

NOTICE

All drawings located at the end of the document.

ASBESTOS CHARACTERIZATION REPORT

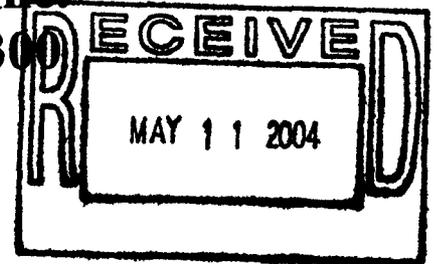
BUILDINGS 776 & 777

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

GOLDEN, COLORADO

Prepared By:

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ACRONYMS

ACM	Asbestos Containing Material
ACBM	Asbestos Containing Building Material
AIHA	American Industrial Hygiene Association
CDPHE	Colorado Department of Public Health & Environment
EPA	Environmental Protection Agency
ND	None Detected
NVLAP	National Voluntary Laboratory Accreditation Program
PACM	Presumed Asbestos Containing Material

EXECUTIVE SUMMARY

An asbestos inspection was conducted by Foothills Environmental, Inc at Rocky Flats Environmental Technology Site (RFETS) located approximately fifteen miles north of Golden, Colorado. The inspection was conducted by Mr Andre Gonzalez, a Certified Asbestos Inspector in the State of Colorado. The inspection was performed in buildings 776 and 777 which are connected and function as one facility. The intent of this inspection was to locate and sample all suspect asbestos containing materials and identify the locations of asbestos containing materials. Drawings are included for delineating sample locations of each homogeneous area. Photographs are provided as visual aids for identifying sampled materials and locations.

SCOPE OF WORK

The scope of work for this assessment included the following

- 1 Visual inspection of buildings 776 and 777 to identify locations of suspect ACM
- 2 Collection of bulk samples of suspect materials in each identified area for analysis by Polarized Light Microscopy (PLM)
- 3 Describe sample results of all sampled materials
- 4 Provide laboratory results from an accredited laboratory
- 5 Quantify the amount of each asbestos containing homogeneous material
- 6 Provide a report

SAMPLING AND ANALYTICAL PROCEDURES

Suspect building materials were grouped into homogeneous areas based on their physical characteristics, color, texture, and application. Suspect materials were divided into one of three categories based on the following homogeneous area classification scheme recognized by regulatory agencies (i.e., EPA and CDPH&E)

- 1 Thermal systems insulation (TSI) – any type of pipe, boiler, tank or flue insulation.
- 2 Surfacing material – sprayed or troweled onto structural building member
- 3 Miscellaneous – all other suspect materials including floor tiles, ceiling tiles, linoleum, other insulations, finishing materials, etc

Random bulk samples were collected according to the guidelines published as Environmental Protection Agency Final Rule Title II of the Toxic Substances Control Act (TSCA), 15 USC, Sections 2641 through 2654 and in compliance with 40 CFR Part 763, and the CDPH&E Regulation #8. All samples were analyzed by Reservoirs Environmental Services, an NVLAP and AIHA accredited laboratory. Core samples were collected and placed in containers for delivery to Building 881 for on-site analysis by Reservoirs Environmental Services. All samples were released for analysis by chain of custody. Samples collected were given unique identification numbers assigned by the accredited Asbestos Inspector for tracking purposes.

All bulk samples collected were analyzed utilizing the Environmental Protection Agency's Interim Method for the Detection of Asbestos in Bulk Insulation Samples (EPA 600/M4-82020, December 1982) and the McCrone Research Institute's The Asbestos Particle Atlas as method reference.

For the purpose of this report, any material containing greater than one percent asbestos is considered asbestos containing material (ACM).

SUMMARY OF ACM BY SET NUMBER

Building 776 and 777 are scheduled for decommissioning and demolition by 2006. In preparation for closure of the facilities, specific closure tasks have been identified to meet this goal. The specific tasks have been identified as "Sets". Each set is considered a single functional area or unit. A set may consist of process equipment, process related rooms, or functional work areas. The following text provides a written description of asbestos containing materials that were identified in each set. The information provided is based on non-destructive observations. It is possible that asbestos containing materials may be found behind walls or above ceilings which were inaccessible during this characterization process.

Set 1

Asbestos containing sheet linoleum covers the entire floor of room 125. The ceiling tiles are metal and not considered asbestos containing.

Set 2

Set 2 consists of Rooms 126, 132, 133 and 137B. The walls are cinderblock with no TSI or ceiling tiles observed in the rooms. Rooms 137B and 126 have metal decking on the ceilings. A white fibrous material was observed protruding from the metal decking. The material was sampled and did not contain asbestos. Plaster texturing was observed on structural beams in the area - sample analysis indicates the material does not contain asbestos.

Set 3

Set 3 consists of Room 233A. Asbestos containing hard packed TSI elbows are present above the doorway entry of the room and inside the room. Straight runs of TSI are fiberglass and considered asbestos free. The lines containing the insulation are process cooling water supply and return.

Set 4

Set 4 consists of gloveboxes located in Room 131. TSI is located around some of the gloveboxes and may be disturbed during work activities. In particular, asbestos containing hard packed TSI elbows were observed. Non-asbestos containing black rubber insulation (painted green) is present. Some wall sections are drywall with asbestos containing tape joint compound.

