AREVA

January 30, 2009
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Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Response to U.S. EPR Design Certification Application RAI No. 133, Supplement 1

Ref. 1: E-mail, Getachew Tesfaye (NRC) to Ronda Pederson (AREVA NP Inc.), "U.S. EPR Design Certification Application RAI No. 133 (1456), FSAR Ch. 19," November 6, 2008.

Ref. 2: E-mail, Ronda M. Pederson (AREVA NP) to Getachew Tesfaye (NRC), et al., "Response to U.S. EPR Design Certification Application RAI No. 133 (1456), FSAR Ch. 19," December 8, 2008.

In Reference 1, the NRC provided a request for additional information (RAI) regarding the U.S. EPR design certification application. Reference 2 provided technically correct and complete responses to 7 of the 17 questions. Technically correct and complete responses to three of the remaining questions are enclosed with this letter as committed.

The following table indicates the respective pages in the enclosed document, "Response to Request for Additional Information No. 133," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 133 — 19-236	2	2
RAI 133 — 19-237	3	5
RAI 133 — 19-242	6	33

The schedule for technically correct and complete responses to the remaining RAI No. 133 questions, as committed in Reference 2 is provided below, and remains unchanged.

Question #	Response Date
RAI 133 — 19-230	June 19, 2009
RAI 133 — 19-232 (c)	February 13, 2009
RAI 133 — 19-233	February 13, 2009
RAI 133 — 19-238	February 13, 2009
RAI 133 — 19-240 (2)	February 13, 2009
RAI 133 — 19-243	June 19, 2009
RAI 133 — 19-244	March 6, 2009

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AREVA NP considers some of the material contained in the enclosure to be proprietary. As required by 10 CFR 2.390(b), an affidavit is enclosed to support the withholding of the information from public disclosure. Proprietary and non-proprietary versions of the enclosure to this letter are provided.

Sincerely,

Sandra M. Sloan

Sandra M. Sloan, Manager
New Plants Regulatory Affairs
AREVA NP Inc.

Enclosures

cc: G. Tesfaye
Docket No. 52-020

AFFIDAVIT

COMMONWEALTH OF VIRGINIA)
) ss.
COUNTY OF CAMPBELL)

1. My name is Sandra Sloan. I am Regulatory Affairs Manager, New Plants, for AREVA NP Inc. and as such I am authorized to execute this Affidavit.

2. I am familiar with the criteria applied by AREVA NP to determine whether certain AREVA NP information is proprietary. I am familiar with the policies established by AREVA NP to ensure the proper application of these criteria.

3. I am familiar with the AREVA NP information contained in the **Response to U.S. EPR Design Certification Application RAI No. 133, Supplement 1** and referred to herein as "Document." Information contained in this Document has been classified by AREVA NP as proprietary in accordance with the policies established by AREVA NP for the control and protection of proprietary and confidential information.

4. This Document contains information of a proprietary and confidential nature and is of the type customarily held in confidence by AREVA NP and not made available to the public. Based on my experience, I am aware that other companies regard information of the kind contained in this Document as proprietary and confidential.

5. This Document has been made available to the U.S. Nuclear Regulatory Commission in confidence with the request that the information contained in this Document be withheld from public disclosure. The request for withholding of proprietary information is made in accordance with 10 CFR 2.390. The information for which withholding from disclosure is

requested qualifies under 10 CFR 2.390(a)(4) "Trade secrets and commercial or financial information".

6. The following criteria are customarily applied by AREVA NP to determine whether information should be classified as proprietary:

(a) The information reveals details of AREVA NP's research and development plans and programs or their results.

(b) Use of the information by a competitor would permit the competitor to significantly reduce its expenditures, in time or resources, to design, produce, or market a similar product or service.

(c) The information includes test data or analytical techniques concerning a process, methodology, or component, the application of which results in a competitive advantage for AREVA NP.

(d) The information reveals certain distinguishing aspects of a process, methodology, or component, the exclusive use of which provides a competitive advantage for AREVA NP in product optimization or marketability.

(e) The information is vital to a competitive advantage held by AREVA NP, would be helpful to competitors to AREVA NP, and would likely cause substantial harm to the competitive position of AREVA NP.

The information in the Document is considered proprietary for the reasons set forth in paragraphs 6(b) and 6(c) above.

7. In accordance with AREVA NP's policies governing the protection and control of information, proprietary information contained in this Document has been made available, on a limited basis, to others outside AREVA NP only as required and under suitable agreement providing for nondisclosure and limited use of the information.

8. AREVA NP policy requires that proprietary information be kept in a secured file or area and distributed on a need-to-know basis.

9. The foregoing statements are true and correct to the best of my knowledge, information, and belief.

Sandra M. Sloan

SUBSCRIBED before me this 30th

day of January, 2009.

Kathleen A. Bennett

Kathleen A. Bennett
NOTARY PUBLIC, COMMONWEALTH OF VIRGINIA
MY COMMISSION EXPIRES: 8/31/2011

KATHLEEN ANN BENNETT
Notary Public
Commonwealth of Virginia
118884
My Commission Expires Aug 31, 2011

Response to

Request for Additional Information No. 133. Supplement 1

11/07/2008

U. S. EPR Standard Design Certification
AREVA NP Inc.
Docket No. 52-020
SRP Section: 19 - Probabilistic Risk Assessment and Severe Accident Evaluation
Application Section: 19

QUESTIONS for PRA Licensing, Operations Support and Maintenance Branch 2
(ESBWR/ABWR Projects) (SPLB)

Question 19-236:

(Follow-up to Question 19-121b) The response to Question 19-121b discusses the effect of using the mean core damage frequency (CDF) as opposed to using point estimate CDF value for cost-benefit analysis of SAMDAs, and it indicates a potential increase in maximum benefit of a factor of 8 if the mean CDF values were used. The NRC guidance, as well as the American Society of Mechanical Engineers (ASME) PRA standard, specifically requests mean values rather than point estimates (see Regulatory Guide 1.174, Section 2.2.5.5; Regulatory Guide 1.206, Section C.I.19, Appendix A; SRP 19.0, Section III; ASME RA-Sb-2005, Supporting Requirement QUA2b). Therefore, please explain why the mean CDF was not used in the evaluation.

Response to Question 19-236:

The mean CDF value is not used as the base case for the maximum benefit because, as opposed to the point estimate values, the numerical value of the mean CDF is not unequivocally defined. A mean CDF value could vary significantly from one Monte Carlo run to another based on the number of runs performed or the selected seed of the pseudo-random number generator.

The Response to RAI 2, Question 19-05 and associated FSAR changes report a reduction of the mean CDF values presented in the U.S. EPR FSAR Tier 2, Chapter 19 due to the decoupling of the emergency diesel generator (EDG) and station blackout (SBO) diesel generators probability distributions. The factor of eight increase in maximum benefit mentioned in the Response to RAI 6, Question 19-121b, based on the original mean values, is overly conservative. The comparison analysis presented below shows the factor of increase to be 1.3.

For comparison purposes, a cost-benefit analysis for the U.S. EPR uses a mean CDF value, and also includes the replacement power costs adjusted for 2008 as requested in Question 19-237. The resulting maximum benefit is $90,550, which is approximately $20,000 greater (a 29 percent increase) than the maximum benefit calculated when using the point estimate CDF ($70,297). The analysis concludes that no additional plant modifications are cost beneficial to implement due to the robust design of the U.S. EPR with respect to prevention and mitigation of severe accidents and remains valid when using the mean CDF value.

This comparative analysis using the mean CDF value will be added to the revision of the AREVA NP Environmental Report Standard Design Certification (ANP-10290), which will incorporate 2008 replacement power costs and the revised off-site dose and economic impact values due to the core inventory error (See RAI 133 response to Question 19-245) in the maximum benefit calculation. A revision to ANP-10290 will be provided by March 30, 2009.

FSAR Impact:

The U.S. EPR FSAR will not be changed as a result of this question.

Question 19-237:

(Follow-up to Question 19-121c) The response to Question 19-121c discusses five sensitivity analyses that were performed to assess the uncertainties in the maximum benefit calculations. The calculations were performed on a segregated basis; i.e., considering individual effects one at a time. This method would not provide the true effects of combination of uncertain inputs. For example, updating the constant, representing a string of replacement power costs provided in terms of "1993 dollars" in the NUREG/BR-0184, to represent a value in "2008 dollars" is not a sensitivity analysis, and perhaps needs to be used as the basic input for the analysis.

In addition, the present value of the replacement power for a single event of $1.4E+9 (in "1993 dollars") with a discount rate of 3 percent in the NUREG/BR-0184 corresponds to an average reactor life of 24 years. This value should be adjusted for the reactor life of 60 years, which is applicable to the U.S. EPR. Therefore, please explain why a consolidated calculation using the upper bound estimates for the onsite clean up cost, the onsite plant personnel dose, and the inflation adjusted replacement power costs in combination with a 3 percent discount rate (as recommended in NUREG/BR-0058, and used in the ANP-10290) was not performed to estimate the maximum benefit. Note that the final results should consider the mean CDF as discussed in the follow–up to Question 19-121b.

Response to Question 19-237:

The purpose of the sensitivity analyses performed is to identify which parameter has the largest impact on the overall conclusion of the analysis as recommended by NEI 05-01 (Reference 1), and performing a sensitivity analysis on a single parameter at a time is an appropriate approach based on the guidance. This question suggests that the maximum variability of all the parameters need to be considered simultaneous. Considering the most conservative value of each parameter will distort the results (by compounding conservatisms) and not satisfy the intent of the sensitivity study.

Sensitivity cases were completed to determine the impact of using a 3 percent discount rate with 2008 replacement power costs on the overall conclusion. The replacement power costs for an average reactor life of 60 years with a 3 percent discount rate was calculated and used in the 3 percent discount rate sensitivity case. The maximum benefit results of the 3 percent sensitivity cases using the point estimate and mean value core damage frequency (CDF) are $218,395 and $285,732, respectively. The analysis concludes that no additional plant modifications are cost beneficial to implement due to the robust design of the U.S. EPR with respect to prevention and mitigation of severe accidents and remains valid.

As stated in the Response to Question 19-236, the AREVA NP Environmental Report Standard Design Certification (ANP-10290) will be revised to incorporate the 2008 replacement power costs, the additional sensitivity cases, and the revised off-site dose and economic impact values due to the core inventory error (See RAI 133 response to Question 19-245) in the maximum benefit calculation. A revision to ANP-10290 will be provided by March 30, 2009.

References for Question 19-237:

1. Nuclear Energy Institute NEI 05-01, Revision A, "Severe Accident Mitigation Alternatives (SAMA) Analysis Guidance Document," November 2005.

FSAR Impact:

The U.S. EPR FSAR will not be changed as a result of this question.

Question 19-242:

(Follow-up to Question 19-150) With respect to the distributed heat sink data provided in Table 19-150-1 of the response to RAI 19-150:

a. Please provide the thickness of each heat sink.

