ± 8 | 20 |
| 060-DR01-D3-M-030 | N/A | N/A | 15 ± 8 | 19 | 25 ± 10 | 20 |
| 060-DR01-D3-M-031 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 060-DR01-D3-M-032 | N/A | N/A | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 060-DR01-D3-M-033 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 060-DR01-D3-M-034 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 060-DR01-D3-M-035 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 060 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 060-DR01-D3-M-036 | N/A | N/A | 14 ± 7 | 19 | 25 ± 10 | 20 |
| 060-DR01-D3-M-037 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 060-DR01-D3-M-038 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 060-DR01-D3-M-039 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 060-DR01-D2-M-040 | N/A | N/A | 27 ± 10 | 19 | 25 ± 10 | 20 |
| 060-DR01-D2-M-041 | N/A | N/A | 26 ± 10 | 19 | 31 ± 11 | 20 |
| 060-DR01-D2-M-042 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 060-DR01-D2-M-043 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 060-DR01-D2-M-044 | N/A | N/A | 23 ± 9 | 19 | 31 ± 11 | 20 |

Summary for Survey Unit # DR01 (44 detail records)

| | | |
|---|---|---|
| **Average** | 19 | 21 |
| **Minimum** | 8 | 13 |
| **Maximum** | 38 | 31 |
| **Standard Deviation** | 5 | 5 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 060 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 060-VA01-V1-M-001 | N/A | N/A | 14 ± 7 | 19 | 22 ● 9 | 20 |
| 060-VA01-V1-M-002 | N/A | N/A | 21 ± 9 | 19 | 26 ± 10 | 20 |
| 060-VA01-V1-M-003 | N/A | N/A | 20 ● 9 | 19 | 26 ± 10 | 20 |
| 060-VA01-V1-M-004 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 060-VA01-V1-M-005 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 060-VA01-V1-M-006 | N/A | N/A | 12 ± 7 | 19 | 10 ± 6 | 20 |
| 060-VA01-V1-M-007 | N/A | N/A | 10 ± 6 | 19 | 17 ● 8 | 20 |
| 060-VA01-V1-M-008 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 060-VA01-V1-M-009 | N/A | N/A | 10 ± 6 | 19 | 14 ± 7 | 20 |
| 060-VA01-V1-M-010 | N/A | N/A | 10 ± 6 | 19 | 13 ± 7 | 20 |
| 060-VA01-V1-M-011 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 060-VA01-V1-M-012 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 060-VA01-V1-M-013 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| Summary for Survey Unit # VA01 (13 detail records) | | | | | | |
| **Average** | | | 16 | | 19 | |
| **Minimum** | | | 10 | | 10 | |
| **Maximum** | | | 23 | | 26 | |
| **Standard Deviation** | | | 5 | | 6 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 060 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 060-VE01-V3-M-001 | N/A | N/A | 11 ± 7 | 19 | 22 ± 9 | 20 |
| 060-VE01-V3-M-002 | N/A | N/A | 24 ± 10 | 19 | 31 ± 11 | 20 |
| 060-VE01-V3-M-003 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 060-VE01-V3-M-004 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 060-VE01-V2-M-005 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 060-VE01-V2-M-006 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 060-VE01-V2-M-007 | N/A | N/A | 13 ± 7 | 19 | 22 ± 9 | 20 |
| 060-VE01-V2-M-008 | N/A | N/A | 27 ± 10 | 19 | 30 ± 11 | 20 |
| 060-VE01-V2-M-009 | N/A | N/A | 21 ± 9 | 19 | 28 ± 10 | 20 |
| 060-VE01-V2-M-010 | N/A | N/A | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 060-VE01-V3-M-011 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 060-VE01-V3-M-012 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 060-VE01-V3-M-013 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 060-VE01-V3-M-014 | N/A | N/A | 29 ± 11 | 19 | 19 ± 9 | 20 |
| 060-VE01-V3-M-015 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 060-VE01-V3-M-016 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 060-VE01-V3-M-017 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 060-VE01-V3-M-018 | N/A | N/A | 10 ± 6 | 19 | 12 ± 7 | 20 |
| 060-VE01-V3-M-019 | N/A | N/A | 16 ± 8 | 19 | 24 ± 10 | 20 |
| 060-VE01-V3-M-020 | N/A | N/A | 18 ± 8 | 19 | 14 ± 7 | 20 |
| 060-VE01-V3-M-021 | N/A | N/A | 39 ± 12 | 19 | 29 ± 11 | 20 |
| 060-VE01-V3-M-022 | N/A | N/A | 21 ± 9 | 19 | 16 ± 8 | 20 |
| 060-VE01-V2-M-023 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 060-VE01-V2-M-024 | N/A | N/A | 25 ± 10 | 19 | 27 ± 10 | 20 |
| 060-VE01-V1-M-025 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 060-VE01-V2-M-026 | N/A | N/A | 15 ± 8 | 19 | 29 ± 11 | 20 |
| 060-VE01-V2-M-027 | N/A | N/A | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 060-VE01-V1-M-028 | N/A | N/A | 20 ± 9 | 19 | 29 ± 11 | 20 |
| 060-VE01-V2-M-029 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 060-VE01-V2-M-030 | N/A | N/A | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 060-VE01-V2-M-031 | N/A | N/A | 28 ± 10 | 19 | 34 ± 11 | 20 |
| 060-VE01-V2-M-032 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 060-VE01-V1-M-033 | N/A | N/A | 12 ± 7 | 19 | 13 ± 7 | 20 |
| 060-VE01-V2-M-034 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 060-VE01-V2-M-035 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 060 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 060-VE01-V2-M-036 | N/A | N/A | 11 ± 7 | 19 | 18 ± 8 | 20 |
| 060-VE01-V2-M-037 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 060-VE01-V1-M-038 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 060-VE01-V2-M-039 | N/A | N/A | 19 ± 9 | 19 | 15 ± 8 | 20 |
| 060-VE01-V1-M-040 | N/A | N/A | 26 ± 10 | 19 | 19 ± 9 | 20 |
| 060-VE01-V1-M-041 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 060-VE01-V1-M-042 | N/A | N/A | 26 ± 10 | 19 | 32 ± 11 | 20 |
| 060-VE01-V1-M-043 | N/A | N/A | 10 ± 6 | 19 | 19 ± 9 | 20 |
| 060-VE01-V1-M-044 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 060-VE01-V2-M-045 | N/A | N/A | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 060-VE01-V2-M-046 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 060-VE01-V2-M-047 | N/A | N/A | 27 ± 10 | 19 | 21 ± 9 | 20 |
| 060-VE01-V2-M-048 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 060-VE01-V2-M-049 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 060-VE01-V2-M-050 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 060-VE01-V2-M-051 | N/A | N/A | 30 ± 11 | 19 | 12 ± 7 | 20 |
| 060-VE01-V2-M-052 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 060-VE01-V2-M-053 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 060-VE01-V2-M-054 | N/A | N/A | 19 ± 9 | 19 | 13 ± 7 | 20 |
| 060-VE01-V2-M-055 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 060-VE01-V2-M-056 | N/A | N/A | 53 ± 14 | 19 | 21 ± 9 | 20 |
| 060-VE01-V2-M-057 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 060-VE01-V2-M-058 | N/A | N/A | 13 ± 7 | 19 | 13 ± 7 | 20 |
| 060-VE01-V2-M-059 | N/A | N/A | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 060-VE01-V2-M-060 | N/A | N/A | 14 ± 7 | 19 | 23 ± 9 | 20 |
| 060-VE01-V2-M-061 | N/A | N/A | 11 ± 7 | 19 | 14 ± 7 | 20 |
| 060-VE01-V2-M-062 | N/A | N/A | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 060-VE01-V2-M-063 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 060-VE01-V2-M-064 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 060-VE01-V2-M-065 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 060-VE01-V2-M-066 | N/A | N/A | 32 ± 11 | 19 | 17 ± 8 | 20 |
| 060-VE01-V2-M-067 | N/A | N/A | 13 ± 7 | 19 | 23 ± 9 | 20 |
| 060-VE01-V2-M-068 | N/A | N/A | 27 ± 10 | 19 | 26 ± 10 | 20 |
| 060-VE01-V2-M-069 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 060-VE01-V2-M-070 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 060 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 060-VE01-V2-M-071 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 060-VE01-V2-M-072 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 060-VE01-V2-M-073 | N/A | N/A | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 060-VE01-V2-M-074 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 060-VE01-V2-M-075 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 060-VE01-V2-M-076 | N/A | N/A | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 060-VE01-V2-M-077 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 060-VE01-V2-M-078 | N/A | N/A | 68 ± 16 | 19 | 20 ± 9 | 20 |
| 060-VE01-V2-M-079 | N/A | N/A | 127 ± 22 | 19 | 23 ± 9 | 20 |
| Summary for Survey Unit # VE01 (79 detail records) | | | | | | |
| **Average** | | | 22 | | 21 | |
| **Minimum** | | | 10 | | 12 | |
| **Maximum** | | | 127 | | 34 | |
| **Standard Deviation** | | | 15 | | 5 | |
| Summary for Building # 060 (136 detail records) | | | | | | |
| **Avg** | | | 20 | | 21 | |
| **Min** | | | 8 | | 10 | |
| **Max** | | | 127 | | 34 | |

