



01-0782

Corporate Environmental Programs  
General Electric Company  
100 Woodlawn Avenue, Pittsfield, MA 01201

*Transmitted Via Overnight Delivery*

August 4, 2004

Mr. James M. DiLorenzo  
U.S. Environmental Protection Agency  
EPA – New England (MC HBO)  
One Congress Street, Suite 1100  
Boston, MA 02114-2023

**Re: Proposal for Supplemental Building Material Characterization Activities –  
Buildings 42, 43/43-A, 44  
GE-Pittsfield/Housatonic River Site  
40s Complex (GECD120)**

Dear Mr. DiLorenzo:

As you know, under the terms of the Definitive Economic Development Agreement (DEDA), the General Electric Company (GE) will transfer certain areas of its Pittsfield, Massachusetts facility to the Pittsfield Economic Development Authority (PEDA). Such transfers are performed following the conclusion of building demolition activities and the performance of any soil-related response actions as required under the October 2000 Consent Decree (CD) for the GE-Pittsfield/Housatonic River Site. For one such area -- known as the 40s Complex, which includes Buildings 42, 43/43-A, and 44 and related adjacent lands (Figure 1) -- GE has completed the required soil investigations and determined, with concurrence from the U.S. Environmental Protection Agency (EPA), that no soil-related response actions are needed to achieve the Performance Standards specified in the CD and *Statement of Work for Removal Actions Outside the River* (SOW).

Regarding the building demolition activities, GE has previously characterized the building materials to: 1) support the demolition work (portions of which are currently ongoing and expected to continue for the next several months); and 2) identify and evaluate potential options for the disposition of the building demolition debris. For the latter activity, evaluations were performed to determine whether the demolition debris would be suitable for consolidation at the Building 71 and/or Hill 78 On-Plant Consolidation Areas (OPCAs). More recently, GE has discussed with EPA and the Massachusetts Department of Environmental Protection (MDEP) the use of select building materials (e.g., concrete, brick, etc.) for future subgrade backfill materials within the 40s Complex similar to the prior re-use of select building demolition materials of GE's 30s Complex. GE has determined that additional sampling, beyond the building characterization activities performed to date, is appropriate to further evaluate the possible re-use of building demolition debris as backfill materials within the 40s Complex. The remainder of this letter presents a summary of the prior characterization activities of building materials conducted at the 40s Complex, followed by GE's proposal and schedule for supplemental building characterization activities and submittal of a summary report to EPA, with a copy to MDEP.

## I. Previous Building Characterization Activities and Evaluation of Existing PCB Data

GE conducted characterization sampling for Buildings 42, 43/43-A, and 44 between July 2002 and January 2004, to support the design and development of a demolition plan for these buildings and to evaluate potential disposition options of the building demolition debris. That program involved the collection of samples from concrete floors, blocks, and/or walls from 84 locations for analysis of polychlorinated biphenyls (PCBs), as well as collection of 11 composite samples of concrete floor/wall materials for Toxicity Characteristic Leaching Procedure (TCLP) analysis of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides/herbicides, and metals. Sampling and analysis were generally conducted in accordance with the requirements of the *Protocols for Building Demolition and Associated Characterization Activities*, which is Exhibit A-1 of the *Waste Characterization Plan* [Attachment A of the July 2003 *Project Operations Plan* (POP)] and the *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP).

Under the Building Demolition Protocols, initial characterization sampling of building materials subject to demolition (with the exception of wood block flooring and structural steel) is performed using an area-based approach, requiring the collection of one sample for every 5,000 square feet of floor area for analysis of PCBs and one composite sample for every 50,000 square feet of floor area for TCLP analysis. In addition, the Building Demolition Protocols require that a minimum number of samples be collected per floor of each building for PCB and TCLP analyses to determine if the building materials are suitable for disposition at the Hill 78 OPCA. The initial characterization sampling activities that occurred between July 2002 and January 2004 were performed in accordance with these Building Demolition Protocols, with the exception that no TCLP samples were collected from the first floor of Building 42 since the floor slab(s) are not being removed as part of the building demolition activities.

A review of the data from the initial characterization event indicated that PCBs were detected at levels ranging from non-detect to 7,500 ppm. Specifically, 77 of the 84 collected samples contained PCBs at concentrations less than 50 ppm (i.e., ranging from non-detect to a maximum of 44 ppm). The remaining seven samples contained PCBs at concentrations ranging from 130 ppm to 7,500 ppm, and were collected at the following locations:

- 42-4-CF-6 (7,500 ppm) - Building 42 fourth floor (concrete);
- 42-4-CF-7 (2,100 ppm with a duplicate sample of 2,500 ppm) - Building 42 fourth floor (concrete);
- 42-4-CF-8 (1,100 ppm) - Building 42 fourth floor (concrete);
- 42-1-CW-6 (690 ppm) - Building 42 first floor, north wall (concrete);
- 43-4-CF-7 (180 ppm) - Building 43 fourth floor (concrete);
- 43-4-CF-4 (140 ppm) - Building 43 fourth floor (concrete); and
- 42-3-CF-10 (130 ppm) - Building 42 third floor (concrete).

None of the results for the 11 samples collected for TCLP analysis exceeded the respective RCRA TCLP regulatory limits. Therefore, for the portions of the buildings that contain PCBs at concentrations less than 50 ppm, the building materials were considered suitable for consolidation at GE's Hill 78 OPCA. For building materials where PCBs were detected at concentrations greater than or equal to 50 ppm, those materials may be consolidated at the Building 71 OPCA. The PCB and TCLP results from the previous building characterization sampling conducted between July 2002 and January 2004 were provided to EPA in the appropriate CD Monthly Status Reports for the months when the results became available and are included in Tables 1 and 2, respectively. The locations where these samples were collected are depicted on the figures provided in Attachment A.

Based on the aforementioned discussions between GE and EPA regarding the potential re-use of the building demolition debris from the 40s Complex as subgrade backfill materials, GE calculated an arithmetic average concentration of the 84 PCB sample results generated as part of the pre-demolition characterization activities. Calculation of an arithmetic average concentration to determine whether these building materials can be re-used as subgrade backfill was considered an appropriate method to represent the PCB concentration of the material because: 1) the sample locations are well-distributed; 2) several sample locations were "biased" to potentially PCB-impacted areas (e.g., stained areas); and 3) it is anticipated that the various building materials will be mixed and homogenized upon crushing/preparation for use as backfill material. The arithmetic average concentration of all 84 existing PCB characterization samples (including the seven samples with PCB concentrations over 50 ppm) is approximately 149 ppm (Table 3).

After identifying the portions of the buildings corresponding to the seven samples containing PCBs greater than 50 ppm, and therefore subject to segregation and consolidation at the Building 71 OPCA, a second arithmetic average calculation was performed for the remaining 77 samples with PCB levels below 50 ppm (Table 4). The average of these remaining 77 samples was 5.8 ppm. Given that the maximum PCB concentration for the remaining samples is 44 ppm, that maximum concentration is less than the "not-to-exceed" concentration of 125 ppm for materials in the 0- to 1-foot depth increment. Moreover, the arithmetic average PCB concentration of the building characterization data for those materials is below 25 and 200 ppm (the applicable Performance Standard for PCBs in soils for the 0- to 1-foot and 1- to 6-foot depth increments, respectively, within the 40s Complex). Therefore, based on the available PCB data, re-use of the building demolition debris as backfill materials will not adversely impact the achievement of the PCB Performance Standard for the 0- to 1-foot depth increment.

GE has estimated that the total quantity of concrete, brick, and related material that will be generated during demolition of the buildings located within the 40s Complex is approximately 23,000 cy (Table 5). To estimate the quantity of material subject to consolidation at the Building 71 OPCA, GE utilized the next closest location where PCBs were detected at concentrations below 50 ppm or the extent/limits of the floor or wall to establish limits, areas, and volumes of such material. Using this approach, GE calculated an estimated volume of approximately 4,000 cy of material for consolidation at the Building 71 OPCA. The approximate and preliminary areas to be segregated for consolidation at the Building 71 OPCA are also depicted on the figures provided in Attachment A. The remaining concrete and brick materials (estimated to be approximately 19,000 cy) appear to be eligible for potential re-use as backfill materials within the 40s Complex (and possibly other locations within the GE facility, subject to future proposals) based on the preliminary data assessment described above. To supplement the existing data set, and confirm its preliminary findings regarding the possible re-use of the building materials, GE proposes to perform the additional sampling and analysis activities set forth in Section II below.

## **II. Proposed Supplemental Characterization Activities**

As previously described in Section I of this letter, the building characterization activities performed by GE between July 2002 and January 2004 were conducted to evaluate whether the demolition debris would be suitable for consolidation at the Building 71 or Hill 78 OPCAs. Toward this objective, the sampling program implemented for the buildings within the 40s Complex focused on PCB and TCLP/RCRA waste characterization sampling and analyses in accordance with the Building Demolition Protocols. In light of the possible re-use of building demolition debris in the manner previously described (i.e., use as on-site backfill material), GE has determined that additional sampling and analysis activities are warranted to further characterize the materials that may be subject to re-use within the 40s Complex (or possibly, upon

proposal by GE and approval by EPA, elsewhere within the GE facility) following the completion of the building demolition activities.

GE utilized the requirements specified in the *Soil Cover and Backfill Characterization Plan* (Attachment B of the POP) to determine the need for and scope of the supplemental building characterization activities. As stated in that plan, samples of potential backfill and soil cover material are required at a frequency of one composite sample (composed of 10 discrete "grab" samples) per 2,000 cy of material for analysis of PCBs and Appendix IX+3 VOCs, SVOCs, and metals. In this case, a minimum of 10 composite samples would be necessary based on an estimated volume of 19,000 cy of building demolition materials that are eligible for potential re-use. As discussed in Section I of this proposal, GE has sufficient PCB data (i.e., samples from 77 locations, excluding the samples with PCB concentrations greater than 50 ppm) to meet these sampling requirements. However, consistent with the approach utilized for characterization of the 30s Complex buildings subject to demolition, some modification to those guidelines is appropriate considering that, unlike soil, building materials do not lend themselves to composite sampling of numerous "grab" samples. Therefore, GE proposes to collect two discrete core samples from each floor and one discrete sample from the roof for each building for analyses of VOCs, SVOCs, and metals. As a result, GE proposes to collect seven samples from Building 42 (three floors, roof), nine samples from Building 43/43-A (four floors, roof), and one sample from Building 44 (roof). Aside from the proposed roof sample, no sampling is proposed for Building 44 since the remaining building columns and lone exterior wall of this building consist of structural steel/sheet metal. A review of the data collected from the interior concrete walls of Building 44 (which are also the exterior walls of Buildings 42 and 43) indicates that PCBs were not detected in any of the samples at concentrations greater than 50 ppm. As a result, all structural steel/sheet metal generated during demolition of Building 44 will be consolidated at the Hill 78 OPCA. In addition, since the floor slab and subgrade foundation for all three buildings will remain in-place following building demolition activities, no sampling for non-PCB constituents is proposed.

In summary, GE is proposing to collect 17 supplemental building material characterization samples for analysis of Appendix IX+3 VOCs, SVOCs, and metals. The 17 sampling locations will be located in the field based on the following considerations:

- Adequate distribution within Buildings 42, 43/43-A, and 44, consisting of two samples per floor at each building and one sample of the roof at each building;
- Collection of samples from building materials considered suitable for re-use as backfill material (i.e., concrete floors, walls, and/or roofs);
- No need for collection of new samples from the materials associated with the areas to be removed and consolidated at the Building 71 OPCA (i.e., building demolition debris containing PCBs at concentrations greater than or equal to 50 ppm);
- Sample selection to include stained areas, areas that have been painted, and/or other areas potentially impacted by previous building operations; and
- Distribution to gain spatial representation of the building materials.

At each sample location, GE will collect a full-depth core sample of the material being tested. As previously indicated, all 17 samples will be submitted for analysis of Appendix IX+3 VOCs, SVOCs, and

metals. Sampling and analytical procedures will follow the protocols set forth in GE's current approved FSP/QAPP (revised June 2004).

### **III. Evaluation of Supplemental Sampling Results**

Following completion of the sampling activities proposed herein, GE will evaluate the results of the supplemental building characterization data. The evaluation of the existing and proposed supplemental building characterization data will focus on the building materials themselves and then, as necessary, consider the potential impact of the building materials (if used as backfill material) on the anticipated post-demolition conditions within the 40s Complex.

As discussed in Section I, GE has calculated an arithmetic average PCB concentration for the building demolition debris proposed for re-use as backfill material. As indicated in Table 3, the arithmetic average PCB concentration of the material proposed for re-use (5.8 ppm) is less than any of the PCB-related Performance Standards for the 40s Complex. Based on this data, the use of such material will not adversely impact the achievement of the PCB Performance Standards for the 40s Complex and no further investigation or evaluation activities are proposed for PCBs.

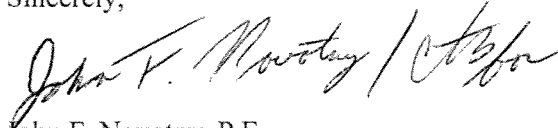
Regarding non-PCB constituents, the evaluations for the Appendix IX+3 VOCs, SVOCs, and metals data generated as a result of the building characterization activities proposed herein will generally follow the procedures described in Attachment F to the SOW (Protocols for the Evaluation of Non-PCB Constituents in Soil) and used in the December 2001 *Conceptual Removal Design/Removal Action Work Plan for the 20s, 30s, and 40s Complexes* (Conceptual Work Plan). Specifically, the evaluations will include a comparison of maximum detected concentrations to EPA Region 9 Preliminary Remediation Goals (PRGs) (PRG Screening Step). Those constituents that are retained following this PRG Screening Step will be subject to additional evaluation, focusing on the potential modifications to the results presented in the Conceptual Work Plan. If those evaluations indicate that the demolition debris is an acceptable source of backfill material, GE may propose to use such demolition material as backfill material within the 40s Complex and/or, if approved by EPA based on a future proposal, elsewhere in the GE facility.

### **IV. Schedule**

Currently, pre-demolition activities (i.e., asbestos abatement) are ongoing within Buildings 42, 43/43-A and/or 44. GE proposes to conduct the sampling described above and to submit a summary report and evaluation of the Appendix IX+3 VOC, SVOC, and metals data to EPA within 90 days of EPA's approval of this proposal and/or conclusion of all asbestos abatement activities, whichever occurs later. In the interim, following EPA approval of this proposal, GE will provide all the results of this supplemental sampling program to EPA as part of its monthly status reports on CD activities.

Please call me if you have any questions regarding this proposal.

Sincerely,



John F. Novotny, P.E.  
Manager-Facilities & Brownfields Programs

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Attachments

cc: Tim Conway, EPA  
Holly Inglis, EPA  
Rose Howell, EPA  
Dean Tagliaferro, EPA  
K.C. Mitkevicius, USACE  
Dawn Jamros, Weston  
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Jeffrey Bernstein, Bernstein, Cushner & Kimmel  
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Michael Carroll, GE\*  
Rod McLaren, GE  
Andrew Silber, GE  
James Nuss, BBL  
James Bieke, Shea & Gardner  
Samuel Gutter, Sidley Austin Brown & Wood  
Public Information Repositories  
GE Internal Repository