It is stated in the response that the heat sink data in Table 19-150-1 are used as the source for the MAAP input deck. Pease clarify the reasons for differences in the total surface areas of various heat structure material as calculated using the data in Table 19-150-1 and those of the MAAP input deck A.

Response to Question 19-242:

Table 19-242-1—Revised Heat Sink Data includes the thickness of each heat sink.

There are three differences between the MAAP model and the heat sink data in the Response to RAI 22, Supplement 1, Table 19-150-1—Heat Sink Data:

1. Some changes to the data given in the Response to RAI 22, Supplement 1, Question 19-150 are necessary.
2. Some heat sinks were missing from the MAAP model.
3. Some implementations of the heat sinks were purposefully altered when modeled in MAAP.

A clarification of how the liner is implemented in the MAAP model is also necessary. This response describes these three areas and the clarification.

The heat sinks listed in Table 19-150-1 are not just distributed heat sinks, but are both distributed and lumped heat sinks. Table 19-150-1 lists the material of heat sinks 203 and 350 as concrete. These heat sinks should be liner and their material type is corrected in Table 19-242-1. Eight additional heat sinks were inadvertently omitted from Table 19-150-1, which are included as Table 19-242-2—Additional Heat Sink Data. Note that all steel heat sinks in Table 19-150-1 are modeled as lumped heat sinks. The other heat sinks, including the eight new heat sinks listed in Table 19-242-2, are model as distributed heat sinks.

Heat sinks 312, 313, 316, 321, 409, 412, 414, 453, 458, 460, 461, 463 and 466 in Table 19-150-1 were inadvertently not included in the MAAP model. The impact of the missing heat sinks is minimal because the total surface area omitted is less than 1.5 percent.

The information previously given, with the noted corrections, contains the physical values as requested. However, some changes to the heat sink data were necessary when implemented in the MAAP model. These alterations are included to understand the differences between the provided information and the MAAP model. The surface areas of heat sink numbers 1, 2, 308, and 610 were modeled as [ ], respectively. Additionally, heat sinks 1, 2, 610, and 611 were modeled as liner.

The material type listed as liner indicates that there is a concrete material heat sink with a liner, as opposed to just a concrete heat sink. Therefore, a comparison of the surface area of concrete heat sinks in the MAAP model with the combined surface areas of concrete and liner heat sinks in Table 19-242-1 is appropriate. Alternately, the liner heat sinks in the MAAP model are identified with a non-zero value for parameters LINERTYP1(i) or LINERTYP2(i) for

distributed heat sink i. These surface areas can be compared to only the liner surface areas in Table 19-242-1.

The three discrepancies, together with an understanding of how the liner heat sinks were modeled, reconcile the differences between the MAAP model and the heat sink data provided in Table 19-150-1. The data in Table 19-242-1 supersedes that data previously given in Table 19-150-1. Table 19-242-2 adds additional data.

FSAR Impact:

The U.S. EPR FSAR will not be changed as a result of this question.