## Building 090 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 090-DR01-D2-M-001 | N/A | N/A | 12 ± 7 | 19 | 14 ± 7 | 20 |
| 090-DR01-D2-M-002 | N/A | N/A | 22 ± 9 | 19 | 14 ± 7 | 20 |
| Summary for Survey Unit # DR01 (2 detail records) | | | | | | |
| **Average** | | | 17 | | 14 | |
| **Minimum** | | | 12 | | 14 | |
| **Maximum** | | | 22 | | 14 | |
| **Standard Deviation** | | | 7 | | 0 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 090 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 090-VE01-V2-M-001 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 090-VE01-V2-M-002 | N/A | N/A | 10 ± 6 | 19 | 10 ± 6 | 20 |
| Summary for Survey Unit # VE01 (2 detail records) | | | | | | |
| **Average** | | | 15 | | 16 | |
| **Minimum** | | | 10 | | 10 | |
| **Maximum** | | | 19 | | 21 | |
| **Standard Deviation** | | | 6 | | 8 | |
| Summary for Building # 090 (4 detail records) | | | | | | |
| **Avg** | | | 16 | | 15 | |
| **Min** | | | 10 | | 10 | |
| **Max** | | | 22 | | 21 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 520 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-DR01-D3-M-001 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 520-DR01-D1-M-002 | N/A | N/A | 25 ± 10 | 19 | 32 ± 11 | 20 |
| 520-DR01-D3-M-003 | N/A | N/A | 13 ± 7 | 19 | 14 ± 7 | 20 |
| 520-DR01-D2-M-004 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 520-DR01-D2-M-005 | N/A | N/A | 25 ± 10 | 19 | 23 ± 9 | 20 |
| 520-DR01-D1-M-006 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 520-DR01-D3-M-007 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 520-DR01-D3-M-008 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 520-DR01-D3-M-009 | N/A | N/A | 25 ± 10 | 19 | 17 ± 8 | 20 |
| 520-DR01-D1-M-010 | N/A | N/A | 30 ± 11 | 19 | 17 ± 8 | 20 |
| 520-DR01-D1-M-011 | N/A | N/A | 25 ± 10 | 19 | 24 ± 10 | 20 |
| 520-DR01-D1-M-012 | N/A | N/A | 28 ± 10 | 19 | 23 ± 9 | 20 |
| 520-DR01-D1-M-013 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 520-DR01-D1-M-014 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 520-DR01-D1-M-015 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 520-DR01-D1-M-016 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 520-DR01-D1-M-017 | N/A | N/A | 32 ± 11 | 19 | 24 ± 10 | 20 |
| 520-DR01-D1-M-018 | N/A | N/A | 24 ± 10 | 19 | 31 ± 11 | 20 |
| 520-DR01-D1-M-019 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 520-DR01-D1-M-020 | N/A | N/A | 22 ± 9 | 19 | 13 ± 7 | 20 |
| 520-DR01-D1-M-021 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 520-DR01-D1-M-022 | N/A | N/A | 21 ± 9 | 19 | 18 ± 8 | 20 |
| 520-DR01-D1-M-023 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 520-DR01-D1-M-024 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 520-DR01-D1-M-025 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 520-DR01-D1-M-026 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 520-DR01-D1-M-027 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 520-DR01-D1-M-028 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 520-DR01-D3-M-029 | N/A | N/A | 22 ± 9 | 19 | 30 ± 11 | 20 |
| 520-DR01-D3-M-030 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 520-DR01-D1-M-031 | N/A | N/A | 28 ± 10 | 19 | 23 ± 9 | 20 |
| 520-DR01-D1-M-032 | N/A | N/A | 18 ± 8 | 19 | 13 ± 7 | 20 |
| 520-DR01-D1-M-033 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 520-DR01-D3-M-034 | N/A | N/A | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 520-DR01-D3-M-035 | N/A | N/A | 21 ± 9 | 19 | 17 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 520 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-DR01-D3-M-036 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 520-DR01-D1-M-037 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 520-DR01-D1-M-038 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 520-DR01-D1-M-039 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 520-DR01-D1-M-040 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 520-DR01-D1-M-041 | N/A | N/A | 10 ± 6 | 19 | 14 ± 7 | 20 |
| 520-DR01-D1-M-042 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 520-DR01-D1-M-043 | N/A | N/A | 24 ± 10 | 19 | 22 ± 9 | 20 |
| 520-DR01-D1-M-044 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 520-DR01-D1-M-045 | N/A | N/A | 6 ± 5 | 19 | 11 ± 7 | 20 |
| 520-DR01-D1-M-046 | N/A | N/A | 9 ± 6 | 19 | 11 ± 7 | 20 |
| 520-DR01-D1-M-047 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 520-DR01-D1-M-048 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 520-DR01-D1-M-049 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 520-DR01-D1-M-050 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 520-DR01-D1-M-051 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 520-DR01-D1-M-052 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 520-DR01-D1-M-053 | N/A | N/A | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 520-DR01-D1-M-054 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 520-DR01-D1-M-055 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 520-DR01-D1-M-056 | N/A | N/A | 8 ± 6 | 19 | 13 ± 7 | 20 |
| 520-DR01-D1-M-057 | N/A | N/A | 12 ± 7 | 19 | 21 ± 9 | 20 |
| 520-DR01-D1-M-058 | N/A | N/A | 28 ± 10 | 19 | 21 ± 9 | 20 |
| 520-DR01-D1-M-059 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 520-DR01-D1-M-060 | N/A | N/A | 13 ± 7 | 19 | 14 ± 7 | 20 |
| 520-DR01-D1-M-061 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 520-DR01-D1-M-062 | N/A | N/A | 25 ± 10 | 19 | 28 ± 10 | 20 |
| 520-DR01-D1-M-063 | N/A | N/A | 20 ± 9 | 19 | 14 ± 7 | 20 |
| 520-DR01-D1-M-064 | N/A | N/A | 13 ± 7 | 19 | 19 ± 9 | 20 |
| 520-DR01-D1-M-065 | N/A | N/A | 13 ± 7 | 19 | 22 ± 9 | 20 |
| 520-DR01-D1-M-066 | N/A | N/A | 20 ± 9 | 19 | 29 ± 11 | 20 |
| 520-DR01-D3-M-067 | N/A | N/A | 9 ± 6 | 19 | 26 ± 10 | 20 |
| 520-DR01-D3-M-068 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 520-DR01-D3-M-069 | N/A | N/A | 18 ± 8 | 19 | 11 ± 7 | 20 |
| 520-DR01-D3-M-070 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 520 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-DR01-D3-M-071 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 520-DR01-D3-M-072 | N/A | N/A | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 520-DR01-D3-M-073 | N/A | N/A | 13 ± 7 | 19 | 18 ± 8 | 20 |
| 520-DR01-D3-M-074 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 520-DR01-D3-M-075 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 520-DR01-D3-M-076 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 520-DR01-D4-M-077 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 520-DR01-D3-M-078 | N/A | N/A | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 520-DR01-D4-M-079 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 520-DR01-D4-M-080 | N/A | N/A | 21 ± 9 | 19 | 10 ± 6 | 20 |
| 520-DR01-D4-M-081 | N/A | N/A | 10 ± 6 | 19 | 11 ± 7 | 20 |
| 520-DR01-D1-M-082 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 520-DR01-D3-M-083 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 520-DR01-D1-M-084 | N/A | N/A | 24 ± 10 | 19 | 17 ± 8 | 20 |
| 520-DR01-D4-M-085 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 520-DR01-D4-M-086 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 520-DR01-D3-M-087 | N/A | N/A | 30 ± 11 | 19 | 23 ± 9 | 20 |
| 520-DR01-D4-M-088 | N/A | N/A | 20 ± 9 | 19 | 18 ± 8 | 20 |
| 520-DR01-D3-M-089 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 520-DR01-D1-M-090 | N/A | N/A | 16 ± 8 | 19 | 13 ± 7 | 20 |
| 520-DR01-D2-M-091 | N/A | N/A | 19 ± 9 | 19 | 14 ± 7 | 20 |
| 520-DR01-D2-M-092 | N/A | N/A | 27 ± 10 | 19 | 19 ± 9 | 20 |
| 520-DR01-D1-M-093 | N/A | N/A | 16 ± 8 | 19 | 13 ± 7 | 20 |
| 520-DR01-D3-M-094 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 520-DR01-D4-M-095 | N/A | N/A | 26 ± 10 | 19 | 20 ± 9 | 20 |
| 520-DR01-D3-M-096 | N/A | N/A | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 520-DR01-D4-M-097 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 520-DR01-D4-M-098 | N/A | N/A | 23 ± 9 | 19 | 17 ± 8 | 20 |
| 520-DR01-D3-M-099 | N/A | N/A | 29 ± 11 | 19 | 22 ± 9 | 20 |
| 520-DR01-D4-M-100 | N/A | N/A | 14 ± 7 | 19 | 17 ± 8 | 20 |
| 520-DR01-D3-M-101 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 520-DR01-D1-M-102 | N/A | N/A | 23 ± 9 | 19 | 15 ± 8 | 20 |
| 520-DR01-D2-M-103 | N/A | N/A | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 520-DR01-D2-M-104 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 520-DR01-D3-M-105 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 520 Survey Unit DR01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-DR01-D3-M-106 | N/A | N/A | 22 ± 9 | 19 | 27 ± 10 | 20 |
| 520-DR01-D3-M-107 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 520-DR01-D1-M-108 | N/A | N/A | 20 ± 9 | 19 | 22 ± 9 | 20 |
| Summary for Survey Unit # DR01 (108 detail records) | | | | | | |
| **Average** | | | 19 | | 19 | |
| **Minimum** | | | 6 | | 10 | |
| **Maximum** | | | 32 | | 32 | |
| **Standard Deviation** | | | 5 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 520 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-VA01-V1-M-001 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 520-VA01-V1-M-002 | N/A | N/A | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 520-VA01-V1-M-003 | N/A | N/A | 21 ± 9 | 19 | 11 ± 7 | 20 |
| 520-VA01-V1-M-004 | N/A | N/A | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-005 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 520-VA01-V1-M-006 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 520-VA01-V1-M-007 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 520-VA01-V1-M-008 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 520-VA01-V1-M-009 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 520-VA01-V1-M-010 | N/A | N/A | 24 ± 10 | 19 | 26 ± 10 | 20 |
| 520-VA01-V1-M-011 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 520-VA01-V1-M-012 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 520-VA01-V1-M-013 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 520-VA01-V1-M-014 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 520-VA01-V1-M-015 | N/A | N/A | 30 ± 11 | 19 | 26 ± 10 | 20 |
| 520-VA01-V1-M-016 | N/A | N/A | 18 ± 8 | 19 | 30 ± 11 | 20 |
| 520-VA01-V1-M-017 | N/A | N/A | 12 ± 7 | 19 | 22 ± 9 | 20 |
| 520-VA01-V1-M-018 | N/A | N/A | 10 ± 6 | 19 | 16 ± 8 | 20 |
| 520-VA01-V1-M-019 | N/A | N/A | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 520-VA01-V1-M-020 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-021 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-022 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 520-VA01-V1-M-023 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-024 | N/A | N/A | 10 ± 6 | 19 | 10 ± 6 | 20 |
| 520-VA01-V1-M-025 | N/A | N/A | 20 ± 9 | 19 | 13 ± 7 | 20 |
| 520-VA01-V1-M-026 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 520-VA01-V1-M-027 | N/A | N/A | 14 ± 7 | 19 | 12 ± 7 | 20 |
| 520-VA01-V1-M-028 | N/A | N/A | 18 ± 8 | 19 | 12 ± 7 | 20 |
| 520-VA01-V1-M-029 | N/A | N/A | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 520-VA01-V1-M-030 | N/A | N/A | 26 ± 10 | 19 | 24 ± 10 | 20 |
| 520-VA01-V1-M-031 | N/A | N/A | 24 ± 10 | 19 | 28 ± 10 | 20 |
| 520-VA01-V1-M-032 | N/A | N/A | 20 ± 9 | 19 | 31 ± 11 | 20 |
| 520-VA01-V1-M-033 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 520-VA01-V1-M-034 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 520-VA01-V1-M-035 | N/A | N/A | 22 ± 9 | 19 | 17 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 520 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-VA01-V1-M-036 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 520-VA01-V1-M-037 | N/A | N/A | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 520-VA01-V1-M-038 | N/A | N/A | 27 ± 10 | 19 | 29 ± 11 | 20 |
| 520-VA01-V1-M-039 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 520-VA01-V1-M-040 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 520-VA01-V1-M-041 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 520-VA01-V1-M-042 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-043 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-044 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 520-VA01-V1-M-045 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 520-VA01-V1-M-046 | N/A | N/A | 29 ± 11 | 19 | 24 ± 10 | 20 |
| 520-VA01-V1-M-047 | N/A | N/A | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-048 | N/A | N/A | 26 ± 10 | 19 | 33 ± 11 | 20 |
| 520-VA01-V1-M-049 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-050 | N/A | N/A | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 520-VA01-V1-M-051 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 520-VA01-V1-M-052 | N/A | N/A | 22 ± 9 | 19 | 23 ± 9 | 20 |
| 520-VA01-V1-M-053 | N/A | N/A | 21 ± 9 | 19 | 27 ± 10 | 20 |
| 520-VA01-V1-M-054 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 520-VA01-V1-M-055 | N/A | N/A | 11 ± 7 | 19 | 17 ± 8 | 20 |
| 520-VA01-V1-M-056 | N/A | N/A | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 520-VA01-V1-M-057 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 520-VA01-V1-M-058 | N/A | N/A | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-059 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 520-VA01-V1-M-060 | N/A | N/A | 10 ± 6 | 19 | 14 ± 7 | 20 |
| 520-VA01-V1-M-061 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 520-VA01-V1-M-062 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 520-VA01-V1-M-063 | N/A | N/A | 23 ± 9 | 19 | 29 ± 11 | 20 |
| 520-VA01-V1-M-064 | N/A | N/A | 11 ± 7 | 19 | 15 ± 8 | 20 |
