Rancho Seco

Final Status Survey Summary Report

October 24, 2007

Aux. Bldg (-) 20' El., Rm 43, "B" HPI Pump Room, Upper Walls & Ceiling

Survey Unit F8130611

Prepared By: D. Anderson **Date:** 10/24/2007

FSS Engineer

Reviewed By: [signature] **Date:** 10/24/07

Lead FSS Engineer

Approved By: [signature] **Date:** 11-14-07

Dismantlement Superintendent, Radiological

FINAL STATUS SURVEY SUMMARY REPORT

Survey Unit:

F8130611, Aux. Bldg (-) 20' El., Rm 43, "B" HPI Pump Room, Upper Walls & Ceiling

Survey Unit Description:

Operating History: The reinforced concrete structure contained the RadWaste processing and supporting systems. The building contained six main elevations. Residual radioactive material was known to be present on all levels of the interior of the building. Operating records and the HSA document several events with the potential for a release of radioactivity inside this structure. One report documented contamination of the auxiliary building roof. The roof was later replaced.

Site Characterization: Direct measurements were made of each of the interior elevation surfaces as well as the exterior surfaces of the structure. These measurements confirmed the presence of plant-derived radionuclides. Direct measurements on the –47' elevation showed a mean gross activity level of 320,071 dpm/100 cm^2 and a maximum value of 5,720,000 dpm/100 cm^2. Direct measurements on the –29' elevation showed a mean gross activity level of 544,756 dpm/100 cm^2 and a maximum value of 11,370,000 dpm/100 cm^2. Direct measurements on the –20' elevation showed a mean gross activity level of 247,831 dpm/100 cm^2 and a maximum value of 10,080,000 dpm/100 cm^2. Direct measurements on the grade elevation showed a mean gross activity level of 373,758 dpm/100 cm^2 and a maximum value of 5,800,000 dpm/100 cm^2. Direct measurements on the +20' elevation showed a mean gross activity level of 85,408 dpm/100 cm^2 and a maximum value of 1,900,000 dpm/100 cm^2. Direct measurements on the +40' elevation showed a mean gross activity level of 3,288 dpm/100 cm^2 and a maximum value of 24,781 dpm/100 cm^2. Direct measurements on the building exterior, including the mezzanine roof, showed a mean gross activity level of 1,897 dpm/100 cm^2 and a maximum value of 2,990 dpm/100 cm^2. (The roof had been replaced prior to the classification survey.) Based on the classification procedure (DSIP-0020) and levels of gross activity reported, the interior of the auxiliary building was determined to be a Class 1, 2 area and the exterior was a Class 2,3.

HSA Events: HSA Report pg. 63.

Survey Unit Design Information:

The Survey Unit Design Parameters are presented in Table 1 below. The survey unit and measurement locations are depicted on the maps in Attachment 1. Direct measurement locations were determined using a random-start, fixed grid pattern and 76 m^2 were scanned for approximately 45% coverage. Samples of removable contamination were collected at each direct measurement location. The instrumentation used for the survey along with the MDC values are listed in Tables 2-1 and 2-2 in Attachment 2.

Table 1. Survey Unit Design Parameters

Survey Design Parameter	Value	Comment
Survey Area:	F813	Aux. Bldg (-) 20' El., Rm 43, "B" HPI Pump Room, Upper Walls & Ceiling
Survey Unit:	0611	Structure Surface
Class:	2	LTP Table 5-4
SU Area (m^2)**:**	167.15	
Evaluator:	D. Anderson	
DCGL (dpm/100 cm^2)**:**	43,000	Gross Activity DCGL
Area Factor:	N/A	Class 2
Design DCGLemc (dpm/100 cm^2)**:**	N/A	Class 2
LBGR (dpm/100 cm^2)**:**	30,277	Adjusted
Design Sigma (dpm/100 cm^2)**:**	4,241	
Type I Error:	0.05	
Type II Error:	0.05	
Predominant Nuclide:	Cs-137	
Sample Area (m^2)**:**	11.94	Class 2
Scan Area (m^2)**:**	76	
Scan Coverage (%):	45%	Class 2
$Z_{1-\alpha}$ **:**	1.645	
$Z_{1-\beta}$ **:**	1.645	
Sign P:	0.99865	
Calculated Relative Shift:	3	
Relative Shift Used:	3	Uses 3.0 if Relative Shift is >3
N-Value:	11	
Design N-Value + 20%:	14	NUREG-1575 Table 5-5
Design Min Samples N:	14	Class 2
Grid Spacing L:	3.5	Class 2

Survey Results:

A total of 14 direct measurements were made in F8130611. The results including mean, median, standard deviation and range are shown in Table 2. All direct measurements were less than the DCGL. None of the scan measurements indicated areas of elevated activity. (Scan activity ranged from 2,188 dpm/100 cm^2 to 17,489 dpm/100 cm^2 for ceiling, upper wall and juncture surfaces, based on a surveyor efficiency of 0.5 with no background subtracted.) Samples for removable surface activity were all less than 10% of the DCGL as shown in Table 3. Removable surface activity samples were counted for alpha activity and none was detected at the MDC shown in Table 2-1 of Attachment 2.

Table 2. Direct Measurement Results

Measurement ID	Gross Activity (dpm/100 cm^2)
F8130611-C0001BD	1,136
F8130611-C0002BD	1,162
F8130611-C0003BD	1,302
F8130611-C0004BD	1,120
F8130611-C0005BD	1,473
F8130611-C0006BD	1,188
F8130611-C0007BD	1,312
F8130611-C0008BD	3,118
F8130611-C0009BD	2,308
F8130611-C0010BD	1,297
F8130611-C0011BD	1,302
F8130611-C0012BD	1,255
F8130611-C0013BD	1,966
F8130611-C0014BD	1,354
Mean:	1,521
Median:	1,302
Standard Deviation:	569
Range:	1,120 – 3,118

Table 3. Removable Surface Activity Results

Measurement ID	Surface Beta Activity (dpm/100 cm^2)
F8130611C0001SM	3.58
F8130611C0002SM	4.86
F8130611C0003SM	9.98
F8130611C0004SM	7.42
F8130611C0005SM	3.58
F8130611C0006SM	4.86
F8130611C0007SM	1.01
F8130611C0008SM	4.86
F8130611C0009SM	4.86
F8130611C0010SM	6.14
F8130611C0011SM	7.42
F8130611C0012SM	4.86
F8130611C0013SM	22.8
F8130611C0014SM	3.58
Mean:	6.41
Median:	4.86
Standard Deviation:	5.18
Range:	1.01 to 22.8

Survey Unit Data Assessment:

The survey design required 14 direct measurements for the Sign Test. The critical value and the results of the Sign Test are presented in Table 4. The sample mean and median values were less than the DCGL. The sample standard deviation was less than the design standard deviation so no additional samples were required.

Table 4. Data Assessment Results

Survey Results Parameter	Value	Comment
Material Background Used (dpm/100 cm²):	N/A	
Ambient Background Used (dpm/100 cm²):	N/A	Average Ambient BKG = 0
Actual Direct Measurements (N):	14	
Median (dpm/100 cm²):	1,302	
Mean (dpm/100 cm²):	1,521	
Direct Measurement Standard Deviation (dpm/100 cm²):	569	
Total Standard Deviation (dpm/100 cm²):	569	Based on samples and backgrounds.
Maximum (dpm/100 cm²):	3,118	
Material Type:	N/A	Background Subtract Not Applied
Sign Test Final N Value:	14	
S+ Value:	14	
Critical Value:	10	
Sufficient Samples Collected:	Yes	
Maximum Value < DCGL:	Yes	
Median Value < DCGL:	Yes	
Mean Value < DCGL:	Yes	
Maximum Value < DCGLemc:	N/A	Class 2
Total Standard Deviation <= Sigma:	Yes	
Pass the Sign Test?	Yes	
Reject the Null Hypothesis?	Yes	
Does the Survey Unit Pass All Criteria?	Yes	

Survey Unit Investigations and Results:

No investigations were required for either direct or scan measurements and no investigation results are reported.

ALARA Statement:

As stated in Chapter 4 of the LTP, as long as the residual activity within the survey unit is less than the DCGL (i.e. the survey unit average activity is less than the DCGL and the EMC criterion has been met), the ALARA criterion has been met.

Changes in Initial Survey Unit Assumptions:

The survey unit was designed as a Class 2 structure survey and the sample results are consistent with that classification. The variability of the survey results was less than the characterization data used for survey design. No potential areas of elevated activity were detected.

Conclusion:

The FSS of this survey unit was properly designed as a Class 2 survey based on Table 5-4 of the LTP. The required number of direct measurements was made and the scan coverage met the requirement of Table 5-6 of the LTP. No direct measurements exceeded the DCGL of 43,000 dpm/100 cm^2 and none of the removable surface activity measurements exceeded 10% of the DCGL. No investigations were required.

The direct measurement data support rejection of the null hypothesis, providing high confidence that the survey unit satisfied the release criteria and that the data quality objectives were met.

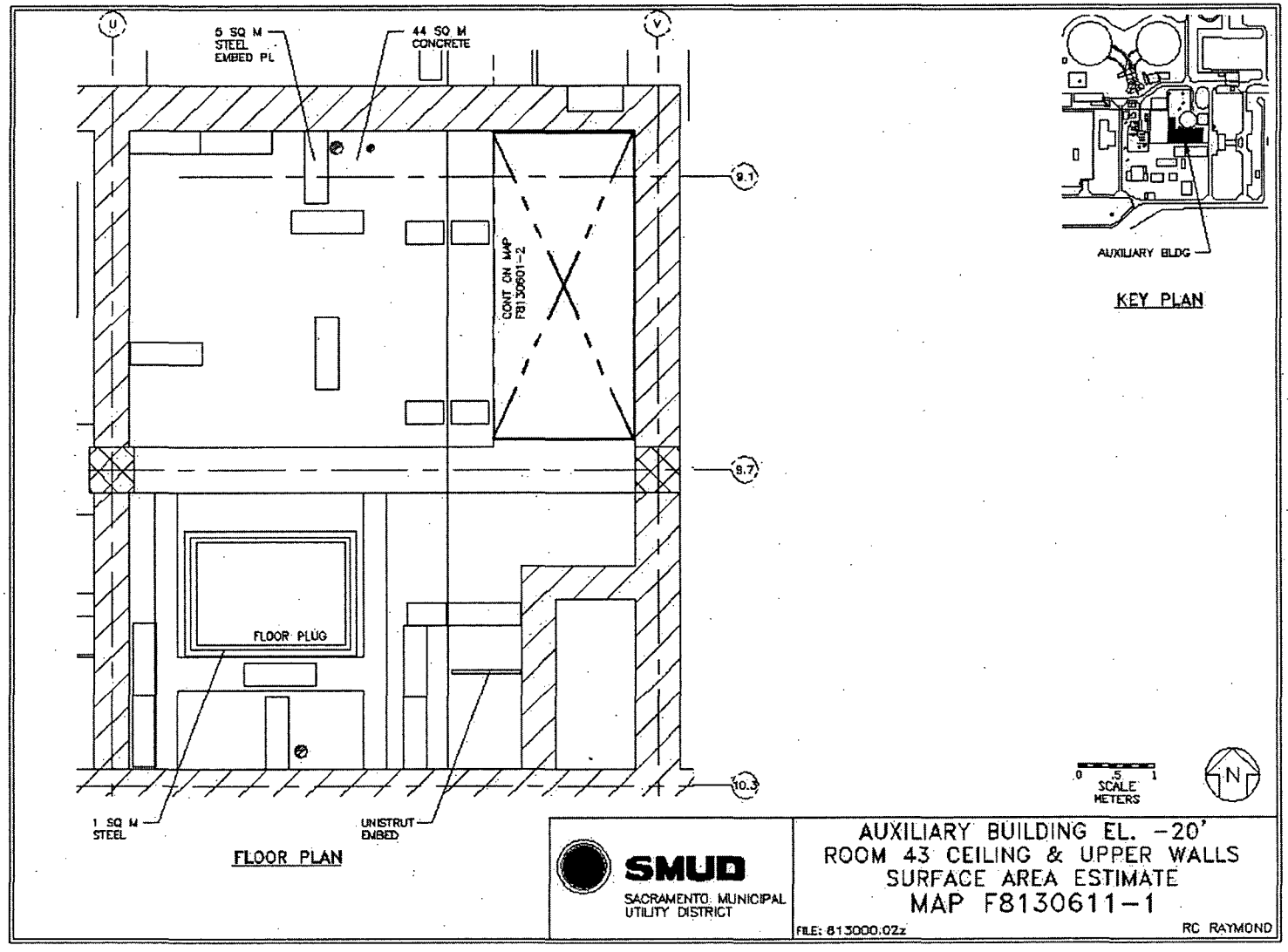
It is concluded that survey unit F8130611 meets the release criteria of 10CFR20.1402.