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
1	UJA04-002	UJA04-003	Wall	Concrete	[ ]	[ ]
2	UJA04-002	UJA04-003	Wall	Concrete	[ ]	[ ]
3	UJA04-002	UJA04-005	Wall	Concrete	[ ]	[ ]
4	UJA04-002	UJA04-006	Wall	Concrete	[ ]	[ ]
5	UJA04-002	UJA07-020	Floor	Concrete	[ ]	[ ]
6	UJA04-002	UJA07-021	Floor	Concrete	[ ]	[ ]
7	UJA04-002	UJA07-022	Floor	Concrete	[ ]	[ ]
8	UJA04-002	UJA07-023	Floor	Concrete	[ ]	[ ]
9	UJA04-002	UJA07-024	Floor	Concrete	[ ]	[ ]
10	UJA04-002	UJA07-026	Floor	Concrete	[ ]	[ ]
11	UJA04-002	UJA07-027	Floor	Concrete	[ ]	[ ]
12	UJA04-002	UJA07-028	Floor	Concrete	[ ]	[ ]
13	UJA04-002	UJA07-029	Floor	Concrete	[ ]	[ ]
14	UJA04-003	UJA04-004	Wall	Concrete	[ ]	[ ]
15	UJA04-003	UJA04-005	Wall	Concrete	[ ]	[ ]
16	UJA04-003	UJA04-006	Wall	Concrete	[ ]	[ ]
17	UJA04-003	UJA04-012	Wall	Concrete	[ ]	[ ]
18	UJA04-003	UJA07-014	Wall	Concrete	[ ]	[ ]
19	UJA04-003	UJA07-014	Wall	Concrete	[ ]	[ ]
20	UJA04-003	UJA07-016	Wall	Concrete	[ ]	[ ]
21	UJA04-003	UJA07-018	Floor	Concrete	[ ]	[ ]
22	UJA04-003	UJA07-020	Floor	Concrete	[ ]	[ ]
23	UJA04-003	UJA07-022	Floor	Concrete	[ ]	[ ]
24	UJA04-003	UJA07-023	Floor	Concrete	[ ]	[ ]
25	UJA04-003	UJA07-024	Floor	Concrete	[ ]	[ ]
26	UJA04-005	UJA07-022	Floor	Concrete	[ ]	[ ]
27	UJA04-006	UJA07-023	Floor	Concrete	[ ]	[ ]
28	UJA07-012	UJA07-013	Wall	Concrete	[ ]	[ ]
29	UJA07-012	UJA07-014	Wall	Concrete	[ ]	[ ]
30	UJA07-012	UJA07-018	Wall	Concrete	[ ]	[ ]
31	UJA07-013	UJA07-014	Wall	Concrete	[ ]	[ ]
32	UJA07-013	UJA07-015	Wall	Concrete	[ ]	[ ]
33	UJA07-013	UJA07-018	Wall	Concrete	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
34	UJA07-013	UJA11-020	Floor	Concrete	[ ]	[ ]
35	UJA07-013	UJANNULUS	Wall	Liner	[ ]	[ ]
36	UJA07-014	UJA07-016	Wall	Concrete	[ ]	[ ]
37	UJA07-014	UJA07-018	Wall	Concrete	[ ]	[ ]
38	UJA07-014	UJA11-013	Floor	Concrete	[ ]	[ ]
39	UJA07-014	UJA11-014	Floor	Concrete	[ ]	[ ]
40	UJA07-014	UJA11-025	Floor	Concrete	[ ]	[ ]
41	UJA07-014	UJA11-026	Floor	Concrete	[ ]	[ ]
42	UJA07-014	UJA11-031	Floor	Concrete	[ ]	[ ]
43	UJA07-014	UJANNULUS	Wall	Liner	[ ]	[ ]
44	UJA07-015	UJA07-016	Wall	Concrete	[ ]	[ ]
45	UJA07-015	UJA07-018	Wall	Concrete	[ ]	[ ]
46	UJA07-015	UJA11-015	Floor	Concrete	[ ]	[ ]
47	UJA07-015	UJA11-016	Floor	Concrete	[ ]	[ ]
48	UJA07-015	UJA11-027	Floor	Concrete	[ ]	[ ]
49	UJA07-015	UJA11-028	Floor	Concrete	[ ]	[ ]
50	UJA07-015	UJA11-032	Floor	Concrete	[ ]	[ ]
51	UJA07-015	UJANNULUS	Wall	Liner	[ ]	[ ]
52	UJA07-016	UJA07-021	Wall	Steel	[ ]	[ ]
53	UJA07-016	UJANNULUS	Wall	Concrete	[ ]	[ ]
54	UJA07-016	UJA07-022	Wall	Concrete	[ ]	[ ]
55	UJA07-016	UJA07-023	Wall	Concrete	[ ]	[ ]
56	UJA07-016	UJA07-026	Wall	Concrete	[ ]	[ ]
57	UJA07-016	UJA07-027	Wall	Concrete	[ ]	[ ]
58	UJA07-016	UJA07-028	Wall	Concrete	[ ]	[ ]
59	UJA07-016	UJA07-029	Wall	Concrete	[ ]	[ ]
60	UJA07-016	UJA11-010	Floor	Concrete	[ ]	[ ]
61	UJA07-016	UJA11-013	Floor	Concrete	[ ]	[ ]
62	UJA07-016	UJA11-016	Floor	Concrete	[ ]	[ ]
63	UJA07-016	UJA11-021	Floor	Concrete	[ ]	[ ]
64	UJA07-016	UJA11-024	Floor	Concrete	[ ]	[ ]
65	UJA07-017	UJA07-020	Wall	Concrete	[ ]	[ ]
66	UJA07-017	UJA07-026	Wall	Concrete	[ ]	[ ]
67	UJA07-017	UJA07-028	Wall	Concrete	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
68	UJA07-017	UJA07-029	Wall	Concrete	[ ]	[ ]
69	UJA07-017	UJA11-009	Wall	Concrete	[ ]	[ ]
70	UJA07-017	UJA11-009	Wall	Concrete	[ ]	[ ]
71	UJA07-017	UJA11-022	Wall	Concrete	[ ]	[ ]
72	UJA07-017	UJA11-023	Wall	Concrete	[ ]	[ ]
73	UJA07-017	UJA11-024	Wall	Concrete	[ ]	[ ]
74	UJA07-018	UJA07-019	Wall	Concrete	[ ]	[ ]
75	UJA07-018	UJA11-018	Floor	Concrete	[ ]	[ ]
76	UJA07-018	UJA11-019	Floor	Concrete	[ ]	[ ]
77	UJA07-019	UJA11-001	Wall	Concrete	[ ]	[ ]
78	UJA07-019	UJA11-018	Floor	Concrete	[ ]	[ ]
79	UJA07-020	UJA07-023	Wall	Concrete	[ ]	[ ]
80	UJA07-020	UJA07-024	Wall	Concrete	[ ]	[ ]
81	UJA07-020	UJA07-026	Wall	Concrete	[ ]	[ ]
82	UJA07-020	UJA11-001	Wall	Concrete	[ ]	[ ]
83	UJA07-020	UJA11-009	Floor	Concrete	[ ]	[ ]
84	UJA07-021	UJA07-022	Wall	Concrete	[ ]	[ ]
85	UJA07-021	UJA07-024	Wall	Concrete	[ ]	[ ]
86	UJA07-021	UJA07-027	Wall	Concrete	[ ]	[ ]
87	UJA07-021	UJA11-021	Floor	Concrete	[ ]	[ ]
88	UJA07-022	UJA07-024	Wall	Concrete	[ ]	[ ]
89	UJA07-022	UJA11-002	Floor	Concrete	[ ]	[ ]
90	UJA07-022	UJA11-010	Floor	Concrete	[ ]	[ ]
91	UJA07-023	UJA07-026	Wall	Concrete	[ ]	[ ]
92	UJA07-023	UJA11-009	Floor	Concrete	[ ]	[ ]
93	UJA07-023	UJA11-016	Floor	Concrete	[ ]	[ ]
94	UJA07-023	UJA11-024	Floor	Concrete	[ ]	[ ]
95	UJA07-024	UJA07-027	Wall	Concrete	[ ]	[ ]
96	UJA07-024	UJA11-001	Wall	Concrete	[ ]	[ ]
97	UJA07-024	UJA11-002	Floor	Concrete	[ ]	[ ]
98	UJA07-024	UJA11-022	Floor	Concrete	[ ]	[ ]
99	UJA07-026	UJA07-029	Wall	Concrete	[ ]	[ ]
100	UJA07-026	UJA11-009	Floor	Concrete	[ ]	[ ]
101	UJA07-026	UJA11-016	Floor	Concrete	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
102	UJA07-026	UJA11-024	Floor	Concrete	[ ]	[ ]
103	UJA07-027	UJA07-028	Wall	Concrete	[ ]	[ ]
104	UJA07-027	UJA11-022	Floor	Concrete	[ ]	[ ]
105	UJA07-027	UJA11-023	Floor	Concrete	[ ]	[ ]
106	UJA07-028	UJA07-029	Wall	Concrete	[ ]	[ ]
107	UJA07-028	UJA11-022	Floor	Concrete	[ ]	[ ]
108	UJA07-028	UJA11-023	Floor	Concrete	[ ]	[ ]
109	UJA07-029	UJA11-023	Floor	Concrete	[ ]	[ ]
110	UJA07-029	UJA11-024	Floor	Concrete	[ ]	[ ]
111	UJA11-001	UJA11-002	Wall	Concrete	[ ]	[ ]
112	UJA11-001	UJA11-002	Wall	Concrete	[ ]	[ ]
113	UJA11-001	UJA11-003	Wall	Concrete	[ ]	[ ]
114	UJA11-001	UJA11-003	Wall	Concrete	[ ]	[ ]
115	UJA11-001	UJA11-004	Wall	Concrete	[ ]	[ ]
116	UJA11-001	UJA11-004	Wall	Concrete	[ ]	[ ]
117	UJA11-001	UJA11-005	Wall	Concrete	[ ]	[ ]
118	UJA11-001	UJA11-005	Wall	Concrete	[ ]	[ ]
119	UJA11-001	UJA11-006	Wall	Concrete	[ ]	[ ]
120	UJA11-001	UJA11-006	Wall	Concrete	[ ]	[ ]
121	UJA11-001	UJA11-007	Wall	Concrete	[ ]	[ ]
122	UJA11-001	UJA11-007	Wall	Concrete	[ ]	[ ]
123	UJA11-001	UJA11-008	Wall	Concrete	[ ]	[ ]
124	UJA11-001	UJA11-008	Wall	Concrete	[ ]	[ ]
125	UJA11-001	UJA11-009	Wall	Concrete	[ ]	[ ]
126	UJA11-001	UJA11-009	Wall	Concrete	[ ]	[ ]
127	UJA11-001	UJA11-018	Wall	Concrete	[ ]	[ ]
128	UJA11-001	UJA11-018	Wall	Concrete	[ ]	[ ]
129	UJA11-001	UJA15-001	Floor	Concrete	[ ]	[ ]
130	UJA11-002	UJA11-009	Wall	Concrete	[ ]	[ ]
131	UJA11-002	UJA11-010	Wall	Concrete	[ ]	[ ]
132	UJA11-002	UJA11-013	Wall	Concrete	[ ]	[ ]
133	UJA11-002	UJA11-021	Wall	Concrete	[ ]	[ ]
134	UJA11-002	UJA11-022	Wall	Concrete	[ ]	[ ]
135	UJA11-002	UJA11-022	Wall	Concrete	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
136	UJA11-002	UJA15-017	Floor	Concrete	[ ]	[ ]
137	UJA11-003	UJA11-025	Wall	Concrete	[ ]	[ ]
138	UJA11-003	UJA11-031	Wall	Concrete	[ ]	[ ]
139	UJA11-004	UJA11-026	Wall	Concrete	[ ]	[ ]
140	UJA11-004	UJA11-031	Wall	Concrete	[ ]	[ ]
141	UJA11-005	UJA11-014	Wall	Concrete	[ ]	[ ]
142	UJA11-005	UJA11-018	Wall	Concrete	[ ]	[ ]
143	UJA11-005	UJA15-024	Floor	Concrete	[ ]	[ ]
144	UJA11-006	UJA11-015	Wall	Concrete	[ ]	[ ]
145	UJA11-006	UJA11-018	Wall	Concrete	[ ]	[ ]
146	UJA11-006	UJA15-019	Floor	Concrete	[ ]	[ ]
147	UJA11-007	UJA11-027	Wall	Concrete	[ ]	[ ]
148	UJA11-007	UJA11-032	Wall	Concrete	[ ]	[ ]
149	UJA11-008	UJA11-028	Wall	Concrete	[ ]	[ ]
150	UJA11-008	UJA11-032	Wall	Concrete	[ ]	[ ]
151	UJA11-009	UJA11-016	Wall	Concrete	[ ]	[ ]
152	UJA11-009	UJA11-022	Wall	Concrete	[ ]	[ ]
153	UJA11-009	UJA11-024	Wall	Concrete	[ ]	[ ]
154	UJA11-009	UJA15-017	Floor	Concrete	[ ]	[ ]
155	UJA11-010	UJA11-013	Wall	Concrete	[ ]	[ ]
156	UJA11-010	UJA11-013	Wall	Concrete	[ ]	[ ]
157	UJA11-010	UJA11-021	Wall	Concrete	[ ]	[ ]
158	UJA11-012	UJA11-014	Wall	Concrete	[ ]	[ ]
159	UJA11-012	UJA11-018	Wall	Concrete	[ ]	[ ]
160	UJA11-012	UJA11-019	Wall	Concrete	[ ]	[ ]
161	UJA11-012	UJA11-020	Wall	Concrete	[ ]	[ ]
162	UJA11-013	UJA11-021	Wall	Concrete	[ ]	[ ]
163	UJA11-013	UJA11-023	Wall	Concrete	[ ]	[ ]
164	UJA11-013	UJA11-025	Wall	Concrete	[ ]	[ ]
165	UJA11-013	UJA11-031	Wall	Concrete	[ ]	[ ]
166	UJA11-013	UJA15-013	Floor	Concrete	[ ]	[ ]
167	UJA11-013	UJA15-020	Floor	Concrete	[ ]	[ ]
168	UJA11-013	UJA15-025	Floor	Concrete	[ ]	[ ]
169	UJA11-013	UJANNULUS	Wall	Liner	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