| 520-VA01-V1-M-065 | N/A | N/A | 24 ± 10 | 19 | 29 ± 11 | 20 |
| 520-VA01-V1-M-066 | N/A | N/A | 20 ± 9 | 19 | 13 ± 7 | 20 |
| 520-VA01-V1-M-067 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 520-VA01-V1-M-068 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 520-VA01-V1-M-069 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 520-VA01-V1-M-070 | N/A | N/A | 26 ± 10 | 19 | 28 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 520 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-VA01-V1-M-071 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 520-VA01-V1-M-072 | N/A | N/A | 24 ± 10 | 19 | 30 ± 11 | 20 |
| 520-VA01-V1-M-073 | N/A | N/A | 14 ± 7 | 19 | 19 ± 9 | 20 |
| 520-VA01-V1-M-074 | N/A | N/A | 27 ± 10 | 19 | 27 ± 10 | 20 |
| 520-VA01-V1-M-075 | N/A | N/A | 25 ± 10 | 19 | 27 ± 10 | 20 |
| 520-VA01-V1-M-076 | N/A | N/A | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 520-VA01-V1-M-077 | N/A | N/A | 20 ± 9 | 19 | 12 ± 7 | 20 |
| 520-VA01-V1-M-078 | N/A | N/A | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 520-VA01-V1-M-079 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-080 | N/A | N/A | 22 ± 9 | 19 | 19 ± 9 | 20 |
| 520-VA01-V1-M-081 | N/A | N/A | 91 ± 19 | 19 | 22 ± 9 | 20 |
| 520-VA01-V1-M-082 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 520-VA01-V1-M-083 | N/A | N/A | 20 ± 9 | 19 | 27 ± 10 | 20 |
| 520-VA01-V1-M-084 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 520-VA01-V1-M-085 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 520-VA01-V1-M-086 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-087 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-088 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-089 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 520-VA01-V1-M-090 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 520-VA01-V1-M-091 | N/A | N/A | 25 ± 10 | 19 | 11 ± 7 | 20 |
| 520-VA01-V1-M-092 | N/A | N/A | 28 ± 10 | 19 | 31 ± 11 | 20 |
| 520-VA01-V1-M-093 | N/A | N/A | 28 ± 10 | 19 | 23 ± 9 | 20 |
| 520-VA01-V1-M-094 | N/A | N/A | 24 ± 10 | 19 | 23 ± 9 | 20 |
| 520-VA01-V1-M-095 | N/A | N/A | 13 ± 7 | 19 | 15 ± 8 | 20 |
| 520-VA01-V1-M-096 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 520-VA01-V1-M-097 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 520-VA01-V1-M-098 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 520-VA01-V1-M-099 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 520-VA01-V1-M-100 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 520-VA01-V1-M-101 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 520-VA01-V1-M-102 | N/A | N/A | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 520-VA01-V1-M-103 | N/A | N/A | 28 ± 10 | 19 | 34 ± 11 | 20 |
| 520-VA01-V1-M-104 | N/A | N/A | 19 ± 9 | 19 | 17 ± 8 | 20 |
| 520-VA01-V1-M-105 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 520 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-VA01-V1-M-106 | N/A | N/A | 9 ± 6 | 19 | 18 ± 8 | 20 |
| 520-VA01-V1-M-107 | N/A | N/A | 30 ± 11 | 19 | 25 ± 10 | 20 |
| 520-VA01-V1-M-108 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 520-VA01-V1-M-109 | N/A | N/A | 31 ± 11 | 19 | 28 ± 10 | 20 |
| 520-VA01-V1-M-110 | N/A | N/A | 10 ± 6 | 19 | 12 ± 7 | 20 |
| 520-VA01-V1-M-111 | N/A | N/A | 13 ± 7 | 19 | 13 ± 7 | 20 |
| 520-VA01-V1-M-112 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 520-VA01-V1-M-113 | N/A | N/A | 19 ± 9 | 19 | 20 ± 9 | 20 |
| 520-VA01-V1-M-114 | N/A | N/A | 14 ± 7 | 19 | 12 ± 7 | 20 |
| 520-VA01-V1-M-115 | N/A | N/A | 17 ± 8 | 19 | 12 ± 7 | 20 |
| 520-VA01-V1-M-116 | N/A | N/A | 20 ± 9 | 19 | 14 ± 7 | 20 |
| 520-VA01-V1-M-117 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 520-VA01-V1-M-118 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 520-VA01-V1-M-119 | N/A | N/A | 11 ± 7 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-120 | N/A | N/A | 21 ± 9 | 19 | 23 ± 9 | 20 |
| 520-VA01-V1-M-121 | N/A | N/A | 19 ± 9 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-122 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 520-VA01-V1-M-123 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 520-VA01-V1-M-124 | N/A | N/A | 22 ± 9 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-125 | N/A | N/A | 27 ± 10 | 19 | 27 ± 10 | 20 |
| 520-VA01-V1-M-126 | N/A | N/A | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 520-VA01-V1-M-127 | N/A | N/A | 15 ± 8 | 19 | 12 ± 7 | 20 |
| 520-VA01-V1-M-128 | N/A | N/A | 22 ± 9 | 19 | 24 ± 10 | 20 |
| 520-VA01-V1-M-129 | N/A | N/A | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 520-VA01-V1-M-130 | N/A | N/A | 24 ± 10 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-131 | N/A | N/A | 16 ± 8 | 19 | 14 ± 7 | 20 |
| 520-VA01-V1-M-132 | N/A | N/A | 20 ± 9 | 19 | 13 ± 7 | 20 |
| 520-VA01-V1-M-133 | N/A | N/A | 23 ± 9 | 19 | 17 ± 8 | 20 |
| 520-VA01-V1-M-134 | N/A | N/A | 28 ± 10 | 19 | 30 ± 11 | 20 |
| 520-VA01-V1-M-135 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 520-VA01-V1-M-136 | N/A | N/A | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 520-VA01-V1-M-137 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 520-VA01-V1-M-138 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 520-VA01-V1-M-139 | N/A | N/A | 33 ± 11 | 19 | 15 ± 8 | 20 |
| 520-VA01-V1-M-140 | N/A | N/A | 20 ± 9 | 19 | 16 ± 8 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 520 Survey Unit VA01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-VA01-V1-M-141 | N/A | N/A | 28 ± 10 | 19 | 21 ± 9 | 20 |
| 520-VA01-V1-M-142 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| Summary for Survey Unit # VA01 (142 detail records) | | | | | | |
| **Average** | | | 20 | | 20 | |
| **Minimum** | | | 9 | | 10 | |
| **Maximum** | | | 91 | | 34 | |
| **Standard Deviation** | | | 8 | | 5 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 520 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-VE01-V2-M-001 | N/A | N/A | 16 ± 8 | 19 | 22 ± 9 | 20 |
| 520-VE01-V2-M-002 | N/A | N/A | 18 ± 8 | 19 | 12 ± 7 | 20 |
| 520-VE01-V2-M-003 | N/A | N/A | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 520-VE01-V2-M-004 | N/A | N/A | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 520-VE01-V2-M-005 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 520-VE01-V2-M-006 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 520-VE01-V2-M-007 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 520-VE01-V2-M-008 | N/A | N/A | 12 ± 7 | 19 | 17 ± 8 | 20 |
| 520-VE01-V2-M-009 | N/A | N/A | 25 ± 10 | 19 | 21 ± 9 | 20 |
| 520-VE01-V2-M-010 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 520-VE01-V2-M-011 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 520-VE01-V2-M-012 | N/A | N/A | 22 ± 9 | 19 | 29 ± 11 | 20 |
| 520-VE01-V2-M-013 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 520-VE01-V2-M-014 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 520-VE01-V2-M-015 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 520-VE01-V2-M-016 | N/A | N/A | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 520-VE01-V2-M-017 | N/A | N/A | 18 ± 8 | 19 | 22 ± 9 | 20 |
| 520-VE01-V2-M-018 | N/A | N/A | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 520-VE01-V2-M-019 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 520-VE01-V2-M-020 | N/A | N/A | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 520-VE01-V2-M-021 | N/A | N/A | 17 ± 8 | 19 | 15 ± 8 | 20 |
| 520-VE01-V2-M-022 | N/A | N/A | 15 ± 8 | 19 | 14 ± 7 | 20 |
| 520-VE01-V2-M-023 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 520-VE01-V2-M-024 | N/A | N/A | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 520-VE01-V2-M-025 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 520-VE01-V2-M-026 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 520-VE01-V2-M-027 | N/A | N/A | 27 ± 10 | 19 | 23 ± 9 | 20 |
| 520-VE01-V2-M-028 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 520-VE01-V2-M-029 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 520-VE01-V2-M-030 | N/A | N/A | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 520-VE01-V2-M-031 | N/A | N/A | 25 ± 10 | 19 | 25 ± 10 | 20 |
| 520-VE01-V2-M-032 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 520-VE01-V2-M-033 | N/A | N/A | 11 ± 7 | 19 | 21 ± 9 | 20 |
| 520-VE01-V2-M-034 | N/A | N/A | 22 ± 9 | 19 | 22 ± 9 | 20 |
| 520-VE01-V2-M-035 | N/A | N/A | 22 ± 9 | 19 | 28 ± 10 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 520 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-VE01-V2-M-036 | N/A | N/A | 29 ± 11 | 19 | 23 ± 9 | 20 |
| 520-VE01-V2-M-037 | N/A | N/A | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 520-VE01-V2-M-038 | N/A | N/A | 19 ± 9 | 19 | 25 ± 10 | 20 |
| 520-VE01-V2-M-039 | N/A | N/A | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 520-VE01-V2-M-040 | N/A | N/A | 17 ± 8 | 19 | 18 ± 8 | 20 |
| 520-VE01-V2-M-041 | N/A | N/A | 22 ± 9 | 19 | 20 ± 9 | 20 |
| 520-VE01-V2-M-042 | N/A | N/A | 10 ± 6 | 19 | 17 ± 8 | 20 |
| 520-VE01-V2-M-043 | N/A | N/A | 25 ± 10 | 19 | 26 ± 10 | 20 |
| 520-VE01-V2-M-044 | N/A | N/A | 28 ± 10 | 19 | 31 ± 11 | 20 |
| 520-VE01-V2-M-045 | N/A | N/A | 15 ± 8 | 19 | 21 ± 9 | 20 |
| 520-VE01-V2-M-046 | N/A | N/A | 13 ± 7 | 19 | 9 ± 6 | 20 |
| 520-VE01-V2-M-047 | N/A | N/A | 15 ± 8 | 19 | 22 ± 9 | 20 |
| 520-VE01-V2-M-048 | N/A | N/A | 33 ± 11 | 19 | 25 ± 10 | 20 |
| 520-VE01-V2-M-049 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 520-VE01-V2-M-050 | N/A | N/A | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 520-VE01-V2-M-051 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 520-VE01-V2-M-052 | N/A | N/A | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 520-VE01-V2-M-053 | N/A | N/A | 26 ± 10 | 19 | 22 ± 9 | 20 |
| 520-VE01-V2-M-054 | N/A | N/A | 19 ± 9 | 19 | 29 ± 11 | 20 |
| 520-VE01-V2-M-055 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 520-VE01-V2-M-056 | N/A | N/A | 18 ± 8 | 19 | 19 ± 9 | 20 |
| 520-VE01-V2-M-057 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |
| 520-VE01-V2-M-058 | N/A | N/A | 17 ± 8 | 19 | 17 ± 8 | 20 |
| 520-VE01-V2-M-059 | N/A | N/A | 17 ± 8 | 19 | 23 ± 9 | 20 |
| 520-VE01-V2-M-060 | N/A | N/A | 25 ± 10 | 19 | 19 ± 9 | 20 |
| 520-VE01-V2-M-061 | N/A | N/A | 21 ± 9 | 19 | 15 ± 8 | 20 |
| 520-VE01-V1-M-062 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 520-VE01-V1-M-063 | N/A | N/A | 16 ± 8 | 19 | 23 ± 9 | 20 |
| 520-VE01-V1-M-064 | N/A | N/A | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 520-VE01-V1-M-065 | N/A | N/A | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 520-VE01-V1-M-066 | N/A | N/A | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 520-VE01-V1-M-067 | N/A | N/A | 20 ± 9 | 19 | 15 ± 8 | 20 |
| 520-VE01-V1-M-068 | N/A | N/A | 21 ± 9 | 19 | 20 ± 9 | 20 |
| 520-VE01-V1-M-069 | N/A | N/A | 12 ± 7 | 19 | 14 ± 7 | 20 |
| 520-VE01-V1-M-070 | N/A | N/A | 17 ± 8 | 19 | 20 ± 9 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 520 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-VE01-V1-M-071 | N/A | N/A | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 520-VE01-V1-M-072 | N/A | N/A | 17 ± 8 | 19 | 25 ± 10 | 20 |
| 520-VE01-V1-M-073 | N/A | N/A | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 520-VE01-V1-M-074 | N/A | N/A | 18 ± 8 | 19 | 16 ± 8 | 20 |
| 520-VE01-V1-M-075 | N/A | N/A | 27 ± 10 | 19 | 23 ± 9 | 20 |
| 520-VE01-V1-M-076 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 520-VE01-V1-M-077 | N/A | N/A | 20 ± 9 | 19 | 26 ± 10 | 20 |
| 520-VE01-V1-M-078 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 520-VE01-V1-M-079 | N/A | N/A | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 520-VE01-V1-M-080 | N/A | N/A | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 520-VE01-V1-M-081 | N/A | N/A | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 520-VE01-V1-M-082 | N/A | N/A | 17 ± 8 | 19 | 19 ± 9 | 20 |
| 520-VE01-V1-M-083 | N/A | N/A | 15 ± 8 | 19 | 17 ± 8 | 20 |
| 520-VE01-V1-M-084 | N/A | N/A | 21 ± 9 | 19 | 15 ± 8 | 20 |
| 520-VE01-V1-M-085 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 520-VE01-V1-M-086 | N/A | N/A | 19 ± 9 | 19 | 19 ± 9 | 20 |
| 520-VE01-V1-M-087 | N/A | N/A | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 520-VE01-V1-M-088 | N/A | N/A | 29 ± 11 | 19 | 26 ± 10 | 20 |
| 520-VE01-V1-M-089 | N/A | N/A | 21 ± 9 | 19 | 19 ± 9 | 20 |
| 520-VE01-V1-M-090 | N/A | N/A | 23 ± 9 | 19 | 24 ± 10 | 20 |
| 520-VE01-V1-M-091 | N/A | N/A | 24 ± 10 | 19 | 24 ± 10 | 20 |
| 520-VE01-V1-M-092 | N/A | N/A | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 520-VE01-V1-M-093 | N/A | N/A | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 520-VE01-V1-M-094 | N/A | N/A | 23 ± 9 | 19 | 21 ± 9 | 20 |
| 520-VE01-V1-M-095 | N/A | N/A | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 520-VE01-V1-M-096 | N/A | N/A | 19 ± 9 | 19 | 22 ± 9 | 20 |
| 520-VE01-V1-M-097 | N/A | N/A | 23 ± 9 | 19 | 25 ± 10 | 20 |
| 520-VE01-V1-M-098 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 520-VE01-V1-M-099 | N/A | N/A | 28 ± 10 | 19 | 26 ± 10 | 20 |
| 520-VE01-V1-M-100 | N/A | N/A | 27 ± 10 | 19 | 26 ± 10 | 20 |
| 520-VE01-V1-M-101 | N/A | N/A | 15 ± 8 | 19 | 18 ± 8 | 20 |
| 520-VE01-V1-M-102 | N/A | N/A | 14 ± 7 | 19 | 24 ± 10 | 20 |
| 520-VE01-V1-M-103 | N/A | N/A | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 520-VE01-V1-M-104 | N/A | N/A | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 520-VE01-V1-M-105 | N/A | N/A | 15 ± 8 | 19 | 10 ± 6 | 20 |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Building Systems Final Status Survey Results