Set 5

Set 5 consists of gloveboxes located in Room 131. TSI is located around some of the gloveboxes and may be disturbed during work activities. In particular, hard packed TSI elbows are considered asbestos containing.

Set 6

Set 6 consists of gloveboxes located in Room 131. TSI is located around some of the gloveboxes and may be disturbed during work activities. In particular, hard packed TSI elbows are considered asbestos containing.

Set 7

Set 7 could not be observed. Entrance was restricted by a supplied-air containment over the area.

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Set 8

Set 8 consists of Rooms 131, 131A and 130B and includes sets 4, 5 and 6 (refer to individual sets for more information) Room 131A has cinderblock walls and asbestos containing elbows (painted orange) Room 130B has drywall with no tape joint compound and is considered asbestos free Asbestos free structural beam texture was observed throughout this set.

Set 9

Set 9 consists of Room 134E and includes sets 10 and 11 (refer to individual sets for more information) TSI hard packed elbows were observed throughout the set. The hard pack elbows are considered asbestos containing

Set 10

Set 10 consists of gloveboxes located in Room 134E TSI is located around some of the gloveboxes and may be disturbed during work activities In particular, hard packed TSI elbows are considered asbestos containing

Set 11

Set 11 consists of gloveboxes located in Room 134E TSI is located around some of the gloveboxes and may be disturbed during work activities In particular, hard packed TSI elbows are considered asbestos containing

Set 12

Set 12 has asbestos containing floor tile and asbestos containing hard packed TSI elbows In addition, drywall with asbestos containing joint compound is present.

Set 13

Set 13 consists of Rooms 416, 416B, 417, 418, 419, 420, 429, 431, 431A and 431B

Room 416 has drywall with asbestos containing tape joint compound. The brine supply and return lines are insulated with Styrofoam and are not considered asbestos containing. Domestic cold and hot water lines are insulated with fiberglass No hard pack elbows associated with the brine or domestic water lines in Room 416

Room 416B has the same TSI insulation as in Room 416 with the exception of one asbestos containing hard packed elbow Drywall with asbestos containing tape joint compound is present Structural beam texture is present and is considered asbestos free

Room 417 has asbestos containing hard packed TSI elbows – straight runs are fiberglass

Room 418 has an asbestos containing transite wall section Other walls in the room are concrete and cinderblock No TSI was observed

Room 419 has Styrofoam insulation on supply and return brine lines Domestic hot and cold water lines have asbestos containing hard packed elbows – straight runs are fiberglass Asbestos containing transite wall was identified by the entrance to Room 420 White 12" x 12" floor tile and mastic are asbestos free

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Room 420 has asbestos containing transite walls Asbestos free 12" x 12" white floor tile and mastic are present. Asbestos free structural beam texture is also present.

Suspect asbestos containing materials were not observed in Room 429

Room 431 has asbestos free structural beam texture No other suspect materials observed.

Set 14

Set 14 consists of Room 415 only Drywall with asbestos containing joint compound is present in addition to asbestos containing transite wall panels Domestic hot and cold water lines are insulated with fiberglass with asbestos containing hard packed elbows

Set 15

Set 15 consists of Room 416A only Brine supply and return lines are insulated with asbestos free Styrofoam. Water lines have asbestos containing hard packed elbows - straight runs are fiberglass Asbestos containing blue 9" x 9" floor tile is present (mastic is non-asbestos containing) Drywall with asbestos containing tape joint compound was observed Asbestos free structural beam texture is also present.

Set 16

Set 16 consists of Rooms 426, 427, 427A and 428 Access to Room 426 was not permitted and therefore was not observed.

~~Rooms 427 and 427A have drywall with asbestos containing tape and joint compound. Asbestos containing hard packed elbows were also observed.~~

Room 428 has asbestos containing hard packed elbows No other suspect materials observed.

Set 17

Set 17 is not clearly defined in the set drawings provided No observations made

Set 18

Set 18 consists of gloveboxes located in Room 430 TSI is located around some of the gloveboxes and may be disturbed during work activities. In particular, hard packed TSI elbows are considered asbestos containing

Set 19

Set 19 consists of gloveboxes located in Room 154A Green rubber insulation of Freon lines going into GB 499 is considered asbestos free Freon supply and return lines beneath the gloveboxes is insulated with rubber and fiberglass and considered asbestos free See Set 51 for additional text concerning Room 154A

Set 20

Set consists of a small section of Room 430 and all of Room 424 No suspect asbestos containing materials were observed in Room 430

Room 424 has TSI containing asbestos hard packed elbows

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Set 21

Set 21 consists of gloveboxes located in Room 430 TSI is located around some of the gloveboxes and may be disturbed during work activities In particular, hard packed TSI elbows are considered asbestos containing

Set 22

Set 22 consists of gloveboxes located in Room 430 TSI is located around some of the gloveboxes and may be disturbed during work activities In particular, hard packed TSI elbows are considered asbestos containing