170	UJA11-014	UJA11-018	Wall	Concrete	[ ]	[ ]
171	UJA11-014	UJA11-020	Wall	Concrete	[ ]	[ ]
172	UJA11-014	UJA11-026	Wall	Concrete	[ ]	[ ]
173	UJA11-014	UJA11-031	Wall	Concrete	[ ]	[ ]
174	UJA11-014	UJA15-014	Floor	Concrete	[ ]	[ ]
175	UJA11-014	UJANNULUS	Wall	Liner	[ ]	[ ]
176	UJA11-015	UJA11-018	Wall	Concrete	[ ]	[ ]
177	UJA11-015	UJA11-020	Wall	Concrete	[ ]	[ ]
178	UJA11-015	UJA11-027	Wall	Concrete	[ ]	[ ]
179	UJA11-015	UJA11-032	Wall	Concrete	[ ]	[ ]
180	UJA11-015	UJA15-015	Floor	Concrete	[ ]	[ ]
181	UJA11-015	UJANNULUS	Wall	Liner	[ ]	[ ]
182	UJA11-016	UJA11-023	Wall	Concrete	[ ]	[ ]
183	UJA11-016	UJA11-023	Wall	Concrete	[ ]	[ ]
184	UJA11-016	UJA11-024	Wall	Concrete	[ ]	[ ]
185	UJA11-016	UJA11-024	Wall	Steel	[ ]	[ ]
186	UJA11-016	UJA11-028	Wall	Concrete	[ ]	[ ]
187	UJA11-016	UJA11-032	Wall	Concrete	[ ]	[ ]
188	UJA11-016	UJA15-016	Floor	Concrete	[ ]	[ ]
189	UJA11-016	UJA15-016	Floor	Concrete	[ ]	[ ]
190	UJA11-016	UJA15-020	Floor	Concrete	[ ]	[ ]
191	UJA11-016	UJA15-021	Floor	Concrete	[ ]	[ ]
192	UJA11-016	UJANNULUS	Wall	Liner	[ ]	[ ]
193	UJA11-018	UJA11-019	Wall	Concrete	[ ]	[ ]
194	UJA11-018	UJA15-018	Floor	Concrete	[ ]	[ ]
195	UJA11-018	UJA15-019	Floor	Concrete	[ ]	[ ]
196	UJA11-018	UJA15-024	Floor	Concrete	[ ]	[ ]
197	UJA11-019	UJA11-020	Wall	Concrete	[ ]	[ ]
198	UJA11-019	UJA15-018	Floor	Concrete	[ ]	[ ]
199	UJA11-019	UJA15-019	Floor	Concrete	[ ]	[ ]
200	UJA11-020	UJA15-011	Floor	Concrete	[ ]	[ ]
201	UJA11-020	UJA15-014	Floor	Concrete	[ ]	[ ]
202	UJA11-020	UJA15-015	Floor	Concrete	[ ]	[ ]
203	UJA11-020	UJANNULUS	Wall	Liner	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
204	UJA11-021	UJA11-023	Wall	Concrete	[ ]	[ ]
205	UJA11-021	UJA15-025	Floor	Concrete	[ ]	[ ]
206	UJA11-022	UJA11-023	Wall	Concrete	[ ]	[ ]
207	UJA11-022	UJA15-017	Floor	Concrete	[ ]	[ ]
208	UJA11-023	UJA11-024	Wall	Concrete	[ ]	[ ]
209	UJA11-023	UJA11-024	Wall	Concrete	[ ]	[ ]
210	UJA11-023	UJA15-021	Floor	Concrete	[ ]	[ ]
211	UJA11-023	UJA15-023	Floor	Concrete	[ ]	[ ]
212	UJA11-024	UJA15-016	Floor	Concrete	[ ]	[ ]
213	UJA11-024	UJA15-021	Floor	Concrete	[ ]	[ ]
214	UJA11-025	UJA11-031	Wall	Concrete	[ ]	[ ]
215	UJA11-025	UJA15-013	Floor	Concrete	[ ]	[ ]
216	UJA11-026	UJA11-031	Wall	Concrete	[ ]	[ ]
217	UJA11-026	UJA15-014	Floor	Concrete	[ ]	[ ]
218	UJA11-027	UJA11-032	Wall	Concrete	[ ]	[ ]
219	UJA11-027	UJA15-015	Floor	Concrete	[ ]	[ ]
220	UJA11-028	UJA11-032	Wall	Concrete	[ ]	[ ]
221	UJA11-028	UJA15-016	Floor	Concrete	[ ]	[ ]
222	UJA15-001	UJA15-003	Wall	Concrete	[ ]	[ ]
223	UJA15-001	UJA15-003	Wall	Concrete	[ ]	[ ]
224	UJA15-001	UJA15-004	Wall	Concrete	[ ]	[ ]
225	UJA15-001	UJA15-004	Wall	Concrete	[ ]	[ ]
226	UJA15-001	UJA15-005	Wall	Concrete	[ ]	[ ]
227	UJA15-001	UJA15-005	Wall	Concrete	[ ]	[ ]
228	UJA15-001	UJA15-006	Wall	Concrete	[ ]	[ ]
229	UJA15-001	UJA15-006	Wall	Concrete	[ ]	[ ]
230	UJA15-001	UJA15-007	Wall	Concrete	[ ]	[ ]
231	UJA15-001	UJA15-007	Wall	Concrete	[ ]	[ ]
232	UJA15-001	UJA15-008	Wall	Concrete	[ ]	[ ]
233	UJA15-001	UJA15-008	Wall	Concrete	[ ]	[ ]
234	UJA15-001	UJA15-017	Wall	Concrete	[ ]	[ ]
235	UJA15-001	UJA15-019	Wall	Concrete	[ ]	[ ]
236	UJA15-001	UJA15-024	Wall	Concrete	[ ]	[ ]
237	UJA15-001	UJA15-024	Wall	Concrete	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
238	UJA15-001	UJA18-003	Wall	Concrete	[ ]	[ ]
239	UJA15-001	UJA18-003	Wall	Concrete	[ ]	[ ]
240	UJA15-001	UJA18-004	Wall	Concrete	[ ]	[ ]
241	UJA15-001	UJA18-004	Wall	Concrete	[ ]	[ ]
242	UJA15-001	UJA18-005	Wall	Concrete	[ ]	[ ]
243	UJA15-001	UJA18-005	Wall	Concrete	[ ]	[ ]
244	UJA15-001	UJA18-006	Wall	Concrete	[ ]	[ ]
245	UJA15-001	UJA18-006	Wall	Concrete	[ ]	[ ]
246	UJA15-001	UJA18-007	Wall	Concrete	[ ]	[ ]
247	UJA15-001	UJA18-007	Wall	Concrete	[ ]	[ ]
248	UJA15-001	UJA18-008	Wall	Concrete	[ ]	[ ]
249	UJA15-001	UJA18-008	Wall	Concrete	[ ]	[ ]
250	UJA15-001	UJA18-018	Wall	Concrete	[ ]	[ ]
251	UJA15-001	UJA18-018	Wall	Concrete	[ ]	[ ]
252	UJA15-001	UJA18-019	Wall	Concrete	[ ]	[ ]
253	UJA15-001	UJA18-019	Wall	Concrete	[ ]	[ ]
254	UJA15-001	UJA23-003	Wall	Concrete	[ ]	[ ]
255	UJA15-001	UJA23-003	Wall	Concrete	[ ]	[ ]
256	UJA15-001	UJA23-004	Wall	Concrete	[ ]	[ ]
257	UJA15-001	UJA23-004	Wall	Concrete	[ ]	[ ]
258	UJA15-001	UJA23-005	Wall	Concrete	[ ]	[ ]
259	UJA15-001	UJA23-005	Wall	Concrete	[ ]	[ ]
260	UJA15-001	UJA23-006	Wall	Concrete	[ ]	[ ]
261	UJA15-001	UJA23-006	Wall	Concrete	[ ]	[ ]
262	UJA15-001	UJA23-007	Wall	Concrete	[ ]	[ ]
263	UJA15-001	UJA23-007	Wall	Concrete	[ ]	[ ]
264	UJA15-001	UJA23-008	Wall	Concrete	[ ]	[ ]
265	UJA15-001	UJA23-008	Wall	Concrete	[ ]	[ ]
266	UJA15-001	UJA23-019	Wall	Concrete	[ ]	[ ]
267	UJA15-001	UJA23-019	Wall	Concrete	[ ]	[ ]
268	UJA15-001	UJA23-041	Wall	Concrete	[ ]	[ ]
269	UJA15-001	UJA23-041	Wall	Concrete	[ ]	[ ]
270	UJA15-001	UJA29-013	Floor	Concrete	[ ]	[ ]
271	UJA15-001	UJA29-013	Floor	Concrete	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
272	UJA15-001	UJA29-013	Floor	Concrete	[ ]	[ ]
273	UJA15-001	UJA29-013	Floor	Concrete	[ ]	[ ]
274	UJA15-001	UJA29-016	Floor	Concrete	[ ]	[ ]
275	UJA15-001	UJA29-016	Floor	Concrete	[ ]	[ ]
276	UJA15-001	UJA29-016	Floor	Concrete	[ ]	[ ]
277	UJA15-001	UJA29-016	Floor	Concrete	[ ]	[ ]
278	UJA15-001	UJA29-018	Floor	Concrete	[ ]	[ ]
279	UJA15-002	UJA15-003	Wall	Concrete	[ ]	[ ]
280	UJA15-002	UJA15-010	Wall	Concrete	[ ]	[ ]
281	UJA15-002	UJA15-010	Wall	Concrete	[ ]	[ ]
282	UJA15-002	UJA15-013	Wall	Concrete	[ ]	[ ]
283	UJA15-002	UJA15-013	Wall	Concrete	[ ]	[ ]
284	UJA15-002	UJA15-017	Wall	Concrete	[ ]	[ ]
285	UJA15-002	UJA15-017	Wall	Concrete	[ ]	[ ]
286	UJA15-002	UJA15-025	Wall	Concrete	[ ]	[ ]
287	UJA15-002	UJA15-025	Wall	Concrete	[ ]	[ ]
288	UJA15-003	UJA15-004	Wall	Concrete	[ ]	[ ]
289	UJA15-003	UJA15-004	Wall	Concrete	[ ]	[ ]
290	UJA15-003	UJA15-013	Wall	Concrete	[ ]	[ ]
291	UJA15-003	UJA15-013	Wall	Concrete	[ ]	[ ]
292	UJA15-004	UJA15-005	Wall	Concrete	[ ]	[ ]
293	UJA15-004	UJA15-005	Wall	Concrete	[ ]	[ ]
294	UJA15-004	UJA15-014	Wall	Concrete	[ ]	[ ]
295	UJA15-004	UJA15-014	Wall	Concrete	[ ]	[ ]
296	UJA15-005	UJA15-014	Wall	Concrete	[ ]	[ ]
297	UJA15-005	UJA15-014	Wall	Concrete	[ ]	[ ]
298	UJA15-005	UJA15-018	Wall	Concrete	[ ]	[ ]
299	UJA15-005	UJA15-018	Wall	Concrete	[ ]	[ ]
300	UJA15-005	UJA15-024	Wall	Concrete	[ ]	[ ]
301	UJA15-005	UJA15-024	Wall	Concrete	[ ]	[ ]
302	UJA15-006	UJA15-007	Wall	Concrete	[ ]	[ ]
303	UJA15-006	UJA15-007	Wall	Concrete	[ ]	[ ]
304	UJA15-006	UJA15-015	Wall	Concrete	[ ]	[ ]
305	UJA15-006	UJA15-015	Wall	Concrete	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
306	UJA15-006	UJA15-019	Wall	Concrete	[ ]	[ ]
307	UJA15-006	UJA15-019	Wall	Concrete	[ ]	[ ]
308	UJA15-007	UJA15-008	Wall	Concrete	[ ]	[ ]
309	UJA15-007	UJA15-008	Wall	Concrete	[ ]	[ ]
310	UJA15-007	UJA15-015	Wall	Concrete	[ ]	[ ]
311	UJA15-007	UJA15-015	Wall	Concrete	[ ]	[ ]
312	UJA15-008	UJA15-009	Wall	Concrete	[ ]	[ ]
313	UJA15-008	UJA15-009	Wall	Concrete	[ ]	[ ]
314	UJA15-008	UJA15-016	Wall	Concrete	[ ]	[ ]
315	UJA15-008	UJA15-016	Wall	Concrete	[ ]	[ ]
316	UJA15-008	UJA18-008	Wall	Concrete	[ ]	[ ]
317	UJA15-009	UJA15-016	Wall	Concrete	[ ]	[ ]
318	UJA15-009	UJA15-016	Wall	Concrete	[ ]	[ ]
319	UJA15-009	UJA15-017	Wall	Concrete	[ ]	[ ]
320	UJA15-009	UJA15-017	Wall	Concrete	[ ]	[ ]
321	UJA15-009	UJA18-009	Floor	Concrete	[ ]	[ ]
322	UJA15-010	UJA15-013	Wall	Concrete	[ ]	[ ]
323	UJA15-010	UJA15-025	Wall	Concrete	[ ]	[ ]
324	UJA15-010	UJA15-025	Wall	Concrete	[ ]	[ ]
325	UJA15-011	UJA15-014	Wall	Concrete	[ ]	[ ]
326	UJA15-011	UJA15-014	Wall	Concrete	[ ]	[ ]
327	UJA15-011	UJA15-015	Wall	Concrete	[ ]	[ ]
328	UJA15-011	UJA15-015	Wall	Concrete	[ ]	[ ]
329	UJA15-011	UJA15-018	Wall	Concrete	[ ]	[ ]
330	UJA15-011	UJA15-018	Wall	Concrete	[ ]	[ ]
331	UJA15-011	UJA15-019	Wall	Concrete	[ ]	[ ]
332	UJA15-011	UJA15-019	Wall	Concrete	[ ]	[ ]
333	UJA15-012	UJA15-014	Wall	Concrete	[ ]	[ ]
334	UJA15-012	UJA15-014	Wall	Concrete	[ ]	[ ]
335	UJA15-012	UJA15-018	Wall	Concrete	[ ]	[ ]
336	UJA15-012	UJA15-018	Wall	Concrete	[ ]	[ ]
337	UJA15-013	UJA15-014	Wall	Concrete	[ ]	[ ]
338	UJA15-013	UJA15-020	Wall	Concrete	[ ]	[ ]