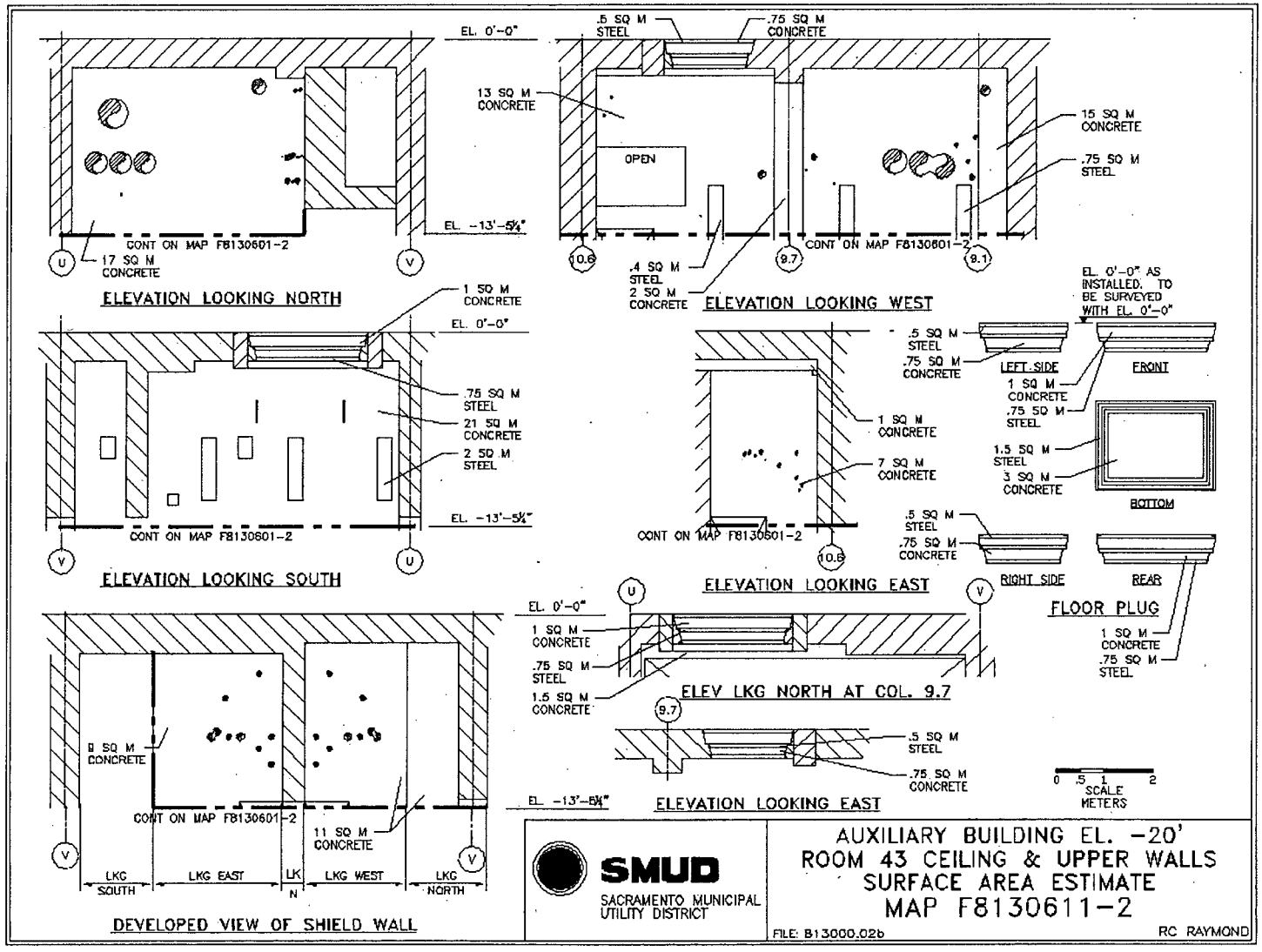
Attachment 1

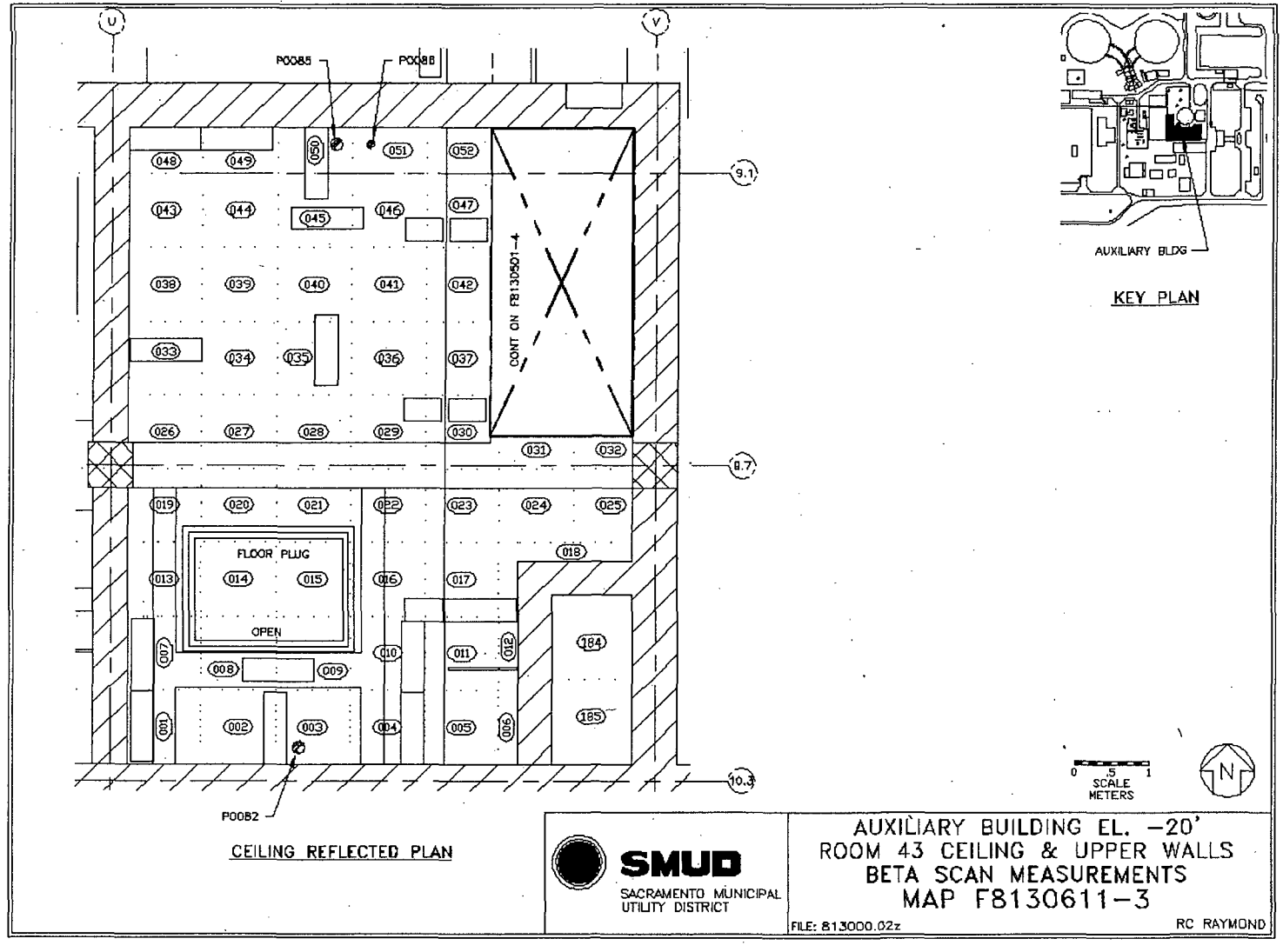
Maps

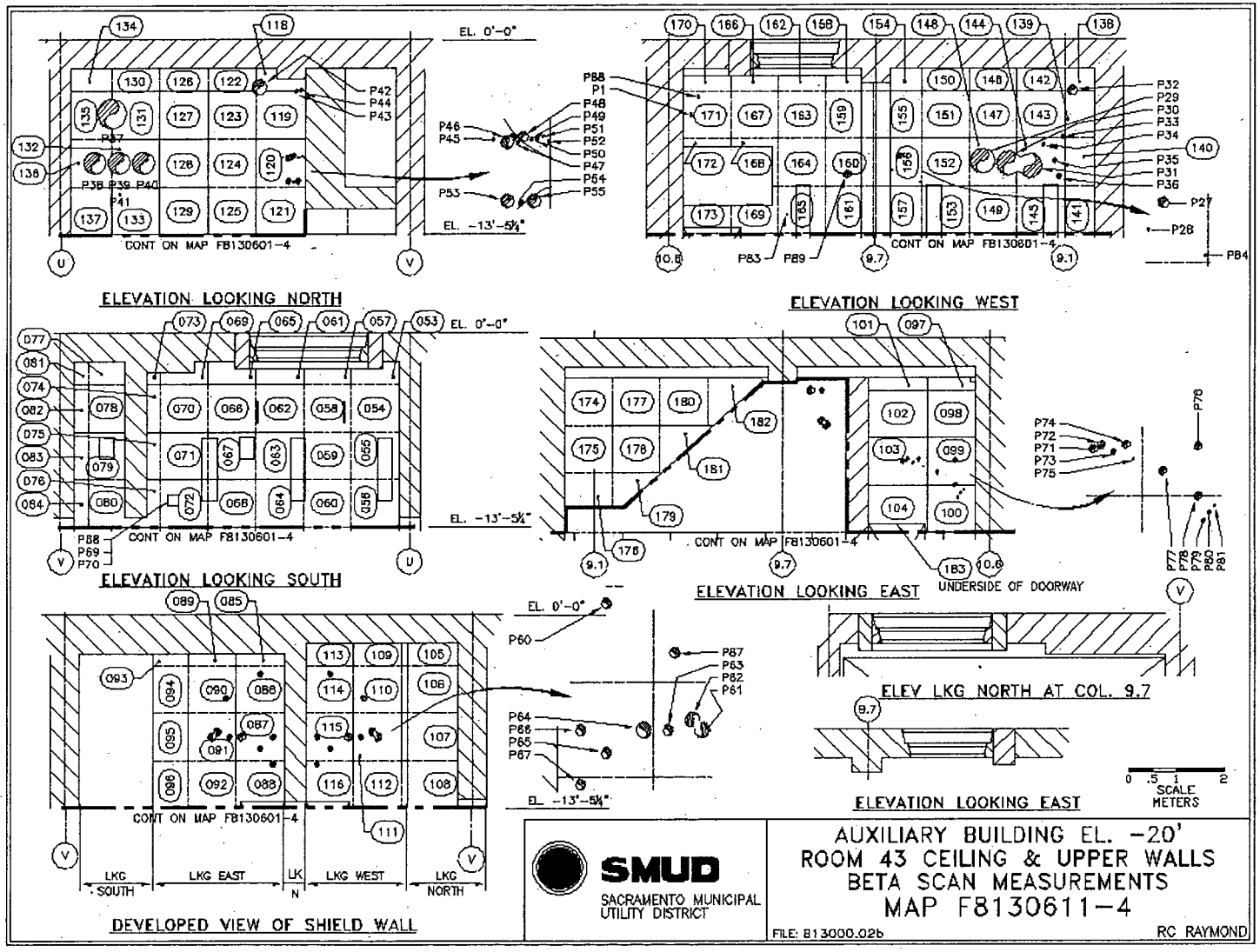
October 24, 2007

Survey Unit F8130611


U
V
6 SQ M
STEEL
EMBED PL
44 SQ M
CONCRETE
9.1
9.7
10.3
CONT ON MAP
F8130601-2
FLOOR PLUG
1 SQ M
STEEL
UNISTRUT
EMBED
FLOOR PLAN
AUXILIARY BLDG
KEY PLAN
0
.5
1
SCALE
METERS
N
SMUD
SACRAMENTO MUNICIPAL
UTILITY DISTRICT
AUXILIARY BUILDING EL. -20'
ROOM 43 CEILING & UPPER WALLS
SURFACE AREA ESTIMATE
MAP F8130611-1
FILE: 813000.02z
RC RAYMOND


EL. 0'-0"
13 SQ M CONCRETE
CONT ON MAP F8130601-2
17 SQ M CONCRETE
U
V
ELEVATION LOOKING NORTH
.5 SQ M STEEL
.75 SQ M CONCRETE
OPEN
15 SQ M CONCRETE
.75 SQ M STEEL
10.6
9.7
9.1
CONT ON MAP F8130601-2
.4 SQ M STEEL
2 SQ M CONCRETE
ELEVATION LOOKING WEST
1 SQ M CONCRETE
EL. 0'-0"
.75 SQ M STEEL
21 SQ M CONCRETE
2 SQ M STEEL
EL. -13'-5¼"
CONT ON MAP F8130601-2
ELEVATION LOOKING SOUTH
EL. 0'-0" AS INSTALLED. TO BE SURVEYED WITH EL. 0'-0"
.5 SQ M STEEL
.75 SQ M CONCRETE
LEFT SIDE
FRONT
1 SQ M CONCRETE
.75 SQ M STEEL
1.5 SQ M STEEL
3 SQ M CONCRETE
BOTTOM
1 SQ M CONCRETE
7 SQ M CONCRETE
CONT ON MAP F8130601-2
10.6
.5 SQ M STEEL
.75 SQ M CONCRETE
RIGHT SIDE
REAR
ELEVATION LOOKING EAST
FLOOR PLUG
1 SQ M CONCRETE
.75 SQ M STEEL
EL. 0'-0"
1 SQ M CONCRETE
.75 SQ M STEEL
1.5 SQ M CONCRETE
ELEV LKG NORTH AT COL. 9.7
9.7
.5 SQ M STEEL
.75 SQ M CONCRETE
EL. -13'-5¼"
ELEVATION LOOKING EAST
0 .5 1 2
SCALE METERS
8 SQ M CONCRETE
CONT ON MAP F8130601-2
11 SQ M CONCRETE
LKG SOUTH
LKG EAST
LK
LKG WEST
LKG NORTH
N
DEVELOPED VIEW OF SHIELD WALL
SMUD
SACRAMENTO MUNICIPAL UTILITY DISTRICT
AUXILIARY BUILDING EL. -20'
ROOM 43 CEILING & UPPER WALLS
SURFACE AREA ESTIMATE
MAP F8130611-2
FILE: B13000.02b
RC RAYMOND