Set 23

Set 23 consists of gloveboxes located in Room 430 TSI is located around some of the gloveboxes and may be disturbed during work activities In particular, hard packed TSI elbows are considered asbestos containing

Set 24

Set 24 consists of gloveboxes located in Room 430 TSI is located around some of the gloveboxes and may be disturbed during work activities In particular, hard packed TSI elbows are considered asbestos containing

Set 25

Set 25 consists of Room 430 and Sets 18, 21, 22, 23 and 24 Asbestos containing hard packed TSI elbows are present throughout the room. Other TSI insulation was observed (i.e., fiberglass, foam and Styrofoam) and should be treated on a case-by-case basis A small amount of drywall with asbestos containing joint compound is present by pillar G-13

Set 26

Set 26 could not be located

Set 27

Set 27 consists of Rooms 432, 432A, 432B, 432C, 432D and 440. No asbestos containing materials were observed

Set 28

Set 28 consists of Room 433 Asbestos containing hard packed elbows were observed on the process steam lines Non-asbestos containing structural beam texture is also present.

Set 29

Set 29 consists of Room 437 No asbestos containing materials were observed

Set 30

Set 30 consists of Room 442 Access was not permitted

Set 31

Set 30 consists of Room 443 No asbestos containing materials were observed

Set 32

Set 32 consists of Rooms 436, 444, 446, 447, 448, 449 450 Rooms 446, 447, 448 and 449 did not have any suspect asbestos containing materials

Room 436 has asbestos containing hard packed TSI elbows

Room 444 and 450 have non-asbestos containing ceiling tile

Set 33

Set 33 consists of Room 445 Asbestos containing hard packed TSI elbows are present on the domestic hot and cold water lines – straight runs are fiberglass

Set 34

Set 34 consists of gloveboxes located in Room 475 TSI is located around some of the gloveboxes and may be disturbed during work activities In particular, hard packed TSI elbows are considered asbestos containing

Set 35

Set 35 consists of Rooms 452 and 475 Asbestos containing hard packed TSI elbows were observed on heating water supply and return lines Non-asbestos containing foam insulation was identified on chilled water supply and return lines as well as on process cooling supply and return lines

Set 36

Set 36 consists of gloveboxes located in Room 475 TSI is located around some of the gloveboxes and may be disturbed during work activities In particular, hard packed TSI elbows are considered asbestos containing

Set 37

Set 37 consists of Rooms 453, 454 and 460 No suspect asbestos containing materials observed. A small section of fiberglass TSI remains on one wall

Set 38

Set 38 consists of Rooms 455, 458 and 457 In Rooms 457 and 458, asbestos containing hard packed TSI elbows are present – straight runs are non-asbestos containing fiberglass

Room 455 did not contain any suspect asbestos containing materials

Set 39

Set 39 consists of Rooms 456, 459, 459A, 301, 302 and 303

Room 456 did not contain any suspect asbestos containing materials

Room 459 has asbestos containing hard packed TSI elbows – straight runs are asbestos free fiberglass

Rooms 301, 302 and 303 have asbestos containing 9" x 9" floor tile (mastic is asbestos free) Asbestos containing hard packed TSI elbows are present. Asbestos containing rope is located in the ceiling-to-wall gap between Rooms 302 and 303

Set 40

Set 40 consists of Room 462 Non-asbestos containing plaster is present on walls in Set 40 The walls are constructed of a layer of Styrofoam covered by plaster One asbestos containing hard packed TSI elbow is present.

Set 41

Set 41 consists of Room 464 Asbestos containing hard packed TSI elbows are present on heating water lines Mixed TSI insulation was also observed on many of the lines throughout Set 41 Asbestos containing transite wall panels are present.

Set 42

Set 42 consists of Rooms 463A, 463B, 464, 477 and 477A

Room 477 has asbestos containing 9" x 9" red floor tile and transite wall panels In addition, drywall with asbestos containing tape joint compound is present. Non-asbestos containing ceiling tile are present

Room 464 has drywall with asbestos containing tape joint compound on the ceiling

Set 43

Set 43 consists of Rooms 465 and 465A

Room 465 has asbestos containing transite wall panels present and asbestos containing hard packed TSI elbows on heating water supply and return lines

Set 44

Set 44 consists of Room 466, 467, 468, 469, 470, 471, 472, 474 and 474D

Rooms 466, 467, 470, 471 and 472 do not contain any suspect asbestos containing materials

Room 468 has asbestos containing hard packed TSI elbows on the room heater Non-asbestos containing plaster on Styrofoam walls and ceiling is also present.

Room 469 has asbestos containing hard packed TSI elbows

Room 472D has asbestos containing transite wall panels Non-asbestos containing ceiling tile are also present

Set 45

Set 45 consists of Room 473 and 476 Room 473 does not contain any suspect asbestos containing materials

Room 476 has non-asbestos containing plaster on Styrofoam walls

Set 46

Set 46 consists of Room 478 No suspect asbestos containing materials were observed.