## Building 520 Survey Unit VE01 Class: N/A

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-VE01-V1-M-106 | N/A | N/A | 15 ± 8 | 19 | 13 ± 7 | 20 |
| 520-VE01-V1-M-107 | N/A | N/A | 20 ± 9 | 19 | 20 ± 9 | 20 |
| 520-VE01-V1-M-108 | N/A | N/A | 25 ± 10 | 19 | 24 ± 10 | 20 |
| 520-VE01-V2-M-109 | N/A | N/A | 22 ± 9 | 19 | 27 ± 10 | 20 |
| 520-VE01-V2-M-110 | N/A | N/A | 28 ± 10 | 19 | 21 ± 9 | 20 |
| 520-VE01-V2-M-111 | N/A | N/A | 23 ± 9 | 19 | 19 ± 9 | 20 |
| 520-VE01-V2-M-112 | N/A | N/A | 26 ± 10 | 19 | 19 ± 9 | 20 |
| 520-VE01-V2-M-113 | N/A | N/A | 17 ± 8 | 19 | 24 ± 10 | 20 |
| 520-VE01-V2-M-114 | N/A | N/A | 23 ± 9 | 19 | 20 ± 9 | 20 |
| 520-VE01-V2-M-115 | N/A | N/A | 79 ± 17 | 19 | 18 ± 8 | 20 |
| 520-VE01-V2-M-116 | N/A | N/A | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 520-VE01-V2-M-117 | N/A | N/A | 62 ± 15 | 19 | 74 ± 17 | 20 |
| Summary for Survey Unit # VE01 (117 detail records) | | | | | | |
| **Average** | | | 20 | | 21 | |
| **Minimum** | | | 10 | | 9 | |
| **Maximum** | | | 79 | | 74 | |
| **Standard Deviation** | | | 8 | | 6 | |
| Summary for Building # 520 (367 detail records) | | | | | | |
| **Avg** | | | 20 | | 20 | |
| **Min** | | | 6 | | 9 | |
| **Max** | | | 91 | | 74 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Quality Assurance Survey Results

## Building 025 Survey Unit 1101 Class 1

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-1101-S2-W-001 | 76 ± 470 | 646 | 18 ± 8 | 19 | 17 ± 8 | 20 |
| 025-1101-F1-T-002 | 76 ± 470 | 646 | 19 ± 9 | 19 | 26 ± 10 | 20 |
| 025-1101-F1-T-003 | -17 ± 465 | 646 | 15 ± 8 | 19 | 20 ± 9 | 20 |
| 025-1101-S2-W-004 | 118 ± 472 | 646 | 19 ± 9 | 19 | 18 ± 8 | 20 |
| 025-1101-S2-W-005 | -17 ± 465 | 646 | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 025-1101-F1-C-006 | 609 ± 498 | 646 | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 025-1101-F1-T-007 | 338 ± 484 | 646 | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 025-1101-S2-W-008 | 169 ± 475 | 646 | 13 ± 7 | 19 | 13 ± 7 | 20 |
| 025-1101-S2-W-009 | 194 ± 476 | 646 | 18 ± 8 | 19 | 15 ± 8 | 20 |
| 025-1101-F1-T-010 | 549 ± 495 | 646 | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 025-1101-F1-T-011 | 296 ± 482 | 646 | 10 ± 6 | 19 | 15 ± 8 | 20 |
| 025-1101-S2-W-012 | -34 ± 464 | 646 | 15 ± 8 | 19 | 16 ± 8 | 20 |
| 025-1101-S2-W-013 | -85 ± 461 | 646 | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 025-1101-S2-W-014 | 101 ± 471 | 646 | 20 ± 9 | 19 | 22 ± 9 | 20 |
| 025-1101-S2-W-015 | 59 ± 469 | 646 | 20 ± 9 | 19 | 20 ± 9 | 20 |
| Summary for Survey Unit # 1101 (15 detail records) | | | | | | |
| **Average** | 162 | | 18 | | 20 | |
| **Minimum** | -85 | | 10 | | 13 | |
| **Maximum** | 609 | | 22 | | 26 | |
| **Standard Deviation** | 206 | | 3 | | 5 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Quality Assurance Survey Results