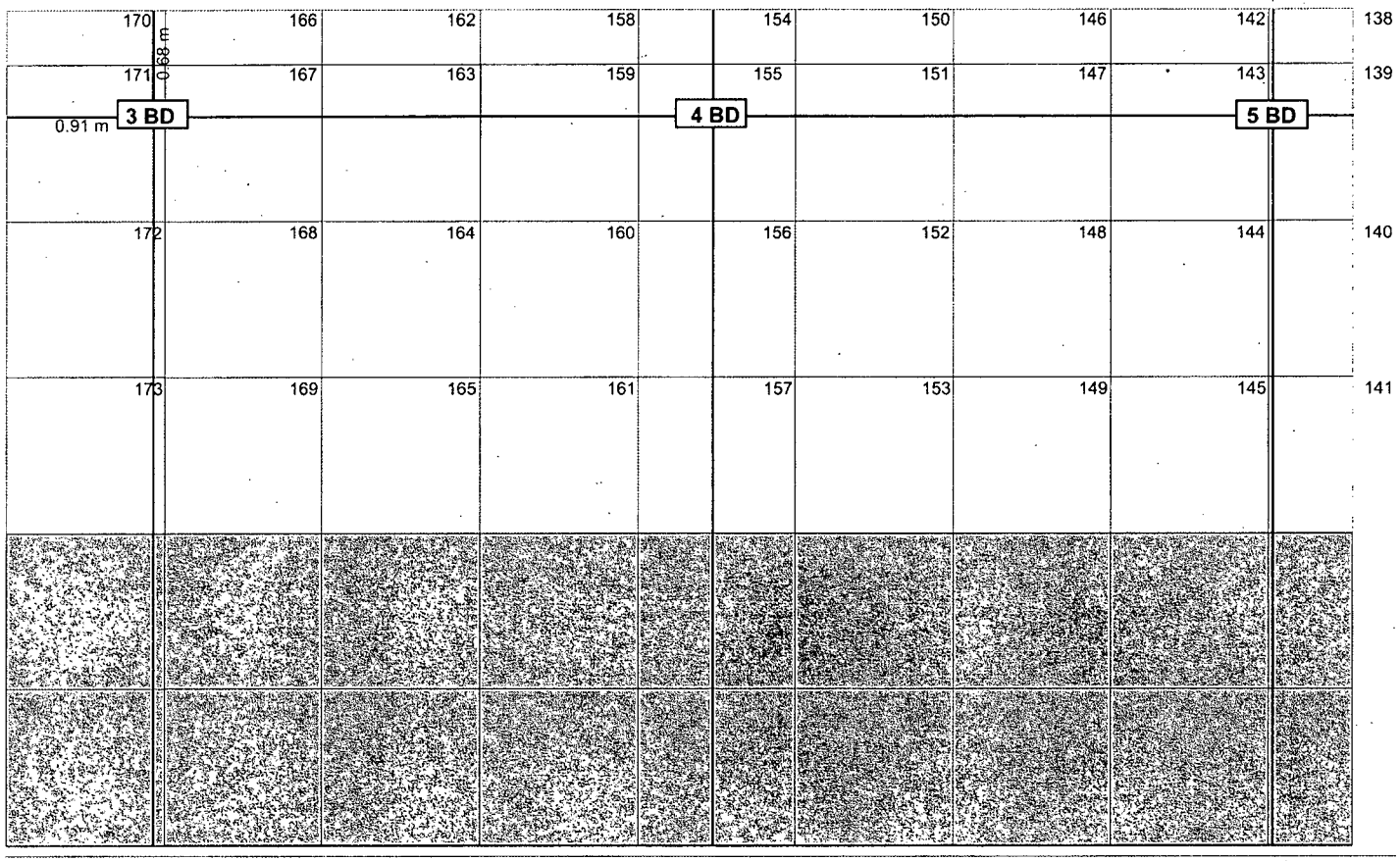

P0085
P0088
P0082
CONT ON F8130501-4
FLOOR PLUG
OPEN
AUXILIARY BLDG
KEY PLAN
SCALE METERS
CEILING REFLECTED PLAN
SMUD
SACRAMENTO MUNICIPAL UTILITY DISTRICT
AUXILIARY BUILDING EL. -20'
ROOM 43 CEILING & UPPER WALLS
BETA SCAN MEASUREMENTS
MAP F8130611-3
FILE: 813000.02z
RC RAYMOND


ELEVATION LOOKING NORTH
ELEVATION LOOKING WEST
ELEVATION LOOKING SOUTH
ELEVATION LOOKING EAST
UNDERSIDE OF DOORWAY
ELEV LKG NORTH AT COL. 9.7
ELEVATION LOOKING EAST
DEVELOPED VIEW OF SHIELD WALL
CONT ON MAP F8130601-4
EL. 0'-0"
EL. -13'-5¼"
LKG SOUTH
LKG EAST
LK N
LKG WEST
LKG NORTH
SCALE METERS
SMUD
SACRAMENTO MUNICIPAL UTILITY DISTRICT
AUXILIARY BUILDING EL. -20'
ROOM 43 CEILING & UPPER WALLS
BETA SCAN MEASUREMENTS
MAP F8130611-4
FILE: 813000.026
RC RAYMOND

ELEVATION LOOKING NORTH
ELEVATION LOOKING WEST
ELEV LKG NORTH AT COL. 9.7
ELEVATION LOOKING EAST
ELEVATION LOOKING SOUTH
CEILING PLUG
LOOKING UP
F8120601-2
ELEVATION LOOKING EAST
CEILING REFLECTED PLAN
DEVELOPED VIEW OF SHIELD WALL
SMUD
SACRAMENTO MUNICIPAL UTILITY DISTRICT
AUXILIARY BUILDING EL. -20'
ROOM 43 CEILING & UPPER WALLS
RANDOM START LOCATION
MAP F8130611-5
FILE: B13000.02b
RC: RAYMOND

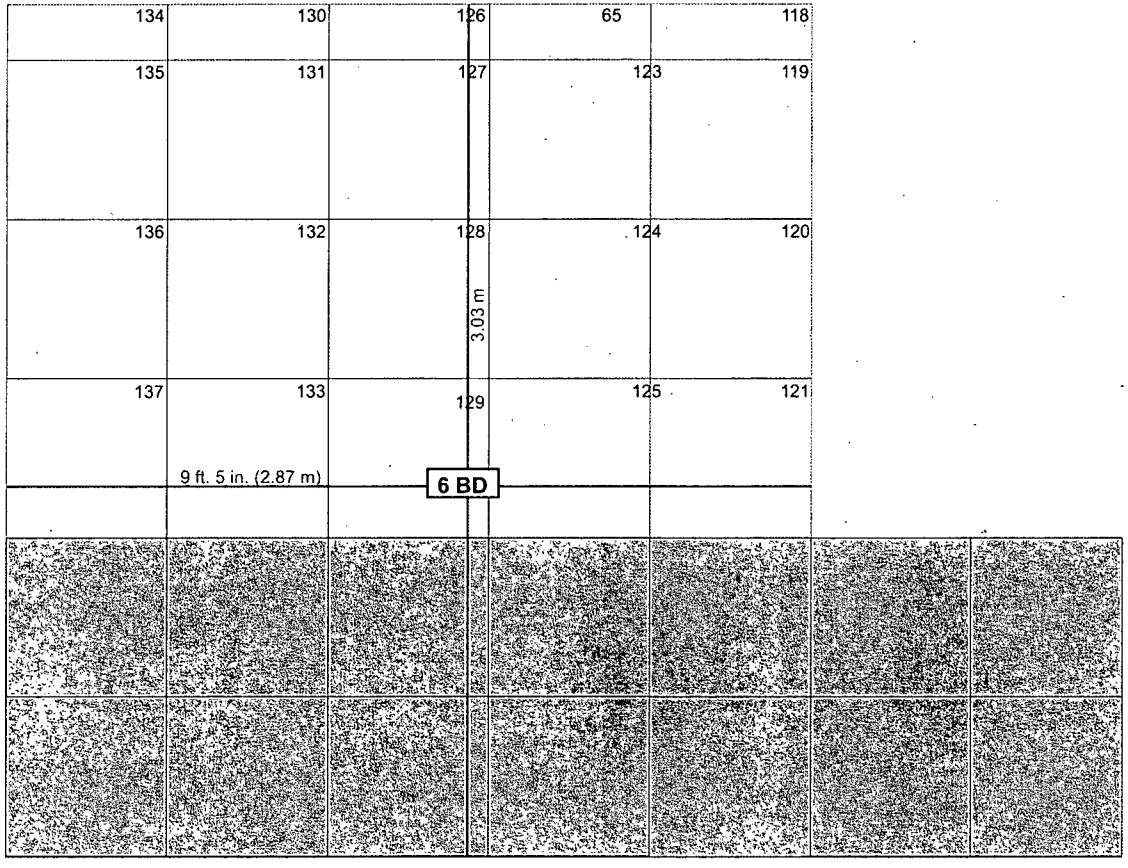
Rm 43, South Wall

Map F8130611-6, Auxiliary Building -20' El
Rm 43, "B" HPI Pump Room (3.55 m grid spacing)
South Wall Beta Direct Measurements
F8130601C0001BD to F8130601C0002BD



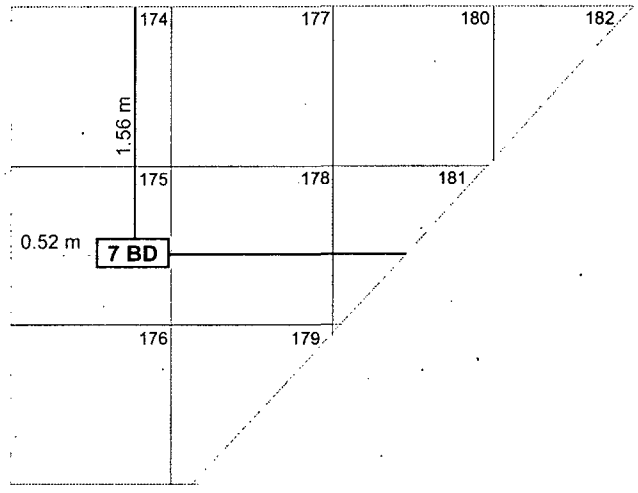
Rm 43, West Wall

Map F8130611-7, Auxiliary Building -20' El
Rm 43, "B" HPI Pump Room (3.55 m grid spacing)
West Wall Beta Direct Measurements
F8130601C0003BD to F8130601C0005BD



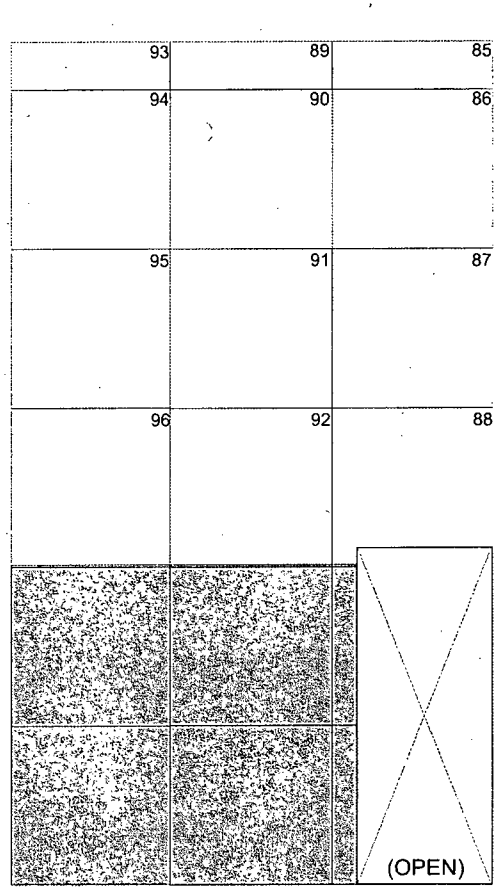
Rm 43, North Wall

Map F8130611-8, Auxiliary Building -20' El
Rm 43, "B" HPI Pump Room (3.55 m grid spacing)
North Wall Beta Direct Measurement
F8130601C0006BD

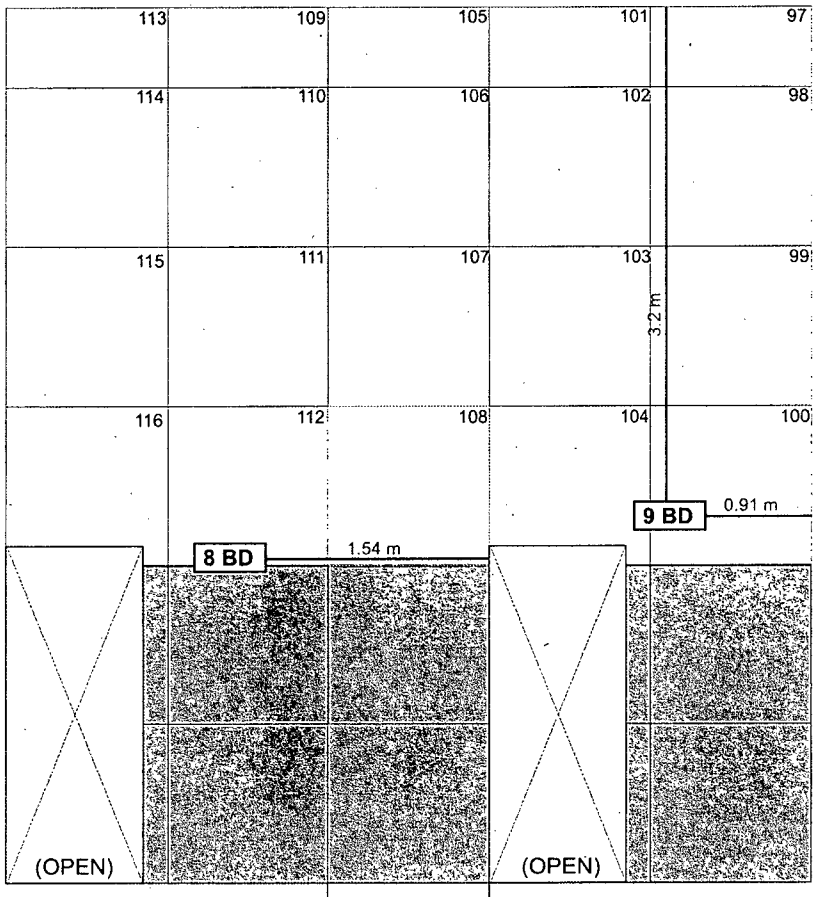


Rm 43, East Stairwell Wall

Map F8130611-9, Auxiliary Building -20' El
Rm 43, "B" HPI Pump Room (3.55 m grid spacing)
East Stairwell Wall Beta Direct Measurement
F8130601C0007BD



Rm 43, East Shield Wall (Exterior)

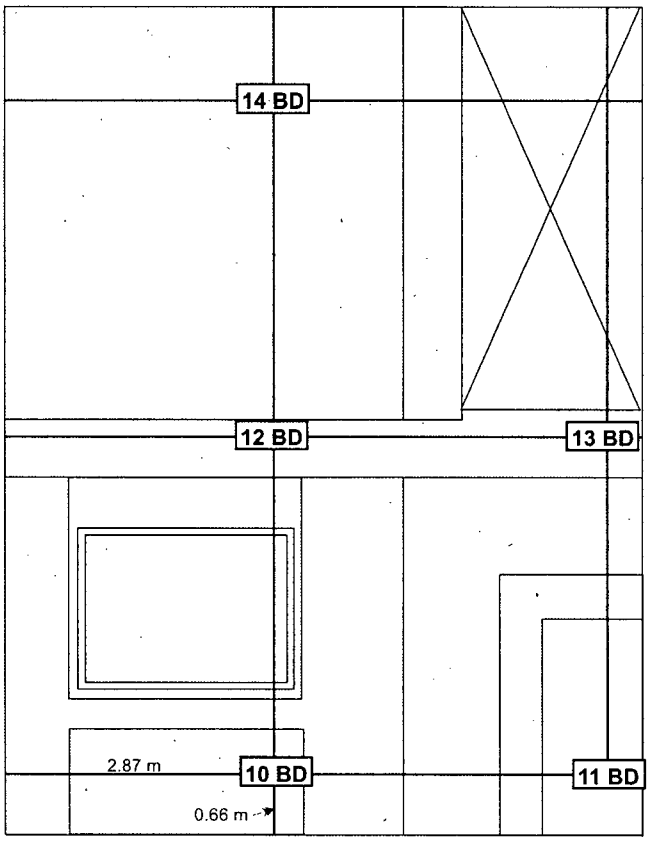


Rm 43, Interior Shield Wall, Looking West

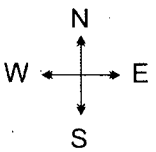
Rm 43, Interior Shield Wall, Looking North