339	UJA15-013	UJA15-025	Wall	Concrete	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
340	UJA15-013	UJA15-025	Wall	Concrete	[ ]	[ ]
341	UJA15-013	UJA18-013	Floor	Concrete	[ ]	[ ]
342	UJA15-013	UJANNULUS	Wall	Liner	[ ]	[ ]
343	UJA15-014	UJA15-015	Wall	Concrete	[ ]	[ ]
344	UJA15-014	UJA15-018	Wall	Concrete	[ ]	[ ]
345	UJA15-014	UJA18-014	Floor	Concrete	[ ]	[ ]
346	UJA15-015	UJANNULUS	Wall	Liner	[ ]	[ ]
347	UJA15-015	UJA15-016	Wall	Concrete	[ ]	[ ]
348	UJA15-015	UJA15-019	Wall	Concrete	[ ]	[ ]
349	UJA15-015	UJA18-015	Floor	Concrete	[ ]	[ ]
350	UJA15-015	UJANNULUS	Wall	Liner	[ ]	[ ]
351	UJA15-016	UJA15-021	Wall	Concrete	[ ]	[ ]
352	UJA15-016	UJA15-021	Wall	Concrete	[ ]	[ ]
353	UJA15-016	UJA18-016	Floor	Concrete	[ ]	[ ]
354	UJA15-016	UJANNULUS	Wall	Liner	[ ]	[ ]
355	UJA15-017	UJA15-021	Wall	Concrete	[ ]	[ ]
356	UJA15-017	UJA15-021	Wall	Concrete	[ ]	[ ]
357	UJA15-017	UJA15-023	Wall	Concrete	[ ]	[ ]
358	UJA15-017	UJA15-023	Wall	Concrete	[ ]	[ ]
359	UJA15-017	UJA18-002	Wall	Concrete	[ ]	[ ]
360	UJA15-017	UJA18-002	Wall	Concrete	[ ]	[ ]
361	UJA15-017	UJA18-009	Wall	Concrete	[ ]	[ ]
362	UJA15-017	UJA18-009	Wall	Concrete	[ ]	[ ]
363	UJA15-017	UJA23-002	Wall	Concrete	[ ]	[ ]
364	UJA15-017	UJA23-002	Wall	Concrete	[ ]	[ ]
365	UJA15-017	UJA23-009	Wall	Concrete	[ ]	[ ]
366	UJA15-017	UJA23-009	Wall	Concrete	[ ]	[ ]
367	UJA15-017	UJA29-013	Floor	Concrete	[ ]	[ ]
368	UJA15-017	UJA29-013	Floor	Concrete	[ ]	[ ]
369	UJA15-018	UJA15-019	Wall	Concrete	[ ]	[ ]
370	UJA15-018	UJA15-019	Wall	Concrete	[ ]	[ ]
371	UJA15-018	UJA15-024	Wall	Concrete	[ ]	[ ]
372	UJA15-018	UJA15-024	Wall	Concrete	[ ]	[ ]
373	UJA15-018	UJA18-018	Floor	Concrete	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
374	UJA15-019	UJA15-024	Wall	Concrete	[ ]	[ ]
375	UJA15-019	UJA15-024	Wall	Concrete	[ ]	[ ]
376	UJA15-019	UJA18-019	Floor	Concrete	[ ]	[ ]
377	UJA15-020	UJA15-021	Wall	Concrete	[ ]	[ ]
378	UJA15-020	UJA15-021	Wall	Concrete	[ ]	[ ]
379	UJA15-020	UJA15-023	Wall	Concrete	[ ]	[ ]
380	UJA15-020	UJA15-023	Wall	Concrete	[ ]	[ ]
381	UJA15-020	UJA15-025	Wall	Concrete	[ ]	[ ]
382	UJA15-020	UJA15-025	Wall	Concrete	[ ]	[ ]
383	UJA15-020	UJA18-013	Floor	Concrete	[ ]	[ ]
384	UJA15-020	UJANNULUS	Wall	Liner	[ ]	[ ]
385	UJA15-020	UJANNULUS	Wall	Liner	[ ]	[ ]
386	UJA15-021	UJA15-023	Wall	Concrete	[ ]	[ ]
387	UJA15-021	UJA15-023	Wall	Concrete	[ ]	[ ]
388	UJA15-021	UJA15-023	Wall	Concrete	[ ]	[ ]
389	UJA15-021	UJA15-023	Wall	Concrete	[ ]	[ ]
390	UJA15-021	UJA18-016	Wall	Concrete	[ ]	[ ]
391	UJA15-021	UJA18-016	Wall	Concrete	[ ]	[ ]
392	UJA15-021	UJA23-016	Wall	Concrete	[ ]	[ ]
393	UJA15-021	UJA23-016	Wall	Concrete	[ ]	[ ]
394	UJA15-023	UJA15-025	Wall	Concrete	[ ]	[ ]
395	UJA15-023	UJA15-025	Wall	Concrete	[ ]	[ ]
396	UJA15-023	UJA23-013	Wall	Concrete	[ ]	[ ]
397	UJA15-023	UJA23-013	Wall	Concrete	[ ]	[ ]
398	UJA15-023	UJA29-013	Floor	Concrete	[ ]	[ ]
399	UJA15-024	UJA18-018	Floor	Concrete	[ ]	[ ]
400	UJA18-002	UJA18-003	Wall	Concrete	[ ]	[ ]
401	UJA18-002	UJA18-010	Wall	Concrete	[ ]	[ ]
402	UJA18-002	UJA18-013	Wall	Concrete	[ ]	[ ]
403	UJA18-003	UJA18-004	Wall	Concrete	[ ]	[ ]
404	UJA18-003	UJA18-013	Wall	Concrete	[ ]	[ ]
405	UJA18-004	UJA18-005	Wall	Concrete	[ ]	[ ]
406	UJA18-004	UJA18-014	Wall	Concrete	[ ]	[ ]
407	UJA18-005	UJA18-014	Wall	Concrete	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
408	UJA18-005	UJA18-018	Wall	Concrete	[ ]	[ ]
409	UJA18-006	UJA18-007	Wall	Concrete	[ ]	[ ]
410	UJA18-006	UJA18-015	Wall	Concrete	[ ]	[ ]
411	UJA18-006	UJA18-019	Wall	Concrete	[ ]	[ ]
412	UJA18-007	UJA18-008	Wall	Concrete	[ ]	[ ]
413	UJA18-007	UJA18-015	Wall	Concrete	[ ]	[ ]
414	UJA18-008	UJA18-009	Wall	Concrete	[ ]	[ ]
415	UJA18-008	UJA18-016	Wall	Concrete	[ ]	[ ]
416	UJA18-009	UJA18-016	Wall	Concrete	[ ]	[ ]
417	UJA18-010	UJA18-013	Wall	Concrete	[ ]	[ ]
418	UJA18-011	UJA18-014	Wall	Concrete	[ ]	[ ]
419	UJA18-011	UJA18-015	Wall	Concrete	[ ]	[ ]
420	UJA18-011	UJA18-018	Wall	Concrete	[ ]	[ ]
421	UJA18-011	UJA18-019	Wall	Concrete	[ ]	[ ]
422	UJA18-012	UJA18-014	Wall	Concrete	[ ]	[ ]
423	UJA18-012	UJA18-018	Wall	Concrete	[ ]	[ ]
424	UJA18-013	UJA18-014	Wall	Concrete	[ ]	[ ]
425	UJA18-013	UJANNULUS	Wall	Liner	[ ]	[ ]
426	UJA18-013	UJANNULUS	Wall	Liner	[ ]	[ ]
427	UJA18-014	UJA18-018	Wall	Concrete	[ ]	[ ]
428	UJA18-014	UJANNULUS	Wall	Liner	[ ]	[ ]
429	UJA18-014	UJANNULUS	Wall	Liner	[ ]	[ ]
430	UJA18-015	UJA18-019	Wall	Concrete	[ ]	[ ]
431	UJA18-015	UJANNULUS	Wall	Liner	[ ]	[ ]
432	UJA18-016	UJANNULUS	Wall	Liner	[ ]	[ ]
433	UJA18-018	UJA18-019	Wall	Concrete	[ ]	[ ]
434	UJA18-018	UJA23-041	Floor	Concrete	[ ]	[ ]
435	UJA18-018	UJA23-042	Wall	Concrete	[ ]	[ ]
436	UJA18-019	UJA23-019	Floor	Concrete	[ ]	[ ]
437	UJA23-002	UJA23-003	Wall	Concrete	[ ]	[ ]
438	UJA23-002	UJA23-010	Wall	Concrete	[ ]	[ ]
439	UJA23-002	UJA23-013	Wall	Concrete	[ ]	[ ]
440	UJA23-002	UJA23-020	Wall	Concrete	[ ]	[ ]
441	UJA23-002	UJA29-013	Floor	Concrete	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
442	UJA23-003	UJA23-004	Wall	Concrete	[ ]	[ ]
443	UJA23-003	UJA23-013	Wall	Concrete	[ ]	[ ]
444	UJA23-003	UJA23-017	Wall	Concrete	[ ]	[ ]
445	UJA23-003	UJA29-013	Floor	Concrete	[ ]	[ ]
446	UJA23-004	UJA23-005	Wall	Concrete	[ ]	[ ]
447	UJA23-004	UJA23-014	Wall	Concrete	[ ]	[ ]
448	UJA23-004	UJA23-017	Wall	Concrete	[ ]	[ ]
449	UJA23-005	UJA23-014	Wall	Concrete	[ ]	[ ]
450	UJA23-005	UJA23-041	Wall	Concrete	[ ]	[ ]
451	UJA23-005	UJA23-042	Wall	Concrete	[ ]	[ ]
452	UJA23-005	UJA29-018	Floor	Concrete	[ ]	[ ]
453	UJA23-006	UJA23-007	Wall	Concrete	[ ]	[ ]
454	UJA23-006	UJA23-015	Wall	Concrete	[ ]	[ ]
455	UJA23-006	UJA23-019	Wall	Concrete	[ ]	[ ]
456	UJA23-006	UJA29-016	Floor	Concrete	[ ]	[ ]
457	UJA23-006	UJA29-019	Floor	Concrete	[ ]	[ ]
458	UJA23-007	UJA23-008	Wall	Concrete	[ ]	[ ]
459	UJA23-007	UJA23-015	Wall	Concrete	[ ]	[ ]
460	UJA23-007	UJA23-018	Wall	Concrete	[ ]	[ ]
461	UJA23-008	UJA23-009	Wall	Concrete	[ ]	[ ]
462	UJA23-008	UJA23-016	Wall	Concrete	[ ]	[ ]
463	UJA23-008	UJA23-018	Wall	Concrete	[ ]	[ ]
464	UJA23-008	UJA29-016	Floor	Concrete	[ ]	[ ]
465	UJA23-009	UJA23-016	Wall	Concrete	[ ]	[ ]
466	UJA23-009	UJA23-031	Wall	Concrete	[ ]	[ ]
467	UJA23-010	UJA23-013	Wall	Concrete	[ ]	[ ]
468	UJA23-010	UJA23-020	Wall	Concrete	[ ]	[ ]
469	UJA23-011	UJA23-014	Wall	Concrete	[ ]	[ ]
470	UJA23-011	UJA23-015	Wall	Concrete	[ ]	[ ]
471	UJA23-011	UJA23-019	Wall	Concrete	[ ]	[ ]
472	UJA23-011	UJA23-042	Wall	Concrete	[ ]	[ ]
473	UJA23-012	UJA23-014	Wall	Concrete	[ ]	[ ]
474	UJA23-012	UJA23-042	Wall'	Concrete	[ ]	[ ]
475	UJA23-013	UJA23-017	Wall	Concrete	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
476	UJA23-013	UJA23-020	Wall	Concrete	[ ]	[ ]
477	UJA23-013	UJA29-013	Floor	Concrete	[ ]	[ ]
478	UJA23-013	UJA29-023	Floor	Concrete	[ ]	[ ]
479	UJA23-013	UJANNULUS	Wall	Liner	[ ]	[ ]
480	UJA23-014	UJA23-017	Wall	Concrete	[ ]	[ ]
481	UJA23-014	UJA23-042	Wall	Concrete	[ ]	[ ]
482	UJA23-014	UJA29-014	Floor	Concrete	[ ]	[ ]
483	UJA23-014	UJANNULUS	Wall	Liner	[ ]	[ ]
484	UJA23-015	UJA23-018	Wall	Concrete	[ ]	[ ]
485	UJA23-015	UJA23-019	Wall	Concrete	[ ]	[ ]
486	UJA23-015	UJA29-015	Floor	Concrete	[ ]	[ ]
487	UJA23-015	UJA29-022	Floor	Concrete	[ ]	[ ]
488	UJA23-015	UJANNULUS	Wall	Liner	[ ]	[ ]
489	UJA23-016	UJA23-018	Wall	Concrete	[ ]	[ ]
490	UJA23-016	UJA23-031	Wall	Concrete	[ ]	[ ]
491	UJA23-016	UJA29-016	Floor	Concrete	[ ]	[ ]
492	UJA23-016	UJANNULUS	Wall	Liner	[ ]	[ ]
493	UJA23-017	UJA29-014	Floor	Concrete	[ ]	[ ]
494	UJA23-018	UJA29-015	Floor	Concrete	[ ]	[ ]
495	UJA23-018	UJA29-016	Floor	Concrete	[ ]	[ ]
496	UJA23-018	UJA29-022	Floor	Concrete	[ ]	[ ]
497	UJA23-019	UJA23-041	Wall	Concrete	[ ]	[ ]
498	UJA23-019	UJA23-042	Wall	Concrete	[ ]	[ ]
499	UJA23-019	UJA29-019	Floor	Concrete	[ ]	[ ]
500	UJA23-041	UJA23-042	Wall	Concrete	[ ]	[ ]
501	UJA23-041	UJA29-018	Floor	Concrete	[ ]	[ ]
502	UJA23-042	UJA29-018	Floor	Concrete	[ ]	[ ]
503	UJA29-003	UJA29-004	Wall	Concrete	[ ]	[ ]
504	UJA29-003	UJA29-013	Wall	Concrete	[ ]	[ ]
505	UJA29-003	UJA29-013	Wall	Concrete	[ ]	[ ]
506	UJA29-003	UJA29-013	Wall	Concrete	[ ]	[ ]