\* without attachments

# *Tables*

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TABLE 1  
PCB SAMPLE DATA

40s COMPLEX BUILDING MATERIAL CHARACTERIZATION SAMPLING  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Building 42						
42-1-CB-7	1/30/2004	ND(0.33)	ND(0.33)	2.5	ND(0.33)	2.5
42-1-CC-2	1/29/2004	ND(0.17)	ND(0.17)	3.1	ND(0.17)	3.1
42-1-CC-3	1/30/2004	ND(0.33) [ND(1.7)]	ND(0.33) [ND(1.7)]	3.0 [42]	ND(0.33) [ND(1.7)]	3.0 [42]
42-1-CC-4	1/30/2004	ND(3.3)	ND(3.3)	18	ND(3.3)	18
42-1-CC-5	1/30/2004	ND(1.7)	ND(1.7)	24	ND(1.7)	24
42-1-CW-1	1/29/2004	ND(0.033)	ND(0.033)	0.42	ND(0.033)	0.42
42-1-CW-6	1/30/2004	ND(83)	ND(83)	690	ND(83)	690
42-1-CW-8	1/30/2004	ND(1.7)	ND(1.7)	30	ND(1.7)	30
42-2-CF-25	7/16/2002	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
42-2-CF-26	7/8/2002	ND(0.050)	ND(0.050)	0.056	0.027 J	0.083 J
42-2-CF-27	7/8/2002	ND(0.050)	ND(0.050)	0.034 J	ND(0.050)	0.034 J
42-2-CF-28	7/8/2002	ND(0.050)	ND(0.050)	0.40	0.13	0.53
42-2-CF-29	7/8/2002	ND(0.050)	ND(0.050)	0.49	ND(0.050)	0.49
42-2-CF-30	7/8/2002	ND(0.050)	ND(0.050)	0.29	ND(0.050)	0.29
42-2-CF-31	7/8/2002	ND(0.050) [ND(0.050)]	ND(0.050) [ND(0.050)]	0.31 [0.25]	0.82 [0.53]	1.1 [0.78]
42-2-CF-32	7/8/2002	ND(0.050)	ND(0.050)	0.10	ND(0.050)	0.10
42-2-CF-33	7/8/2002	ND(0.050)	ND(0.050)	0.20	0.59	0.79
42-2-CF-34	7/8/2002	ND(0.050)	ND(0.050)	0.042 J	0.028 J	0.070 J
42-3-CF-1	7/9/2002	ND(0.25)	ND(0.25)	0.29	ND(0.25)	0.29
42-3-CF-2	7/11/2002	ND(0.050)	ND(0.050)	0.24	ND(0.050)	0.24
42-3-CF-3	7/8/2002	ND(0.050)	ND(0.050)	0.040 J	ND(0.050)	0.040 J
42-3-CF-4	7/8/2002	ND(0.25)	ND(0.25)	0.78	ND(0.25)	0.78
42-3-CF-5	7/8/2002	ND(5.0)	ND(5.0)	5.7	ND(5.0)	5.7
42-3-CF-6	7/8/2002	ND(0.25)	ND(0.25)	4.4	1.3	5.7
42-3-CF-7	7/9/2002	ND(5.0)	ND(5.0)	15	ND(5.0)	15
42-3-CF-8	7/9/2002	ND(5.0)	ND(5.0)	9.2	ND(5.0)	9.2
42-3-CF-9	7/9/2002	ND(0.50)	ND(0.50)	2.4	0.87	3.3
42-3-CF-10	7/9/2002	ND(25)	ND(25)	130	ND(25)	130
42-4-CF-1	7/9/2002	ND(0.25)	ND(0.25)	0.74	ND(0.25)	0.74
42-4-CF-2	7/9/2002	ND(0.25)	ND(0.25)	0.36	ND(0.25)	0.36
42-4-CF-3	7/9/2002	ND(0.25)	ND(0.25)	0.54	ND(0.25)	0.54
42-4-CF-4	7/9/2002	ND(5.0)	ND(5.0)	13	ND(5.0)	13
42-4-CF-5	7/9/2002	ND(2.5)	ND(2.5)	8.4	ND(2.5)	8.4
42-4-CF-6	7/9/2002	ND(1,200)	ND(1,200)	7,500	ND(1,200)	7,500
42-4-CF-7	7/9/2002	ND(250) [ND(100)]	ND(250) [ND(100)]	2,100 [2,500]	ND(250) [ND(100)]	2,100 [2,500]
42-4-CF-8	7/9/2002	ND(25)	ND(25)	1,100	ND(25)	1,100
42-4-CF-9	7/9/2002	ND(5.0)	ND(5.0)	6.8	ND(5.0)	6.8
42-4-CF-10	7/9/2002	ND(0.25)	ND(0.25)	0.44	ND(0.25)	0.44
42-5-CF-1	7/10/2002	ND(0.050)	ND(0.050)	0.016 J	ND(0.050)	0.016 J
42-5-CF-2	7/10/2002	ND(0.050)	ND(0.050)	0.023 J	ND(0.050)	0.023 J
Building 43/43-A						
43-1-CC-1	12/30/2003	ND(0.033) [ND(0.17)]	ND(0.033) [ND(0.17)]	0.65 [2.3]	ND(0.033) [ND(0.17)]	0.65 [2.3]
43-1-CC-4	12/30/2003	ND(1.7)	ND(1.7)	12	ND(1.7)	12
43-1-CW-2	12/30/2003	ND(0.33)	ND(0.33)	6.3	ND(0.33)	6.3
43-1-CW-3	12/30/2003	ND(0.17)	ND(0.17)	4.5	ND(0.17)	4.5
43-1-CW-5	12/30/2003	ND(1.7)	ND(1.7)	19	ND(1.7)	19
43-1-CW-6	12/30/2003	ND(1.7)	ND(1.7)	12	ND(1.7)	12
43-1-CW-7	12/30/2003	ND(1.7)	ND(1.7)	14	ND(1.7)	14
43-2-CF-1	7/16/2002	ND(0.050)	ND(0.050)	0.017 J	ND(0.050)	0.017 J
43-2-CF-2	7/16/2002	ND(0.050)	ND(0.050)	0.34	0.097	0.44
43-2-CF-3	7/16/2002	ND(0.50) [ND(1.0)]	ND(0.50) [ND(1.0)]	2.8 [7.7]	0.70 [2.6]	3.5 [10]
43-2-CF-4	7/16/2002	ND(0.050)	ND(0.050)	0.15	0.066	0.22
43-2-CF-5	7/16/2002	ND(0.050)	ND(0.050)	0.067	ND(0.050)	0.067
43-2-CF-6	7/16/2002	ND(0.050)	ND(0.050)	0.031 J	ND(0.050)	0.031 J
43-2-CF-7	7/16/2002	ND(0.50)	ND(0.50)	7.1	ND(0.50)	7.1
43-3-CF-1	7/12/2002	ND(0.050)	ND(0.050)	0.13	ND(0.050)	0.13
43-3-CF-2	7/12/2002	ND(0.050)	ND(0.050)	0.016 J	ND(0.050)	0.016 J
43-3-CF-3	7/15/2002	ND(1.0)	ND(1.0)	9.0	2.4	11
43-3-CF-4	7/15/2002	ND(0.50)	ND(0.50)	3.0	0.71	3.7
43-3-CF-5	7/15/2002	ND(0.050) [ND(0.050)]	ND(0.050) [ND(0.050)]	0.020 J [0.013 J]	ND(0.050) [ND(0.050)]	0.020 J [0.013 J]
43-3-CF-6	7/15/2002	ND(0.050)	ND(0.050)	0.87	ND(0.050)	0.87
43-3-CF-7	7/15/2002	ND(0.50)	ND(0.50)	4.9	ND(0.50)	4.9
43-4-CF-1	7/10/2002	ND(0.050)	ND(0.050)	0.29	ND(0.050)	0.29
43-4-CF-2	7/10/2002	ND(0.050)	ND(0.050)	0.68	ND(0.050)	0.68
43-4-CF-3	7/10/2002	ND(0.25)	ND(0.25)	2.6	ND(0.25)	2.6
43-4-CF-4	7/10/2002	ND(5.0)	ND(5.0)	140	ND(5.0)	140
43-4-CF-5	7/10/2002	ND(0.50)	ND(0.50)	0.86	ND(0.50)	0.86
43-4-CF-6	7/10/2002	ND(1.0)	ND(1.0)	44	ND(1.0)	44
43-4-CF-7	7/10/2002	ND(5.0)	ND(5.0)	180	ND(5.0)	180
43-5-CF-1	7/11/2002	ND(0.050)	ND(0.050)	0.022 J	ND(0.050)	0.022 J
43-5-CF-2	7/11/2002	ND(0.050)	ND(0.050)	0.017 J	ND(0.050)	0.017 J
43-5-CF-3	7/11/2002	ND(0.050)	ND(0.050)	0.070	ND(0.050)	0.070



TABLE 1  
PCB SAMPLE DATA  
40s COMPLEX BUILDING MATERIAL CHARACTERIZATION SAMPLING  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Building 43/43-A (continued)						
43-5-CF-4	7/11/2002	ND(0.050)	ND(0.050)	0.82	ND(0.050)	0.82
43-5-CF-5	7/11/2002	ND(1.0)	ND(1.0)	16	3.7	20
43-5-CF-6	7/11/2002	ND(0.050)	ND(0.050)	0.11	ND(0.050)	0.11
43-5-CF-7	7/11/2002	ND(0.050)	ND(0.050)	0.34	ND(0.050)	0.34
43A-1-CW-1	12/30/2003	ND(0.033)	ND(0.033)	0.47	0.10	0.57
43A-1-CW-2	12/30/2003	ND(0.033)	ND(0.033)	0.044	ND(0.033)	0.044
Building 44						
44-1-CB-1	1/29/2004	ND(0.033)	0.068	1.0	ND(0.033)	1.07
44-1-CC-2	1/29/2004	ND(1.7)	ND(1.7)	5.0	ND(1.7)	5.0
44-1-CC-3	1/29/2004	ND(1.7)	ND(1.7)	10	ND(1.7)	10
44-1-CW-4	1/29/2004	ND(1.7) [ND(0.17)]	ND(1.7) [ND(0.17)]	5.4 [2.2]	ND(1.7) [ND(0.17)]	5.4 [2.2]
44-1-CW-5	1/29/2004	ND(3.3)	ND(3.3)	42	ND(3.3)	42
44-1-CW-6	1/29/2004	ND(3.3)	ND(3.3)	20	ND(3.3)	20
44-1-CW-7	1/29/2004	ND(3.3)	ND(3.3)	18	ND(3.3)	18

**Notes:**

- Sample ID consists of Building Number-Floor Number-Material Type-Sample Number Material Designations:  
 CB - Concrete Block  
 CC - Concrete Column  
 CF - Concrete Floor  
 CW - Concrete Wall
- Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. (formerly CT&E Environmental Services, Inc.) for analysis of PCBs.
- Shaded samples indicate PCB concentrations exceeding 50 ppm. Building materials associated with those samples may be consolidated at the Building 71 OPCA.
- ND - Analyte was not detected. The number in parentheses is the associated detection limit.
- Duplicate sample results are presented in brackets.

**Data Qualifiers:**

J - Indicates an estimated value less than the practical quantitation limit (PQL).

TABLE 2  
TCLP SAMPLE DATA

40s COMPLEX BUILDING MATERIAL SAMPLING  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)

Parameter	Sample ID: Date Collected:	TCLP Regulatory Limits	42-2-CF-Composite-1 7/8/2002	42-3-CF-Composite-1 7/9/2002	42-4-CF-Composite-1 7/9/2002	42-5-CF-Composite-1 7/10/2002
<b>Volatile Organics</b>						
1,1-Dichloroethene		0.7	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
1,2-Dichloroethane		0.5	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
2-Butanone		200	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Benzene		0.5	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Carbon Tetrachloride		0.5	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Chlorobenzene		100	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Chloroform		6	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Tetrachloroethene		0.7	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Trichloroethene		0.5	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Vinyl Chloride		0.2	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
<b>Semivolatile Organics</b>						
1,4-Dichlorobenzene		7.5	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2,4,5-Trichlorophenol		400	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol		2	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene		0.13	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Cresol		200	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobenzene		0.13	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobutadiene		0.5	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Hexachloroethane		3	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Nitrobenzene		2	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Pentachlorophenol		100	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Pyridine		5	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
<b>Organochlorine Pesticides</b>						
Endrin		0.02	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0060)
Gamma-BHC (Lindane)		0.4	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)
Heptachlor		0.008	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)
Heptachlor Epoxide		0.008	ND(0.0030)	ND(0.0030)	ND(0.0030)	ND(0.0030)
Methoxychlor		10	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
Technical Chlordane		0.03	ND(0.030)	ND(0.030)	ND(0.030)	ND(0.030)
Toxaphene		0.5	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
<b>Herbicides</b>						
2,4,5-TP		1	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2,4-D		10	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
<b>Inorganics</b>						
Arsenic		5	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)
Barium		100	0.530	0.200	0.200	0.580
Cadmium		1	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)
Chromium		5	0.0110 B	0.0210 B	0.0280 B	0.110
Lead		5	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)
Mercury		0.2	ND(0.00200)	ND(0.00200)	ND(0.00200)	ND(0.00200)
Selenium		1	0.00590 B	ND(0.200)	ND(0.200)	ND(0.200)
Silver		5	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)

TABLE 2  
TCLP SAMPLE DATA  
40s COMPLEX BUILDING MATERIAL SAMPLING  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)

Parameter	Sample ID: Date Collected:	TCLP Regulatory Limits	43-1-TCLP-C1 12/30/2003	43-2-CF-Composite-1 7/16/2002	43-3-CF-Composite 7/16/2002	43-4-CF-Composite-1 7/10/2002
<b>Volatile Organics</b>						
1,1-Dichloroethene		0.7	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
1,2-Dichloroethane		0.5	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
2-Butanone		200	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Benzene		0.5	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Carbon Tetrachloride		0.5	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Chlorobenzene		100	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Chloroform		6	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Tetrachloroethene		0.7	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Trichloroethene		0.5	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Vinyl Chloride		0.2	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
<b>Semivolatile Organics</b>						
1,4-Dichlorobenzene		7.5	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2,4,5-Trichlorophenol		400	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol		2	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene		0.13	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Cresol		200	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobenzene		0.13	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobutadiene		0.5	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Hexachloroethane		3	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Nitrobenzene		2	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Pentachlorophenol		100	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Pyridine		5	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
<b>Organochlorine Pesticides</b>						
Endrin		0.02	NA	ND(0.0060)	ND(0.0060)	ND(0.0060)
Gamma-BHC (Lindane)		0.4	NA	ND(0.0030)	ND(0.0030)	ND(0.0030)
Heptachlor		0.008	NA	ND(0.0030)	ND(0.0030)	ND(0.0030)
Heptachlor Epoxide		0.008	NA	ND(0.0030)	ND(0.0030)	ND(0.0030)
Methoxychlor		10	NA	ND(0.040)	ND(0.040)	ND(0.040)
Technical Chlordane		0.03	NA	ND(0.030)	ND(0.030)	ND(0.030)
Toxaphene		0.5	NA	ND(0.050)	ND(0.050)	ND(0.050)
<b>Herbicides</b>						
2,4,5-TP		1	NA	ND(0.010)	ND(0.010)	ND(0.010)
2,4-D		10	NA	ND(0.010)	ND(0.010)	ND(0.010)
<b>Inorganics</b>						
Arsenic		5	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)
Barium		100	0.160	0.170	0.230	0.200
Cadmium		1	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)
Chromium		5	ND(0.0500)	ND(0.0500)	ND(0.0500)	0.0680
Lead		5	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)
Mercury		0.2	ND(0.00200)	ND(0.00200)	ND(0.00200)	ND(0.00200)
Selenium		1	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)
Silver		5	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)

TABLE 2  
TCLP SAMPLE DATA

40s COMPLEX BUILDING MATERIAL CHARACTERIZATION SAMPLING  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)

Parameter	Sample ID: Date Collected:	TCLP Regulatory Limits	43-5-CF-Composite-1 7/10/2002	43A-1-TCLP-C1 12/30/2003	44-1-TCLP-C1 1/29/2004
<b>Volatile Organics</b>					
1,1-Dichloroethene		0.7	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
1,2-Dichloroethane		0.5	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
2-Butanone		200	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)
Benzene		0.5	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Carbon Tetrachloride		0.5	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Chlorobenzene		100	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Chloroform		6	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Tetrachloroethene		0.7	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Trichloroethene		0.5	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Vinyl Chloride		0.2	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
<b>Semivolatile Organics</b>					
1,4-Dichlorobenzene		7.5	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
2,4,5-Trichlorophenol		400	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol		2	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene		0.13	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Cresol		200	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Hexachlorobenzene		0.13	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Hexachlorobutadiene		0.5	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Hexachloroethane		3	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Nitrobenzene		2	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Pentachlorophenol		100	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Pyridine		5	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
<b>Organochlorine Pesticides</b>					
Endrin		0.02	ND(0.0060) [ND(0.0060)]	NA	ND(1.5)
Gamma-BHC (Lindane)		0.4	ND(0.0030) [ND(0.0030)]	NA	ND(0.75)
Heptachlor		0.008	ND(0.0030) [ND(0.0030)]	NA	ND(0.75)
Heptachlor Epoxide		0.008	ND(0.0030) [ND(0.0030)]	NA	ND(0.75)
Methoxychlor		10	ND(0.040) [ND(0.040)]	NA	ND(7.5)
Technical Chlordane		0.03	ND(0.030) [ND(0.030)]	NA	ND(12)
Toxaphene		0.5	ND(0.050) [ND(0.050)]	NA	ND(12)
<b>Herbicides</b>					
2,4,5-TP		1	ND(0.010) [ND(0.010)]	NA	ND(0.010)
2,4-D		10	ND(0.010) [ND(0.010)]	NA	ND(0.010)
<b>Inorganics</b>					
Arsenic		5	ND(0.100) [ND(0.100)]	ND(0.100)	ND(0.100)
Barium		100	0.290 [0.220]	0.470	0.270
Cadmium		1	ND(0.0200) [ND(0.0200)]	ND(0.0200)	ND(0.0200)
Chromium		5	0.320 [0.290]	ND(0.0500)	0.0130 B
Lead		5	ND(0.100) [ND(0.100)]	ND(0.100)	ND(0.100)
Mercury		0.2	ND(0.00200) [ND(0.00200)]	ND(0.00200)	ND(0.00200)
Selenium		1	ND(0.200) [ND(0.200)]	ND(0.200)	0.00930 B
Silver		5	ND(0.0200) [ND(0.0200)]	ND(0.0200)	ND(0.0200)

Notes:

1. Sample ID consists of Building Number-Floor Number-Type of Material-Sample Number Material Designations:

- CB - Concrete Block
- CC - Concrete Column
- CF - Concrete Floor
- CW - Concrete Wall

2. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. (formerly CT&E Environmental Services, Inc.) for analysis of TCLP constituents.

3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

4. Duplicate sample results are presented in brackets.

Data Qualifiers:

Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).