Set 47

Set 47 consists of Rooms 481, 482, 483, 483A and 483B No suspect asbestos containing materials were observed in Room 482

Rooms 481, 483, 483A and 483B have asbestos containing hard packed TSI elbows

Set 48

Set 48 consists of the Kathabar Units on the second floor of Building 776/777

Condensate pumps located by Pillars J-18 and K-18 have asbestos-free hard packed TSI elbows The straight sections of pipe-run TSI are labeled "Asbestos Free" and are fiberglass

Kathabar 3/7 is located by Pillar K-16 and is surrounded by asbestos containing hard packed TSI elbows

Kathabar 4 has asbestos containing hard packed TSI elbows surrounding it.

Kathabar 5 and pumps are located by Pillar K-7 The Kathabar 5 unit did not contain any suspect ACM, however asbestos containing TSI was observed on pipelines directly above the unit The pumps have asbestos containing hard packed TSI elbows on associated pipelines

Kathabar 6 has asbestos containing hard packed TSI elbows surrounding the system. Note The brine supply and return valves located b K5 are asbestos free

Kathabar 9 is located by Pillar K-2W and is considered asbestos free.

Kathabar 2 is located by Pillar A-3 and is considered asbestos free The condensate steam pumps associated with Kathabar 2 have asbestos containing hard packed TSI elbows on the pipelines associated with the system.

Kathabar 1 is located by Pillar C-16 All associated insulation has been removed.

Set 49

Set 49 consists of the Modular Lab Asbestos containing sheet linoleum is present throughout the room The walls of the lab are metal with non-asbestos containing Styrofoam insulation on the inside

Set 50

Set 50 consists of all the administrative office rooms on the cold side of Building 776 Asbestos containing floor tile can be found in all rooms with the exception of Room 107 Transite walls are scattered throughout the set - see transite wall panel drawings for specific walls Asbestos containing TSI is located throughout the set with both hard pack elbows and straight sections containing asbestos Fiberglass TSI straight sections are also present - on domestic water lines Asbestos containing TSI is expected behind walls adjoining bathrooms - caution should be exercised when impacting walls.

Drywall is present throughout the set with non-asbestos containing metal seams rather than asbestos containing joint compound found in most areas Any drywall system containing joint compound should be treated as asbestos containing

Various ceiling tile are present throughout the set. All ceiling tile are considered asbestos free

Rooms 112 and 113C have asbestos free plaster ceiling texture Asbestos free structural beam texture is located throughout the set

Set 51

Set 51 consists of Room 154A. Asbestos containing transite wall panels are present. Asbestos containing hard packed TSI elbows are present on condensate steam lines. Drywall with asbestos containing joint compound is present on a couple walls. Duct insulation is non-asbestos containing fiberglass with tin foil.

Set 52

Set 52 is located in Room 134 and consists of two tanks (T-360 and T-370) and two gloveboxes ((GB-361 and GB-371). No suspect asbestos containing materials are directly associated with any of the tanks or gloveboxes, however asbestos containing hard packed (TSI) elbows are located on the wall directly behind the tanks and gloveboxes. Work activities on the tanks and gloveboxes should be reviewed to ensure the asbestos containing TSI is not disturbed during work activities.

Set 53

Set 53 consists of Room 152. No suspect asbestos containing materials were observed in this set.

Set 54

Set 54 consists of Rooms 153, 154, 154B, 155, 160 and 161B.

Room 154 has asbestos containing transite wall panels and drywall with asbestos containing joint compound (doorway to Room 154B). Asbestos-free insulation is located on and around the green tank located by pillars K-2W and K1.

Room 154B has asbestos containing wall panels and drywall with asbestos containing joint compound. Asbestos containing hard packed TSI elbows are present.

Room 161 has drywall with metal seams (no asbestos containing joint compound). Asbestos containing hard packed TSI elbows are present on pumped condensate line.

Room 161A has drywall with metal seams (no asbestos containing joint compound).

Set 55

Set 55 occupies a portion of Room 134. Asbestos containing transite wall panels are present. Asbestos containing hard packed TSI elbows are present.

Set 56

Set 56 consists of Room 161. No suspect asbestos containing materials were observed.

Set 57

Set 57 consists of Rooms 156, 159, 159A, 159B and 159C and Dock 5. Drywall with asbestos containing joint compound may be found throughout this set.

Room 159 has asbestos containing transite panels on the east and north walls.

Dock 5 has asbestos containing hard packed TSI elbows. Most of the TSI elbows are fiberglass with plastic covers, however some are still hard packed and asbestos containing.

Set 58

Set 58 consists of Rooms 157 and 158

Room 157 has asbestos containing floor tile (mastic is asbestos free) Ceiling tile in Room 157 are asbestos free

Room 158 has transite wall panels (see transite wall map for details) Asbestos containing hard packed (TSI) elbows are present throughout the room. Fiberglass ceiling panels do not contain asbestos

Set 59

Set 59 consists of Rooms 138, 139, 144 and 147 Room 139 is a stairway with no suspect asbestos containing materials

Room 144 has drywall with asbestos containing joint compound.

Room 147 is an elevator shaft – inaccessible

Room 138 has fiberglass TSI running through the room – no asbestos containing hard packed elbows observed

Set 60

Set 60 consists of Rooms 146, 146A, 146B and 146C Access to Size Reduction Area was not permitted.