Rm 43, Interior Shield Wall, Looking East

Map F8130611-10, Auxiliary Building -20' El
Rm 43, "B" HPI Pump Room (3.55 m grid spacing)
Exterior and Interior Shield Wall Beta Direct Measurements
F8130601C0008BD to F8130601C0009BD



Rm 43, Ceiling



Map F8130611-11, Auxiliary Building -20' El
Rm 43, "B" HPI Pump Room (3.55 m grid spacing)
Ceiling Beta Direct Measurements
F8130601C0010BD to F8130601C0014BD

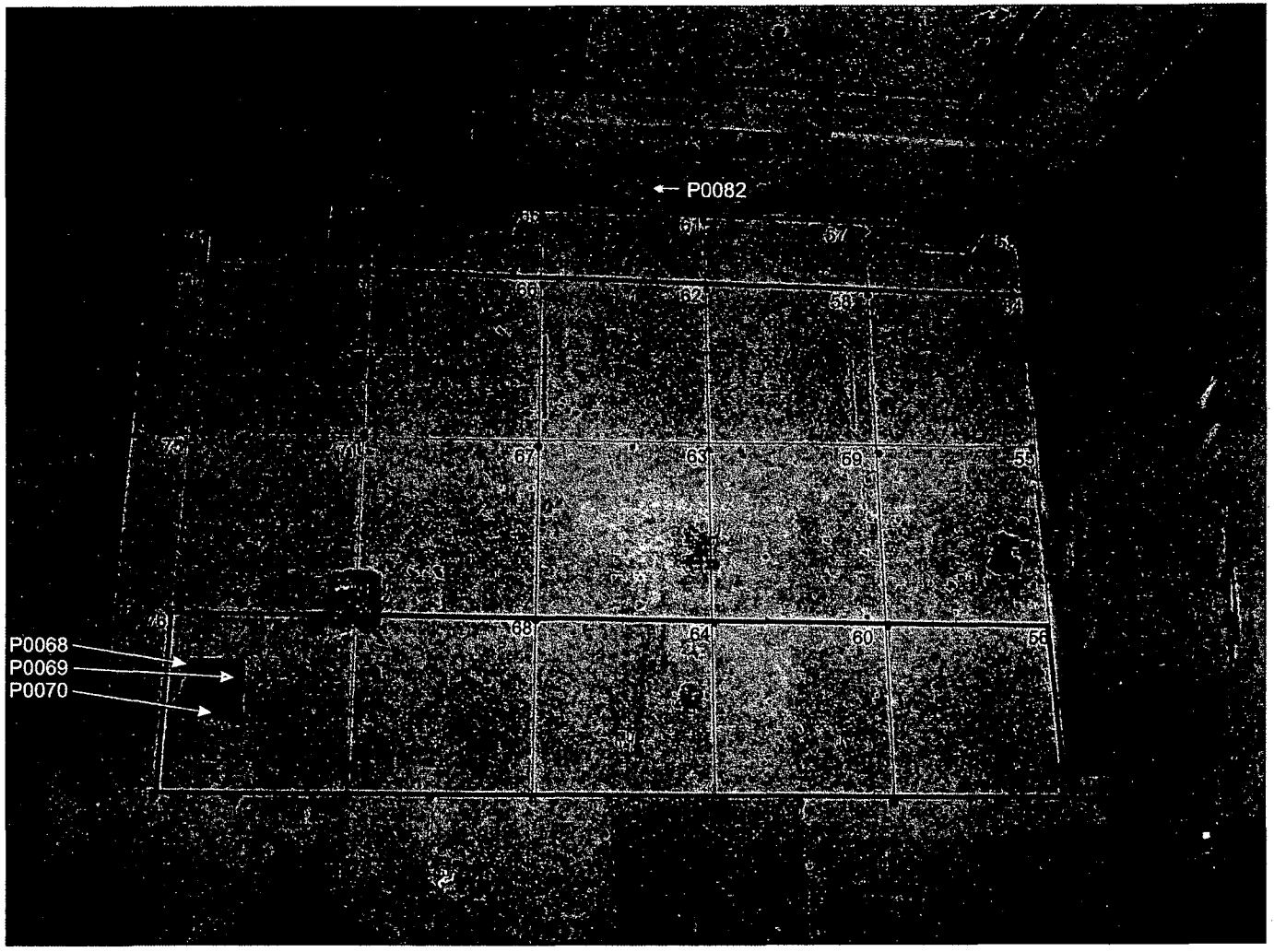
S
W E
N

Map F8130611-12, Aux Bldg. -20' El.,
Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2
South Ceiling Beta Scan Measurements

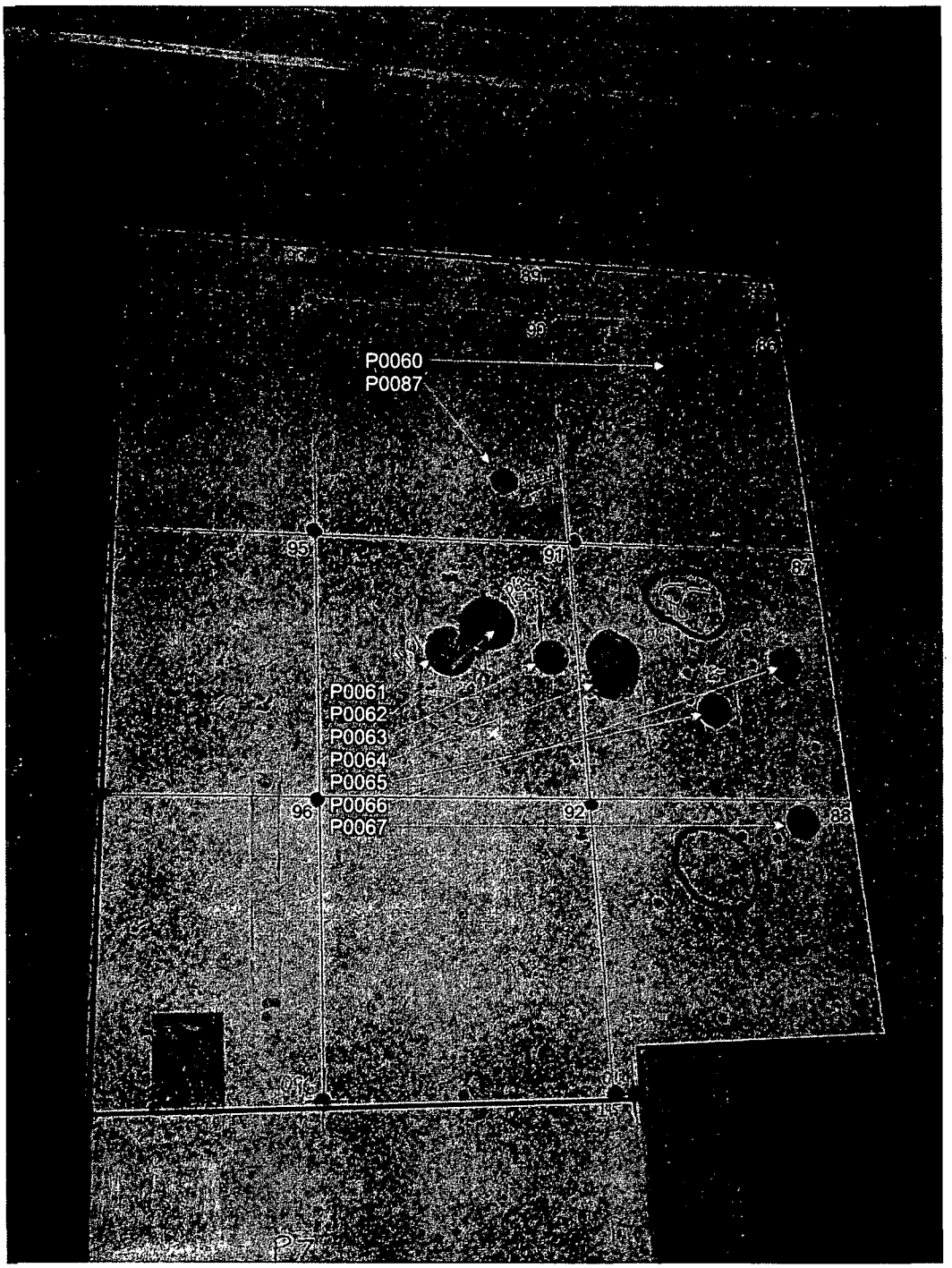
F8130611C0012BS to F8130611C0015BS,
F8130611C0018BS to F8130611C0021BS
Penetration Scan F8130611P0082BS
Total Scan Area: ~14.5 sq. meters

Map F8130611-13, Aux Bldg. -20' El.,
Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2

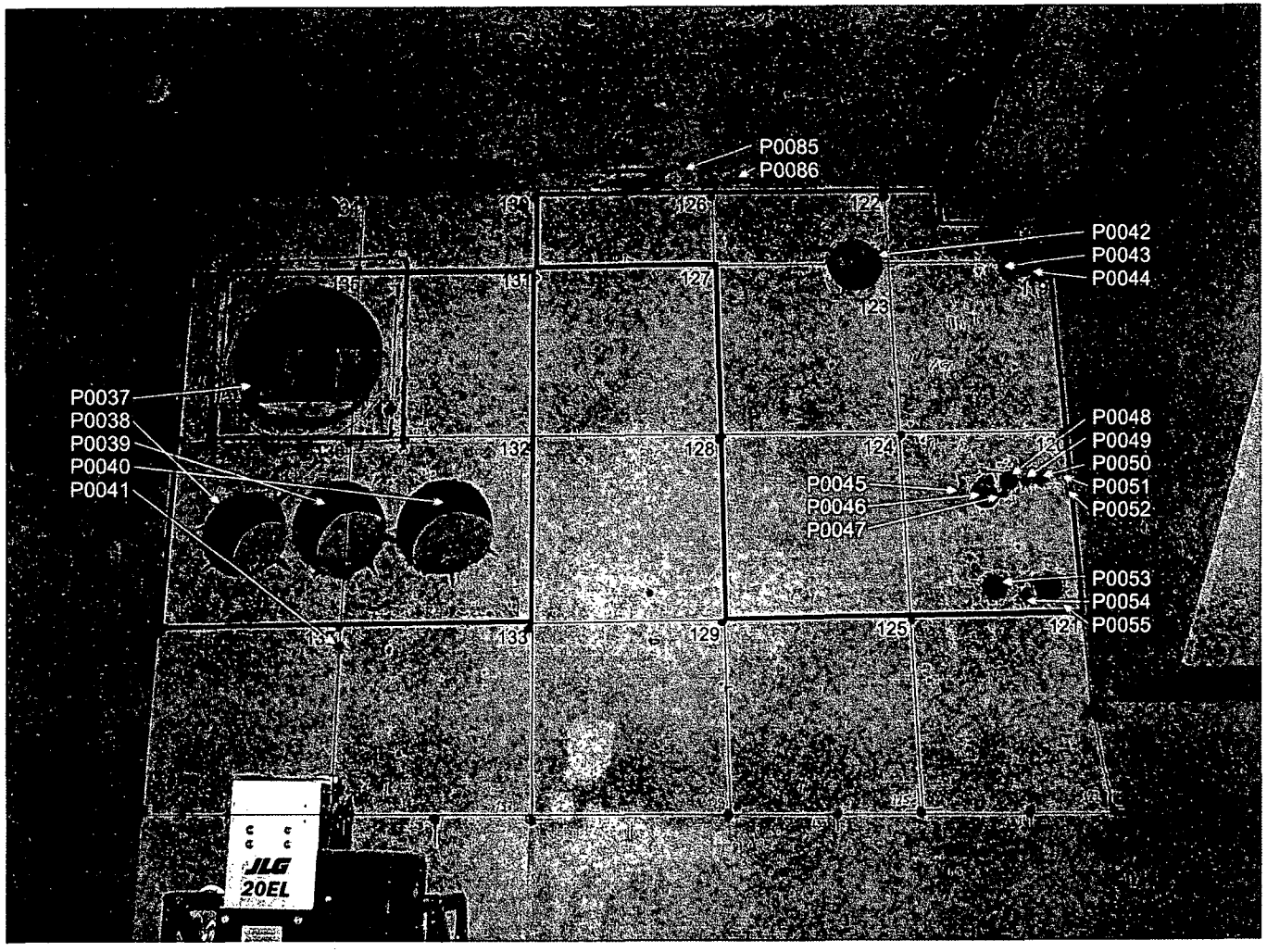
North Ceiling Beta Scan Measurements
F8130611C0050BS to F8130611C0052BS
Penetration Scans F8130611P0085BS to F8130611P0086BS
Total Scan Area: ~1.0 sq. meter