TABLE 3  
PCB EVALUATION  
ARITHMETIC AVERAGE - EXISTING CONDITIONS  
40s COMPLEX BUILDING MATERIAL CHARACTERIZATION SAMPLING  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)

Sample ID	Date Collected	Total PCBs
<b>Building 42</b>		
42-1-CB-7	1/30/2004	2.5
42-1-CC-2	1/29/2004	3.1
42-1-CC-3	1/30/2004	22.5
42-1-CC-4	1/30/2004	18
42-1-CC-5	1/30/2004	24
42-1-CW-1	1/29/2004	0.42
42-1-CW-6	1/30/2004	690
42-1-CW-8	1/30/2004	30
42-2-CF-25	7/16/2002	0.025
42-2-CF-26	7/8/2002	0.083
42-2-CF-27	7/8/2002	0.034
42-2-CF-28	7/8/2002	0.53
42-2-CF-29	7/8/2002	0.49
42-2-CF-30	7/8/2002	0.29
42-2-CF-31	7/8/2002	0.94
42-2-CF-32	7/8/2002	0.1
42-2-CF-33	7/8/2002	0.79
42-2-CF-34	7/8/2002	0.07
42-3-CF-1	7/9/2002	0.29
42-3-CF-2	7/11/2002	0.24
42-3-CF-3	7/8/2002	0.04
42-3-CF-4	7/8/2002	0.78
42-3-CF-5	7/8/2002	5.7
42-3-CF-6	7/8/2002	5.7
42-3-CF-7	7/9/2002	15
42-3-CF-8	7/9/2002	9.2
42-3-CF-9	7/9/2002	3.3
42-3-CF-10	7/9/2002	130
42-4-CF-1	7/9/2002	0.74
42-4-CF-2	7/9/2002	0.36
42-4-CF-3	7/9/2002	0.54
42-4-CF-4	7/9/2002	13
42-4-CF-5	7/9/2002	8.4
42-4-CF-6	7/9/2002	7,500
42-4-CF-7	7/9/2002	2,300
42-4-CF-8	7/9/2002	1,100
42-4-CF-9	7/9/2002	6.8
42-4-CF-10	7/9/2002	0.44
42-5-CF-1	7/10/2002	0.016
42-5-CF-2	7/10/2002	0.023
<b>Building 43/43-A</b>		
43-1-CC-1	12/30/2003	1.475
43-1-CC-4	12/30/2003	12
43-1-CW-2	12/30/2003	6.3
43-1-CW-3	12/30/2003	4.5
43-1-CW-5	12/30/2003	19
43-1-CW-6	12/30/2003	12
43-1-CW-7	12/30/2003	14
43-2-CF-1	7/16/2002	0.017
43-2-CF-2	7/16/2002	0.44
43-2-CF-3	7/16/2002	6.75
43-2-CF-4	7/16/2002	0.22
43-2-CF-5	7/16/2002	0.067
43-2-CF-6	7/16/2002	0.031
43-2-CF-7	7/16/2002	7.1
43-3-CF-1	7/12/2002	0.13
43-3-CF-2	7/12/2002	0.016
43-3-CF-3	7/15/2002	11
43-3-CF-4	7/15/2002	3.7
43-3-CF-5	7/15/2002	0.0165
43-3-CF-6	7/15/2002	0.87
43-3-CF-7	7/15/2002	4.9
43-4-CF-1	7/10/2002	0.29
43-4-CF-2	7/10/2002	0.68
43-4-CF-3	7/10/2002	2.6
43-4-CF-4	7/10/2002	140
43-4-CF-5	7/10/2002	0.86
43-4-CF-6	7/10/2002	44
43-4-CF-7	7/10/2002	180
43-5-CF-1	7/11/2002	0.022
43-5-CF-2	7/11/2002	0.017

TABLE 3  
 PCB EVALUATION  
 ARITHMETIC AVERAGE - EXISTING CONDITIONS  
 40s COMPLEX BUILDING MATERIAL CHARACTERIZATION SAMPLING  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
 (Results are presented in dry weight parts per million, ppm)

Sample ID	Date Collected	Total PCBs
<b>Building 43/43-A (continued)</b>		
43-5-CF-3	7/11/2002	0.07
43-5-CF-4	7/11/2002	0.82
43-5-CF-5	7/11/2002	20
43-5-CF-6	7/11/2002	0.11
43-5-CF-7	7/11/2002	0.34
43A-1-CW-1	12/30/2003	0.57
43A-1-CW-2	12/30/2003	0.044
<b>Building 44</b>		
44-1-CB-1	1/29/2004	1.07
44-1-CC-2	1/29/2004	5
44-1-CC-3	1/29/2004	10
44-1-CW-4	1/29/2004	3.8
44-1-CW-5	1/29/2004	42
44-1-CW-6	1/29/2004	20
44-1-CW-7	1/29/2004	18
<b>Arithmetic Average:</b>		<b>149</b>

**Notes:**

- Sample ID consists of Building Number-Floor Number-Material Type-Sample Number Material Designations:  
 CB - Concrete Block  
 CC - Concrete Column  
 CF - Concrete Floor  
 CW - Concrete Wall
- Shaded samples indicate PCB concentrations exceeding 50 ppm. Building materials associated with those samples may be consolidated at the Building 71 OPCA.
- The result in bold indicates a sample location where PCBs were not detected. The value presented for calculating the arithmetic average is one-half the detection limit.

TABLE 4  
PCB EVALUATION  
ARITHMETIC AVERAGE - LOCATIONS EXCEEDING 50 PPM PCBs REMOVED  
40s COMPLEX BUILDING MATERIAL CHARACTERIZATION SAMPLING  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)

Sample ID	Date Collected	Total PCBs
<b>Building 42</b>		
42-1-CB-7	1/30/2004	2.5
42-1-CC-2	1/29/2004	3.1
42-1-CC-3	1/30/2004	22.5
42-1-CC-4	1/30/2004	18
42-1-CC-5	1/30/2004	24
42-1-CW-1	1/29/2004	0.42
42-1-CW-8	1/30/2004	30
42-2-CF-25	7/16/2002	0.025
42-2-CF-26	7/8/2002	0.083
42-2-CF-27	7/8/2002	0.034
42-2-CF-28	7/8/2002	0.53
42-2-CF-29	7/8/2002	0.49
42-2-CF-30	7/8/2002	0.29
42-2-CF-31	7/8/2002	0.94
42-2-CF-32	7/8/2002	0.1
42-2-CF-33	7/8/2002	0.79
42-2-CF-34	7/8/2002	0.07
42-3-CF-1	7/9/2002	0.29
42-3-CF-2	7/11/2002	0.24
42-3-CF-3	7/8/2002	0.04
42-3-CF-4	7/8/2002	0.78
42-3-CF-5	7/8/2002	5.7
42-3-CF-6	7/8/2002	5.7
42-3-CF-7	7/9/2002	15
42-3-CF-8	7/9/2002	9.2
42-3-CF-9	7/9/2002	3.3
42-4-CF-1	7/9/2002	0.74
42-4-CF-2	7/9/2002	0.36
42-4-CF-3	7/9/2002	0.54
42-4-CF-4	7/9/2002	13
42-4-CF-5	7/9/2002	8.4
42-4-CF-9	7/9/2002	6.8
42-4-CF-10	7/9/2002	0.44
42-5-CF-1	7/10/2002	0.016
42-5-CF-2	7/10/2002	0.023
<b>Building 43/43-A</b>		
43-1-CC-1	12/30/2003	1.475
43-1-CC-4	12/30/2003	12
43-1-CW-2	12/30/2003	6.3
43-1-CW-3	12/30/2003	4.5
43-1-CW-5	12/30/2003	19
43-1-CW-6	12/30/2003	12
43-1-CW-7	12/30/2003	14
43-2-CF-1	7/16/2002	0.017
43-2-CF-2	7/16/2002	0.44
43-2-CF-3	7/16/2002	6.75
43-2-CF-4	7/16/2002	0.22
43-2-CF-5	7/16/2002	0.067
43-2-CF-6	7/16/2002	0.031
43-2-CF-7	7/16/2002	7.1
43-3-CF-1	7/12/2002	0.13
43-3-CF-2	7/12/2002	0.016
43-3-CF-3	7/15/2002	11
43-3-CF-4	7/15/2002	3.7
43-3-CF-5	7/15/2002	0.0165
43-3-CF-6	7/15/2002	0.87
43-3-CF-7	7/15/2002	4.9
43-4-CF-1	7/10/2002	0.29
43-4-CF-2	7/10/2002	0.68
43-4-CF-3	7/10/2002	2.6
43-4-CF-5	7/10/2002	0.86
43-4-CF-6	7/10/2002	44
43-5-CF-1	7/11/2002	0.022
43-5-CF-2	7/11/2002	0.017
43-5-CF-3	7/11/2002	0.07
43-5-CF-4	7/11/2002	0.82
43-5-CF-5	7/11/2002	20
43-5-CF-6	7/11/2002	0.11
43-5-CF-7	7/11/2002	0.34
43A-1-CW-1	12/30/2003	0.57
43A-1-CW-2	12/30/2003	0.044

TABLE 4  
 PCB EVALUATION  
 ARITHMETIC AVERAGE - LOCATIONS EXCEEDING 50 PPM PCBs REMOVED  
 40s COMPLEX BUILDING MATERIAL CHARACTERIZATION SAMPLING  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
 (Results are presented in dry weight parts per million, ppm)

Sample ID	Date Collected	Total PCBs
<b>Building 44</b>		
44-1-CB-1	1/29/2004	1.07
44-1-CC-2	1/29/2004	5
44-1-CC-3	1/29/2004	10
44-1-CW-4	1/29/2004	3.8
44-1-CW-5	1/29/2004	42
44-1-CW-6	1/29/2004	20
44-1-CW-7	1/29/2004	18
<b>Arithmetic Average:</b>		<b>5.8</b>

Notes:

- Sample ID consists of Building Number-Floor Number-Material Type-Sample Number  
 Material Designations:  
     CB - Concrete Block  
     CC - Concrete Column  
     CF - Concrete Floor  
     CW - Concrete Wall
- The result in bold indicates a sample location where PCBs were not detected. The value presented for calculating the arithmetic average is one-half the detection limit.



**TABLE 5  
SUMMARY OF BUILDING DEMOLITION QUANTITIES**

**40s COMPLEX BUILDING MATERIAL CHARACTERIZATION SAMPLING  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Item	Estimated Total Quantity of Building Materials (cy) <sup>(1)</sup>			Total
	Building 42	Building 43/43-A	Building 44 <sup>(2)</sup>	
<b>Concrete</b>				
Columns	1,300	1,000	--	2,300
Column Capitals	400	300	--	700
Slabs (including Roofs)	6,100	4,800	600	11,500
Support Beams	1,400	1,100	--	2,500
Exterior Walls	2,500	2,100	--	4,600
Foundations	0	0	--	0
Other Concrete	300	200	--	500
<b>Subtotal - Concrete</b>	<b>12,000</b>	<b>9,500</b>	<b>600</b>	<b>22,100</b>
<b>Other Material</b>				
Glass Windows	100	100	--	200
Structural Steel	--	100	200	300
<b>Subtotal - Other Material</b>	<b>100</b>	<b>200</b>	<b>200</b>	<b>500</b>
<b>Total - Rounded</b>	<b>12,100</b>	<b>9,700</b>	<b>800</b>	<b>23,000</b>

Item	Materials to be Consolidated at Building 71 OPCA - PCBs > 50 ppm			Total
	Building 42	Building 43/43-A	Building 44 <sup>(2)</sup>	
<b>Concrete</b>				
Columns	200	100	--	300
Column Capitals	100	100	--	200
Slabs (including Roofs)	1,200	500	--	1,700
Support Beams	200	200	--	400
Exterior Walls	600	200	--	800
Foundations	0	0	--	0
Other Concrete	100	0	--	100
<b>Subtotal - Concrete</b>	<b>2,400</b>	<b>1,100</b>	<b>0</b>	<b>3,500</b>
<b>Other Material</b>				
Glass Windows	100	100	--	200
Structural Steel	--	100	--	100
<b>Subtotal - Other Material</b>	<b>100</b>	<b>200</b>	<b>0</b>	<b>300</b>
<b>Total - Rounded</b>	<b>2,500</b>	<b>1,300</b>	<b>0</b>	<b>4,000</b>

In-Situ Volume of Concrete to be Considered for Re-Use and Minimum Number of Appendix IX+3 Samples	
Concrete - Rounded (cy):	19,000
Appendix IX+3 Samples Based on In-Situ Concrete Re-Use Volume <sup>(3)</sup> :	10

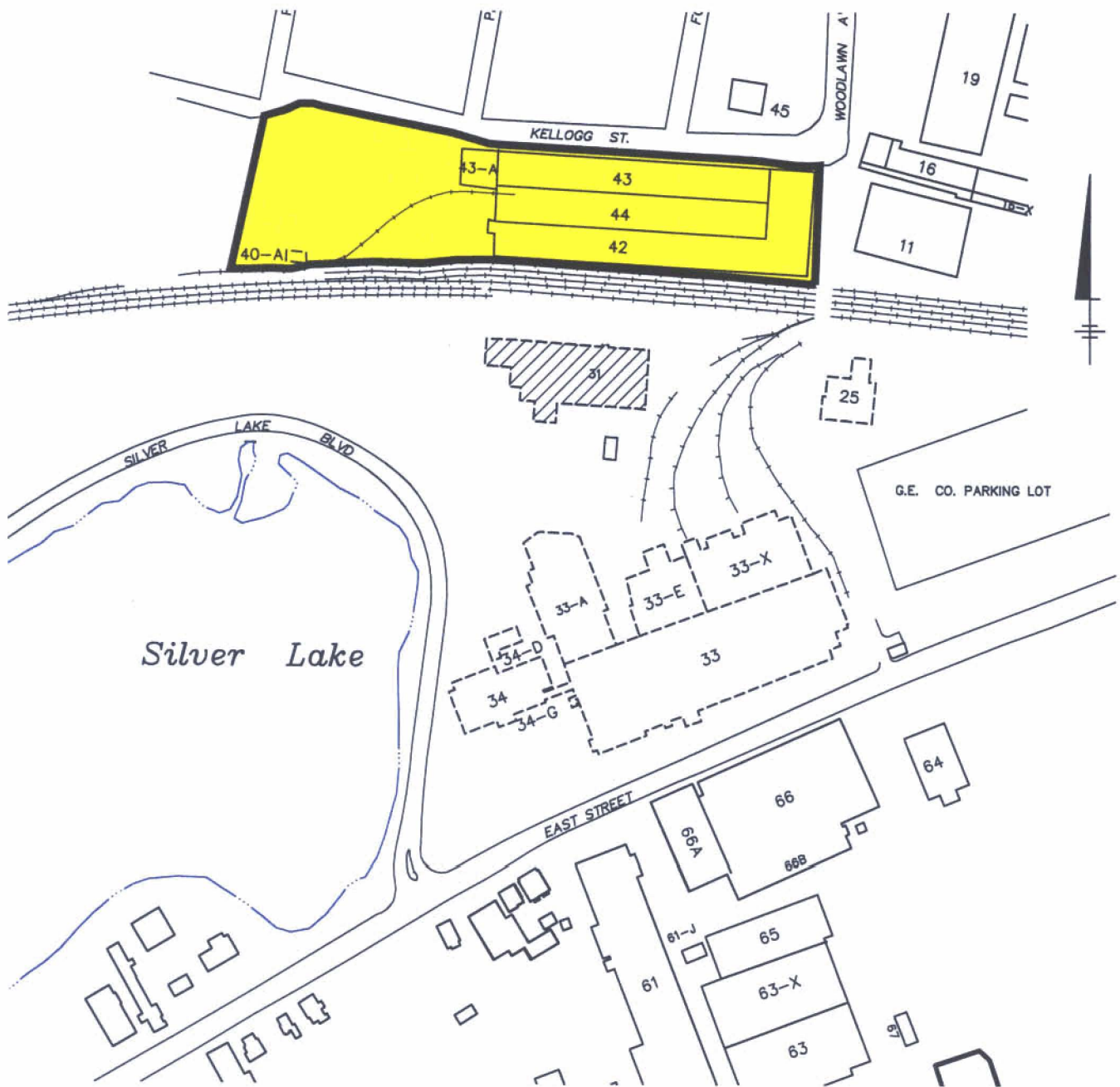
Minimum Number of Appendix IX+3 Samples to be Collected per Building <sup>(3)</sup>			
	Building 42	Building 43/43-A	Building 44
Concrete for Re-Use (cy)	9,600	8,400	600
No. of Samples (1/2,000 cy)	5	5	1

**Notes:**

1. cy = cubic yards.
2. Building 44 consists of steel columns and beams. Columns rest upon the walls of the existing utility/passage way tunnels. Exterior walls consist of Building 42 and Building 43 exterior walls that were counted with those buildings. Other exterior walls appear to be a sheet metal skin.
3. In accordance with Attachment B of the POP, specifically Section 2.2, one composite sample (consisting of 10 "grab" samples) will be collected for every 2,000 cy (or portion thereof) of material located within a stockpile and analyzed for Appendix IX+3 VOCs, SVOCs, and metals. Since concrete does not lend itself to composite sampling, discrete samples will be collected from locations identified in the field.

***Figure***

---



**NOTES:**

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. - FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY; AND BLASLAND AND BOUCK ENGINEERS, P.C. P.C. CONSTRUCTION PLANS.
2. DEMOLISHED BUILDINGS SHOWN AS DASHED.
3. NOT ALL PHYSICAL FEATURES SHOWN.
4. SITE BOUNDARIES/LIMITS ARE APPROXIMATE.