507	UJA29-003	UJA29-014	Wall	Concrete	[ ]	[ ]
508	UJA29-003	UJA29-023	Wall	Concrete	[ ]	[ ]
509	UJA29-004	UJA29-005	Wall	Concrete	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
510	UJA29-004	UJA29-005	Wall	Concrete	[ ]	[ ]
511	UJA29-004	UJA29-013	Wall	Concrete	[ ]	[ ]
512	UJA29-004	UJA29-013	Wall	Concrete	[ ]	[ ]
513	UJA29-004	UJA29-014	Wall	Concrete	[ ]	[ ]
514	UJA29-005	UJA29-014	Wall	Concrete	[ ]	[ ]
515	UJA29-005	UJA29-018	Wall	Concrete	[ ]	[ ]
516	UJA29-006	UJA29-007	Wall	Concrete	[ ]	[ ]
517	UJA29-006	UJA29-007	Wall	Concrete	[ ]	[ ]
518	UJA29-006	UJA29-015	Wall	Concrete	[ ]	[ ]
519	UJA29-006	UJA29-016	Wall	Concrete	[ ]	[ ]
520	UJA29-006	UJA29-019	Wall	Concrete	[ ]	[ ]
521	UJA29-006	UJA29-022	Wall	Concrete	[ ]	[ ]
522	UJA29-006	UJA34-006	Floor	Concrete	[ ]	[ ]
523	UJA29-007	UJA29-008	Wall	Concrete	[ ]	[ ]
524	UJA29-007	UJA29-015	Wall	Concrete	[ ]	[ ]
525	UJA29-007	UJA29-016	Wall	Concrete	[ ]	[ ]
526	UJA29-007	UJA29-016	Wall	Concrete	[ ]	[ ]
527	UJA29-007	UJA29-022	Wall	Concrete	[ ]	[ ]
528	UJA29-008	UJA29-016	Wall	Concrete	[ ]	[ ]
529	UJA29-008	UJA29-016	Wall	Concrete	[ ]	[ ]
530	UJA29-008	UJA29-016	Wall	Concrete	[ ]	[ ]
531	UJA29-008	UJA29-016	Wall	Concrete	[ ]	[ ]
532	UJA29-011	UJA29-014	Wall	Concrete	[ ]	[ ]
533	UJA29-011	UJA29-015	Wall	Concrete	[ ]	[ ]
534	UJA29-011	UJA29-018	Wall	Concrete	[ ]	[ ]
535	UJA29-011	UJA29-019	Wall	Concrete	[ ]	[ ]
536	UJA29-012	UJA29-014	Wall	Concrete	[ ]	[ ]
537	UJA29-012	UJA29-018	Wall	Concrete	[ ]	[ ]
538	UJA29-013	UJA29-018	Wall	Concrete	[ ]	[ ]
539	UJA29-013	UJA29-023	Wall	Concrete	[ ]	[ ]
540	UJA29-013	UJANNULUS	Wall	Liner	[ ]	[ ]
541	UJA29-014	UJA29-018	Wall	Concrete	[ ]	[ ]
542	UJA29-014	UJA29-018	Wall	Concrete	[ ]	[ ]
543	UJA29-014	UJA29-023	Wall	Concrete	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data
(26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
544	UJA29-014	UJA34-014	Floor	Concrete	[ ]	[ ]
545	UJA29-014	UJANNULUS	Wall	Liner	[ ]	[ ]
546	UJA29-015	UJA29-016	Wall	Concrete	[ ]	[ ]
547	UJA29-015	UJA29-019	Wall	Concrete	[ ]	[ ]
548	UJA29-015	UJA29-022	Wall	Concrete	[ ]	[ ]
549	UJA29-015	UJA34-015	Floor	Concrete	[ ]	[ ]
550	UJA29-015	UJANNULUS	Wall	Liner	[ ]	[ ]
551	UJA29-016	UJANNULUS	Wall	Liner	[ ]	[ ]
552	UJA29-016	UJANNULUS	Spherical	Steel	[ ]	[ ]
553	UJA29-018	UJA29-019	Wall	Concrete	[ ]	[ ]
554	UJA29-018	UJA34-018	Floor	Concrete	[ ]	[ ]
555	UJA29-019	UJA34-019	Floor	Concrete	[ ]	[ ]
556	UJA29-022	UJA34-015	Floor	Concrete	[ ]	[ ]
557	UJA29-023	UJA34-014	Floor	Concrete	[ ]	[ ]
558	UJA29-023	UJANNULUS	Wall'	Liner	[ ]	[ ]
559	UJA34-003	UJA29-013	Wall	Concrete	[ ]	[ ]
560	UJA34-003	UJA29-013	Wall	Concrete	[ ]	[ ]
561	UJA34-003	UJA34-004	Wall	Concrete	[ ]	[ ]
562	UJA34-003	UJA34-014	Wall	Concrete	[ ]	[ ]
563	UJA34-004	UJA29-013	Wall	Concrete	[ ]	[ ]
564	UJA34-004	UJA34-005	Wall	Concrete	[ ]	[ ]
565	UJA34-004	UJA34-014	Wall	Concrete	[ ]	[ ]
566	UJA34-005	UJA29-013	Wall	Concrete	[ ]	[ ]
567	UJA34-005	UJA34-014	Wall	Concrete	[ ]	[ ]
568	UJA34-005	UJA34-018	Wall	Concrete	[ ]	[ ]
569	UJA34-005	UJA40-001	Floor	Concrete	[ ]	[ ]
570	UJA34-006	UJA29-016	Wall	Concrete	[ ]	[ ]
571	UJA34-006	UJA34-007	Wall	Concrete	[ ]	[ ]
572	UJA34-006	UJA34-015	Wall	Concrete	[ ]	[ ]
573	UJA34-006	UJA34-019	Wall	Concrete	[ ]	[ ]
574	UJA34-006	UJA40-001	Floor	Concrete	[ ]	[ ]
575	UJA34-007	UJA29-016	Wall	Concrete	[ ]	[ ]
576	UJA34-007	UJA34-008	Wall	Concrete	[ ]	[ ]
577	UJA34-007	UJA34-015	Wall	Concrete	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
578	UJA34-007	UJA34-015	Wall	Concrete	[ ]	[ ]
579	UJA34-008	UJA29-016	Wall	Concrete	[ ]	[ ]
580	UJA34-008	UJA29-016	Wall	Concrete	[ ]	[ ]
581	UJA34-008	UJA34-015	Wall	Concrete	[ ]	[ ]
582	UJA34-003	UJA40-001	Wall	Concrete	[ ]	[ ]
583	UJA34-004	UJA40-001	Wall	Concrete	[ ]	[ ]
584	UJA34-007	UJA40-001	Wall	Concrete	[ ]	[ ]
585	UJA34-008	UJA40-001	Wall	Concrete	[ ]	[ ]
586	UJA34-104	UJA40-001	Wall	Concrete	[ ]	[ ]
587	UJA34-108	UJA40-001	Wall	Concrete	[ ]	[ ]
588	UJA34-003	UJA40-001	Wall	Concrete	[ ]	[ ]
589	UJA34-004	UJA40-001	Wall	Concrete	[ ]	[ ]
590	UJA34-007	UJA40-001	Wall	Concrete	[ ]	[ ]
591	UJA34-008	UJA40-001	Wall	Concrete	[ ]	[ ]
592	UJA34-104	UJA40-001	Wall	Concrete	[ ]	[ ]
593	UJA34-108	UJA40-001	Wall	Concrete	[ ]	[ ]
594	UJA34-011	UJA34-014	Wall	Concrete	[ ]	[ ]
595	UJA34-011	UJA34-015	Wall	Concrete	[ ]	[ ]
596	UJA34-011	UJA34-018	Wall	Concrete	[ ]	[ ]
597	UJA34-011	UJA34-019	Wall	Concrete	[ ]	[ ]
598	UJA34-011	UJA40-001	Floor	Concrete	[ ]	[ ]
599	UJA34-012	UJA34-014	Wall	Concrete	[ ]	[ ]
600	UJA34-012	UJA34-018	Wall	Concrete	[ ]	[ ]
601	UJA34-012	UJA40-001	Floor	Concrete	[ ]	[ ]
602	UJA34-014	UJA34-018	Wall	Concrete	[ ]	[ ]
603	UJA34-014	UJANNULUS	Wall	Liner	[ ]	[ ]
604	UJA34-015	UJA34-019	Wall	Concrete	[ ]	[ ]
605	UJA34-015	UJA40-001	Floor	Concrete	[ ]	[ ]
606	UJA34-015	UJANNULUS	Wall	Liner	[ ]	[ ]
607	UJA34-018	UJA29-013	Wall	Concrete	[ ]	[ ]
608	UJA34-018	UJA34-019	Wall	Concrete	[ ]	[ ]
609	UJA34-018	UJA40-001	Floor	Concrete	[ ]	[ ]
610	UJA34-019	UJA29-016	Wall	Concrete	[ ]	[ ]
611	UJA34-019	UJA40-001	Floor	Concrete	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
612	UJA04-006	UJA04-006	Wall	Steel	[ ]	[ ]
613	UJA04-005	UJA04-005	Wall	Steel	[ ]	[ ]
614	UJA04-003	UJA04-003	Wall	Steel	[ ]	[ ]
615	UJA04-003	UJA04-003	Wall	Steel	[ ]	[ ]
616	UJA07-019	UJA07-019	Wall	Steel	[ ]	[ ]
617	UJA07-013	UJA07-013	Wall	Steel	[ ]	[ ]
618	UJA07-015	UJA07-015	Wall	Steel	[ ]	[ ]
619	UJA07-015	UJA07-015	Wall	Steel	[ ]	[ ]
620	UJA07-016	UJA07-016	Wall	Steel	[ ]	[ ]
621	UJA07-016	UJA07-016	Wall	Steel	[ ]	[ ]
622	UJA07-014	UJA07-014	Wall	Steel	[ ]	[ ]
623	UJA07-014	UJA07-014	Wall	Steel	[ ]	[ ]
624	UJA07-013	UJA07-013	Wall	Steel	[ ]	[ ]
625	UJA15-006	UJA15-006	Wall	Steel	[ ]	[ ]
626	UJA15-009	UJA15-009	Wall	Steel	[ ]	[ ]
627	UJA15-002	UJA15-002	Wall	Steel	[ ]	[ ]
628	UJA15-005	UJA15-005	Wall	Steel	[ ]	[ ]
629	UJA11-020	UJA11-020	Wall	Steel	[ ]	[ ]
630	UJA11-015	UJA11-015	Wall	Steel	[ ]	[ ]
631	UJA11-016	UJA11-016	Wall	Steel	[ ]	[ ]
632	UJA11-016	UJA11-016	Wall	Steel	[ ]	[ ]
633	UJA11-013	UJA11-013	Wall	Steel	[ ]	[ ]
634	UJA11-013	UJA11-013	Wall	Steel	[ ]	[ ]
635	UJA11-014	UJA11-014	Wall	Steel	[ ]	[ ]
636	UJA11-020	UJA11-020	Wall	Steel	[ ]	[ ]
637	UJA15-007	UJA15-007	Wall	Steel	[ ]	[ ]
638	UJA15-008	UJA15-008	Wall	Steel	[ ]	[ ]
639	UJA15-003	UJA15-003	Wall	Steel	[ ]	[ ]
640	UJA15-004	UJA15-004	Wall	Steel	[ ]	[ ]
641	UJA15-018	UJA15-018	Wall	Steel	[ ]	[ ]
642	UJA15-019	UJA15-019	Wall	Steel	[ ]	[ ]
643	UJA18-006	UJA18-006	Wall	Steel	[ ]	[ ]
644	UJA18-009	UJA18-009	Wall	Steel	[ ]	[ ]
645	UJA18-002	UJA18-002	Wall	Steel	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
646	UJA18-005	UJA18-005	Wall	Steel	[ ]	[ ]
647	UJA15-015	UJA15-015	Wall	Steel	[ ]	[ ]
648	UJA15-015	UJA15-015	Wall	Steel	[ ]	[ ]
649	UJA15-016	UJA15-016	Wall	Steel	[ ]	[ ]
650	UJA15-016	UJA15-016	Wall	Steel	[ ]	[ ]
651	UJA15-013	UJA15-013	Wall	Steel	[ ]	[ ]
652	UJA15-013	UJA15-013	Wall	Steel	[ ]	[ ]
653	UJA15-014	UJA15-014	Wall	Steel	[ ]	[ ]
654	UJA15-014	UJA15-014	Wall	Steel	[ ]	[ ]
655	UJA18-015	UJA18-015	Wall	Steel	[ ]	[ ]
656	UJA18-016	UJA18-016	Wall	Steel	[ ]	[ ]
657	UJA18-013	UJA18-013	Wall	Steel	[ ]	[ ]
658	UJA18-014	UJA18-014	Wall	Steel	[ ]	[ ]
659	UJA18-007	UJA18-007	Wall	Steel	[ ]	[ ]
660	UJA18-008	UJA18-008	Wall	Steel	[ ]	[ ]
661	UJA18-003	UJA18-003	Wall	Steel	[ ]	[ ]
662	UJA18-004	UJA18-004	Wall	Steel	[ ]	[ ]
663	UJA18-006	UJA18-006	Wall	Steel	[ ]	[ ]
664	UJA18-009	UJA18-009	Wall	Steel	[ ]	[ ]
665	UJA18-002	UJA18-002	Wall	Steel	[ ]	[ ]
666	UJA18-005	UJA18-005	Wall	Steel	[ ]	[ ]
667	UJA18-015	UJA18-015	Wall	Steel	[ ]	[ ]
668	UJA18-015	UJA18-015	Wall	Steel	[ ]	[ ]
669	UJA18-016	UJA18-016	Wall	Steel	[ ]	[ ]
670	UJA18-016	UJA18-016	Wall	Steel	[ ]	[ ]
671	UJA18-013	UJA18-013	Wall	Steel	[ ]	[ ]
672	UJA18-013	UJA18-013	Wall	Steel	[ ]	[ ]
673	UJA18-014	UJA18-014	Wall	Steel	[ ]	[ ]
674	UJA18-014	UJA18-014	Wall	Steel	[ ]	[ ]
675	UJA23-006	UJA23-006	Wall	Steel	[ ]	[ ]
676	UJA23-007	UJA23-007	Wall	Steel	[ ]	[ ]
677	UJA23-008	UJA23-008	Wall	Steel	[ ]	[ ]
678	UJA23-009	UJA23-009	Wall	Steel	[ ]	[ ]