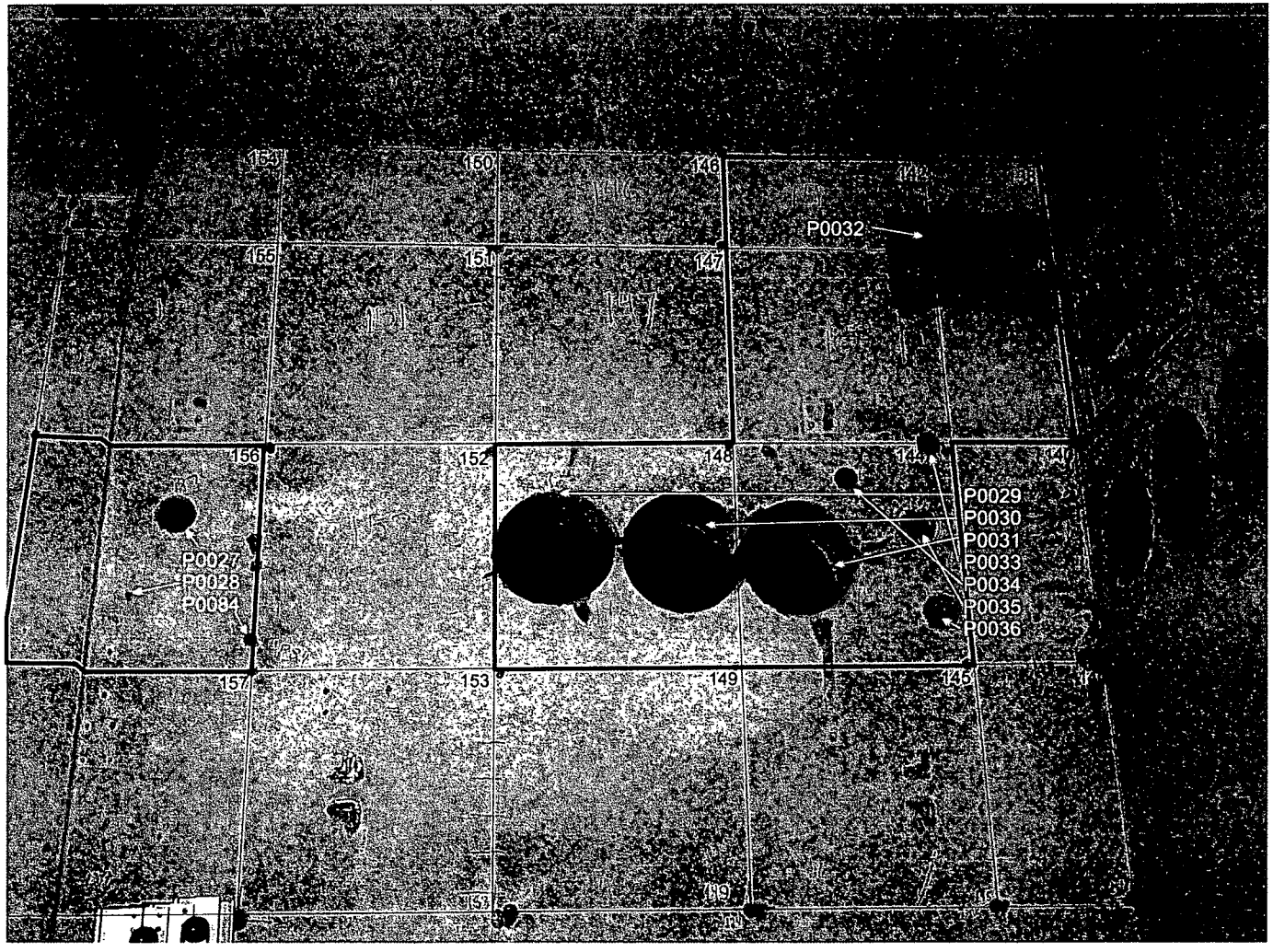
Map F8130611-14, Aux Bldg. -20' El., Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2
South Wall Beta Scan Measurements
F8130611C0053BS,
F8130611C0056BS to F8130611C0057BS,
F8130611C0060BS to F8130611C0061BS,
F8130611C0064BS to F8130611C0065BS,
F8130611C0068BS to F8130611C0069BS,
and F8130611C0072BS
Penetration Scans F8130611P0068BS to F8130611P0070BS
and F8130611P0082BS
Total Scan Area: ~6 sq. meters



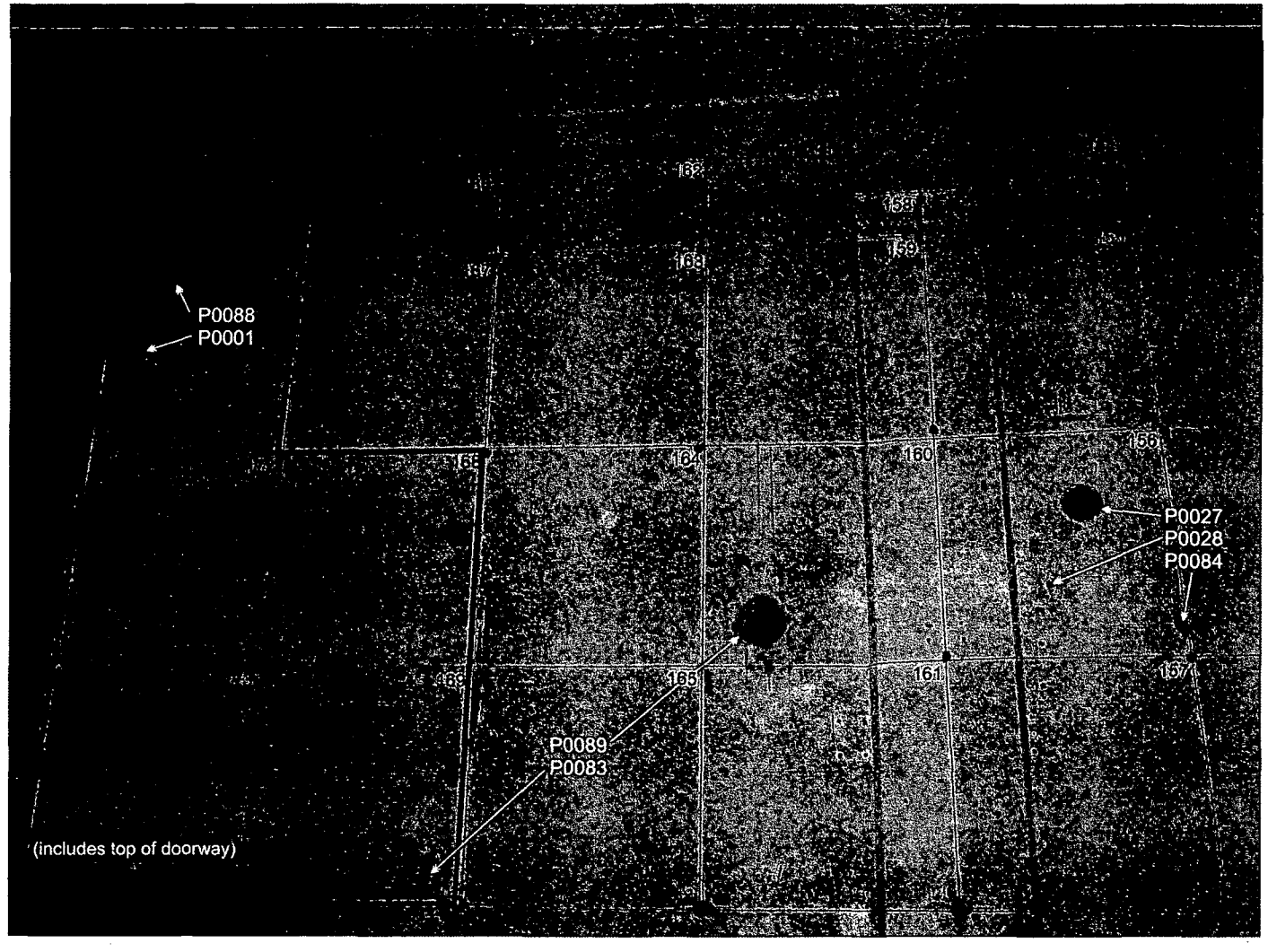
Map F8130611-15, Aux Bldg. -20' El., Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2
East Wall Beta Scan Measurements
F8130611C0085BS to F8130611C0096BS
Penetration Scans F8130611P0060BS to F8130611P0067BS
and F8130611P0087BS
Total Scan Area: ~8 sq. meters



Map F8130611-16, Aux Bldg. -20' El., Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2
North Wall Beta Scan Measurements
F8130611C0118BS to F8130611C0120BS,
F8130611C0122BS to F8130611C0124BS,
F8130611C0126BS,
F8130611C0131BS to F8130611C0132BS, and
F8130611C0135BS to F8130611C0136BS
Penetration Scans F8130611P0037BS to F8130611P0055BS
and F8130611P0085BS to F8130611P0086BS
Total Scan Area: ~8.5 sq. meters



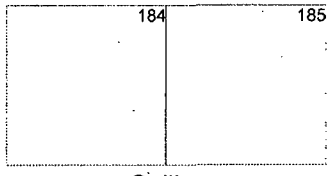
Map F8130611-17, Aux Bldg. -20' El.,
Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2
West Wall Beta Scan Measurements
F8130611C0138BS to F8130611C0139BS,
F8130611C0142BS to F8130611C0144BS,
F8130611C0148BS and F8130611C0156BS,
Penetration Scans F8130611P0027BS to F8130611P0036BS
and F8130611P0084BS
Total Scan Area: ~ 4.5 sq. meters

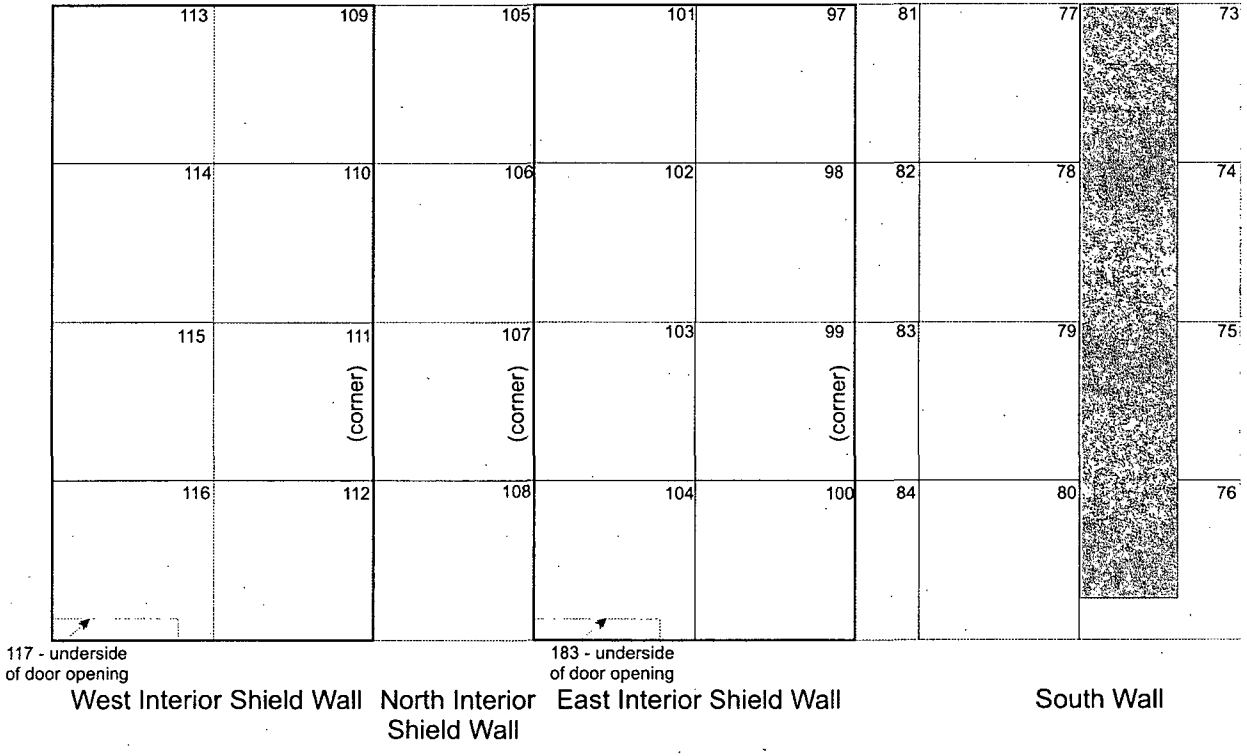


Map F8130611-18, Aux Bldg. -20' El.,
Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2
West Wall Beta Scan Measurements

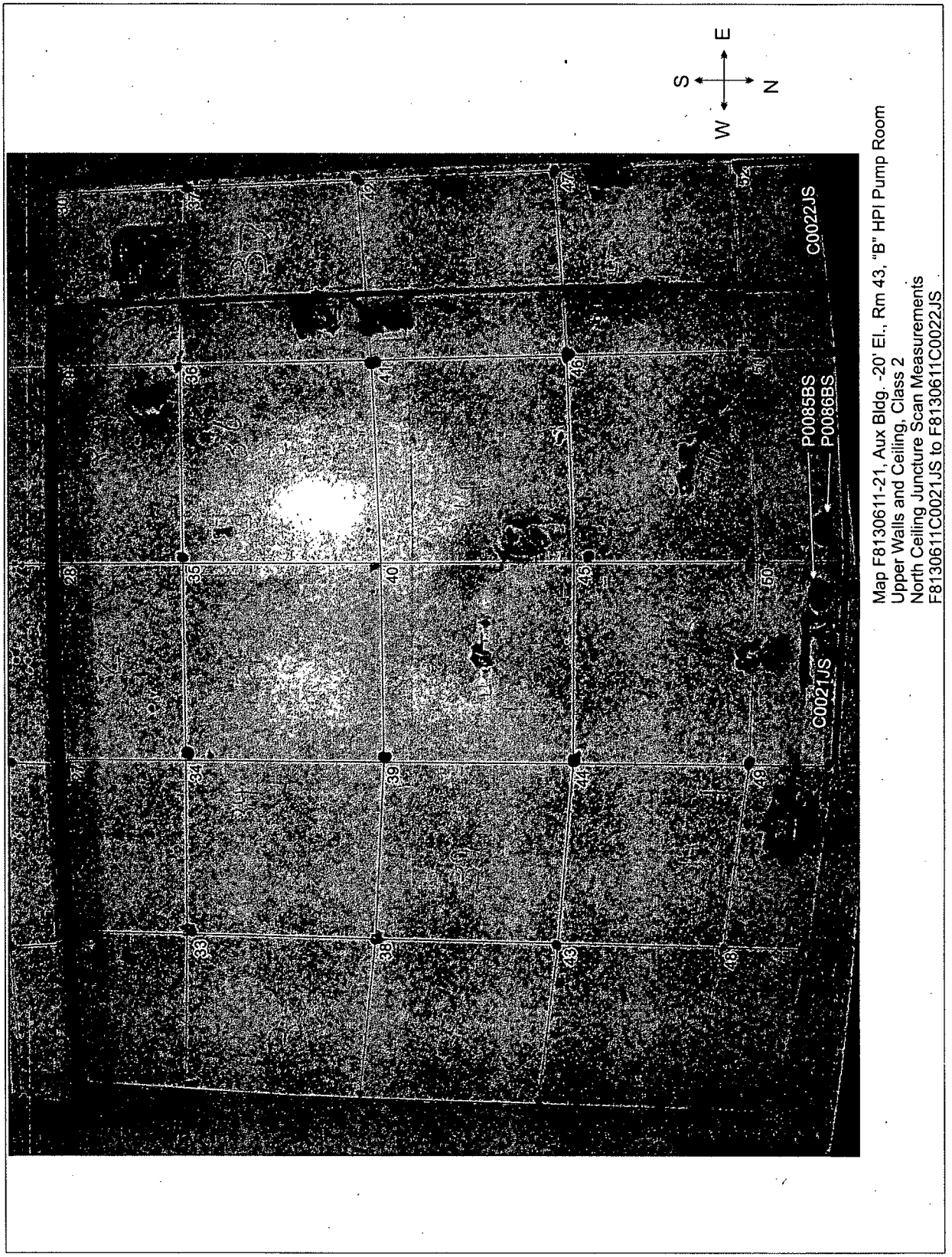
Penetration Scans F8130611P0001BS, F8130611P0027BS
F8130611P0083BS to F8130611P0083BS,
and F8130611P0088BS to F8130611P0089BS
Total Scan Area: ~5.5 sq. meters