Set 61

Set 61 includes Room 135 Drywall ceiling with asbestos containing joint compound is present Non-asbestos containing wool-like insulation is present on one tank and associated piping

Set 62

Set 62 is not clearly defined in the drawing provided. No observations were made

Set 63

Set 63 consists of Room 118, 118A, 118B, 118C, 118D, 118E, 118F, 118G and 118H Non-asbestos containing gray rubber-like ceiling panels are present in some areas of this set. Drywall with asbestos containing joint compound is present in rooms 118D and 118E

Set 64

Set 64 is in Room 134 and is the Hazwaste Treatment Area No asbestos containing materials were identified

Set 65

Set 65 consists of Rooms 127J, 136, 141, 148, 150 and 150A Asbestos containing transite wall panels are located along the entire south wall Samples were previously collected from Chiller #5 (1997) and found to contain asbestos (reference sample numbers 776-970408-69-01, 776-970408-69-02, 776-970408-69-09, 776-970408-69-10, 776-971125-01-12 though 15) Three other chillers are located in Room 150, Chillers #2 and #3 have asbestos containing insulation, Chiller #1 has asbestos free foam insulation

Tank NDT #2523 is considered asbestos free

TSI associated with the yellow diesel generator is considered asbestos free

12" x 12" floor tile in Room 150A is asbestos free

TSI throughout the room is mixed with various types of insulation used on similar systems or lines Numerous samples have been collected from Room 150 with mixed results For the purpose of demolition, all TSI in Room 150 should be treated as asbestos containing and removed by a licensed asbestos abatement contractor

Set 66

Set 66 consists of Rooms 130, 130A, 228, 209 and the Advanced Size Reduction system The Advanced Size Reduction area is inaccessible – no observations were made

Rooms 130 and 130A have drywall with asbestos containing joint compound.

Room 228 has asbestos containing hard packed TSI elbows and drywall with asbestos containing joint compound.

Room 209 was not accessed.

Set 67

Set 67 consists of Rooms 115, 116A and 134

Room 115 has asbestos containing hard packed TSI elbows on process lines

Room 116A does not have any suspect asbestos containing materials

Room 134 has drywall with asbestos containing joint compound and hard packed TSI elbows

Set 68

Set 68 consists of Rooms 127, 127A and 127B Rooms 127A and 127B did not contain any suspect asbestos containing materials

Room 127 has asbestos containing hard packed TSI elbows on process lines

Set 69

Set 69 consists of a tank farm in Room 127 No asbestos containing materials were identified on the tanks, however asbestos containing hard packed TSI elbows run through the tank farm. Work activities on the tanks may potentially disturb the TSI Potential disturbance of the TSI inside the tank farm should be reviewed prior to any work activities on the tanks

Set 70

Set 70 consists of the second floor office area in Buildings 776 and 777 Both areas have asbestos containing floor tile throughout the majority of the area In addition, asbestos containing hard packed TSI elbows were identified Plaster walls are non-asbestos containing Drywall with asbestos containing joint compound is present – see drywall drawing Transite wall board is present throughout Building 777 office area

Set 71

Set 71 has two locations. The condensate pumps located by Pillar K-11 have asbestos containing hard packed TSI elbows on the associated lines. The straight runs are fiberglass insulation and labeled "Asbestos Free", however the elbows are hard and contain asbestos.

The larger section of Set 71 is located within the boundary of Pillars E-13 to E-16 and H-13 to H-15. Asbestos containing hard packed TSI elbows are located throughout the set. Asbestos tape and mud is present on the fiberglass duct insulation – the material must be treated as ACM.

Set 72

Kathabar unit located between Pillars K-9 and K-11. The GBDA Kathabar has relatively new insulation and is different from insulation found throughout the second floor. Sample results indicate the material is asbestos free.

Set 73

Several different areas comprise Set 73. Each item in Set 73 is identified below.

- Machining Oil Tank located by Pillar E-14. No suspect ACM identified.
- Tape Machines located by Pillar D-12. Asbestos containing hard packed TSI elbows on process lines connected to tape machines.
- Supply Fan No 1 located by Pillar D-8. No suspect ACM identified.
- A S R.R.D A Area Supply and Flanders Bag-Out Housing located by Pillar D-8. No suspect ACM identified.
- ~~Pumps by Pillar G-7. Asbestos insulation has been removed, however process cooling water supply and return lines above pumps have asbestos containing hard packed TSI elbows and flanges.~~
- Glycol drum by Pillar H-7 have already been removed.
- Chillers by Pillar H-8 have plastic TSI elbows and fiberglass insulation on straight runs -- no suspect ACM remaining.
- Oil pumps between Pillars E-11 and E-12 have no suspect ACM.
- Equipment Item 232-017 by Pillar C-14 has no suspect ACM.
- HX pumps by Pillar J-6 are not insulated with the exception of the heat exchanger (450-778) which has fiberglass insulation. Asbestos TSI insulation is on the heating water return lines to the system (adjacent to Pillar K-6).
- FBI Air Dryer by Pillar K-6 has no suspect ACM.
- Plant Air Receiver (450-761) by Pillar K-6 has no suspect ACM.
- The Sullair (green) has asbestos containing hard packed TSI elbows.
- Health Physics Vacuum Pump by Pillar L-5 has no suspect ACM.
- Emergency Air Pumps between Pillars L-6 and L-7 have no suspect ACM.
- Blue Air Compressor Tank by K-11 has no suspect ACM on the tank.
- Hot Water Tank by Pillar F-2W (450-757) was previously sampled. Results of the previous sampling were not provided at the time of this writing. Based on visual observation by the on-site inspector, the tank appears to have asbestos containing insulation.
- Freon Cooler by Pillar B-2W was previously sampled. Results of the previous sampling were not provided at the time of this writing. Based on visual observation by the on-site inspector, the Freon Cooler appears to have asbestos containing insulation.
- Hot Water Tank by Pillar A-2W. The tank is green with non-asbestos containing fiberglass insulation around it. Asbestos containing hard packed TSI on pipe sections and elbows were identified around the tank.