679	UJA23-002	UJA23-002	Wall	Steel	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
680	UJA23-003	UJA23-003	Wall	Steel	[ ]	[ ]
681	UJA23-004	UJA23-004	Wall	Steel	[ ]	[ ]
682	UJA23-005	UJA23-005	Wall	Steel	[ ]	[ ]
683	UJA23-019	UJA23-019	Wall	Steel	[ ]	[ ]
684	UJA23-015	UJA23-015	Wall	Steel	[ ]	[ ]
685	UJA23-015	UJA23-015	Wall	Steel	[ ]	[ ]
686	UJA23-016	UJA23-016	Wall	Steel	[ ]	[ ]
687	UJA23-016	UJA23-016	Wall	Steel	[ ]	[ ]
688	UJA23-013	UJA23-013	Wall	Steel	[ ]	[ ]
689	UJA23-013	UJA23-013	Wall	Steel	[ ]	[ ]
690	UJA23-014	UJA23-014	Wall	Steel	[ ]	[ ]
691	UJA23-014	UJA23-014	Wall	Steel	[ ]	[ ]
692	UJA29-006	UJA29-006	Wall	Steel	[ ]	[ ]
693	UJA29-007	UJA29-007	Wall	Steel	[ ]	[ ]
694	UJA29-008	UJA29-008	Wall	Steel	[ ]	[ ]
695	UJA29-003	UJA29-003	Wall	Steel	[ ]	[ ]
696	UJA29-004	UJA29-004	Wall	Steel	[ ]	[ ]
697	UJA29-005	UJA29-005	Wall	Steel	[ ]	[ ]
698	UJA29-015	UJA29-015	Wall	Steel	[ ]	[ ]
699	UJA29-015	UJA29-015	Wall	Steel	[ ]	[ ]
700	UJA29-016	UJA29-016	Wall	Steel	[ ]	[ ]
701	UJA29-016	UJA29-016	Wall	Steel	[ ]	[ ]
702	UJA29-014	UJA29-014	Wall	Steel	[ ]	[ ]
703	UJA29-023	UJA29-023	Wall	Steel	[ ]	[ ]
704	UJA34-014	UJA34-014	Wall	Steel	[ ]	[ ]
705	UJA34-014	UJA34-014	Wall	Steel	[ ]	[ ]
706	UJA34-006	UJA34-006	Wall	Steel	[ ]	[ ]
707	UJA34-007	UJA34-007	Wall	Steel	[ ]	[ ]
708	UJA34-008	UJA34-008	Wall	Steel	[ ]	[ ]
709	UJA34-003	UJA34-003	Wall	Steel	[ ]	[ ]
710	UJA34-004	UJA34-004	Wall	Steel	[ ]	[ ]
711	UJA34-005	UJA34-005	Wall	Steel	[ ]	[ ]
712	UJA34-007	UJA34-007	Wall	Steel	[ ]	[ ]
713	UJA34-008	UJA34-008	Wall	Steel	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data
(26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
714	UJA34-003	UJA34-003	Wall	Steel	[ ]	[ ]
715	UJA34-004	UJA34-004	Wall	Steel	[ ]	[ ]
716	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
717	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
718	UJA34-104	UJA34-104	Wall	Steel	[ ]	[ ]
719	UJA34-104	UJA34-104	Wall	Steel	[ ]	[ ]
720	UJA34-108	UJA34-108	Wall	Steel	[ ]	[ ]
721	UJA34-108	UJA34-108	Wall	Steel	[ ]	[ ]
722	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
723	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
724	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
725	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
726	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
727	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
728	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
729	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
730	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
731	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
732	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
733	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
734	UJA04-006	UJA04-006	Wall	Steel	[ ]	[ ]
735	UJA04-005	UJA04-005	Wall	Steel	[ ]	[ ]
736	UJA04-003	UJA04-003	Wall	Steel	[ ]	[ ]
737	UJA04-003	UJA04-003	Wall	Steel	[ ]	[ ]
738	UJA07-019	UJA07-019	Wall	Steel	[ ]	[ ]
739	UJA07-013	UJA07-013	Wall	Steel	[ ]	[ ]
740	UJA07-015	UJA07-015	Wall	Steel	[ ]	[ ]
741	UJA07-015	UJA07-015	Wall	Steel	[ ]	[ ]
742	UJA07-016	UJA07-016	Wall	Steel	[ ]	[ ]
743	UJA07-016	UJA07-016	Wall	Steel	[ ]	[ ]
744	UJA07-014	UJA07-014	Wall	Steel	[ ]	[ ]
745	UJA07-014	UJA07-014	Wall	Steel	[ ]	[ ]
746	UJA07-013	UJA07-013	Wall	Steel	[ ]	[ ]
747	UJA15-006	UJA15-006	Wall	Steel	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
748	UJA15-009	UJA15-009	Wall	Steel	[ ]	[ ]
749	UJA15-002	UJA15-002	Wall	Steel	[ ]	[ ]
750	UJA15-005	UJA15-005	Wall	Steel	[ ]	[ ]
751	UJA11-020	UJA11-020	Wall	Steel	[ ]	[ ]
752	UJA11-015	UJA11-015	Wall	Steel	[ ]	[ ]
753	UJA11-016	UJA11-016	Wall	Steel	[ ]	[ ]
754	UJA11-016	UJA11-016	Wall	Steel	[ ]	[ ]
755	UJA11-013	UJA11-013	Wall	Steel	[ ]	[ ]
756	UJA11-013	UJA11-013	Wall	Steel	[ ]	[ ]
757	UJA11-014	UJA11-014	Wall	Steel	[ ]	[ ]
758	UJA11-020	UJA11-020	Wall	Steel	[ ]	[ ]
759	UJA15-007	UJA15-007	Wall	Steel	[ ]	[ ]
760	UJA15-008	UJA15-008	Wall	Steel	[ ]	[ ]
761	UJA15-003	UJA15-003	Wall	Steel	[ ]	[ ]
762	UJA15-004	UJA15-004	Wall	Steel	[ ]	[ ]
763	UJA15-018	UJA15-018	Wall	Steel	[ ]	[ ]
764	UJA15-019	UJA15-019	Wall	Steel	[ ]	[ ]
765	UJA18-006	UJA18-006	Wall	Steel	[ ]	[ ]
766	UJA18-009	UJA18-009	Wall	Steel	[ ]	[ ]
767	UJA18-002	UJA18-002	Wall	Steel	[ ]	[ ]
768	UJA18-005	UJA18-005	Wall	Steel	[ ]	[ ]
769	UJA15-015	UJA15-015	Wall	Steel	[ ]	[ ]
770	UJA15-015	UJA15-015	Wall	Steel	[ ]	[ ]
771	UJA15-016	UJA15-016	Wall	Steel	[ ]	[ ]
772	UJA15-016	UJA15-016	Wall	Steel	[ ]	[ ]
773	UJA15-013	UJA15-013	Wall	Steel	[ ]	[ ]
774	UJA15-013	UJA15-013	Wall	Steel	[ ]	[ ]
775	UJA15-014	UJA15-014	Wall	Steel	[ ]	[ ]
776	UJA15-014	UJA15-014	Wall	Steel	[ ]	[ ]
777	UJA18-015	UJA18-015	Wall	Steel	[ ]	[ ]
778	UJA18-016	UJA18-016	Wall	Steel	[ ]	[ ]
779	UJA18-013	UJA18-013	Wall	Steel	[ ]	[ ]
780	UJA18-014	UJA18-014	Wall	Steel	[ ]	[ ]
781	UJA18-007	UJA18-007	Wall	Steel	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
782	UJA18-008	UJA18-008	Wall	Steel	[ ]	[ ]
783	UJA18-003	UJA18-003	Wall	Steel	[ ]	[ ]
784	UJA18-004	UJA18-004	Wall	Steel	[ ]	[ ]
785	UJA18-006	UJA18-006	Wall	Steel	[ ]	[ ]
786	UJA18-009	UJA18-009	Wall	Steel	[ ]	[ ]
787	UJA18-002	UJA18-002	Wall	Steel	[ ]	[ ]
788	UJA18-005	UJA18-005	Wall	Steel	[ ]	[ ]
789	UJA18-015	UJA18-015	Wall	Steel	[ ]	[ ]
790	UJA18-015	UJA18-015	Wall	Steel	[ ]	[ ]
791	UJA18-016	UJA18-016	Wall	Steel	[ ]	[ ]
792	UJA18-016	UJA18-016	Wall	Steel	[ ]	[ ]
793	UJA18-013	UJA18-013	Wall	Steel	[ ]	[ ]
794	UJA18-013	UJA18-013	Wall	Steel	[ ]	[ ]
795	UJA18-014	UJA18-014	Wall	Steel	[ ]	[ ]
796	UJA18-014	UJA18-014	Wall	Steel	[ ]	[ ]
797	UJA23-006	UJA23-006	Wall	Steel	[ ]	[ ]
798	UJA23-007	UJA23-007	Wall	Steel	[ ]	[ ]
799	UJA23-008	UJA23-008	Wall	Steel	[ ]	[ ]
800	UJA23-009	UJA23-009	Wall	Steel	[ ]	[ ]
801	UJA23-002	UJA23-002	Wall	Steel	[ ]	[ ]
802	UJA23-003	UJA23-003	Wall	Steel	[ ]	[ ]
803	UJA23-004	UJA23-004	Wall	Steel	[ ]	[ ]
804	UJA23-005	UJA23-005	Wall	Steel	[ ]	[ ]
805	UJA23-019	UJA23-019	Wall	Steel	[ ]	[ ]
806	UJA23-015	UJA23-015	Wall	Steel	[ ]	[ ]
807	UJA23-015	UJA23-015	Wall	Steel	[ ]	[ ]
808	UJA23-016	UJA23-016	Wall	Steel	[ ]	[ ]
809	UJA23-016	UJA23-016	Wall	Steel	[ ]	[ ]
810	UJA23-013	UJA23-013	Wall	Steel	[ ]	[ ]
811	UJA23-013	UJA23-013	Wall	Steel	[ ]	[ ]
812	UJA23-014	UJA23-014	Wall	Steel	[ ]	[ ]
813	UJA23-014	UJA23-014	Wall	Steel	[ ]	[ ]
814	UJA29-006	UJA29-006	Wall	Steel	[ ]	[ ]
815	UJA29-007	UJA29-007	Wall	Steel	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
816	UJA29-008	UJA29-008	Wall	Steel	[ ]	[ ]
817	UJA29-003	UJA29-003	Wall	Steel	[ ]	[ ]
818	UJA29-004	UJA29-004	Wall	Steel	[ ]	[ ]
819	UJA29-005	UJA29-005	Wall	Steel	[ ]	[ ]
820	UJA29-015	UJA29-015	Wall	Steel	[ ]	[ ]
821	UJA29-015	UJA29-015	Wall	Steel	[ ]	[ ]
822	UJA29-016	UJA29-016	Wall	Steel	[ ]	[ ]
823	UJA29-016	UJA29-016	Wall	Steel	[ ]	[ ]
824	UJA29-014	UJA29-014	Wall	Steel	[ ]	[ ]
825	UJA29-023	UJA29-023	Wall	Steel	[ ]	[ ]
826	UJA34-014	UJA34-014	Wall	Steel	[ ]	[ ]
827	UJA34-014	UJA34-014	Wall	Steel	[ ]	[ ]
828	UJA34-006	UJA34-006	Wall	Steel	[ ]	[ ]
829	UJA34-007	UJA34-007	Wall	Steel	[ ]	[ ]
830	UJA34-008	UJA34-008	Wall	Steel	[ ]	[ ]
831	UJA34-003	UJA34-003	Wall	Steel	[ ]	[ ]
832	UJA34-004	UJA34-004	Wall	Steel	[ ]	[ ]
833	UJA34-005	UJA34-005	Wall	Steel	[ ]	[ ]
834	UJA34-007	UJA34-007	Wall	Steel	[ ]	[ ]
835	UJA34-008	UJA34-008	Wall	Steel	[ ]	[ ]
836	UJA34-003	UJA34-003	Wall	Steel	[ ]	[ ]
837	UJA34-004	UJA34-004	Wall	Steel	[ ]	[ ]
838	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
839	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
840	UJA34-104	UJA34-104	Wall	Steel	[ ]	[ ]
841	UJA34-104	UJA34-104	Wall	Steel	[ ]	[ ]
842	UJA34-108	UJA34-108	Wall	Steel	[ ]	[ ]
843	UJA34-108	UJA34-108	Wall	Steel	[ ]	[ ]
844	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
845	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
846	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
847	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
848	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
849	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]