Map F8130611-19, Auxiliary Building -20' El
Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2
Inside Shield Wall Beta Scan Measurements
F8130611C0097BS to F8130611C0104BS,
F8130611C0109BS to F8130611C0117BS,
and F8130611C0183BS
Penetration Scans F8130611P0071BS to F8130611P0081BS
Total Scan Area: ~16 sq. meters

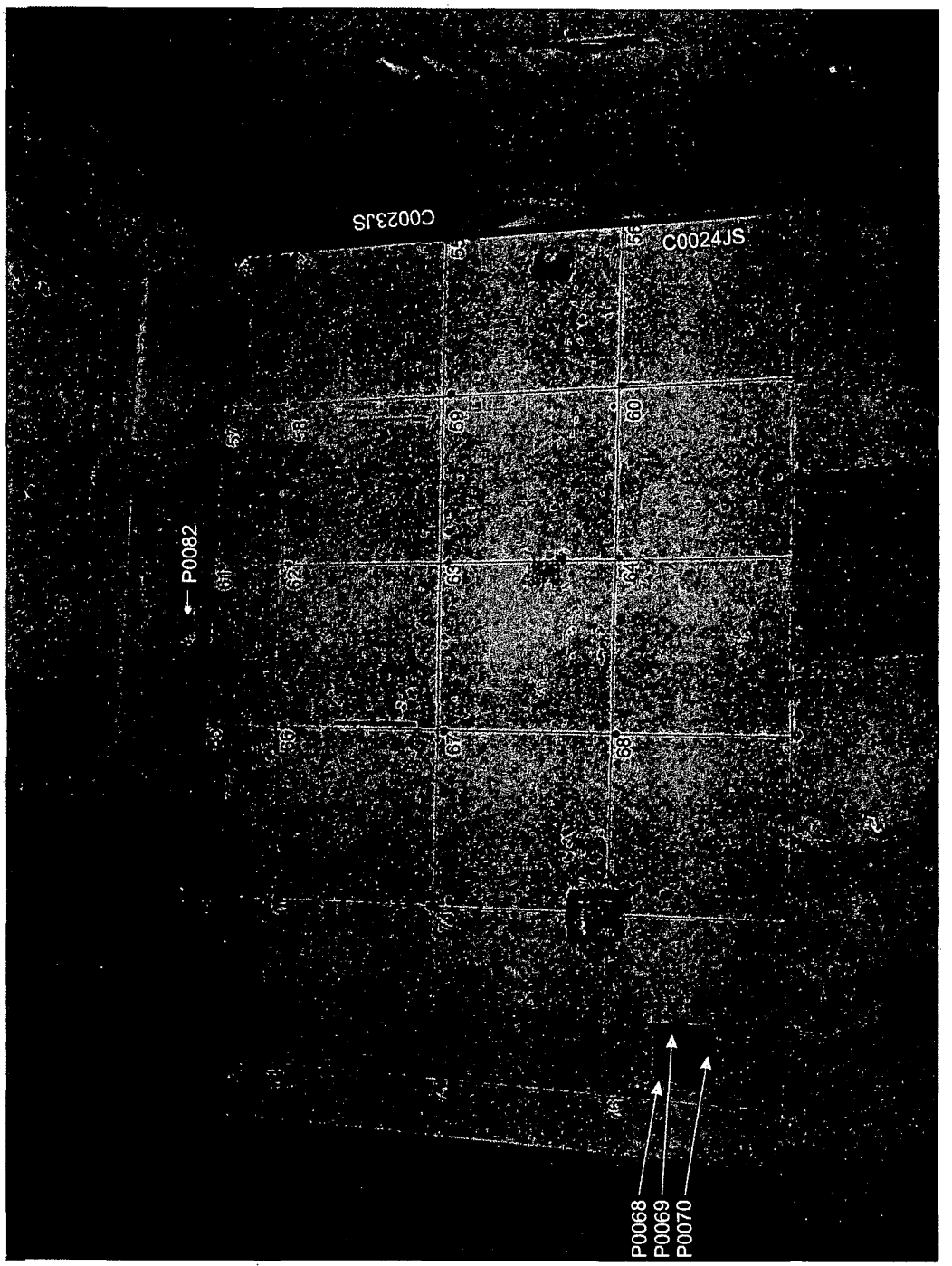




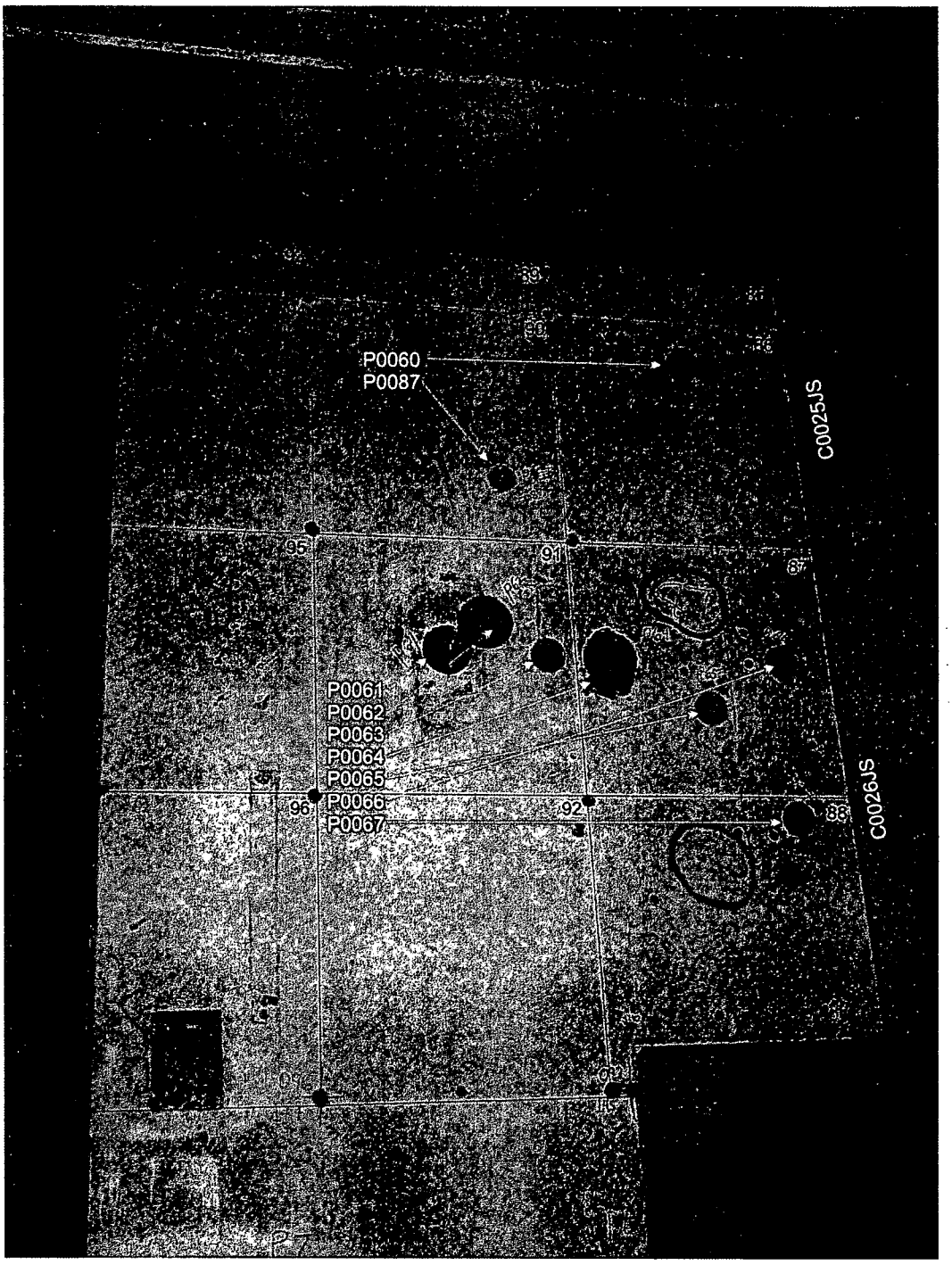

C0012JS
C0013JS
C0009JS
C0011JS
C0010JS
C0008JS
C0004JS
P0082
C0007JS
C0015JS
C0018JS
C0001JS
C0006JS
C0014JS
C0005JS
C0017JS
C0016JS
C0003JS
C0019JS
C0002JS
C0020JS
Map F8130611-20, Aux Bldg. -20' El.,
Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2
South Ceiling Juncture Scan Measurements
F8130611C0001JS to F8130611C0020BS,
E
S
N
W



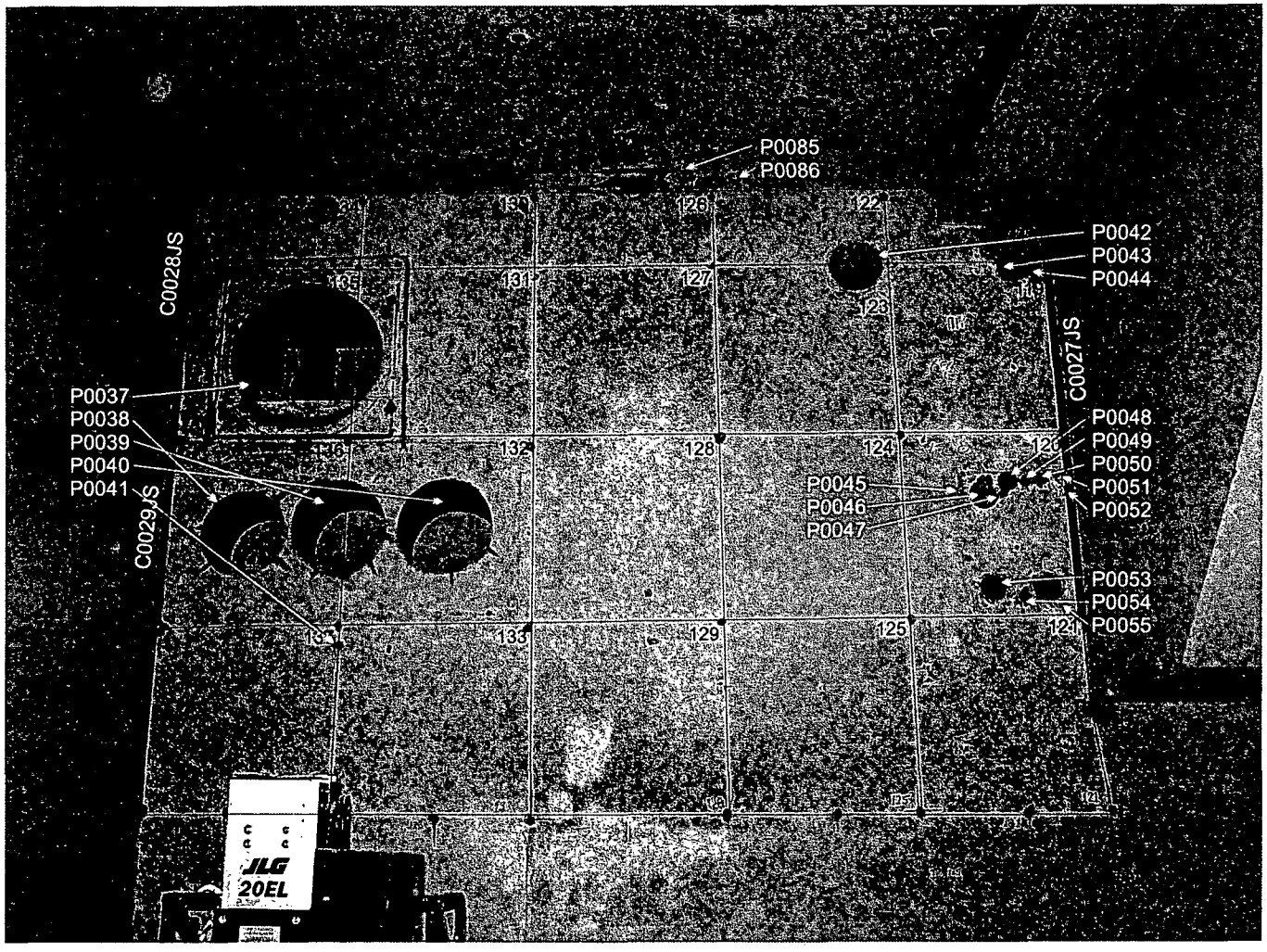
Map F8130611-21, Aux Bldg. -20' El., Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2
North Ceiling Juncture Scan Measurements
F8130611C0021JS to F8130611C0022JS