Set 80

Set 80 consists of all the filter plenums and associated fans. The filter plenums were not accessed and no samples collected. The fans did not have any suspect asbestos containing materials.

Set 82

Set 82 was not entered.

Set 83

Set 83 consists of air plenums. The plenums were not entered and no samples collected.

SAMPLING SUMMARY

Suspect asbestos containing materials were collected throughout the Building 776/777 complex. The following tables represent the sample identification number, a written description of the material sampled, the sample location, and the analytical results. Each section represents similar material types followed by sample location drawing and photographs of some of the sampled materials.

Flooring Materials

Numerous different types of floor tile and linoleum were identified throughout the Building 776/777 complex. Nearly all the floor tile is asbestos containing – see the drawings for asbestos containing floor tile locations. The mastic for the different floor tile types was found to be asbestos free. Two different types of asbestos containing sheet linoleum were found in the contamination area (CA).

Another flooring material was identified on the floor throughout the entire CA. The material is a red epoxy-like sheet that covers the floor throughout the CA. The majority of the material is painted gray with the exception of a few rooms in which it is painted black or not painted at all. Sample analysis of the material determined it to be asbestos free.

Base cove material may be found throughout the complex. Sample results indicate the base cove mastic is not asbestos containing.

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Floor Tile - B776				Room #	% Asbestos
Sample Number	Sample Description			Room #	% Asbestos
776-092300-75-01	12" x 12" off-white with brown streaks, black mastic			111	tile - 4% chrysotile, mastic - ND
776-092300-75-02	12" x 12" off-white with brown streaks, black mastic			111	tile - 15% chrysotile, mastic - trace
776-092300-75-03	9" x 9" sandy with camel streaks, black mastic			111	tile - 15% chrysotile, mastic - trace (pt Count - trace)
776-092300-75-04	9" x 9" sandy with camel streaks, black mastic			111	tile - 15% chrysotile, mastic - trace (pt Count - trace)
776-092300-75-05	12" x 12" white with tan pattern, yellow mastic			111	tile - 15% chrysotile, mastic - ND
776-092300-75-06	miscellaneous - beneath 776-092300-75-05			111	tile - 15% chrysotile, mastic - trace (pt Count - trace)
776-092300-75-13	floor tile beneath carpet, yellow mastic (carpet & floor)			107	ND
776-092300-75-18	12" x 12" white w/gray pattern beneath carpet, yellow mastic			107	ND
776-092300-75-19	9" x 9" sandy with camel streaks, black mastic			107E	tile - 15% chrysotile, mastic - ND
776-092300-75-22	9" x 9" (pattern hidden by carpet mastic), yellow mastic			108	tile - 15% chrysotile, mastic - ND
776-092300-75-23	9" x 9" rose, black mastic			106D	tile - 4% chrysotile, mastic - ND
776-092300-75-24	12" x 12" tan with brown streaks, black mastic			120	tile - 3% chrysotile, mastic - ND
776-092300-75-25	12" x 12" tan with brown streaks, black mastic			120	tile - 3% chrysotile, mastic - ND
776-092300-75-42	12" x 12" brown w/white & tan, yellow mastic			234	tile - 3% chrysotile, mastic - not analyzed
776-092300-75-43	12" x 12" brown w/white & tan, yellow mastic			234	tile - 4% chrysotile, mastic - ND
776-092300-75-45	9" x 9" rose, black mastic			233B	tile - 15% chrysotile, mastic - ND
776-092300-75-46	9" x 9" rose, black mastic			233B	tile - 15% chrysotile, mastic - ND
776-092300-75-48	12" x 12" tan w/ brown & white, black mastic			232A	tile - 6% chrysotile, mastic - ND
776-092300-75-49	12" x 12" white with tan pattern, yellow mastic			231	tile - 15% chrysotile, mastic - ND
776-092300-75-50	9" x 9" rose, black mastic (beneath 776-092300-75-49)			231	tile - 15% chrysotile, mastic - trace (pt Count - 0.25%)
776-092300-75-51	9" x 9" rose, black mastic (beneath 776-092300-75-49)			231	tile - 15% chrysotile, mastic - ND
776-092300-75-52	12" x 12" white with tan pattern, yellow mastic			231	tile - 15% chrysotile, mastic - trace (pt Count - ND)
776-092300-75-56	9" x 9" tan w/ brown & white, black mastic			225	tile - 6% chrysotile, mastic - ND
776-092300-75-57	9" x 9" tan w/ brown & white, black mastic			225	tile - 6% chrysotile, mastic - ND
776-09292000-05-013	12" x 12" white with blue streak, yellow mastic			150	ND
776-09292000-05-014	12" x 12" white with blue streak, yellow mastic			150	ND
776-10072000-05-003	12" x 12" off-white with brown streaks, black mastic			157	tile - 3% chrysotile, mastic - ND
776-11162000-05-007	white/yellow sheet linoleum			125	20% chrysotile
776-11162000-05-008	white/yellow sheet linoleum			125	25% chrysotile
776-11162000-05-017	12" x 12" white w/gray pattern beneath carpet, black mastic			102, Pillar A4	ND