Table 19-242-1—Revised Heat Sink Data (26 Sheets)

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Thickness (m)
850	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
851	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
852	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
853	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
854	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
855	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]
856	UJAGROUND	UJA04-002	Floor	Concrete	[ ]	[ ]
857	UJAGROUND	UJA04-003	Floor	Concrete	[ ]	[ ]
858	UJAGROUND	UJA07-013	Floor	Concrete	[ ]	[ ]
859	UJAGROUND	UJA07-014	Floor	Concrete	[ ]	[ ]
860	UJAGROUND	UJA07-015	Floor	Concrete	[ ]	[ ]
861	UJAGROUND	UJA07-016	Floor	Concrete	[ ]	[ ]
862	UJA04-003	UJA11-003	Floor	Concrete	[ ]	[ ]
863	UJA04-003	UJA11-004	Floor	Concrete	[ ]	[ ]
864	UJA04-003	UJA11-005	Floor	Concrete	[ ]	[ ]
865	UJA04-003	UJA11-006	Floor	Concrete	[ ]	[ ]
866	UJA04-003	UJA11-007	Floor	Concrete	[ ]	[ ]
867	UJA04-003	UJA11-008	Floor	Concrete	[ ]	[ ]
868	UJAGROUND	UJA11-012	Floor	Concrete	[ ]	[ ]

Table 19-242-2—Additional Heat Sink Data

HS No.	From Room	To Room	Orientation	Material	Surface Area (m^2)	Elevation (m)	Height (m)	Length (m)	Thickness (m)
869	UJA40-001	UJANNULUS	Wall	Liner	[ ]	[ ]	[ ]	[ ]	[ ]
870	UJA40-001	UJANNULUS	Floor	Liner	[ ]	[ ]	[ ]	[ ]	[ ]
871	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]	[ ]	[ ]	[ ]
872	UJA40-001	UJA40-001	Wall	Steel	[ ]	[ ]	[ ]	[ ]	[ ]
873	UJA11-001	UJA04-002	Floor	Concrete	[ ]	[ ]	[ ]	[ ]	[ ]
874	UJANNULUS	UJA11-001	Wall	Liner	[ ]	[ ]	[ ]	[ ]	[ ]
875	UJAGROUND	UJA11-001	Floor	Liner	[ ]	[ ]	[ ]	[ ]	[ ]
876	UJAGROUND	Cooling Channel	Floor	Concrete	[ ]	[ ]	[ ]	[ ]	[ ]