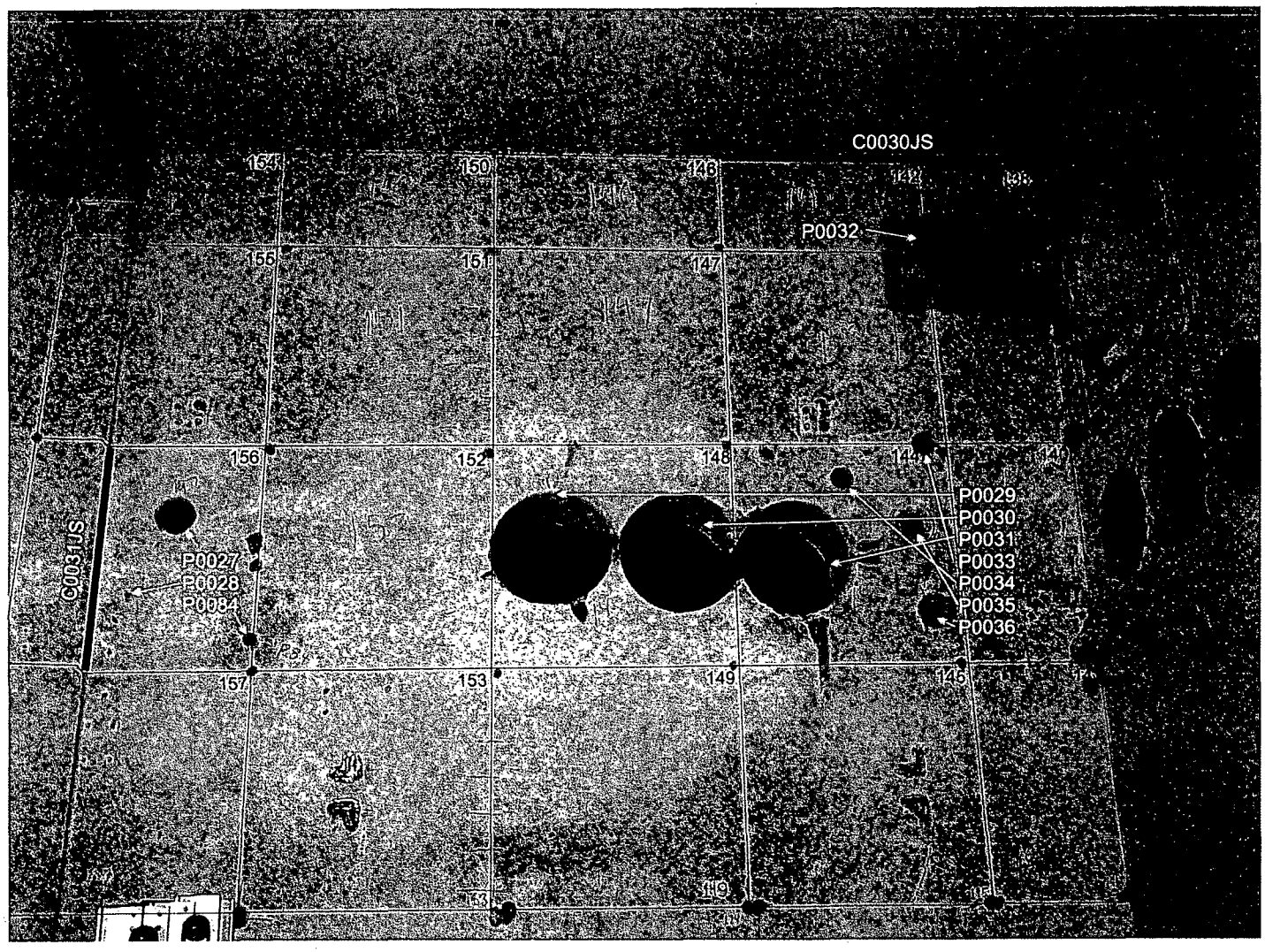
Map F8130611-22, Aux Bldg. -20' El., Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2
South Wall Juncture Scan Measurements
F8130611C0023JS.to F8130611C0024JS



Map F8130611-23, Aux Bldg. -20' El., Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2
East Wall Juncture Scan Measurements
F8130611C0025JS to F8130611C0026JS

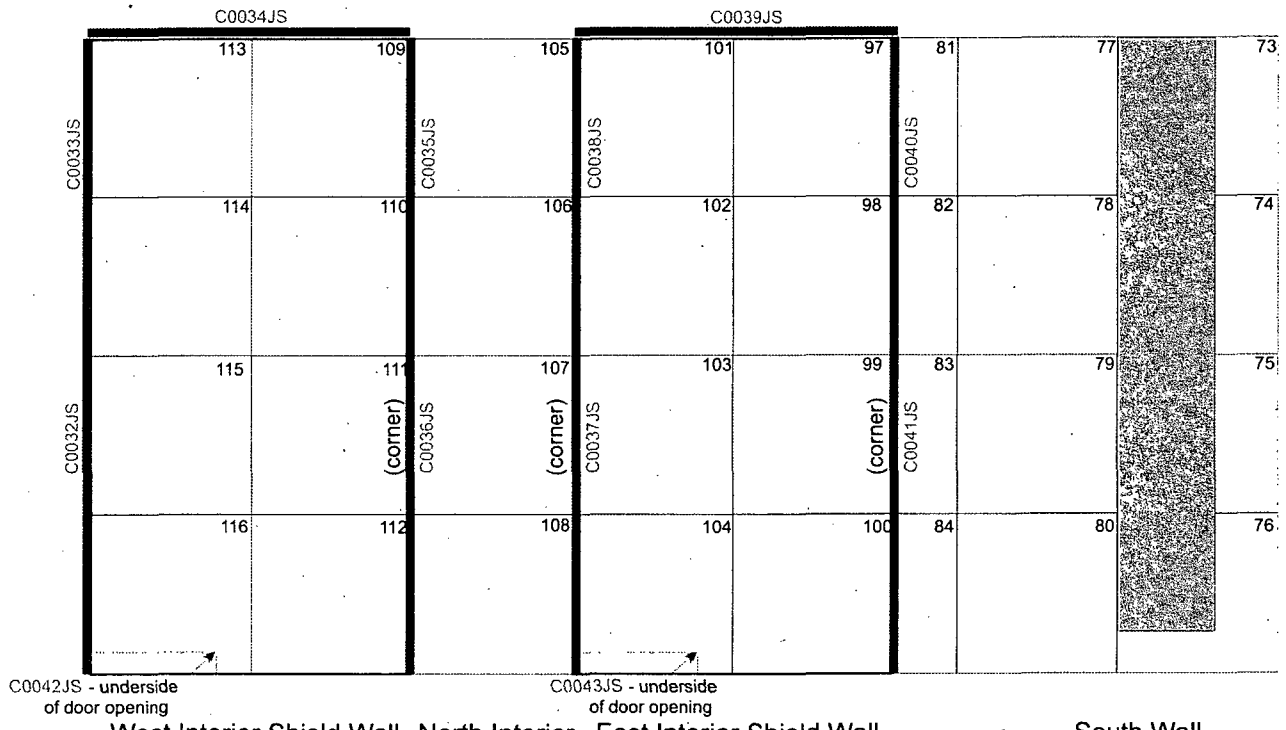


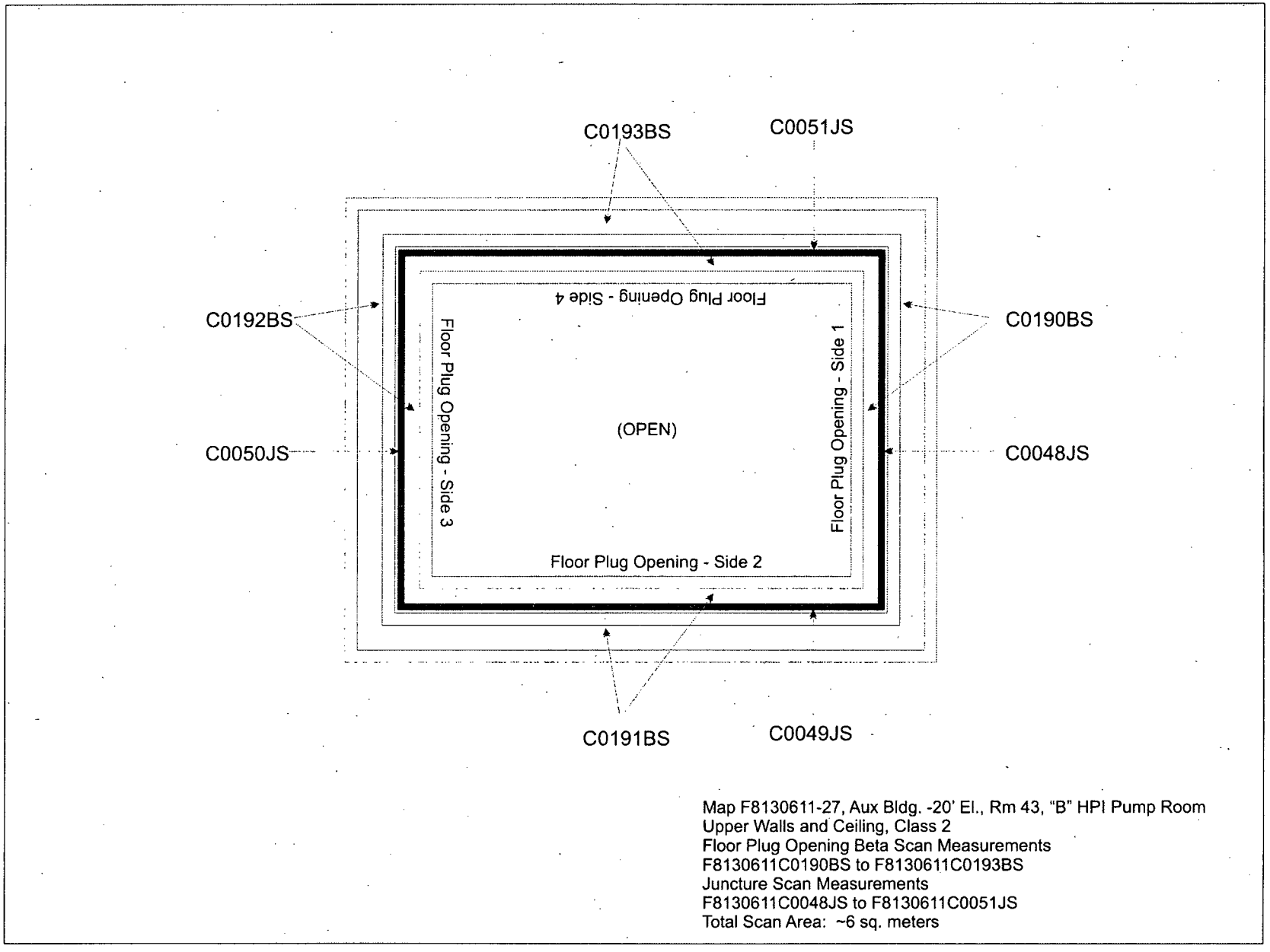
Map F8130611-24, Aux Bldg. -20' El., Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2
North Wall Juncture Scan Measurements
F8130611C0027JS to F8130611C0029JS



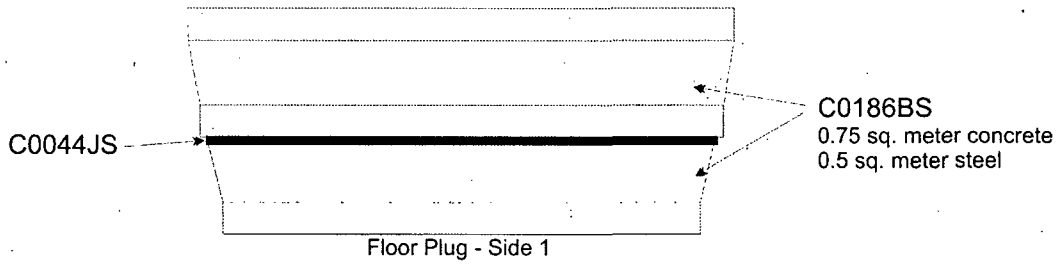
Map F8130611-25, Aux Bldg. -20' El., Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2
West Wall Juncture Scan Measurements
F8130611C0030JS to F8130611C0031JS

Map F8130611-26, Auxiliary Building -20' El
Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2
Inside Shield Wall Juncture Scan Measurements
F8130611C0032JS to F8130611C0043J

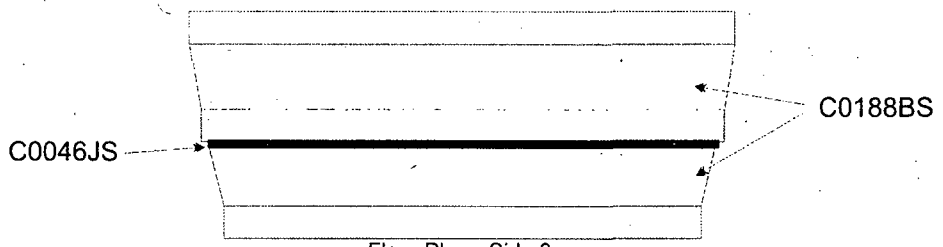




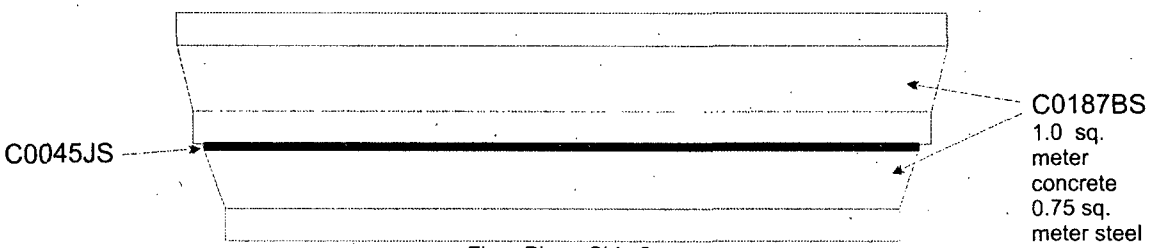
Map F8130611-27, Aux Bldg. -20' El., Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2
Floor Plug Opening Beta Scan Measurements
F8130611C0190BS to F8130611C0193BS
Juncture Scan Measurements
F8130611C0048JS to F8130611C0051JS
Total Scan Area: ~6 sq. meters



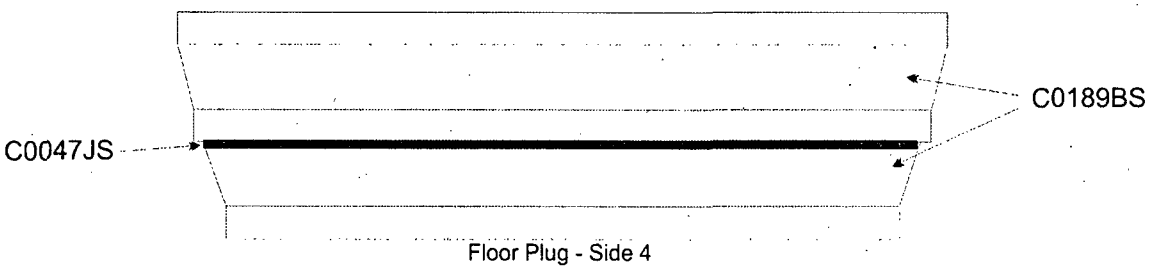
Floor Plug - Side 1



Floor Plug - Side 3



Floor Plug - Side 2



Floor Plug - Side 4

Map F8130611-28, Aux Bldg. -20' El., Rm 43, "B" HPI Pump Room
Upper Walls and Ceiling, Class 2,
Floor Plug Beta Scan Measurements
F8130611C0186BS to F8130611C0189BS
Juncture Scan Measurements
F8130611C0044JS to F8130611C0047JS
Total Scan Area: ~ 6 sq. meters