## Building 025 Survey Unit 1201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-1201-B1-M-001 | 211 ± 477 | 646 | 10 ± 6 | 19 | 17 ± 8 | 20 |
| 025-1201-B1-T-002 | 17 ± 467 | 646 | 22 ± 9 | 19 | 25 ± 10 | 20 |
| 025-1201-B1-M-003 | -8 ± 465 | 646 | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 025-1201-B1-M-004 | 51 ± 469 | 646 | 16 ± 8 | 19 | 16 ± 8 | 20 |
| 025-1201-B1-T-005 | 262 ± 480 | 646 | 16 ± 8 | 19 | 15 ± 8 | 20 |
| 025-1201-B1-M-006 | -262 ± 451 | 646 | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 025-1201-B1-T-007 | 169 ± 475 | 646 | 14 ± 7 | 19 | 13 ± 7 | 20 |
| 025-1201-B1-B-008 | 237 ± 479 | 646 | 13 ± 7 | 19 | 17 ± 8 | 20 |
| 025-1201-B1-H-009 | 330 ± 484 | 646 | 22 ± 9 | 19 | 33 ± 11 | 20 |
| 025-1201-B1-T-010 | 237 ± 479 | 646 | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 025-1201-B1-T-011 | 338 ± 484 | 646 | 10 ± 6 | 19 | 16 ± 8 | 20 |
| 025-1201-B1-T-012 | 287 ± 481 | 646 | 22 ± 9 | 19 | 26 ± 10 | 20 |
| 025-1201-B1-H-013 | 372 ± 486 | 646 | 12 ± 7 | 19 | 15 ± 8 | 20 |
| 025-1201-B1-H-014 | -42 ± 463 | 646 | 18 ± 8 | 19 | 13 ± 7 | 20 |
| Summary for Survey Unit # 1201 (14 detail records) | | | | | | |
| **Average** | 157 | | 17 | | 19 | |
| **Minimum** | -262 | | 10 | | 13 | |
| **Maximum** | 372 | | 24 | | 33 | |
| **Standard Deviation** | 181 | | 5 | | 6 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Quality Assurance Survey Results

## Building 025 Survey Unit 1301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 025-1301-F1-T-001 | 270 ± 481 | 646 | 14 ± 7 | 19 | 23 ± 9 | 20 |
| 025-1301-F1-P-002 | **1496** ± 542 | 646 | 20 ± 9 | 19 | 24 ± 10 | 20 |
| 025-1301-F1-T-003 | 228 ± 478 | 646 | 12 ± 7 | 19 | 16 ± 8 | 20 |
| 025-1301-F1-T-004 | 85 ± 470 | 646 | 12 ± 7 | 19 | 17 ± 8 | 20 |
| 025-1301-F1-P-005 | **1116** ± 524 | 646 | 23 ± 9 | 19 | 27 ± 10 | 20 |
| 025-1301-F1-T-006 | 313 ± 483 | 646 | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 025-1301-F1-T-007 | 355 ± 485 | 646 | 20 ± 9 | 19 | 25 ± 10 | 20 |
| 025-1301-S2-B-008 | 220 ± 478 | 646 | 15 ± 8 | 19 | 23 ± 9 | 20 |
| 025-1301-F1-T-009 | 76 ± 470 | 646 | 14 ± 7 | 19 | 11 ± 7 | 20 |
| 025-1301-F1-T-010 | 440 ± 490 | 646 | 14 ± 7 | 19 | 25 ± 10 | 20 |
| 025-1301-F1-T-011 | 177 ± 476 | 646 | 19 ± 9 | 19 | 22 ± 9 | 20 |
| *025-1301-F1-T-012* | *-59 ± 463* | *646* | *25 ± 10* | 19 | *25 ± 10* | 20 |
| 025-1301-F1-T-013 | 245 ± 479 | 646 | 20 ± 9 | 19 | 19 ± 9 | 20 |
| 025-1301-F1-T-014 | 144 ± 474 | 646 | 15 ± 8 | 19 | 19 ± 9 | 20 |
| 025-1301-F1-P-015 | **1192** ± 528 | 646 | 16 ± 8 | 19 | 19 ± 9 | 20 |
| *Summary for Survey Unit # 1301 (15 detail records)* | | | | | | |
| **Average** | 420 | | 17 | | 21 | |
| **Minimum** | -59 | | 12 | | 11 | |
| **Maximum** | 1496 | | 25 | | 27 | |
| **Standard Deviation** | 461 | | 4 | | 4 | |
| Summary for Building # 025 (44 detail records) | | | | | | |
| **Avg** | 248 | | 17 | | 20 | |
| **Min** | -262 | | 10 | | 11 | |
| **Max** | 1496 | | 25 | | 33 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Quality Assurance Survey Results

## Building 028 Survey Unit G201 Class 2

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-G201-F1-A-001 | **676** ± 508 | 655 | 22 ± 9 | 19 | 29 ● 11 | 20 |
| 028-G201-H1-M-002 | 17 ± 473 | 655 | 14 ± 7 | 19 | 20 ± 9 | 20 |
| 028-G201-F1-T-003 | 211 ± 484 | 655 | 12 ± 7 | 19 | 20 ± 9 | 20 |
| 028-G201-F1-T-004 | 330 ± 490 | 655 | 16 ± 8 | 19 | 14 ● 7 | 20 |
| 028-G201-F1-T-005 | 144 ± 480 | 655 | 23 ± 9 | 19 | 25 ● 10 | 20 |
| 028-G201-F1-T-006 | 76 ● 476 | 655 | 25 ± 10 | 19 | 27 ± 10 | 20 |
| 028-G201-B1-M-007 | 76 ± 476 | 655 | 15 ± 8 | 19 | 15 ± 8 | 20 |
| 028-G201-F1-T-008 | 194 ± 483 | 655 | 17 ± 8 | 19 | 21 ± 9 | 20 |
| 028-G201-F1-T-009 | 51 ± 475 | 655 | 24 ± 10 | 19 | 19 ± 9 | 20 |
| 028-G201-S2-B-010 | 59 ± 476 | 655 | 14 ± 7 | 19 | 18 ± 8 | 20 |
| 028-G201-F1-C-011 | **820** ± 515 | 655 | 21 ± 9 | 19 | 24 ± 10 | 20 |
| 028-G201-F1-T-012 | 118 ± 479 | 655 | 18 ± 8 | 19 | 24 ± 10 | 20 |
| 028-G201-F1-A-013 | 541 ± 501 | 655 | 16 ± 8 | 19 | 18 ± 8 | 20 |
| 028-G201-S2-B-014 | 42 ± 475 | 655 | 13 ± 7 | 19 | 16 ± 8 | 20 |
| Summary for Survey Unit # G201 (14 detail records) | | | | | | |
| **Average** | 240 | | 18 | | 21 | |
| **Minimum** | 17 | | 12 | | 14 | |
| **Maximum** | 820 | | 25 | | 29 | |
| **Standard Deviation** | 258 | | 4 | | 5 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Quality Assurance Survey Results

## Building 028 Survey Unit G301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 028-G301-F1-R-001 | 211 ± 476 | 643 | 16 ± 8 | 19 | 29 ± 11 | 20 |
| 028-G301-F1-T-002 | 389 ± 485 | 643 | 26 ± 10 | 19 | 23 ± 9 | 20 |
| 028-G301-F1-T-003 | 194 ● 475 | 643 | 19 ± 9 | 19 | 16 ± 8 | 20 |
| 028-G301-F1-T-004 | 93 ± 469 | 643 | 29 ± 11 | 19 | 25 ± 10 | 20 |
| 028-G301-F1-T-005 | 287 ± 480 | 643 | 25 ± 10 | 19 | 22 ± 9 | 20 |
| 028-G301-F1-T-006 | 93 ± 469 | 643 | 16 ± 8 | 19 | 17 ± 8 | 20 |
| 028-G301-F1-T-007 | 448 ± 488 | 643 | 10 ± 6 | 19 | 14 ± 7 | 20 |
| 028-G301-F1-T-008 | 93 ± 469 | 643 | 26 ± 10 | 19 | 27 ± 10 | 20 |
| 028-G301-F1-R-009 | -101 ± 458 | 643 | 26 ± 10 | 19 | 26 ± 10 | 20 |
| 028-G301-F1-R-010 | -25 ± 463 | 643 | 20 ± 9 | 19 | 21 ± 9 | 20 |
| 028-G301-B1-M-011 | 76 ± 468 | 643 | 21 ± 9 | 19 | 22 ± 9 | 20 |
| 028-G301-F1-R-012 | 363 ± 484 | 643 | 18 ● 8 | 19 | 16 ± 8 | 20 |
| 028-G301-F1-T-013 | 397 ± 485 | 643 | 22 ± 9 | 19 | 18 ± 8 | 20 |
| 028-G301-B1-M-014 | 93 ± 469 | 643 | 17 ± 8 | 19 | 19 ± 9 | 20 |
| Summary for Survey Unit # G301 (14 detail records) | | | | | | |
| **Average** | 187 | | 21 | | 21 | |
| **Minimum** | -101 | | 10 | | 14 | |
| **Maximum** | 448 | | 29 | | 29 | |
| **Standard Deviation** | 169 | | 5 | | 5 | |
| Summary for Building # 028 (28 detail records) | | | | | | |
| **Avg** | 213 | | 19 | | 21 | |
| **Min** | -101 | | 10 | | 14 | |
| **Max** | 820 | | 29 | | 29 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Quality Assurance Survey Results