40s COMPLEX REMOVAL ACTION AREA (APPROXIMATE)

APPROXIMATE LIMITS OF BUILDING 31 VAULT AND ENGINEERED BARRIER



GRAPHIC SCALE

GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS  
BUILDING MATERIAL CHARACTERIZATION  
40s COMPLEX

**LOCATION MAP**



FIGURE  
**1**

# *Attachment A*

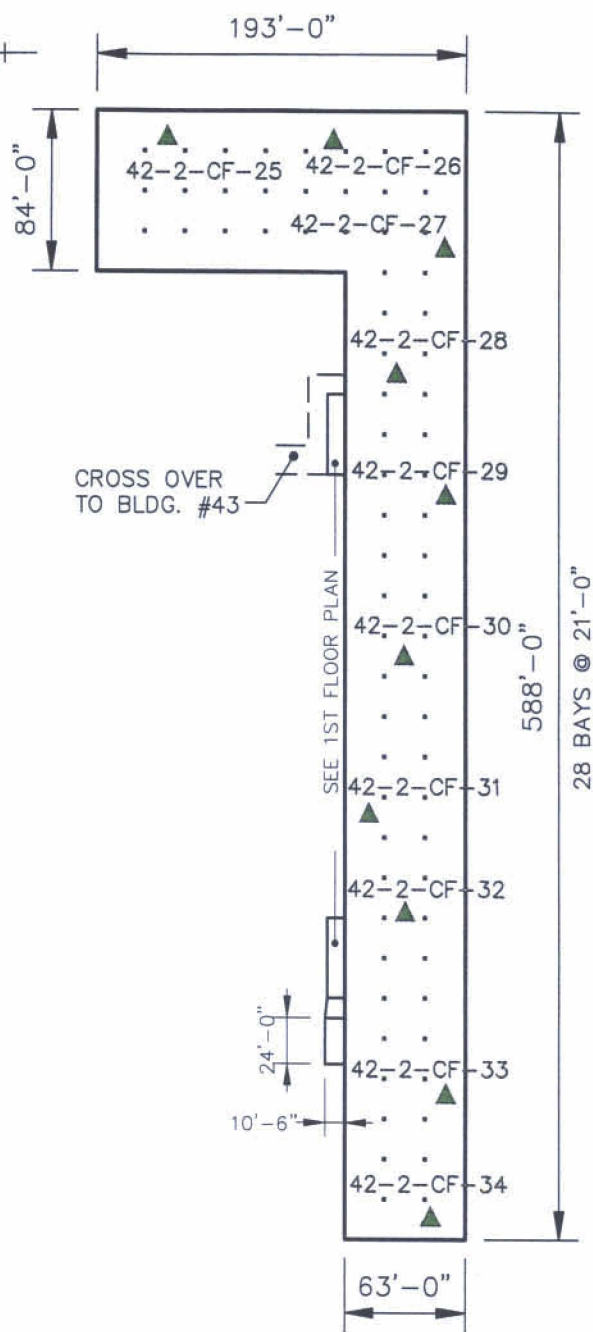
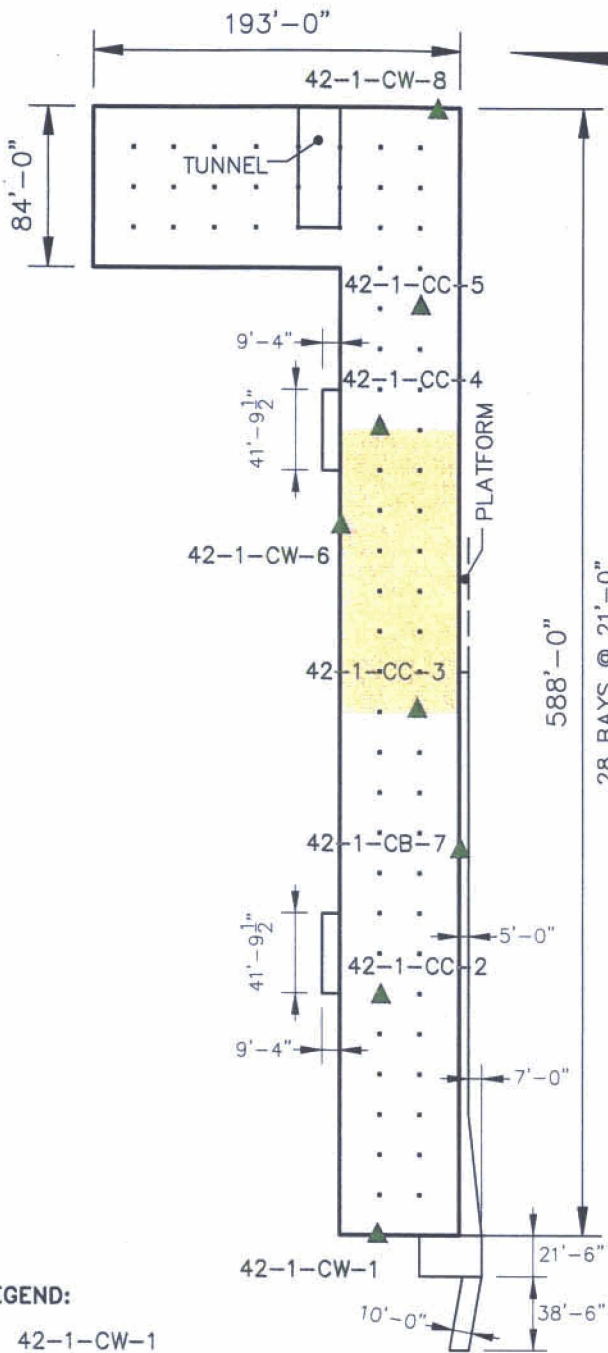
---

## *Sample Location Figures*

# *Attachment A-1*

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## *PCB Sample Locations*



**LEGEND:**

- 42-1-CW-1
- ▲ PCB SAMPLE LOCATION
- DEMOLISHED CONCRETE MATERIALS SUBJECT TO DISPOSAL AT OPCA 71

**FIRST FLOOR**

**SECOND FLOOR**

**NOTES:**

1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "1ST & 2ND FLOOR PLAN BLDG 42, DATED MAY 10, 1946, REVISED FEBRUARY 1, 1961, DRAWING NO. K-9254442, SHEET 1.
2. SAMPLE ID'S CONSIST OF BUILDING NUMBER-FLOOR NUMBER-MATERIAL TYPE-SAMPLE NUMBER. MATERIAL DESIGNATIONS ARE AS FOLLOWS:  
  
 CB - CONCRETE BLOCK  
 CC - CONCRETE COLUMN  
 CF - CONCRETE FLOOR  
 CW - CONCRETE WALL
3. LOCATIONS ARE APPROXIMATE.



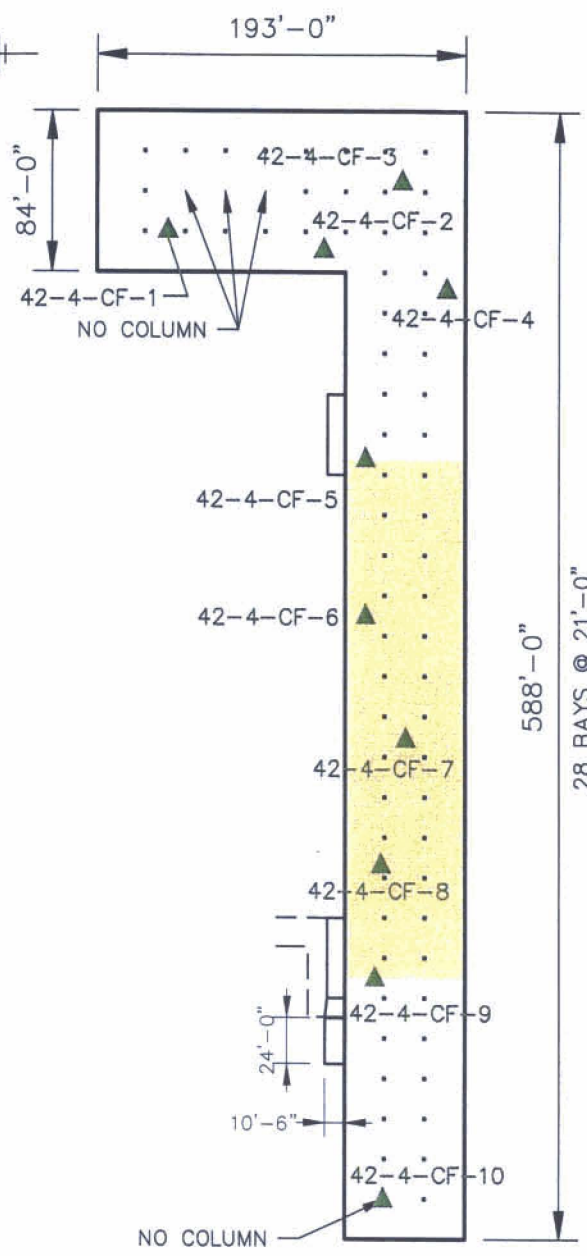
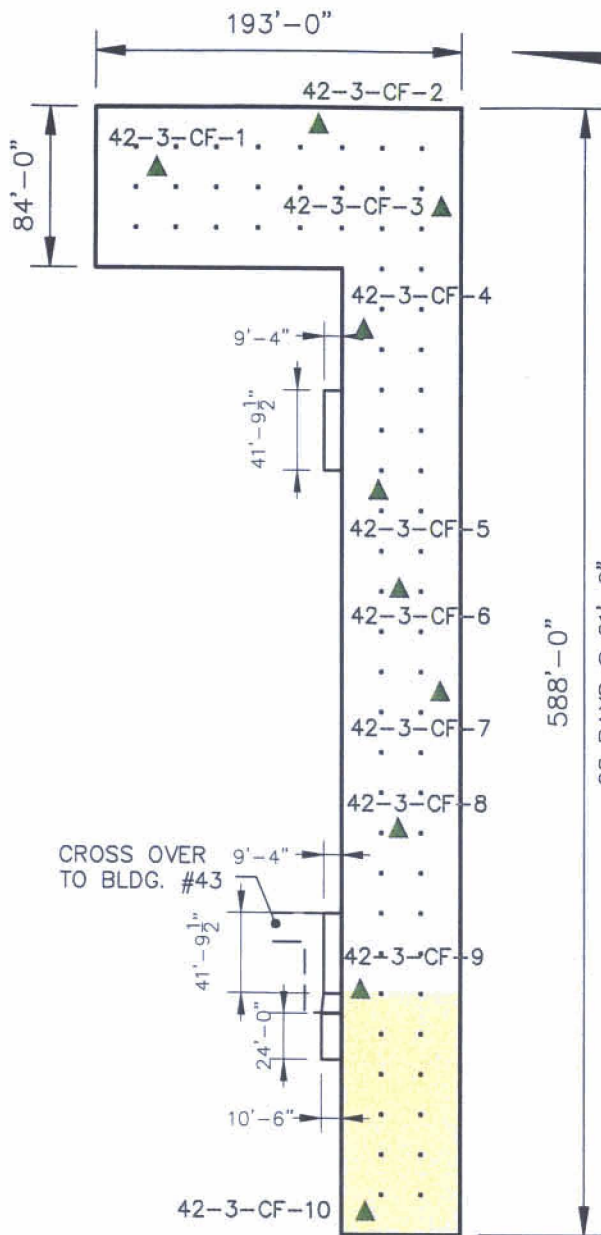
GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS  
**PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL  
CHARACTERIZATION ACTIVITIES**

**1ST & 2ND FLOOR PLANS  
BUILDING 42**



FIGURE  
**A-1-1**

20423X00\_01.DWG  
 ON=\* OFF=\*RET\*  
 PAGESET/PLT-AP1  
 04/04-SYR-85-NES DMJ  
 20423030/20423001.DWG



**LEGEND:**

42-3-CF-1

▲ PCB SAMPLE LOCATION

■ DEMOLISHED CONCRETE MATERIALS SUBJECT TO DISPOSAL AT OPCA 71

**THIRD FLOOR**

**FOURTH FLOOR**

**NOTES:**

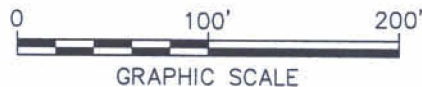
1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "3RD & 4TH FLOOR PLAN BLDG 42" DATED MAY 10, 1946, REVISED FEBRUARY 1, 1961, DRAWING NO. K-9254442, SHEET 2.

2. SAMPLE ID'S CONSIST OF BUILDING NUMBER-FLOOR NUMBER-MATERIAL TYPE-SAMPLE NUMBER. MATERIAL DESIGNATIONS ARE AS FOLLOWS:

- CB - CONCRETE BLOCK
- CC - CONCRETE COLUMN
- CF - CONCRETE FLOOR
- CW - CONCRETE WALL

3. LOCATIONS ARE APPROXIMATE.

X: 20423X00, X02.DWG  
 L: ON=\* OFF=\*REF\*  
 P: PAGESET/PLT-AP1  
 B/04/04-SYR-85-NES DMJ  
 C/20423030/20423002.DWG

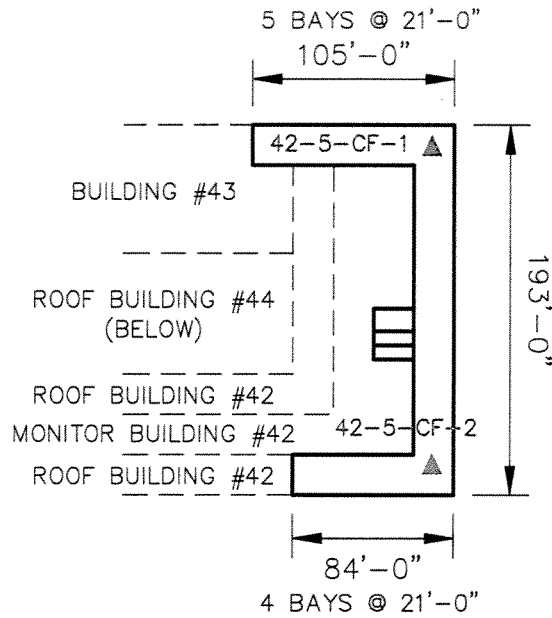


GENERAL ELECTRIC COMPANY  
 PITTSFIELD, MASSACHUSETTS  
**PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL  
 CHARACTERIZATION ACTIVITIES**

**3RD & 4TH FLOOR PLANS  
 BUILDING 42**

**BBL**<sup>®</sup>  
 BLASLAND, BOUCK & LEE, INC.  
 engineers, scientists, economists

FIGURE  
**A-1-2**



**LEGEND:**

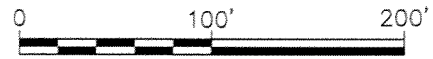
**FIFTH FLOOR**

42-5-CF-1

▲ PCB SAMPLE LOCATION

**NOTES:**

1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "5TH FLOOR PLAN BLDG 42" DATED MAY 10, 1946, REVISED FEBRUARY 1, 1961, DRAWING NO. K-9254442, SHEET 3.
2. SAMPLE ID'S CONSIST OF BUILDING NUMBER-FLOOR NUMBER-MATERIAL TYPE-SAMPLE NUMBER. MATERIAL DESIGNATIONS ARE AS FOLLOWS:  
  
CB - CONCRETE BLOCK  
CC - CONCRETE COLUMN  
CF - CONCRETE FLOOR  
CW - CONCRETE WALL
3. LOCATIONS ARE APPROXIMATE.



GRAPHIC SCALE

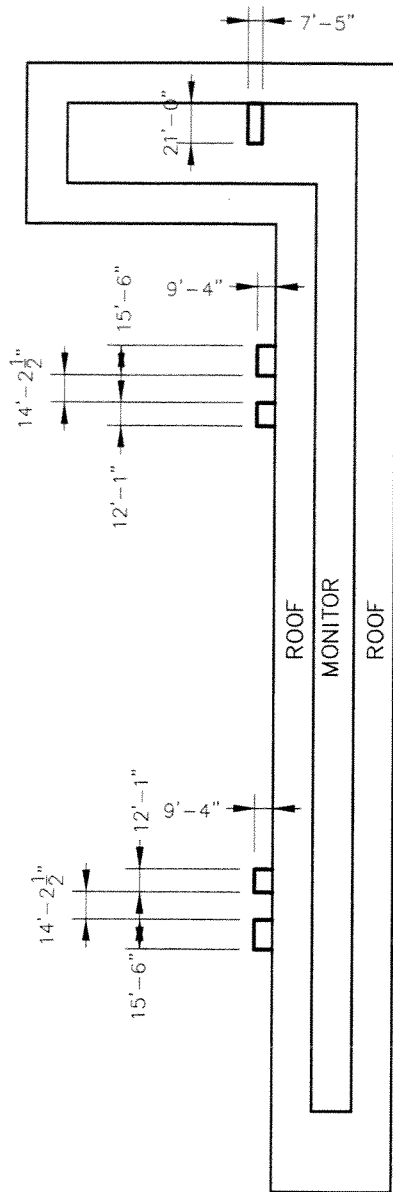
GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS  
PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL  
CHARACTERIZATION ACTIVITIES

**5TH FLOOR PLAN  
BUILDING 42**

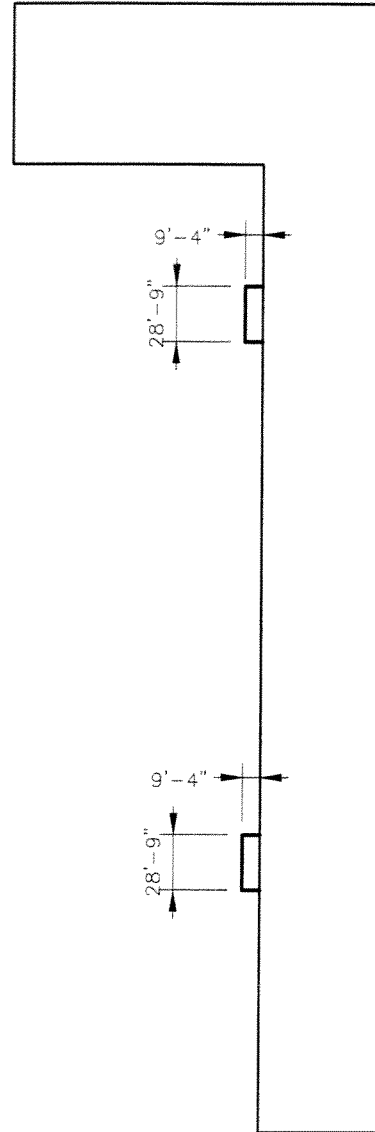
**BBL**<sup>®</sup>  
BLASLAND, BOUCK & LEE, INC.  
engineers, scientists, economists

FIGURE  
**A-1-3**





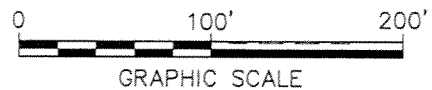
PENTHOUSE



MEZZANINE  
FIRST, SECOND, THIRD & FOURTH

NOTES:

1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "PENTHOUSES & MEZZ FLOOR PLANS BLDG 42" DATED MAY 10, 1946, REVISED FEBRUARY 1, 1961, DRAWING NO. K-9254442, SHEET 4.