Floor Tile - B777			
Sample Number	Sample Description	Room #	% Asbestos
777-10072000-05-004	linoleum - tan and orange	Mod AB	25% chrysotile
777-10072000-05-005	linoleum - tan and orange	Mod AB	25% chrysotile
777-10072000-05-007	9" x 9" red, black mastic (painted gray)	477	tile - 10% chrysotile, mastic - ND
777-10072000-05-008	9" x 9" red, black mastic (painted gray)	477	tile - 10% chrysotile, mastic - ND
777-10072000-05-019	9" x 9" white w/ blue streaks, black mastic	401	tile - 3% chrysotile, mastic - ND
777-10072000-05-020	9" x 9" white w/ blue streaks, black mastic	401	tile - 3% chrysotile, mastic - ND
777-10072000-05-021	12" x 12" white (stairway up)	401	tile - ND, mastic trace chrysotile - pt Count trace
777-10072000-05-022	floor tile beneath (777-10072000-05-021), black mastic	401	tile - ND, mastic trace chrysotile - pt Count trace
777-10242000-05-001	9" x 9" rose, black mastic	302	tile - 5% chrysotile, mastic ND
777-10242000-05-001	9" x 9" rose, black mastic	302	tile - 5% chrysotile, mastic ND
776-11162000-05-015	12" x 12" white w/gray, black mastic (see 017)	415, Pillar B19	None Detected
776-11162000-05-016	12" x 12" white w/gray, black mastic (see 017)	415, Pillar B19	None Detected
776-11162000-05-010	red plastic floor covering (painted gray)	430	None Detected
776-11162000-05-011	red plastic floor covering	428	None Detected
776-11162000-05-012	gray flooring plaster/cement	464	None Detected
776-11162000-05-013	9" x 9" blue floor tile, black mastic	415, Pillar B19	tile - 10% chrysotile, mastic - ND
776-11162000-05-014	9" x 9" blue floor tile, black mastic	415, Pillar B19	tile - 10% chrysotile, mastic - ND
776-10242000-05-003	concrete floor	235	ND
776-10242000-05-004	concrete floor	235	ND
776-10242000-05-005	concrete floor	235	ND

Base Cove - B776 & B777			
Sample Number	Sample Description	Room #	% Asbestos
776-092300-75-09	brown base cove and brown mastic	111	trace chrysotile - pt Count 0 25%
776-092300-75-17	black base cove and brown mastic	107	ND
776-092300-75-41	black base cove and brown mastic	104	ND
776-10072000-05-004	brown base cove and yellow mastic	157	ND
777-10072000-05-009	black base cove and brown mastic	477	mastic trace chrysotile - pt Count trace
777-10072000-05-023	brown base cove and brown mastic	401	ND
777-10072000-05-027	blue base cove and brown mastic	404	trace actinolite, anthophyllite & tremolite - pt Count trace
777-10242000-05-003	black base cove and brown mastic	301	trace anthophyllite - pt Count trace