## Building 520 Survey Unit G101 Class 1

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-G101-F1-C-001 | **627** ± 392 | 498 | 21 ± 9 | 19 | 25 ± 10 | 20 |
| 520-G101-F1-C-002 | **950** ± 408 | 498 | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 520-G101-H1-B-003 | 362 ± 378 | 498 | 11 ± 7 | 19 | 11 ± 7 | 20 |
| 520-G101-H1-B-004 | 13 ± 360 | 498 | 14 ± 7 | 19 | 25 ± 10 | 20 |
| 520-G101-F1-C-005 | **937** ± 407 | 498 | 18 ± 8 | 19 | 18 ± 8 | 20 |
| 520-G101-S2-W-006 | 45 ± 362 | 498 | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 520-G101-S2-W-007 | 13 ± 360 | 498 | 16 ± 8 | 19 | 19 ± 9 | 20 |
| 520-G101-S2-W-008 | -239 ± 346 | 498 | 24 ± 10 | 19 | 27 ± 10 | 20 |
| 520-G101-F1-C-009 | **1131** ± 417 | 498 | 12 ± 7 | 19 | 12 ± 7 | 20 |
| 520-G101-F1-C-010 | **989** ± 410 | 498 | 17 ± 8 | 19 | 26 ± 10 | 20 |
| 520-G101-F1-C-011 | **801** ± 401 | 498 | 16 ± 8 | 19 | 25 ± 10 | 20 |
| 520-G101-B1-B-012 | -439 ± 334 | 498 | 18 ± 8 | 19 | 21 ± 9 | 20 |
| 520-G101-S2-B-013 | -284 ± 343 | 498 | 17 ± 8 | 19 | 22 ± 9 | 20 |
| 520-G101-S2-W-014 | -168 ± 350 | 498 | 13 ± 7 | 19 | 22 ± 9 | 20 |
| 520-G101-B1-B-015 | 110 ± 365 | 498 | 20 ± 9 | 19 | 23 ± 9 | 20 |
| 520-G101-F1-C-016 | **1066** ± 413 | 498 | 18 ± 8 | 19 | 20 ± 9 | 20 |
| 520-G101-B1-B-017 | 233 ± 372 | 498 | 22 ± 9 | 19 | 17 ± 8 | 20 |
| 520-G101-F1-C-018 | **834** ● 402 | 498 | 21 ± 9 | 19 | 27 ● 10 | 20 |
| 520-G101-S2-W-019 | -168 ± 350 | 498 | 12 ± 7 | 19 | 25 ± 10 | 20 |
| 520-G101-S2-W-020 | -291 ± 343 | 498 | 25 ± 10 | 19 | 28 ± 10 | 20 |
| 520-G101-F1-C-021 | **853** ± 403 | 498 | 10 ± 6 | 19 | 19 ± 9 | 20 |
| 520-G101-B1-B-022 | -13 ± 358 | 498 | 16 ± 8 | 19 | 21 ± 9 | 20 |
| 520-G101-F1-C-023 | **1086** ± 414 | 498 | 14 ± 7 | 19 | 21 ± 9 | 20 |
| 520-G101-B1-B-024 | 265 ± 373 | 498 | 21 ± 9 | 19 | 21 ± 9 | 20 |
| 520-G101-S2-W-025 | -187 ± 349 | 498 | 20 ± 9 | 19 | 17 ± 8 | 20 |
| 520-G101-B1-B-026 | -149 ± 351 | 498 | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 520-G101-S2-W-027 | -52 ± 356 | 498 | 23 ± 9 | 19 | 22 ± 9 | 20 |
| 520-G101-S2-W-028 | 13 ± 360 | 498 | 18 ± 8 | 19 | 23 ± 9 | 20 |
| 520-G101-S2-W-029 | -116 ± 353 | 498 | 16 ± 8 | 19 | 18 ± 8 | 20 |
| Summary for Survey Unit # G101 (29 detail records) | | | | | | |
| **Average** | 283 | | 18 | | 21 | |
| **Minimum** | -439 | | 10 | | 11 | |
| **Maximum** | 1131 | | 25 | | 28 | |
| **Standard Deviation** | 511 | | 4 | | 4 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

# Quality Assurance Survey Results

## Building 520 Survey Unit G301 Class 3

| Location Code | Total Beta Activity Measurements | | Removable Activity Measurements | | | |
|---|---|---|---|---|---|---|
| | | | Tritium | | Carbon-14 | |
| | Activty | MDC | Activity | MDC | Activity | MDC |
| 520-G301-F1-T-001 | 200 ± 354 | 475 | 21 ± 9 | 19 | 30 ± 11 | 20 |
| 520-G301-F1-T-002 | 362 ± 363 | 475 | 19 ± 9 | 19 | 23 ± 9 | 20 |
| 520-G301-F1-T-003 | **562** ± 373 | 475 | 13 ± 7 | 19 | 20 ± 9 | 20 |
| 520-G301-F1-T-004 | 362 ± 363 | 475 | 14 ± 7 | 19 | 16 ± 8 | 20 |
| 520-G301-F1-T-005 | 355 ± 362 | 475 | 18 ± 8 | 19 | 25 ± 10 | 20 |
| 520-G301-F1-T-006 | 381 ± 364 | 475 | 8 ± 6 | 19 | 13 ± 7 | 20 |
| 520-G301-F1-T-007 | **562** ± 373 | 475 | 12 ± 7 | 19 | 18 ± 8 | 20 |
| 520-G301-B1-M-008 | 162 ± 352 | 475 | 17 ± 8 | 19 | 29 ± 11 | 20 |
| 520-G301-F1-T-009 | 123 ± 349 | 475 | 30 ± 11 | 19 | 29 ± 11 | 20 |
| 520-G301-F1-T-010 | 349 ± 362 | 475 | 12 ± 7 | 19 | 25 ± 10 | 20 |
| 520-G301-F1-I-011 | 343 ± 362 | 475 | 23 ± 9 | 19 | 30 ± 11 | 20 |
| 520-G301-F1-T-012 | 278 ± 358 | 475 | 16 ± 8 | 19 | 20 ± 9 | 20 |
| 520-G301-F1-C-013 | **1066** ± 399 | 475 | 13 ± 7 | 19 | 16 ± 8 | 20 |
| 520-G301-F1-T-014 | 226 ± 355 | 475 | 19 ± 9 | 19 | 24 ± 10 | 20 |
| Summary for Survey Unit # G301 (14 detail records) | | | | | | |
| **Average** | 381 | | 17 | | 23 | |
| **Minimum** | 123 | | 8 | | 13 | |
| **Maximum** | 1066 | | 30 | | 30 | |
| **Standard Deviation** | 236 | | 6 | | 6 | |
| Summary for Building # 520 (43 detail records) | | | | | | |
| **Avg** | 315 | | 17 | | 22 | |
| **Min** | -439 | | 8 | | 11 | |
| **Max** | 1131 | | 30 | | 30 | |

**Note: All total activity results reported in dpm/100cm^2, all removable activity results reported in gross cpm/100cm^2.**

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133
865-690-6819

Tom Hansen
Chase Environmental Group, Inc.
3501 Workman Road
Suite H
Knoxville, TN 37921

## Report of Analysis/Certificate of Conformance

02/13/2008

| | |
|---|---|
| LIMS #: | L34390 |
| Project ID# | CH085-3EREG-05A |
| Received: | 02/12/2008 |
| Delivery Date | 02/13/2008 |
| P.O.#: | *SIGNED QUOTE* |
| Release # | |
| SDG#: | |

This is to certify that Teledyne Brown Engineering - Environmental Services located at 2508 Quality Lane, Knoxville, Tennessee, 37931, has analyzed, tested and documented samples, as received by the laboratory, as specified in the applicable purchase order.

This also certifies that requirements of applicable codes, standards and specifications have been fully met and that any quality assurance documentation which verified conformance to the purchase order is on file and may be examined upon request.

I hereby certify that the above statements are true and correct.

Keith Jeter
Operations Manager

*Cross Reference Table*

| Client ID | Laboratory ID | Station ID (if applicable) |
|---|---|---|
| C0711005-01-01 | L34390-1 | |
| C0711005-01-02 | L34390-2 | |
| C0711005-01-03 | L34390-3 | |
| C0711005-02-01 | L34390-4 | |
| C0711005-02-02 | L34390-5 | |
| C0711005-02-03 | L34390-6 | |

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# Report of Analysis

02/13/08 14:29

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

## L34390

Chase Environmental Group, Inc.

CH085-3EREG-05A

Sample ID: C0711005-01-01
Station:
Description:
LIMS Number: L34390-1

Collect Start: 02/11/2008 10:25
Collect Stop:
Receive Date: 02/12/2008

Matrix: Solids (SD)
Volume:
% Moisture:

| Radionuclide | SOP# | Activity Conc | Uncertainty 2 Sigma | MDC | Units | Run # | Aliquot Volume | Aliquot Units | Reference Date | Count Date | Count Time | Count Units | Flag Values | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| K-40 | 2007 | **4.15E+00** | 6.45E-01 | 2.71E-01 | pCi/g | | 348.65 | g wet | 02/11/08 10:25 | 02/13/08 | 6000 | Sec | + | Yes |
| CO-57 | 2007 | 4.06E-03 | 1.92E-02 | **3.12E-02** | pCi/g | | 348.65 | g wet | 02/11/08 10:25 | 02/13/08 | 6000 | Sec | U | No |
| CO-58 | 2007 | -2.41E-02 | 2.00E-02 | **2.75E-02** | pCi/g | | 348.65 | g wet | 02/11/08 10:25 | 02/13/08 | 6000 | Sec | U | No |
| CO-60 | 2007 | 5.83E-03 | 1.82E-02 | **3.16E-02** | pCi/g | | 348.65 | g wet | 02/11/08 10:25 | 02/13/08 | 6000 | Sec | U | No |
| EU-152 | 2007 | -2.22E-02 | 7.76E-02 | **9.42E-02** | pCi/g | | 348.65 | g wet | 02/11/08 10:25 | 02/13/08 | 6000 | Sec | U | No |
| EU-154 | 2007 | 6.03E-03 | 4.03E-02 | **6.53E-02** | pCi/g | | 348.65 | g wet | 02/11/08 10:25 | 02/13/08 | 6000 | Sec | U | No |
| TL-208 | 2007 | **5.98E-02** | 3.73E-02 | 3.38E-02 | pCi/g | | 348.65 | g wet | 02/11/08 10:25 | 02/13/08 | 6000 | Sec | + | Yes |
| TH-228 | 2007 | **1.96E-01** | 4.61E-02 | 6.18E-02 | pCi/g | | 348.65 | g wet | 02/11/08 10:25 | 02/13/08 | 6000 | Sec | + | Yes |
| TH-230 | 2007 | **7.85E-01** | 6.06E-02 | 1.45E-01 | pCi/g | | 348.65 | g wet | 02/11/08 10:25 | 02/13/08 | 6000 | Sec | + | Yes |
| TH-232 | 2007 | **2.07E-01** | 8.58E-02 | 1.86E-01 | pCi/g | | 348.65 | g wet | 02/11/08 10:25 | 02/13/08 | 6000 | Sec | + | Yes |

Sample ID: C0711005-01-02
Station:
Description:
LIMS Number: L34390-2

Collect Start: 02/11/2008 10:40
Collect Stop:
Receive Date: 02/12/2008

Matrix: Solids (SD)
Volume:
% Moisture:

| Radionuclide | SOP# | Activity Conc | Uncertainty 2 Sigma | MDC | Units | Run # | Aliquot Volume | Aliquot Units | Reference Date | Count Date | Count Time | Count Units | Flag Values | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| K-40 | 2007 | **3.51E+00** | 7.97E-01 | 3.22E-01 | pCi/g | | 351.13 | g wet | 02/11/08 10:40 | 02/13/08 | 6000 | Sec | + | Yes |
| CO-57 | 2007 | 9.79E-03 | 2.37E-02 | **3.95E-02** | pCi/g | | 351.13 | g wet | 02/11/08 10:40 | 02/13/08 | 6000 | Sec | U | No |
| CO-58 | 2007 | -1.83E-02 | 2.35E-02 | **3.51E-02** | pCi/g | | 351.13 | g wet | 02/11/08 10:40 | 02/13/08 | 6000 | Sec | U | No |
| CO-60 | 2007 | 3.14E-02 | 2.57E-02 | **5.02E-02** | pCi/g | | 351.13 | g wet | 02/11/08 10:40 | 02/13/08 | 6000 | Sec | U | No |
| EU-152 | 2007 | 5.39E-03 | 7.99E-02 | **1.29E-01** | pCi/g | | 351.13 | g wet | 02/11/08 10:40 | 02/13/08 | 6000 | Sec | U | No |
| EU-154 | 2007 | 1.86E-02 | 4.99E-02 | **8.29E-02** | pCi/g | | 351.13 | g wet | 02/11/08 10:40 | 02/13/08 | 6000 | Sec | U | No |
| TH-228 | 2007 | **2.19E-01** | 6.08E-02 | 6.70E-02 | pCi/g | | 351.13 | g wet | 02/11/08 10:40 | 02/13/08 | 6000 | Sec | + | Yes |
| TH-230 | 2007 | **7.41E-01** | 7.57E-02 | 1.72E-01 | pCi/g | | 351.13 | g wet | 02/11/08 10:40 | 02/13/08 | 6000 | Sec | + | Yes |

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
\+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

**Bolded text indicates reportable value.**

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

# Report of Analysis

02/13/08 14:29

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

## L34390

Chase Environmental Group, Inc.