Attachment 2

Instrumentation

October 24, 2007

Survey Unit F8130611

Table 2-1. Survey Unit Instrumentation

Instrument Model; Serial No.	Detector Model; Serial No.	MDC Static	MDC Scan
M2350; 180733	43-98B; 148638	1,400	2,520
M2350; 180733	43-94; 148620	2,630	4,580
M2350; 149794	43-68/5B; 149103[1]	433	1,033
M2350; 149794	43-68/5B; 149103[2]	433	1,084
M2350; 149794	43-116-1B; 216072[3]	796	5,895
M2350; 149802	43-116-1B; 190173[3]		
M2350; 149802	43-116-1B; 190173[4]	472	3,492
M2350; 180733	43-111; 148641	3,880	7,020
Tennelec; 0401171	N/A	5 dpm α, 11 dpm β	N/A

[1]43-68B Concrete surfaces
[2]43-68B Concrete penetrations
[3]43-116-1B Concrete junctures and penetrations
[4]43-116-1B Metal penetrations

Instrument	Detector Serial No.	MDC (dpm/100 cm²)
InSpector	08051294	2,570 dpm/100 cm^2 Cs-137 2,510 dpm/100 cm^2 Co-60

Table 2-2. Investigation Criteria and DCGL

Parameter	Value (dpm/100 cm^2)
Investigation Criteria - Direct	43,000
Investigation Criteria – Scan	43,000
$DCGL_W$	43,000
$DCGL_{EMC}$	N/A

Attachment 3

Investigation

October 24, 2007

Survey Unit F8130611

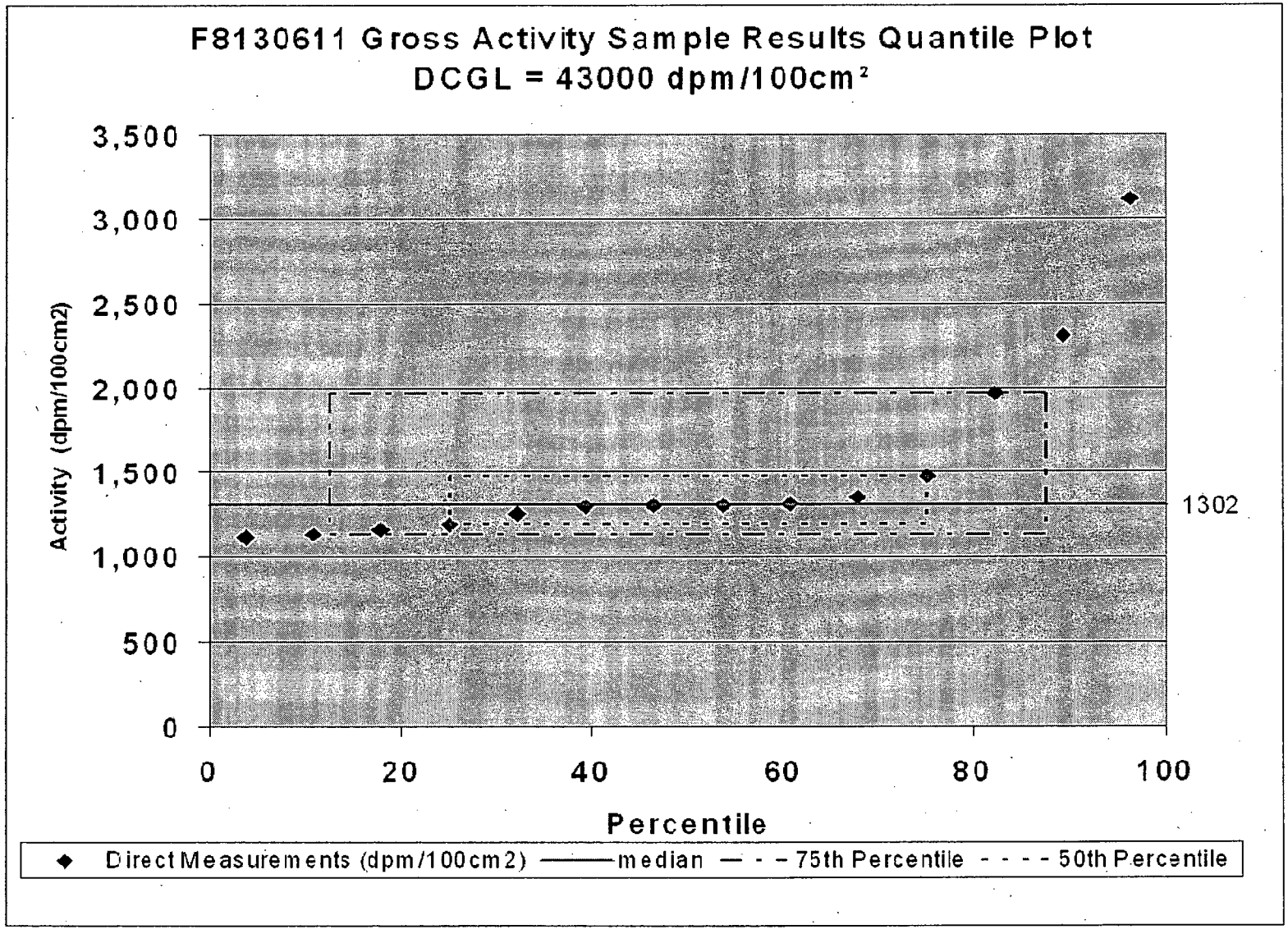
(none required)

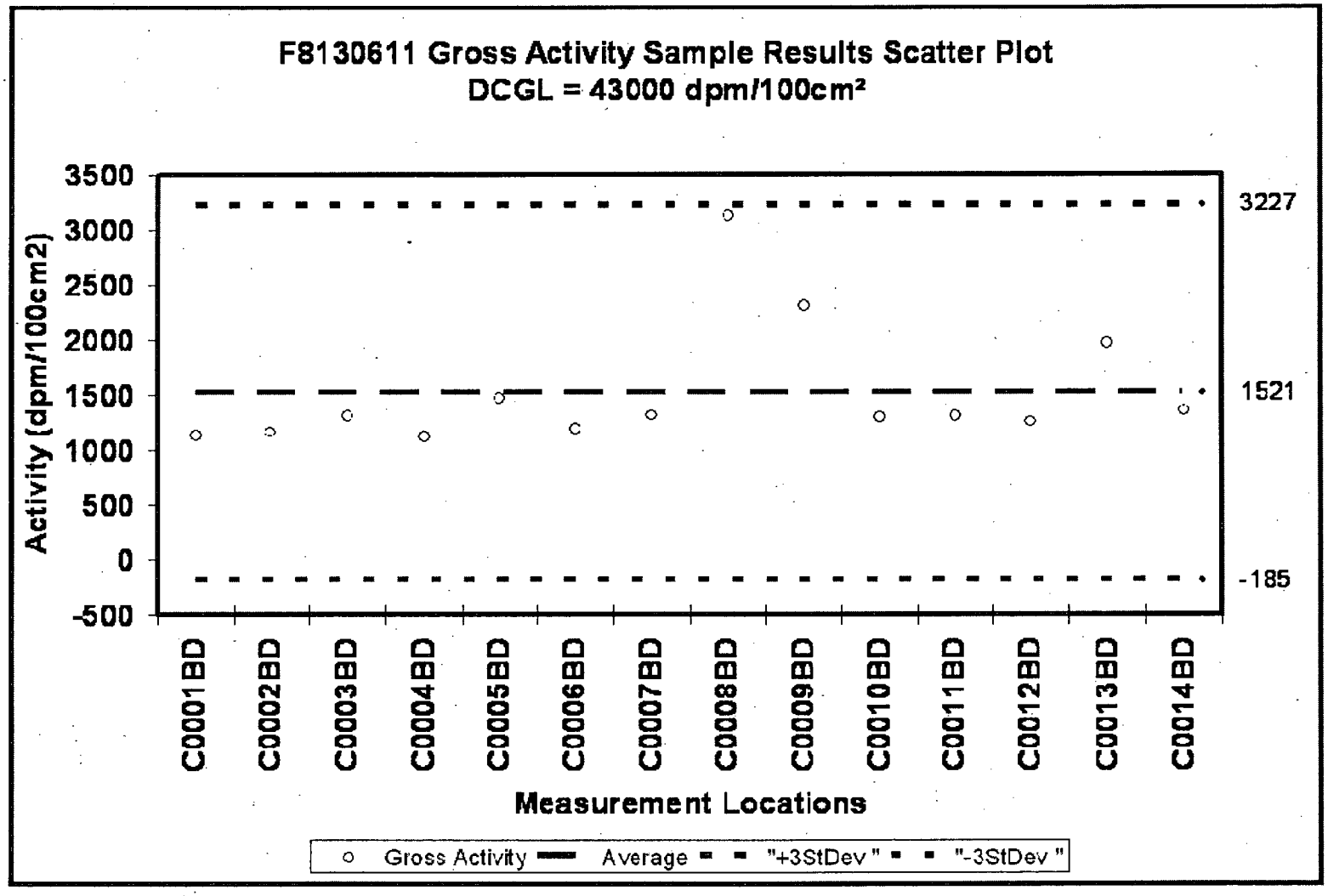
Attachment 4

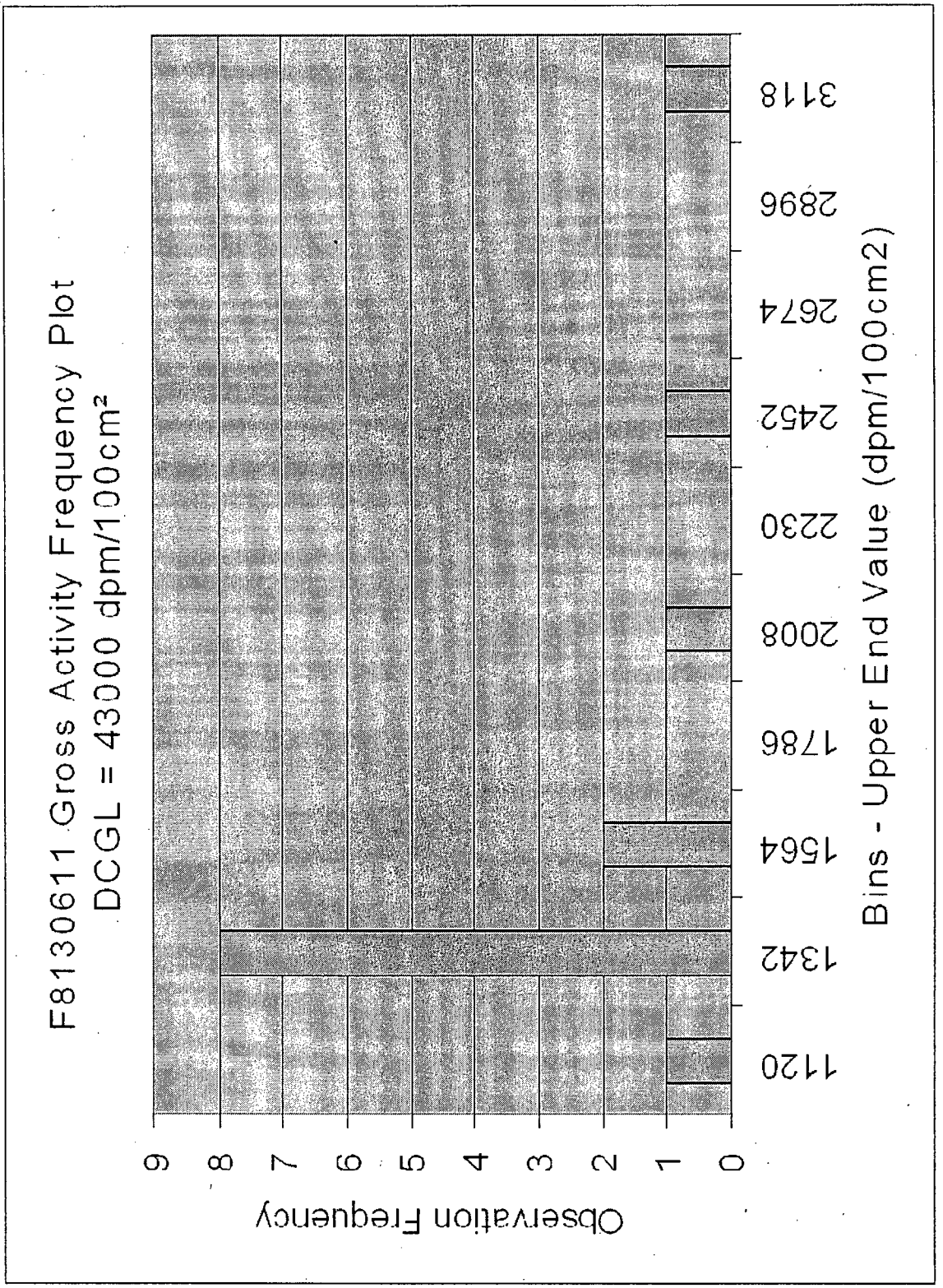
Data Assessment

October 24, 2007

Survey Unit F8130611


F8130611 Gross Activity Sample Results Quantile Plot
DCGL = 43000 dpm/100cm²
Activity (dpm/100cm2)
3,500
3,000
2,500
2,000
1,500
1,000
500
0
0
20
40
60
80
100
Percentile
1302
Direct Measurements (dpm/100cm2)
median
75th Percentile
50th Percentile


F8130611 Gross Activity Sample Results Scatter Plot
DCGL = 43000 dpm/100cm²
Activity (dpm/100cm2)
3500
3000
2500
2000
1500
1000
500
0
-500
3227
1521
-185
C0001BD
C0002BD
C0003BD
C0004BD
C0005BD
C0006BD
C0007BD
C0008BD
C0009BD
C0010BD
C0011BD
C0012BD
C0013BD
C0014BD
Measurement Locations
Gross Activity
Average
"+3StDev"
"-3StDev"


F8130611 Gross Activity Frequency Plot
DCGL = 43000 dpm/100cm²
Observation Frequency
0
1
2
3
4
5
6
7
8
9
1120
1342
1564
1786
2008
2230
2452
2674
2896
3118
Bins - Upper End Value (dpm/100cm2)