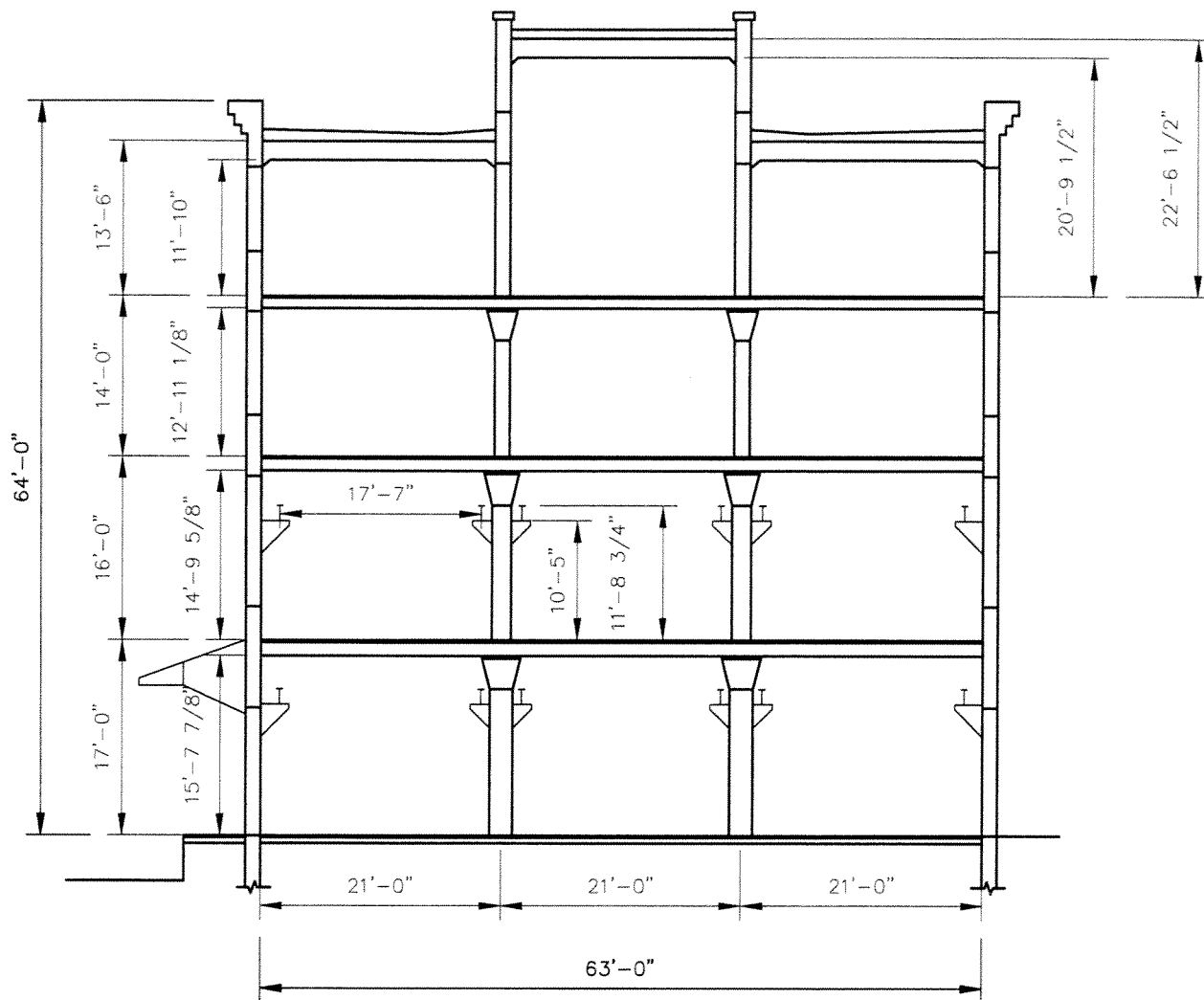


GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS  
PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL  
CHARACTERIZATION ACTIVITIES

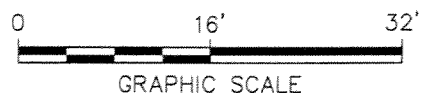
PENTHOUSE AND MEZZANINE  
BUILDING 42

**BBL**<sup>®</sup>  
BLASLAND, BOUCK & LEE, INC.  
*engineers, scientists, economists*

FIGURE  
**A-1-4**



TYPICAL CROSS SECTION  
LOOKING WEST



NOTES:

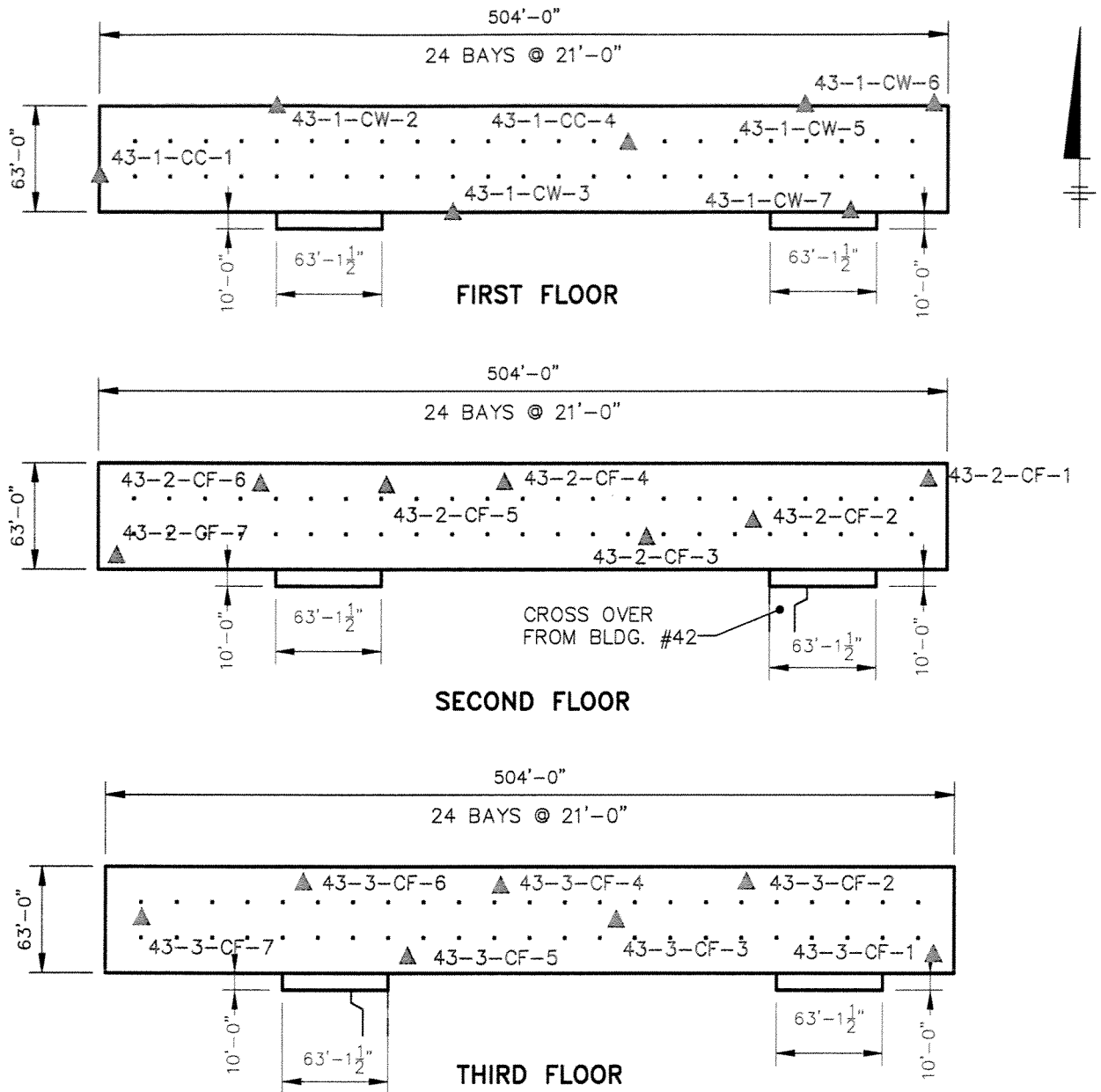
1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "CROSS SECTION BLDG 42" DATED MAY 10, 1946, REVISED FEBRUARY 1, 1961, DRAWING NO. K-9254442, SHEET 5.

GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS  
PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL  
CHARACTERIZATION ACTIVITIES

TYPICAL CROSS SECTION  
BUILDING 42

**BBL**<sup>®</sup>  
BLASLAND, BOUCK & LEE, INC.  
engineers, scientists, economists

FIGURE  
**A-1-5**



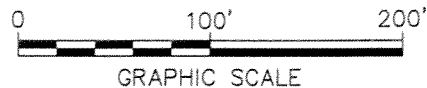
**LEGEND:**

43-3-CF-7

▲ PCB SAMPLE LOCATION

**NOTES:**

1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "1ST 2ND 3RD FLOOR PLAN BLDG 43" DATED MAY 10, 1946, REVISED FEBRUARY 1, 1961, DRAWING NO. K-9254443, SHEET 1.
2. SAMPLE ID'S CONSIST OF BUILDING NUMBER-FLOOR NUMBER-MATERIAL TYPE-SAMPLE NUMBER. MATERIAL DESIGNATIONS ARE AS FOLLOWS:
  - CB - CONCRETE BLOCK
  - CC - CONCRETE COLUMN
  - CF - CONCRETE FLOOR
  - CW - CONCRETE WALL
3. LOCATIONS ARE APPROXIMATE.

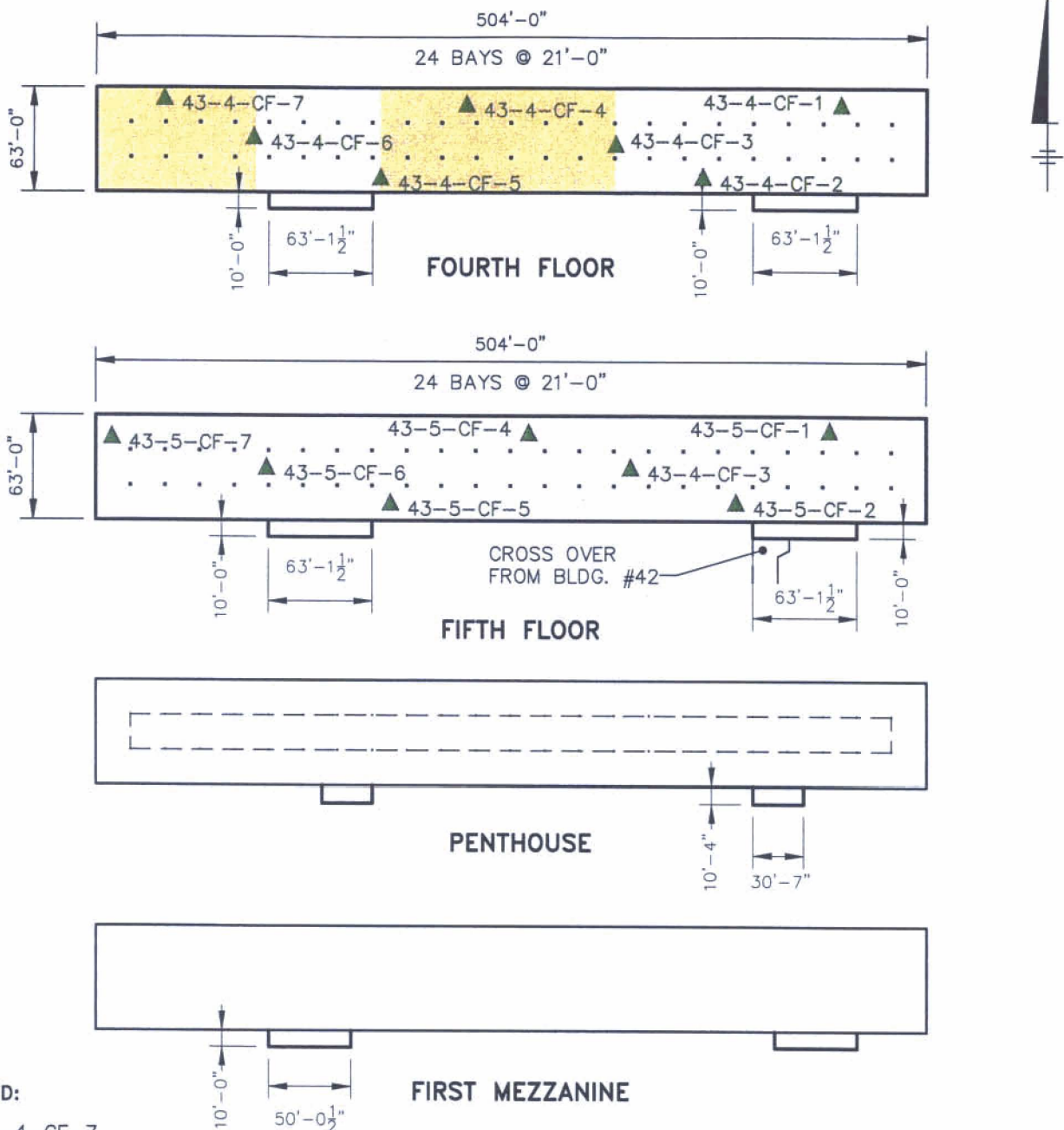


GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS  
PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL  
CHARACTERIZATION ACTIVITIES

**1ST, 2ND & 3RD FLOOR PLANS  
BUILDING 43**

**BBL**<sup>®</sup>  
BLASLAND, BOUCK & LEE, INC.  
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FIGURE  
**A-1-6**



**LEGEND:**

43-4-CF-7

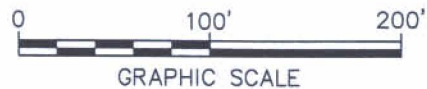
▲ PCB SAMPLE LOCATION



DEMOLISHED CONCRETE MATERIALS SUBJECT TO DISPOSAL AT OPCA 71

**NOTES:**

1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "4TH & 5TH FLOORS PENTHOUSES & MEZZANINES FLOOR PLAN BLDG 43" DATED MAY 10, 1946, REVISED FEBRUARY 1, 1961, DRAWING NO. K-9254443, SHEET 2.
2. SAMPLE ID'S CONSIST OF BUILDING NUMBER-FLOOR NUMBER-MATERIAL TYPE-SAMPLE NUMBER. MATERIAL DESIGNATIONS ARE AS FOLLOWS:  
 CB - CONCRETE BLOCK  
 CC - CONCRETE COLUMN  
 CF - CONCRETE FLOOR  
 CW - CONCRETE WALL
3. LOCATIONS ARE APPROXIMATE.

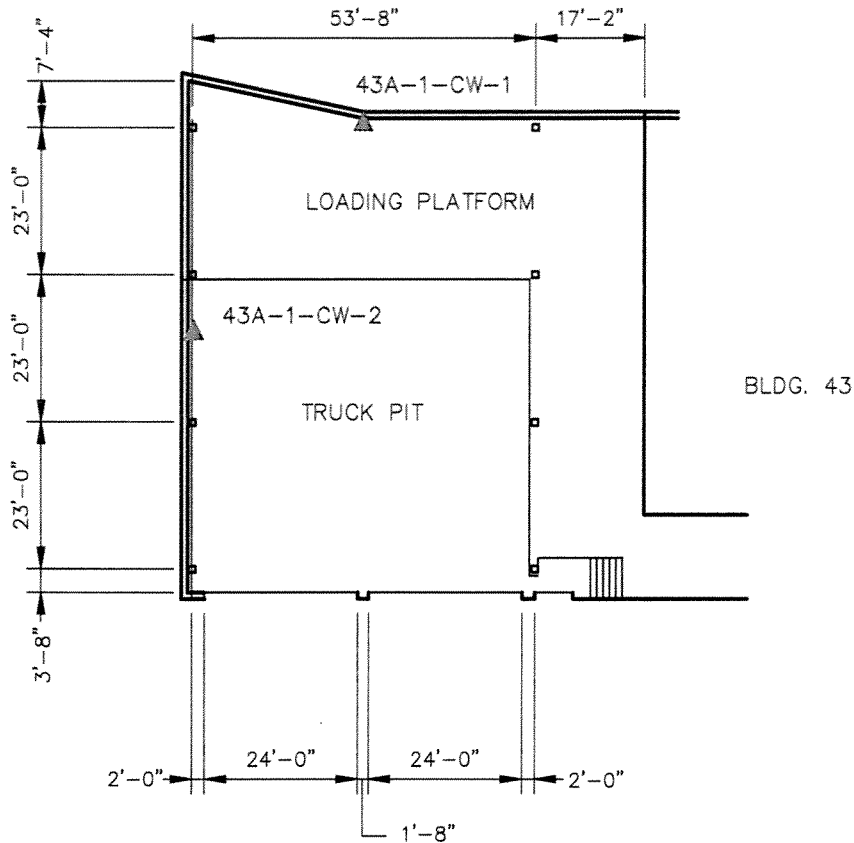


GENERAL ELECTRIC COMPANY  
 PITTSFIELD, MASSACHUSETTS  
 PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL  
 CHARACTERIZATION ACTIVITIES

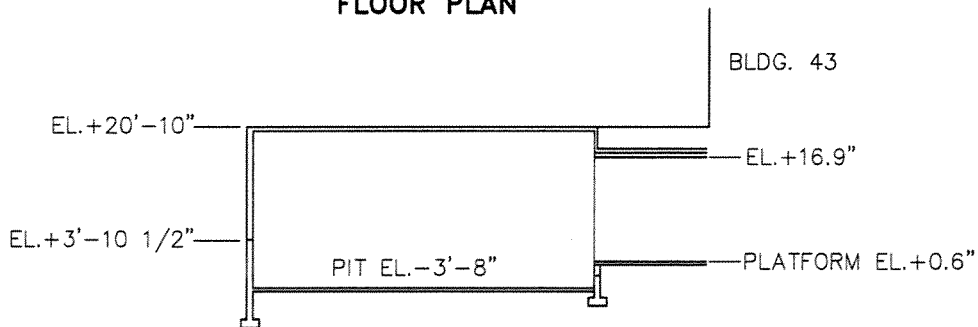
**4TH & 5TH FLOOR PLANS,  
 PENTHOUSE & MEZZANINE  
 BUILDING 43**

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 engineers, scientists, economists

FIGURE  
**A-1-7**



FLOOR PLAN



CROSS SECTION

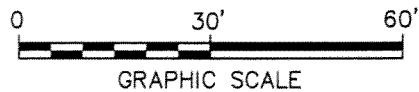
LEGEND:

43A-1-CW-1

▲ PCB SAMPLE LOCATION

NOTES:

1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY, NO TITLE, DATED FEBRUARY 1, 1961, DRAWING NO. K-9254443-A, SHEET 1.
2. SAMPLE ID'S CONSIST OF BUILDING NUMBER-FLOOR NUMBER-MATERIAL TYPE-SAMPLE NUMBER. MATERIAL DESIGNATIONS ARE AS FOLLOWS:  
 CB - CONCRETE BLOCK  
 CC - CONCRETE COLUMN  
 CF - CONCRETE FLOOR  
 CW - CONCRETE WALL
3. LOCATIONS ARE APPROXIMATE.