CH085-3EREG-05A

Tom Hansen

Sample ID: C0711005-01-03
Station:
Description:
LIMS Number: L34390-3

Collect Start: 02/11/2008 11:00
Collect Stop:
Receive Date: 02/12/2008

Matrix: Solids (SD)
Volume:
% Moisture:

| Radionuclide | SOP# | Activity Conc | Uncertainty 2 Sigma | MDC | Units | Run # | Aliquot Volume | Aliquot Units | Reference Date | Count Date | Count Time | Count Units | Flag Values | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| K-40 | 2007 | **3.69E+00** | 6.47E-01 | 2.58E-01 | pCi/g | | 337.65 | g wet | 02/11/08 11:00 | 02/13/08 | 6000 | Sec | + | Yes |
| CO-57 | 2007 | 1.29E-02 | 1.53E-02 | **2.56E-02** | pCi/g | | 337.65 | g wet | 02/11/08 11:00 | 02/13/08 | 6000 | Sec | U | No |
| CO-58 | 2007 | -1.70E-02 | 2.23E-02 | **3.26E-02** | pCi/g | | 337.65 | g wet | 02/11/08 11:00 | 02/13/08 | 6000 | Sec | U | No |
| CO-60 | 2007 | 2.40E-02 | 2.89E-02 | **5.29E-02** | pCi/g | | 337.65 | g wet | 02/11/08 11:00 | 02/13/08 | 6000 | Sec | U | No |
| EU-152 | 2007 | 3.36E-02 | 6.70E-02 | **1.04E-01** | pCi/g | | 337.65 | g wet | 02/11/08 11:00 | 02/13/08 | 6000 | Sec | U | No |
| EU-154 | 2007 | 2.53E-03 | 3.26E-02 | **5.23E-02** | pCi/g | | 337.65 | g wet | 02/11/08 11:00 | 02/13/08 | 6000 | Sec | + | Yes |
| TL-208 | 2007 | **8.29E-02** | 4.77E-02 | 3.83E-02 | pCi/g | | 337.65 | g wet | 02/11/08 11:00 | 02/13/08 | 6000 | Sec | + | Yes |
| RA-226 | 2007 | **1.11E+00** | 6.53E-01 | 6.66E-01 | pCi/g | | 337.65 | g wet | 02/11/08 11:00 | 02/13/08 | 6000 | Sec | + | Yes |
| TH-228 | 2007 | **1.95E-01** | 4.56E-02 | 4.94E-02 | pCi/g | | 337.65 | g wet | 02/11/08 11:00 | 02/13/08 | 6000 | Sec | + | Yes |
| TH-230 | 2007 | **7.13E-01** | 6.17E-02 | 1.31E-01 | pCi/g | | 337.65 | g wet | 02/11/08 11:00 | 02/13/08 | 6000 | Sec | + | Yes |
| TH-232 | 2007 | **1.88E-01** | 9.57E-02 | 1.37E-01 | pCi/g | | 337.65 | g wet | 02/11/08 11:00 | 02/13/08 | 6000 | Sec | + | Yes |

Sample ID: C0711005-02-01
Station:
Description:
LIMS Number: L34390-4

Collect Start: 02/11/2008 11:35
Collect Stop:
Receive Date: 02/12/2008

Matrix: Solids (SD)
Volume:
% Moisture:

| Radionuclide | SOP# | Activity Conc | Uncertainty 2 Sigma | MDC | Units | Run # | Aliquot Volume | Aliquot Units | Reference Date | Count Date | Count Time | Count Units | Flag Values | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CO-57 | 2007 | -1.23E-03 | 1.69E-02 | **2.66E-02** | pCi/g | | 174.42 | g wet | 02/11/08 11:35 | 02/13/08 | 6000 | Sec | U | No |
| CO-58 | 2007 | -1.45E-02 | 2.60E-02 | **3.86E-02** | pCi/g | | 174.42 | g wet | 02/11/08 11:35 | 02/13/08 | 6000 | Sec | U | No |
| CO-60 | 2007 | -1.14E-03 | 3.17E-02 | **5.11E-02** | pCi/g | | 174.42 | g wet | 02/11/08 11:35 | 02/13/08 | 6000 | Sec | U | No |
| EU-152 | 2007 | 1.32E-02 | 6.58E-02 | **1.05E-01** | pCi/g | | 174.42 | g wet | 02/11/08 11:35 | 02/13/08 | 6000 | Sec | U | No |
| EU-154 | 2007 | -2.32E-02 | 3.52E-02 | **5.26E-02** | pCi/g | | 174.42 | g wet | 02/11/08 11:35 | 02/13/08 | 6000 | Sec | + | Yes |
| TH-230 | 2007 | **2.44E-01** | 5.13E-02 | 1.64E-01 | pCi/g | | 174.42 | g wet | 02/11/08 11:35 | 02/13/08 | 6000 | Sec | | |

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

**Bolded text indicates reportable value.**

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

# Report of Analysis

02/13/08 14:29

TELEDYNE BROWN ENGINEERING, INC.
A Teledyne Technologies Company

## L34390

Chase Environmental Group, Inc.

CH085-3EREG-05A

Tom Hansen

Sample ID: C0711005-02-02
Station:
Description:
LIMS Number: L34390-5

Collect Start: 02/11/2008 11:50
Collect Stop:
Receive Date: 02/12/2008

Matrix: Solids (SD)
Volume:
% Moisture:

| Radionuclide | SOP# | Activity Conc | Uncertainty 2 Sigma | MDC | Units | Run # | Aliquot Volume | Aliquot Units | Reference Date | Count Date | Count Time | Count Units | Flag Values | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| K-40 | 2007 | **4.62E+00** | 6.88E-01 | 3.83E-01 | pCi/g | | 340.16 | g wet | 02/11/08 11:50 | 02/13/08 | 6000 | Sec | + | Yes |
| CO-57 | 2007 | 1.33E-02 | 1.99E-02 | **3.38E-02** | pCi/g | | 340.16 | g wet | 02/11/08 11:50 | 02/13/08 | 6000 | Sec | U | No |
| CO-58 | 2007 | -4.19E-05 | 2.49E-02 | **4.04E-02** | pCi/g | | 340.16 | g wet | 02/11/08 11:50 | 02/13/08 | 6000 | Sec | U | No |
| CO-60 | 2007 | 4.05E-02 | 2.67E-02 | **4.98E-02** | pCi/g | | 340.16 | g wet | 02/11/08 11:50 | 02/13/08 | 6000 | Sec | U | Yes |
| EU-152 | 2007 | -1.95E-02 | 7.95E-02 | **1.25E-01** | pCi/g | | 340.16 | g wet | 02/11/08 11:50 | 02/13/08 | 6000 | Sec | U | No |
| EU-154 | 2007 | 2.12E-02 | 4.19E-02 | **7.08E-02** | pCi/g | | 340.16 | g wet | 02/11/08 11:50 | 02/13/08 | 6000 | Sec | U | No |
| TL-208 | 2007 | **8.25E-02** | 4.40E-02 | 4.39E-02 | pCi/g | | 340.16 | g wet | 02/11/08 11:50 | 02/13/08 | 6000 | Sec | + | Yes |
| RA-226 | 2007 | **1.41E+00** | 8.75E-01 | 8.45E-01 | pCi/g | | 340.16 | g wet | 02/11/08 11:50 | 02/13/08 | 6000 | Sec | + | Yes |
| TH-228 | 2007 | **2.19E-01** | 5.41E-02 | 6.55E-02 | pCi/g | | 340.16 | g wet | 02/11/08 11:50 | 02/13/08 | 6000 | Sec | + | Yes |
| TH-230 | 2007 | **8.88E-01** | 7.29E-02 | 1.66E-01 | pCi/g | | 340.16 | g wet | 02/11/08 11:50 | 02/13/08 | 6000 | Sec | + | Yes |

Sample ID: C0711005-02-03
Station:
Description:
LIMS Number: L34390-6

Collect Start: 02/11/2008 12:00
Collect Stop:
Receive Date: 02/12/2008

Matrix: Solids (SD)
Volume:
% Moisture:

| Radionuclide | SOP# | Activity Conc | Uncertainty 2 Sigma | MDC | Units | Run # | Aliquot Volume | Aliquot Units | Reference Date | Count Date | Count Time | Count Units | Flag Values | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| K-40 | 2007 | **3.19E+00** | 5.85E-01 | 2.36E-01 | pCi/g | | 353.22 | g wet | 02/11/08 12:00 | 02/13/08 | 6000 | Sec | + | Yes |
| CO-57 | 2007 | 1.14E-02 | 9.77E-03 | **1.78E-02** | pCi/g | | 353.22 | g wet | 02/11/08 12:00 | 02/13/08 | 6000 | Sec | U | No |
| CO-58 | 2007 | 4.72E-03 | 8.97E-03 | **1.86E-02** | pCi/g | | 353.22 | g wet | 02/11/08 12:00 | 02/13/08 | 6000 | Sec | U | No |
| CO-60 | 2007 | 8.91E-04 | 1.54E-02 | **2.75E-02** | pCi/g | | 353.22 | g wet | 02/11/08 12:00 | 02/13/08 | 6000 | Sec | U | No |
| EU-152 | 2007 | 2.79E-02 | 3.17E-02 | **6.04E-02** | pCi/g | | 353.22 | g wet | 02/11/08 12:00 | 02/13/08 | 6000 | Sec | U | No |
| EU-154 | 2007 | -3.52E-03 | 2.05E-02 | **3.36E-02** | pCi/g | | 353.22 | g wet | 02/11/08 12:00 | 02/13/08 | 6000 | Sec | U | No |
| TL-208 | 2007 | **4.85E-02** | 2.55E-02 | 2.43E-02 | pCi/g | | 353.22 | g wet | 02/11/08 12:00 | 02/13/08 | 6000 | Sec | + | Yes |
| RA-226 | 2007 | **8.83E-01** | 5.79E-01 | 4.04E-01 | pCi/g | | 353.22 | g wet | 02/11/08 12:00 | 02/13/08 | 6000 | Sec | + | Yes |
| TH-228 | 2007 | **1.68E-01** | 4.52E-02 | 3.17E-02 | pCi/g | | 353.22 | g wet | 02/11/08 12:00 | 02/13/08 | 6000 | Sec | + | Yes |
| TH-230 | 2007 | **5.99E-01** | 5.41E-02 | 6.57E-02 | pCi/g | | 353.22 | g wet | 02/11/08 12:00 | 02/13/08 | 6000 | Sec | + | Yes |
| TH-232 | 2007 | **1.42E-01** | 6.60E-02 | 1.39E-01 | pCi/g | | 353.22 | g wet | 02/11/08 12:00 | 02/13/08 | 6000 | Sec | + | Yes |

Flag Values
- U = Compound/Analyte not detected or less than 3 sigma
- + = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
- U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
- High = Activity concentration exceeds customer reporting value
- Spec = MDC exceeds customer technical specification
- L = Low recovery
- H = High recovery

**Bolded text indicates reportable value.**

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

# Chain of Custody Record

**No. C0711005-001**

L34390

*Chase Environmental Group, Inc.*
*109 Flint Rd., Oak Ridge, TN 37830*
*865-481-8801*

| | |
|---|---|
| Project Name: Pfizer | Project Number: C0711005 |
| Send Report To: Ken Gavlik | Sampler (Print Name): Randy west |
| Address: 109 Flint Rd | Sampler (Print Name): |
| Oak Ridge, TN 37830 | Shipment Method: Hand Deliver |
| E-mail: kgavlik@chaseenv.com thansen@chaseenv.com | Airbill Number: N/A |
| Phone: (865) 481-8801 | Laboratory Receiving: TBE |
| Fax: (865) 481-8818 | |

Page 1 of 1

Purchase Order #: _____

| Field Sample ID | Sample Date | Sample Time | Sample Matrix | Number of Containers | Analysis Requested: Gamma Spectroscopy | Comments, Special Instructions, etc. | Lab Sample ID (to be completed by lab) |
|---|---|---|---|---|---|---|---|
| C0711005-01-01 | 02/11/08 | 10:25 | Solid | 1 | X | 0-4" | |
| C0711005-01-02 | 02/11/08 | 10:40 | Solid | 1 | X | 4"-8" with Rebar | |
| C0711005-01-03 | 02/11/08 | 11:00 | Solid | 1 | X | 8"-12" | |
| C0711005-02-01 | 02/11/08 | 11:35 | Solid | 1 | X | 8" metal plate | |
| C0711005-02-02 | 02/11/08 | 11:50 | Solid | 1 | X | 0-4" | |
| C0711005-02-03 | 02/11/08 | 12:00 | Solid | 1 | X | 4"-8" | |

Request 24 hr TAT. Send results to T. Hansen and K. Gavlik (See email address above.) Perform Gamma spec. report all true positives.

Look for Europium + Co60, 0.5 MDC?

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| [signature] | Pat Marshall | 2/12/08 | 1806 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |

Sample Custodian Remarks (Completed By laboratory):

| QA/QC level | | Turnaround | | Sample Receipt | |
|---|---|---|---|---|---|
| Level I | ↑ | Routine | ↑ | Total # Containers Received? | |
| Level II | ↑ | 24 Hour | ↑ | COC Seals Present? | |
| Level III | ↑ | 1 Week | ↑ | COC Seals Intact? | |
| Other | ↑ | Other _____ | | Received Containers Intact? | |
| | | | | Temperature? | |

02/12/08 17:21

SR #: SR16578

# Teledyne Brown Engineering
## Sample Receipt Verification/Variance Report

Client: CHASE ENVIRONMENTAL GROUP INC  Project #: CH085-3EREG-05A  LIMS #: L34390

Initiated By: PMARSHALL
Init Date: 02/12/08  Receive Date: 02/12/08

### Notification of Variance

Person Notified:  Contacted By:
Notify Date:
Notify Method:
Notify Comment:

### Client Response

Person Responding:
Response Date:
Response Method:
Response Comment

| | Criteria | Yes | No | NA | Comment |
|---|---|---|---|---|---|
| 1 | Shipping container custody seals present and intact. | | | NA | |
| 2 | Sample container custody seals present and intact. | | | NA | |
| 3 | Sample containers received in good condition | Y | | | |
| 4 | Chain of custody received with samples | Y | | | |
| 5 | All samples listed on chain of custody received | Y | | | |
| 6 | Sample container labels present and legible. | Y | | | |
| 7 | Information on container labels correspond with chain of custody | Y | | | |
| 8 | Sample(s) properly preserved and in appropriate container(s) | | | NA | |
| 9 | Other (Describe) | | | NA | |

TELEDYNE
BROWN ENGINEERING, INC.
A Teledyne Technologies Company
2508 Quality Lane
Knoxville, TN 37931-3133
865-690-6819

Dave Culp
Chase Environmental Group, Inc.
3501 Workman Road
Suite H
Knoxville, TN 37921

# Report of Analysis/Certificate of Conformance

05/22/2008

| | |
|---|---|
| LIMS #: | L35051 |
| Project ID# | CH085-3EPFIZER-08 |
| Received: | 04/24/2008 |
| Delivery Date | 05/24/2008 |
| P.O.#: | Q06-060 |
| Release # | |
| SDG#: | |

This is to certify that Teledyne Brown Engineering - Environmental Services located at 2508 Quality Lane, Knoxville, Tennessee, 37931, has analyzed, tested and documented samples, as received by the laboratory, as specified in the applicable purchase order.

This also certifies that requirements of applicable codes, standards and specifications have been fully met and that any quality assurance documentation which verified conformance to the purchase order is on file and may be examined upon request.

I hereby certify that the above statements are true and correct.

Keith Jeter
Operations Manager

*Cross Reference Table*

| Client ID | Laboratory ID | Station ID (if applicable) |
|---|---|---|
| C0711005-01 (SOLID) | L35051-1 | |
| C0711005-01 (LIQUID) | L35051-2 | |

*Method Reference Numbers*

| Matrix | Analysis | Method Reference |
|---|---|---|
| WO | H-3 | EPA 906.0 |

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# Report ( Analysis

05/22/08 14:16

TELEDYNE ( BROWN ENG...ERING, INC.
A Teledyne Technologies Company

## L35051

Chase Environmental Group, Inc.

CH085-3EPFIZER-08

Sample ID: **C0711005-01 (SOLID)** Collect Start: 04/18/2008 00:00 Matrix: Solids (SD)
Station: Collect Stop: Volume:
Description: Receive Date: 04/24/2008 % Moisture:
LIMS Number: L35051-1

| Radionuclide | SOP# | Activity Conc | Uncertainty 2 Sigma | MDC | Units | Run # | Aliquot Volume | Aliquot Units | Reference Date | Count Date | Count Time | Count Units | Flag Values | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C-14 | 2003 | -7.70E+00 | 1.43E+00 | **2.50E+00** | pCi/g | | .5403 | g wet | | 05/20/08 | 120 | M | U | | | |
| H-3 | 2003 | -1.19E+00 | 2.44E+00 | **4.08E+00** | pCi/g | | .5403 | g wet | | 05/20/08 | 60 | M | U | | | |

Sample ID: **C0711005-01 (LIQUID)** Collect Start: 04/18/2008 00:00 Matrix: Water (WO)
Station: Collect Stop: Volume:
Description: Receive Date: 04/24/2008 % Moisture:
LIMS Number: L35051-2

| Radionuclide | SOP# | Activity Conc | Uncertainty 2 Sigma | MDC | Units | Run # | Aliquot Volume | Aliquot Units | Reference Date | Count Date | Count Time | Count Units | Flag Values | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C-14 ASSAY | 2010 | 1.55E+02 | 9.45E+02 | **1.60E+03** | pCi/L | | 2 | ml | | 05/16/08 | 26.16 | M | U | | | |
| H-3 | 2010 | 2.32E+02 | 1.24E+03 | **2.02E+03** | pCi/L | | 2 | ml | | 05/16/08 | 30 | M | U | | | |

Flag Values
U = Compound/Analyte not detected or less than 3 sigma
+ = Activity concentration exceeds MDC and 3 sigma; peak identified(gamma only)
U* = Compound/Analyte not detected. Peak not identified, but forced activity concentration exceeds MDC and 3 sigma
High = Activity concentration exceeds customer reporting value
Spec = MDC exceeds customer technical specification
L = Low recovery
H = High recovery

**Bolded text indicates reportable value.**

No = Peak not identified in gamma spectrum
Yes = Peak identified in gamma spectrum
**** Results are reported on an as received basis unless otherwise noted

MDC - Minimum Detectable Concentration

# Chain of Custody Record

No. L35051

Chase Environmental Group, Inc.

| | |
|---|---|
| Project Name: Pfizer Ann Arbor | Project Number: C0711005 |
| Send Report To: Ken Gavlik, kgavlik@chaseenv.com | Sampler (Print Name): Ken Gavlik |
| Address: 109 Flint Road | Sampler (Print Name): |
| Oak Ridge, TN 37830 | Shipment Method: Hand Deliver |
| | Airbill Number: |
| Phone: 865-851-5202 | Laboratory Receiving: |
| Fax: 865-481-8818 | |

Page 1 of 1

Purchase Order #: _____

| Field Sample ID | Sample Date | Sample Time | Sample Matrix | Number of Containers | C-14 | H-3 | | | | | | | | | | Comments, Special Instructions, etc. | Lab Sample ID (to be completed by lab) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C0711005-01 | 4/18/08 | 1542 | Liquid | 1 | X | X | | | | | | | | | | Sanitary Drain | |

| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
|---|---|---|---|
| [signature] | Pat Marshall | 4/28/08 | 1115 |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |
| Relinquished by: (Signature) | Received by: (Signature) | Date: | Time: |

Sample Custodian Remarks (Completed By laboratory):

| QA/QC level | | Turnaround | | Sample Receipt | |
|---|---|---|---|---|---|
| Level I | ↑ | Routine | ↑ | Total # Containers Received? | |
| Level II | ↑ | 24 Hour | ↑ | COC Seals Present? | |
| Level III | ↑ | 1 Week | ↑ | COC Seals Intact? | |
| Other | ↑ | Other _____ | | Received Containers Intact? | |
| | | | | Temperature? | |

Log 1 sample as solid
log 1 sample as liquid } Both 4 (H3/C14)

CH0855-3EPfizer-08

L35051 3 of 3

RT 593 D
FZ 0 2430
06.06

ORIGIN ID: ARBA (734) 622-7095
CHRIS GUPTON
PFIZER
1600 HURON PKWY
550 SOUTH DOCK
ANN ARBOR, MI 48105
UNITED STATES US

Ship Date: 06JUN08
ActWgt: 17.0 LB
System#: 0734842/CAFE2355
Account: S *********
Dimmed: 12x12x12 IN

TO PATRICIA PELKE
NUCLEAR REGULATORY COMMISSION
2443 WARRENVILLE RD
SUITE 210
LISLE, IL 60532

(734) 622-4467

FedEx Express

Ref: 5A236 2934
Dept: RET169023

RECEIVED JUN 0 6 2008

Delivery Address Barcode

BILL SENDER

STANDARD OVERNIGHT

FRI
Deliver By:
06JUN08

TRK# 6996 2881 2430 Form 0201

ORD A2

60532 -IL-US NY ENLA

Part # 154250-354 NRIT 12-07