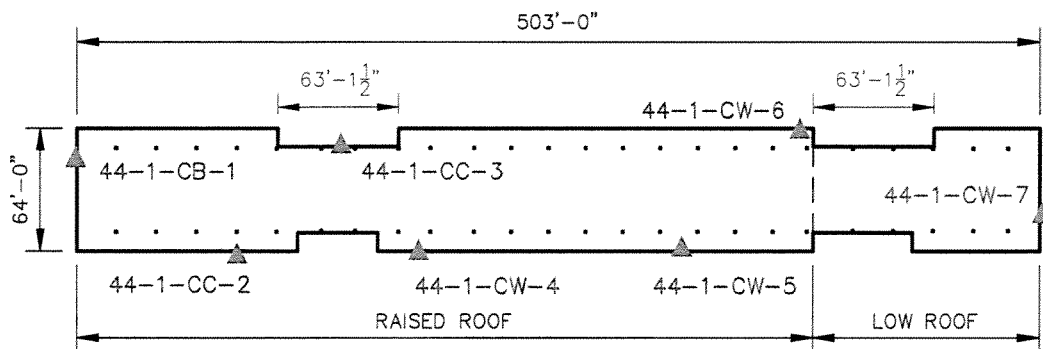


GENERAL ELECTRIC COMPANY  
 PITTSFIELD, MASSACHUSETTS  
 PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL  
 CHARACTERIZATION ACTIVITIES

FLOOR PLAN & TYPICAL CROSS  
 SECTION - BUILDING 43A

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 engineers, scientists, economists

FIGURE  
**A-1-9**



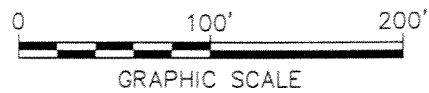
**LEGEND:**

44-1-CB-1

▲ PCB SAMPLE LOCATION

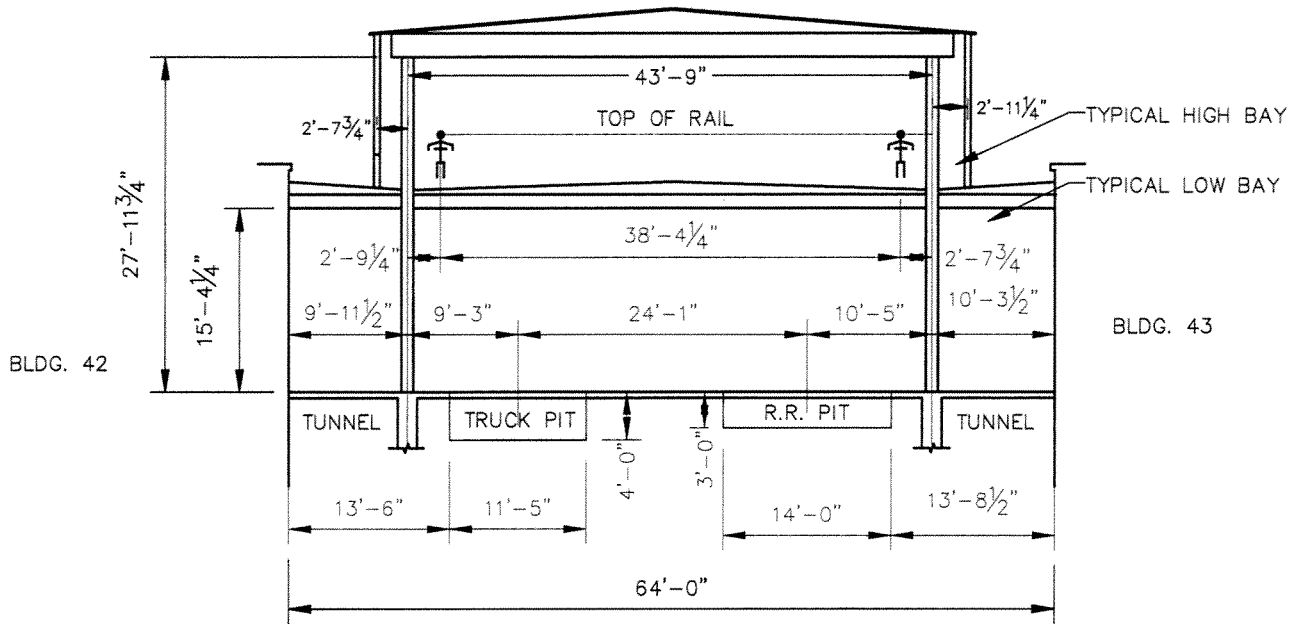
**NOTES:**

1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "FLOOR PLAN BLDG 44" DATED MAY 10, 1946, REVISED FEBRUARY 1, 1961, DRAWING NO. K-9254444, SHEET 1.
2. SAMPLE ID'S CONSIST OF BUILDING NUMBER-FLOOR NUMBER-MATERIAL TYPE-SAMPLE NUMBER. MATERIAL DESIGNATIONS ARE AS FOLLOWS:  
  
CB - CONCRETE BLOCK  
CC - CONCRETE COLUMN  
CF - CONCRETE FLOOR  
CW - CONCRETE WALL
3. LOCATIONS ARE APPROXIMATE.

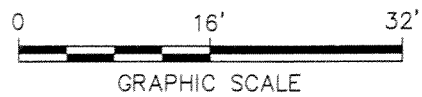


GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS <b>PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL CHARACTERIZATION ACTIVITIES</b>	
<b>FLOOR PLAN BUILDING 44</b>	
	<b>FIGURE A-1-10</b>

X: 20423X00, X07.DWG  
L: ON=\* OFF=\*REF\*  
P: PAGESET/PLT-AP1  
S/04/04-SYR-85-DMJ  
C/20423030/20423007.DWG



**CROSS SECTION  
BUILDING # 44**



**NOTES:**

1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "CROSS SECTION BLDG 44" DATED FEBRUARY 1, 1961, DRAWING NO. K-9254444, SHEET 2.

GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS  
PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL  
CHARACTERIZATION ACTIVITIES

**TYPICAL CROSS SECTION  
BUILDING 44**

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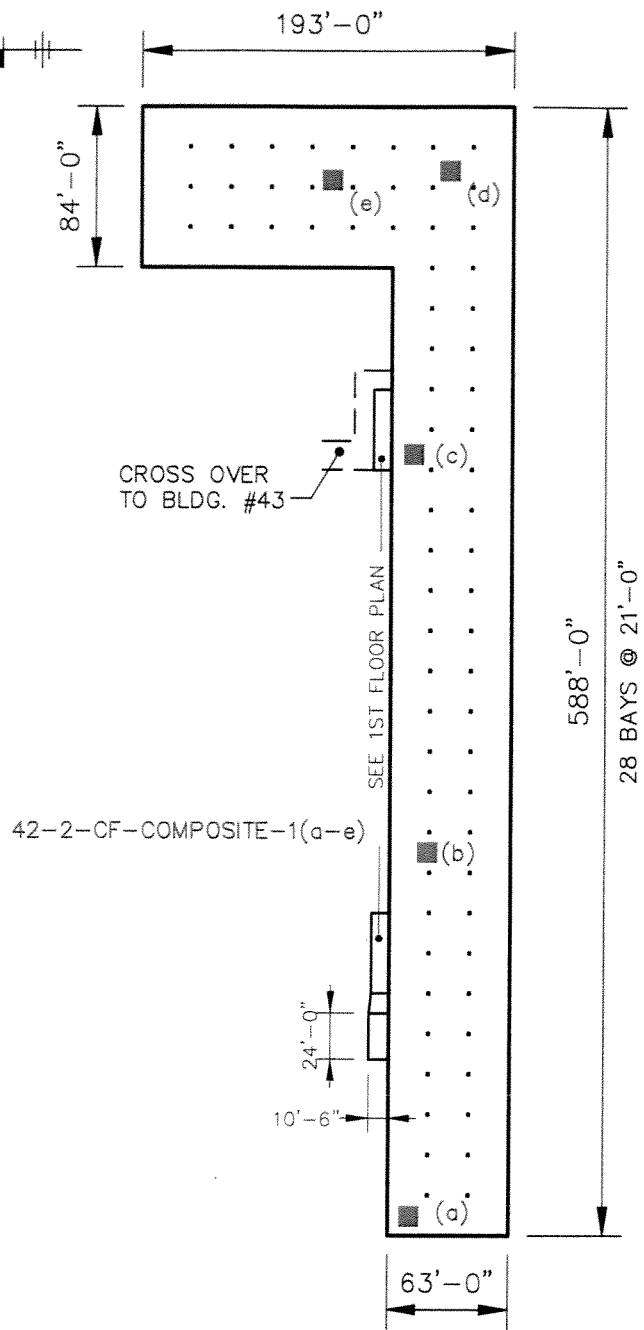
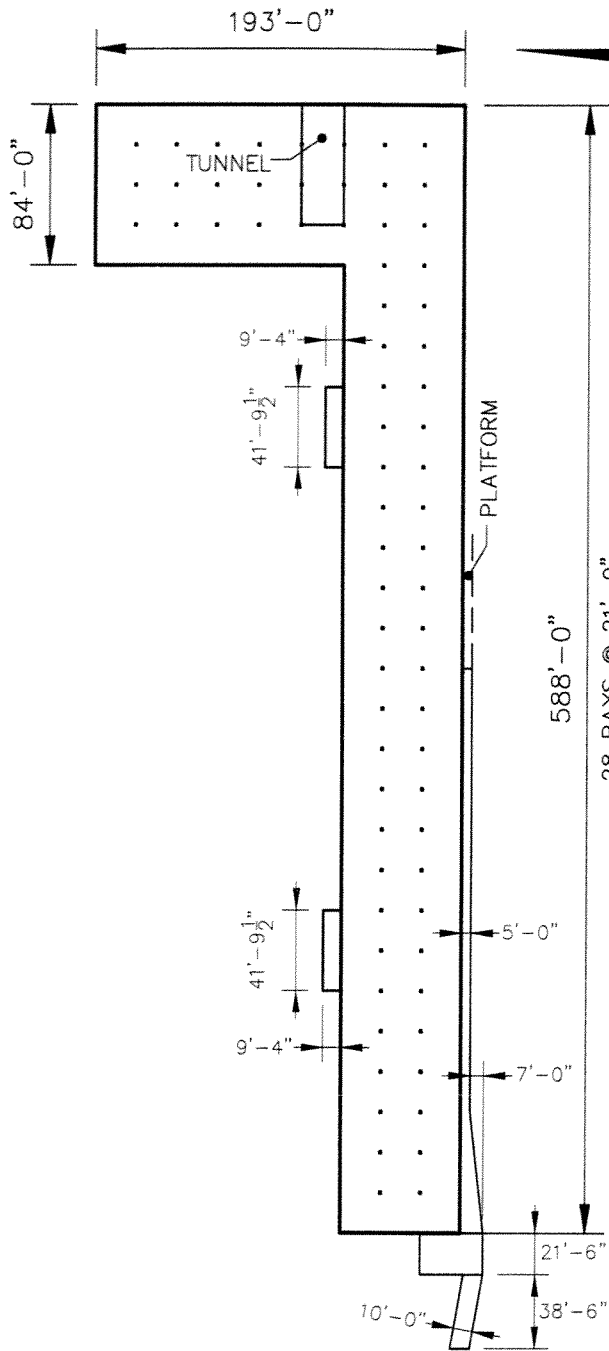
FIGURE  
**A-1-11**

*Attachment A-2*

---

*TCLP Sample Locations*





**LEGEND:**

**FIRST FLOOR**

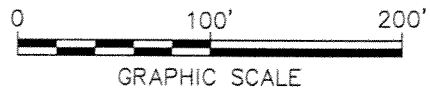
**SECOND FLOOR**

42-2-CF-COMPOSITE-1(a-e)

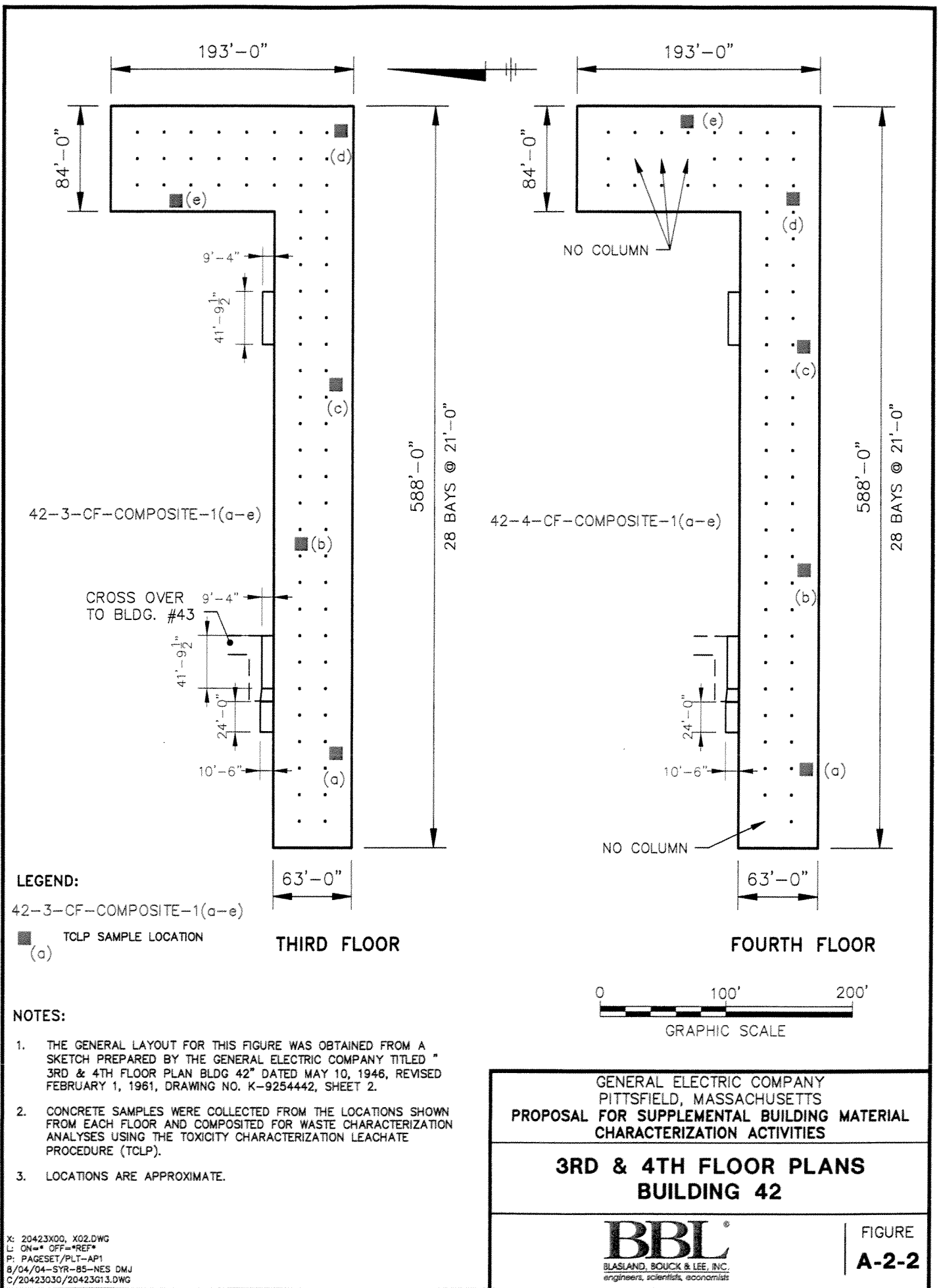
■ TCLP SAMPLE LOCATION  
(a)

**NOTES:**

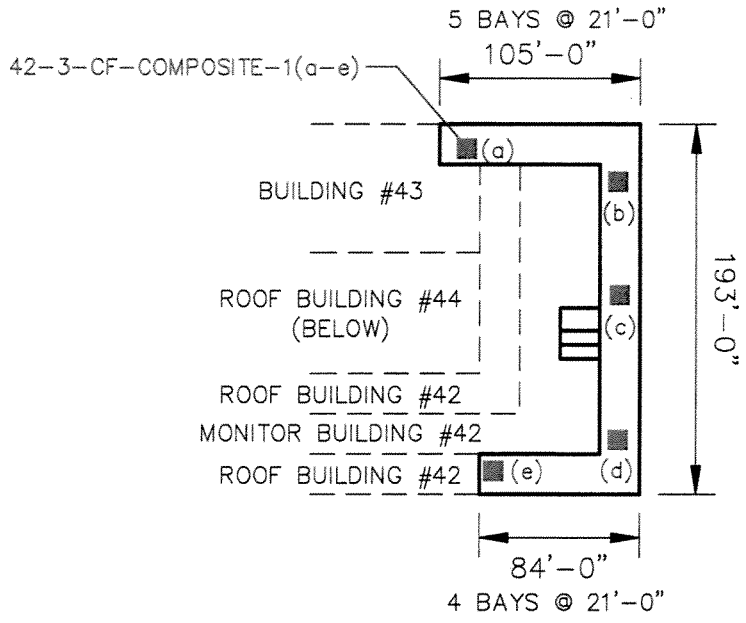
1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "1ST & 2ND FLOOR PLAN BLDG 42, DATED MAY 10, 1946, REVISED FEBRUARY 1, 1961, DRAWING NO. K-9254442, SHEET 1.
2. CONCRETE SAMPLES WERE COLLECTED FROM THE LOCATIONS SHOWN FROM EACH FLOOR AND COMPOSITED FOR WASTE CHARACTERIZATION ANALYSES USING THE TOXICITY CHARACTERIZATION LEACHATE PROCEDURE (TCLP).
3. LOCATIONS ARE APPROXIMATE.



GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL CHARACTERIZATION ACTIVITIES	
<b>1ST &amp; 2ND FLOOR PLANS BUILDING 42</b>	
<b>BBL</b> BLASLAND, BOUCK & LEE, INC. <i>engineers, scientists, economists</i>	FIGURE <b>A-2-1</b>



X: 20423X00, X02.DWG  
 L: ON=OFF=REF\*  
 P: PAGESET/PLT-AP1  
 9/04/04-SYR-B5-NES DMJ  
 C/20423030/20423G13.DWG



**LEGEND:**

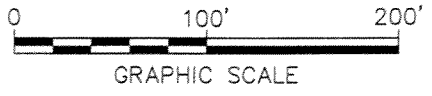
**FIFTH FLOOR**

42-5-CF-COMPOSITE-1(a-e)

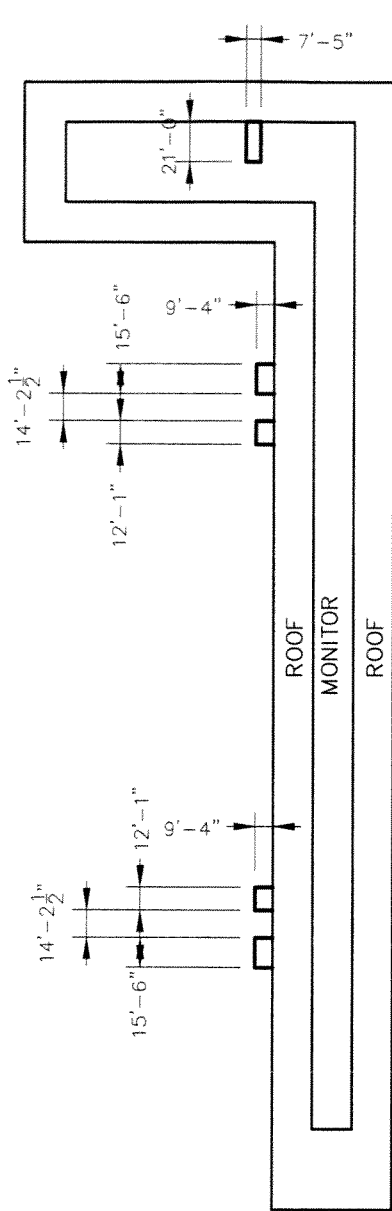
■ (a) TCLP SAMPLE LOCATION.

**NOTES:**

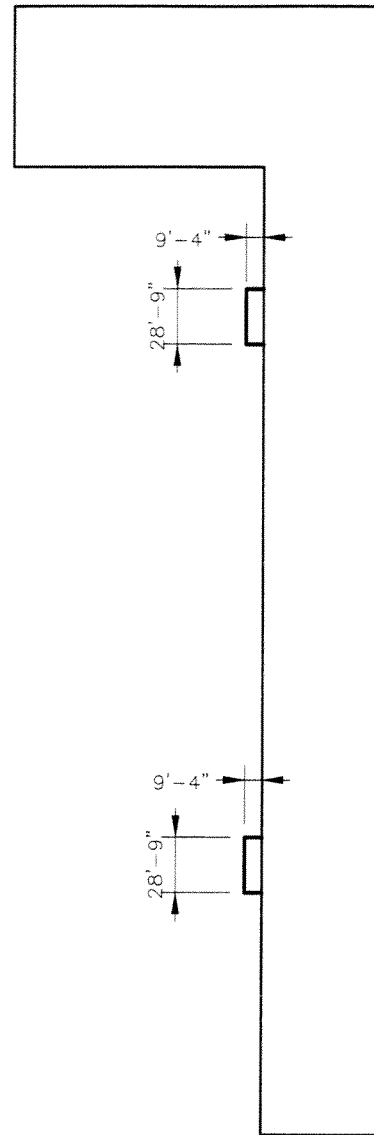
1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "5TH FLOOR PLAN BLDG 42" DATED MAY 10, 1946, REVISED FEBRUARY 1, 1961, DRAWING NO. K-9254442, SHEET 3.
2. CONCRETE SAMPLES WERE COLLECTED FROM THE LOCATIONS SHOWN FROM EACH FLOOR AND COMPOSITED FOR WASTE CHARACTERIZATION ANALYSES USING THE TOXICITY CHARACTERIZATION LEACHATE PROCEDURE (TCLP).
3. LOCATIONS ARE APPROXIMATE.



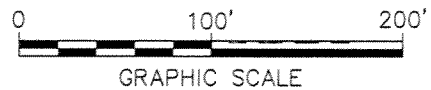
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL CHARACTERIZATION ACTIVITIES	
<b>5TH FLOOR PLAN BUILDING 42</b>	
	FIGURE <b>A-2-3</b>



PENTHOUSE



MEZZANINE  
FIRST, SECOND, THIRD & FOURTH



NOTES:

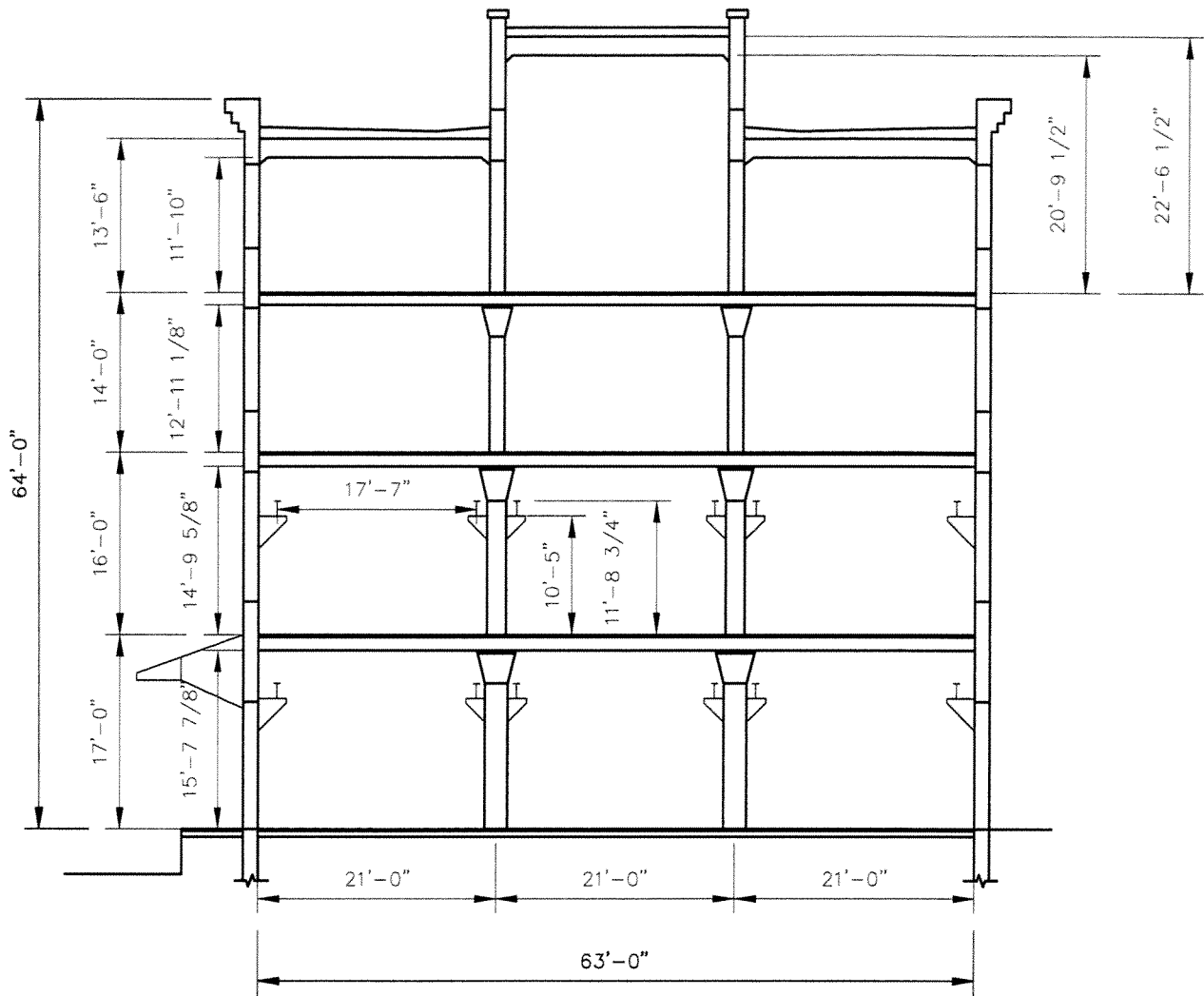
1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "PENTHOUSES & MEZZ FLOOR PLANS BLDG 42" DATED MAY 10, 1946, REVISED FEBRUARY 1, 1961, DRAWING NO. K-9254442, SHEET 4.

GENERAL ELECTRIC COMPANY  
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PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL  
CHARACTERIZATION ACTIVITIES

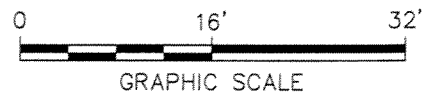
PENTHOUSE AND MEZZANINE  
BUILDING 42

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engineers, scientists, economists

FIGURE  
**A-2-4**



TYPICAL CROSS SECTION  
LOOKING WEST



NOTES:

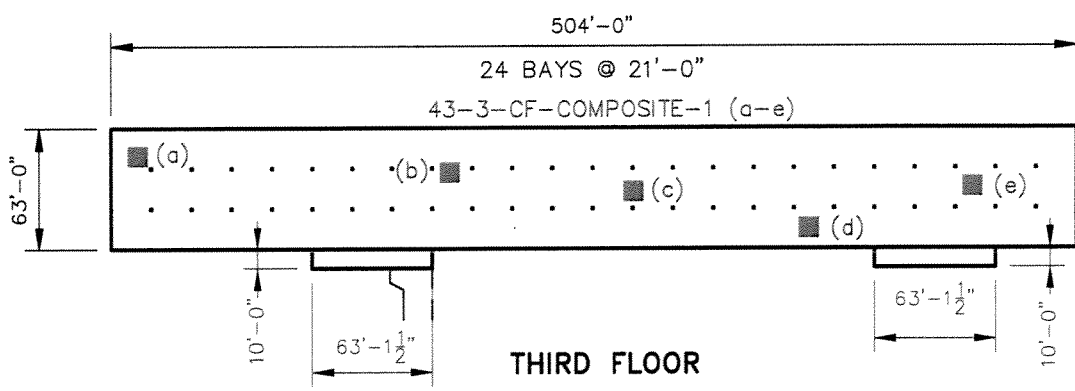
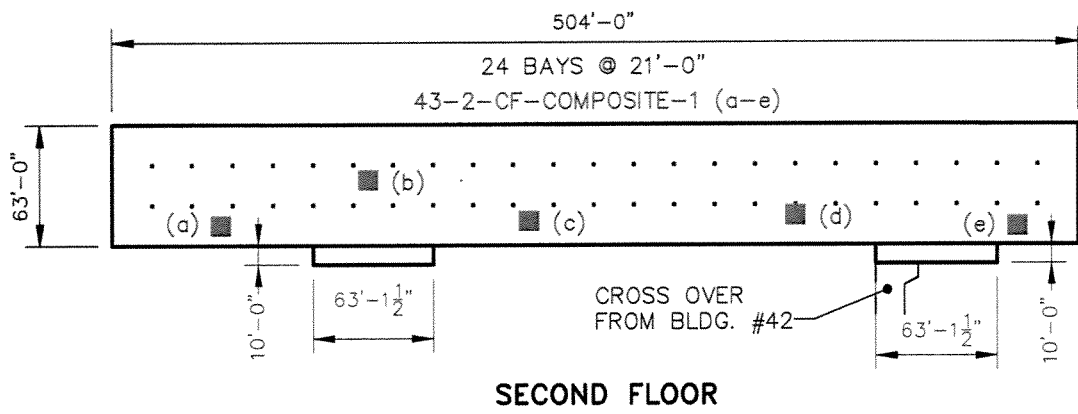
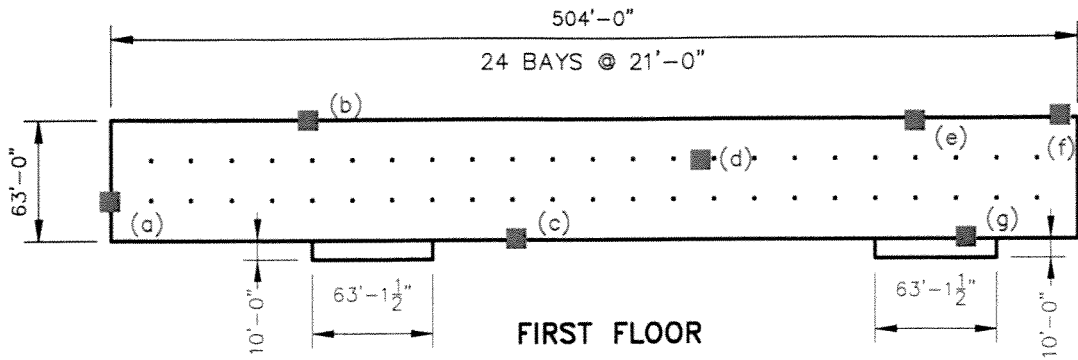
1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "CROSS SECTION BLDG 42" DATED MAY 10, 1946, REVISED FEBRUARY 1, 1961, DRAWING NO. K-9254442, SHEET 5.

GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS  
PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL  
CHARACTERIZATION ACTIVITIES

TYPICAL CROSS SECTION  
BUILDING 42

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FIGURE  
A-2-5

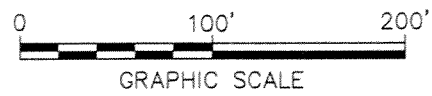


**LEGEND:**

- 43-2-CF-COMPOSITE-1 (a-e)
- (a) TCLP SAMPLE LOCATION.

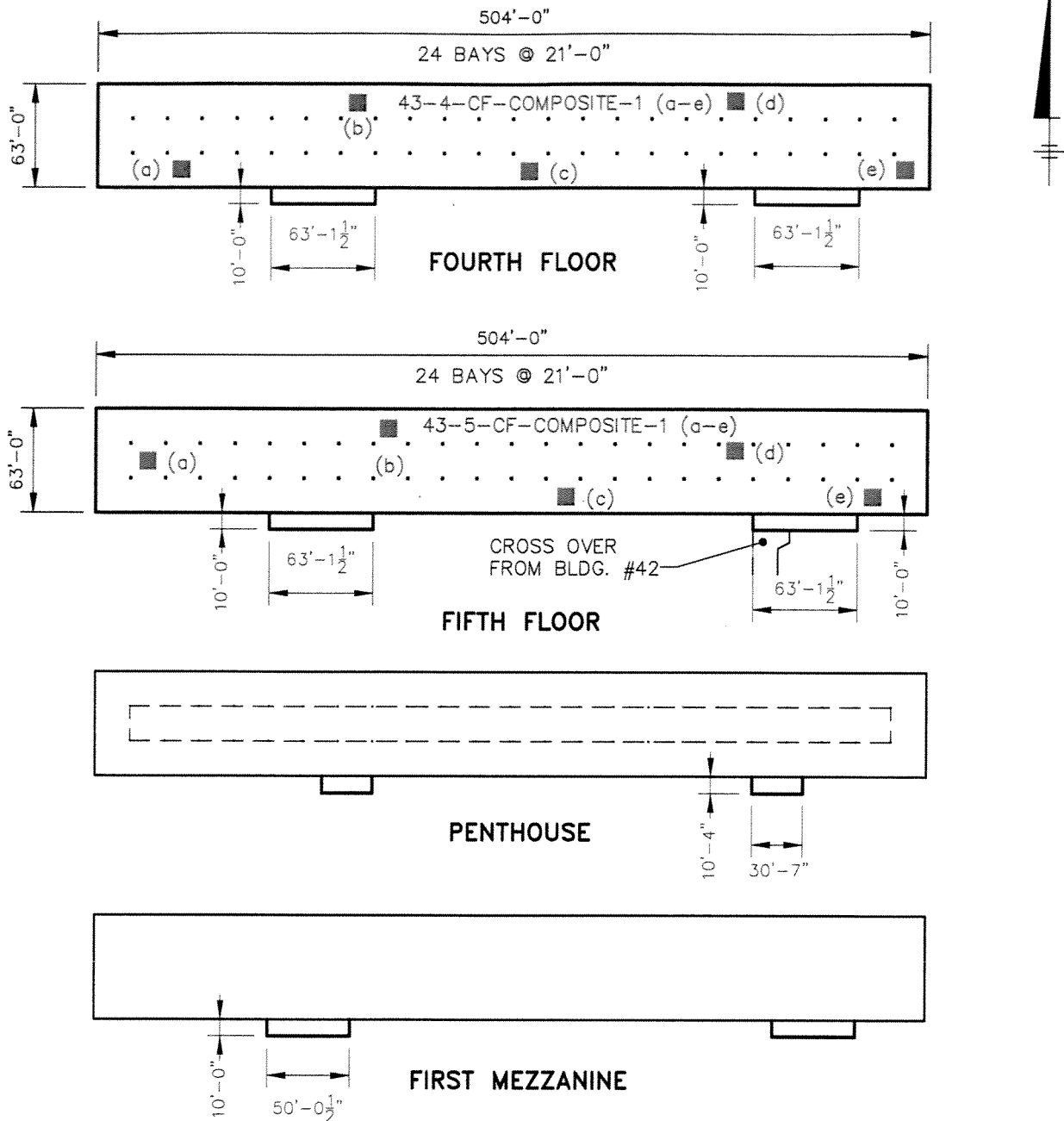
**NOTES:**

1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "1ST 2ND 3RD FLOOR PLAN BLDG 43" DATED MAY 10, 1946, REVISED FEBRUARY 1, 1961, DRAWING NO. K-9254443, SHEET 1.
2. CONCRETE SAMPLES WERE COLLECTED FROM THE LOCATIONS SHOWN FROM EACH FLOOR AND COMPOSITED FOR WASTE CHARACTERIZATION ANALYSES USING THE TOXICITY CHARACTERIZATION LEACHATE PROCEDURE (TCLP).
3. LOCATIONS ARE APPROXIMATE.



GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS <b>PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL          CHARACTERIZATION ACTIVITIES</b>	
<b>1ST, 2ND &amp; 3RD FLOOR PLANS          BUILDING 43</b>	
	<b>FIGURE          A-2-6</b>

X: 20423X00, X04.DWG  
 L: ON=\* OFF=\*REF\*  
 P: PAGESET/PLT-AP1  
 B/03/04-SYR-85- DMJ  
 C/20423030/20423G17.DWG



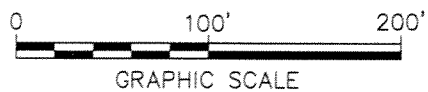
**LEGEND:**

43-4-CF-COMPOSITE-1 (a-e)

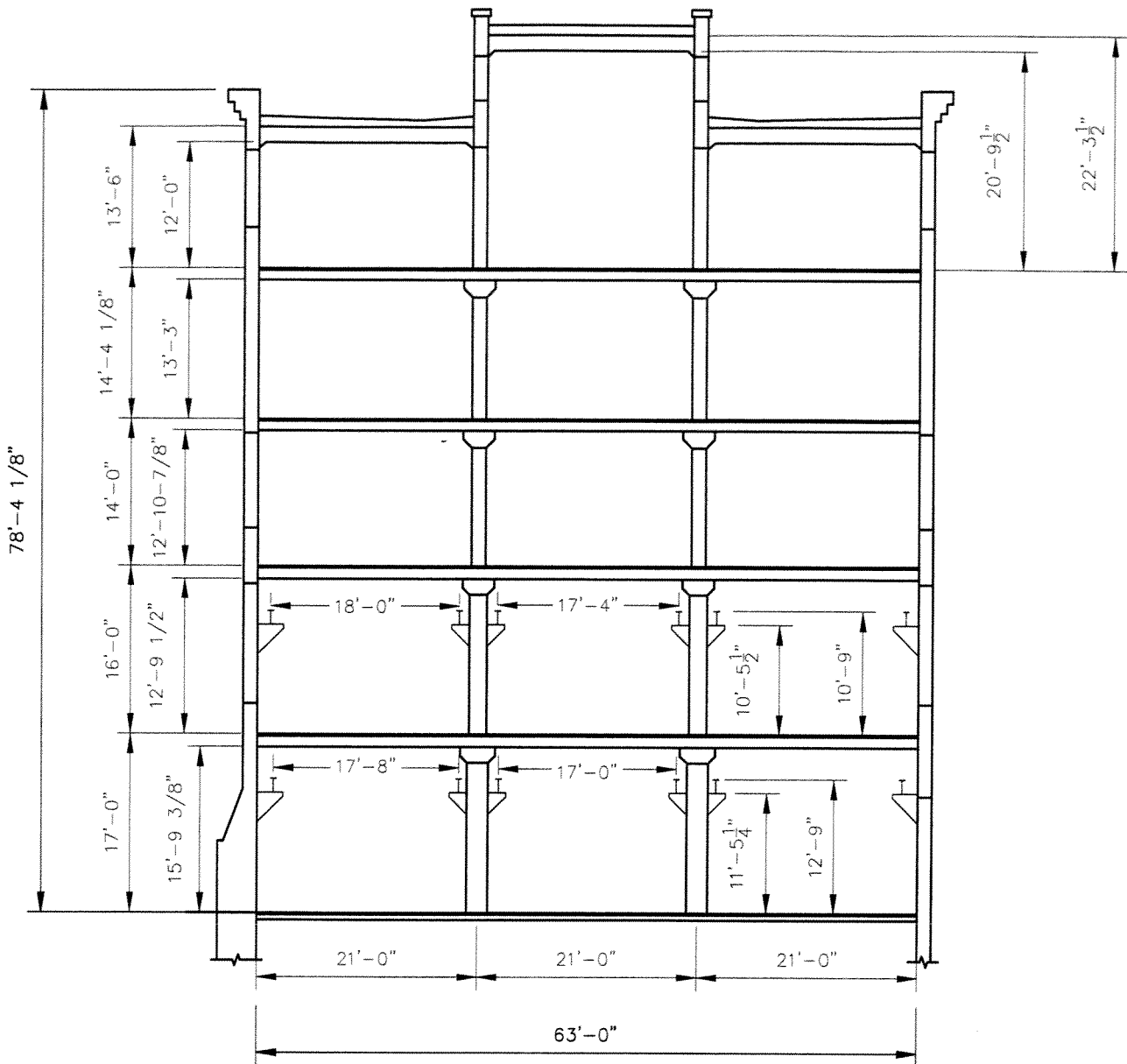
■ (a) TCLP SAMPLE LOCATION.

**NOTES:**

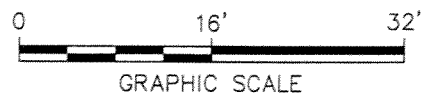
1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "4TH & 5TH FLOORS PENTHOUSES & MEZZANINES FLOOR PLAN BLDG 43" DATED MAY 10, 1946, REVISED FEBRUARY 1, 1961, DRAWING NO. K-9254443, SHEET 2.
2. CONCRETE SAMPLES WERE COLLECTED FROM THE LOCATIONS SHOWN FROM EACH FLOOR AND COMPOSITED FOR WASTE CHARACTERIZATION ANALYSES USING THE TOXICITY CHARACTERIZATION LEACHATE PROCEDURE (TCLP).
3. LOCATIONS ARE APPROXIMATE.



GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS <b>PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL          CHARACTERIZATION ACTIVITIES</b>	
<b>4TH &amp; 5TH FLOOR PLANS,          PENTHOUSE &amp; MEZZANINE          BUILDING 43</b>	
 <small>BLASLAND, BOUCK &amp; LEE, INC.          engineers, scientists, economists</small>	<b>FIGURE          A-2-7</b>



TYPICAL CROSS SECTION  
LOOKING EAST



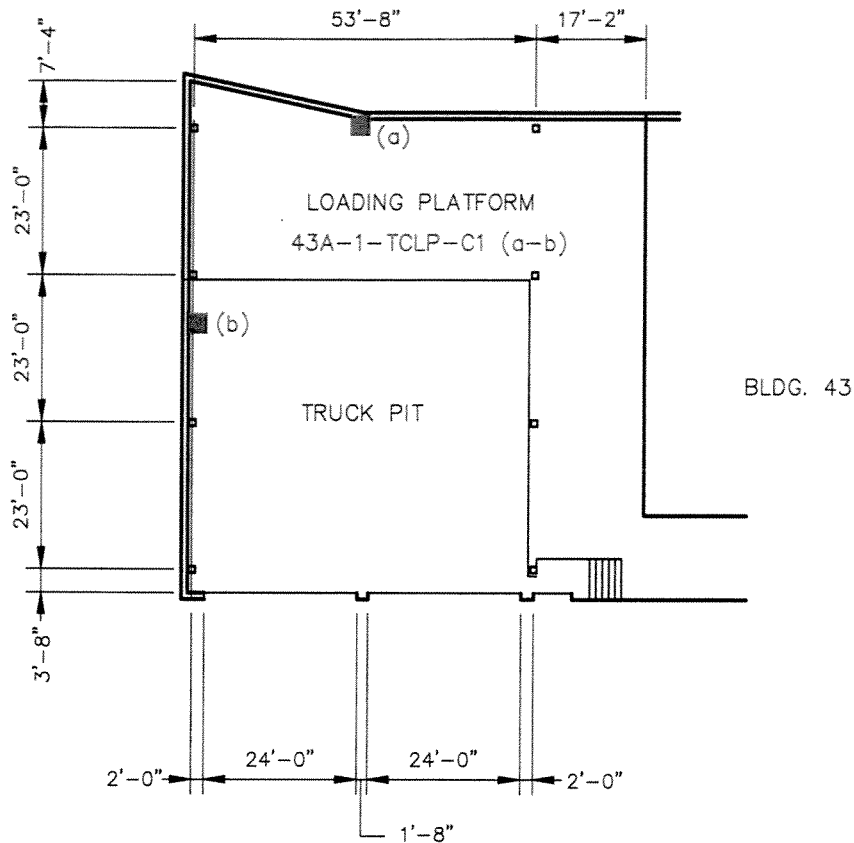
NOTES:

1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "BLDG 43" DATED MAY 10, 1946, REVISED FEBRUARY 1, 1961, DRAWING NO. K-9254443, SHEET 3.

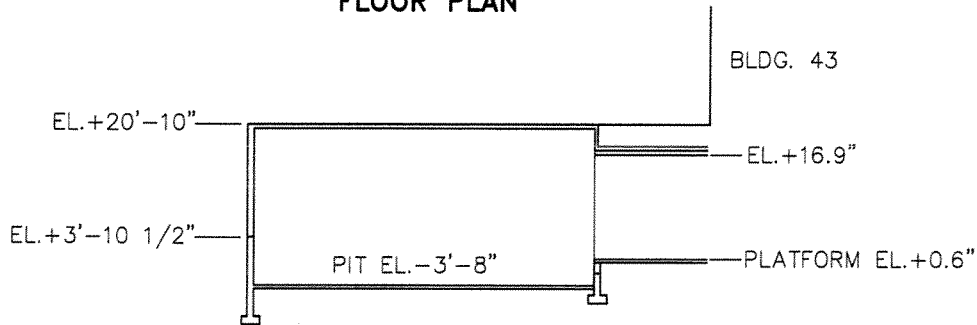
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL CHARACTERIZATION ACTIVITIES	
<b>TYPICAL CROSS SECTION BUILDING 43</b>	
<b>BBL</b> BLASLAND, BOUCK & LEE, INC. <i>engineers, scientists, economists</i>	FIGURE <b>A-2-8</b>

X: 20423X00, X10.DWG  
L: ON=\* OFF=\*REF\*  
P: PAGESET/PLT-AP1  
8/03/04-SYR-85-DMJ  
C:/20423030/20423G19.DWG





FLOOR PLAN



CROSS SECTION

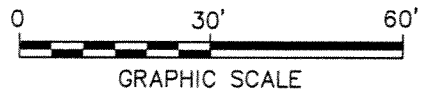
LEGEND:

43A-1-TCLP-C1 (a-b)

■ (a) TCLP SAMPLE LOCATION.

NOTES:

1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY, NO TITLE, DATED FEBRUARY 1, 1961, DRAWING NO. K-9254443-A, SHEET 1.
2. CONCRETE SAMPLES WERE COLLECTED FROM THE LOCATIONS SHOWN FROM EACH FLOOR AND COMPOSITED FOR WASTE CHARACTERIZATION ANALYSES USING THE TOXICITY CHARACTERIZATION LEACHATE PROCEDURE (TCLP).
3. LOCATIONS ARE APPROXIMATE.

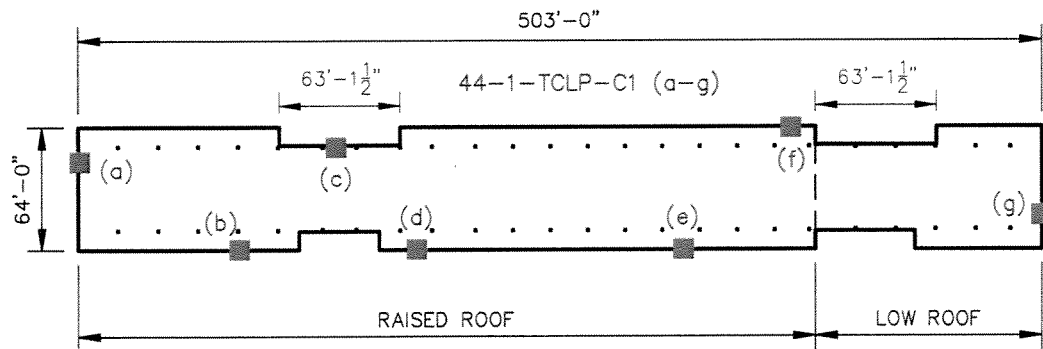


GENERAL ELECTRIC COMPANY  
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CHARACTERIZATION ACTIVITIES

FLOOR PLAN & TYPICAL CROSS  
SECTION - BUILDING 43A

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FIGURE  
A-2-9



**LEGEND:**

- 44-1-TCLP-C1 (a-g)
- TCLP SAMPLE LOCATION
- (a)

**NOTES:**

1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "FLOOR PLAN BLDG 44" DATED MAY 10, 1946, REVISED FEBRUARY 1, 1961, DRAWING NO. K-9254444, SHEET 1.
2. CONCRETE SAMPLES WERE COLLECTED FROM THE LOCATIONS SHOWN FROM EACH FLOOR AND COMPOSITED FOR WASTE CHARACTERIZATION ANALYSES USING THE TOXICITY CHARACTERIZATION LEACHATE PROCEDURE (TCLP).
3. LOCATIONS ARE APPROXIMATE.

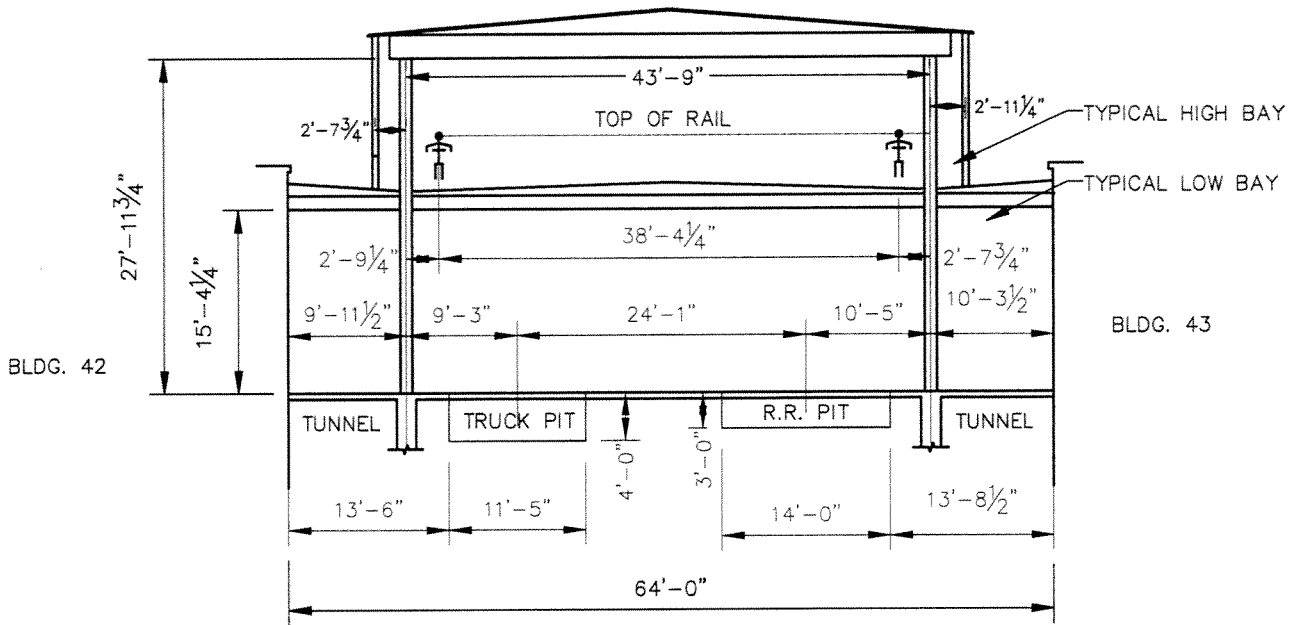


GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS  
PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL  
CHARACTERIZATION ACTIVITIES

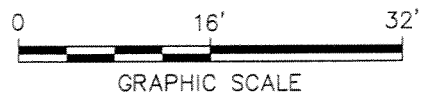
**FLOOR PLAN  
BUILDING 44**

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FIGURE  
**A-2-10**



**CROSS SECTION  
BUILDING # 44**



**NOTES:**

1. THE GENERAL LAYOUT FOR THIS FIGURE WAS OBTAINED FROM A SKETCH PREPARED BY THE GENERAL ELECTRIC COMPANY TITLED "CROSS SECTION BLDG 44" DATED FEBRUARY 1, 1961, DRAWING NO. K-9254444, SHEET 2.

GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS  
**PROPOSAL FOR SUPPLEMENTAL BUILDING MATERIAL  
CHARACTERIZATION ACTIVITIES**

**TYPICAL CROSS SECTION  
BUILDING 44**

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FIGURE  
**A-2-11**