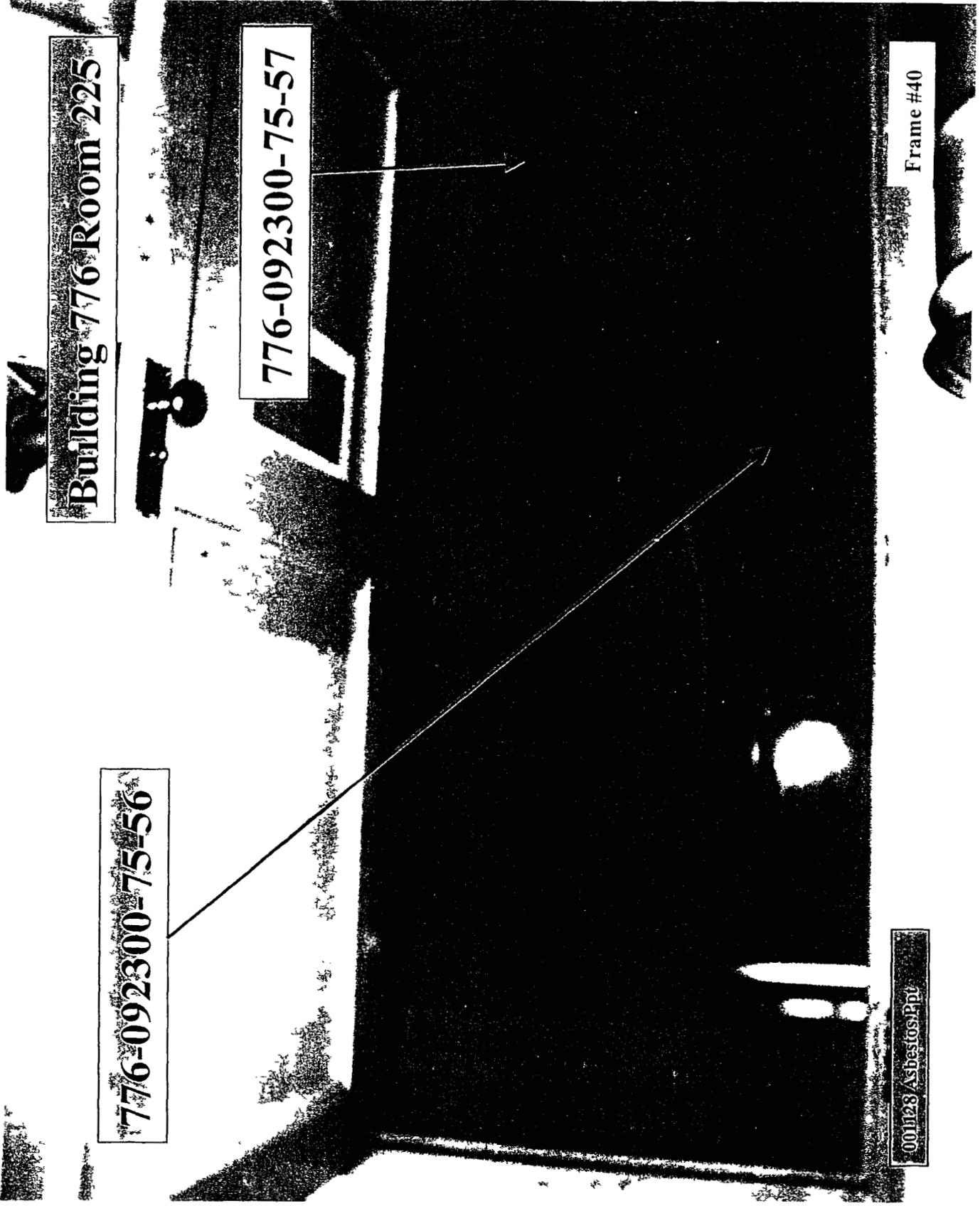
Building 776 Room 225

776-092300-75-56

776-092300-75-57

001128 Asbestos.Ppt

Frame #40

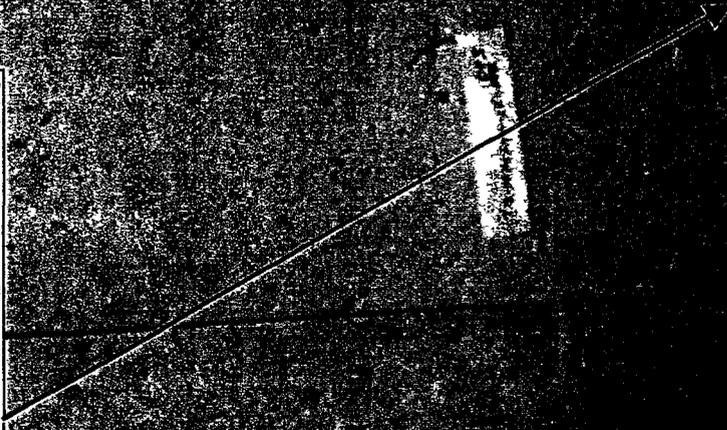


Building 776 Room 235

776-10242000-05-003

Frame #23

001128 Asbestos Print



Building 776 Room 150

776-09292000-05-013

776-09292000-05-014

Frame #11

001128 AsbestosApp

Building 776 Room 102

776-11162000-05-017
•12" X 12" Floor Tile

Frame #1

001128 Asbestos .ppt

Building 777. Room 301

777-10242000-05-003

•Base Board

777-10242000-05-002

•Floor Tile

Frame #40

001104 Asbestos Ppt

Building 777, Room 302

777-10242000-05-001
•Floor Tile

Frame #39

001102 Asbestos Ppi



Building 777 Room 477

777-10072000-05-009

•Base Board

777-10072000-05-007

•Floor Tile

Frame #38

001104 Asbestos Ppu

Building 777, Modulabs

Module AB

777-10072000-05-004

•Linoleum

777-10072000-05-004

•Linoleum

Frame #37

001104 Asbestos Ppt

Building 776 Room 157

777-10072000-05-003
• 12" X 12" Floor Tile



Frame #26

001104 Asbestos Ppl

Building 776, Room 111,
Pillar B-3

776-092300-75-05
•Floor Tile 12" X 12"

776-092300-75-06
•Second Floor Tile layer
beneath 12" X 12"

Frame #21

776 092300 75 05
776 092300 75 06

001104 Asbestos Ppt

Building 776 Room 111

776-092300-75-01
•Floor Tile 12" X 12"

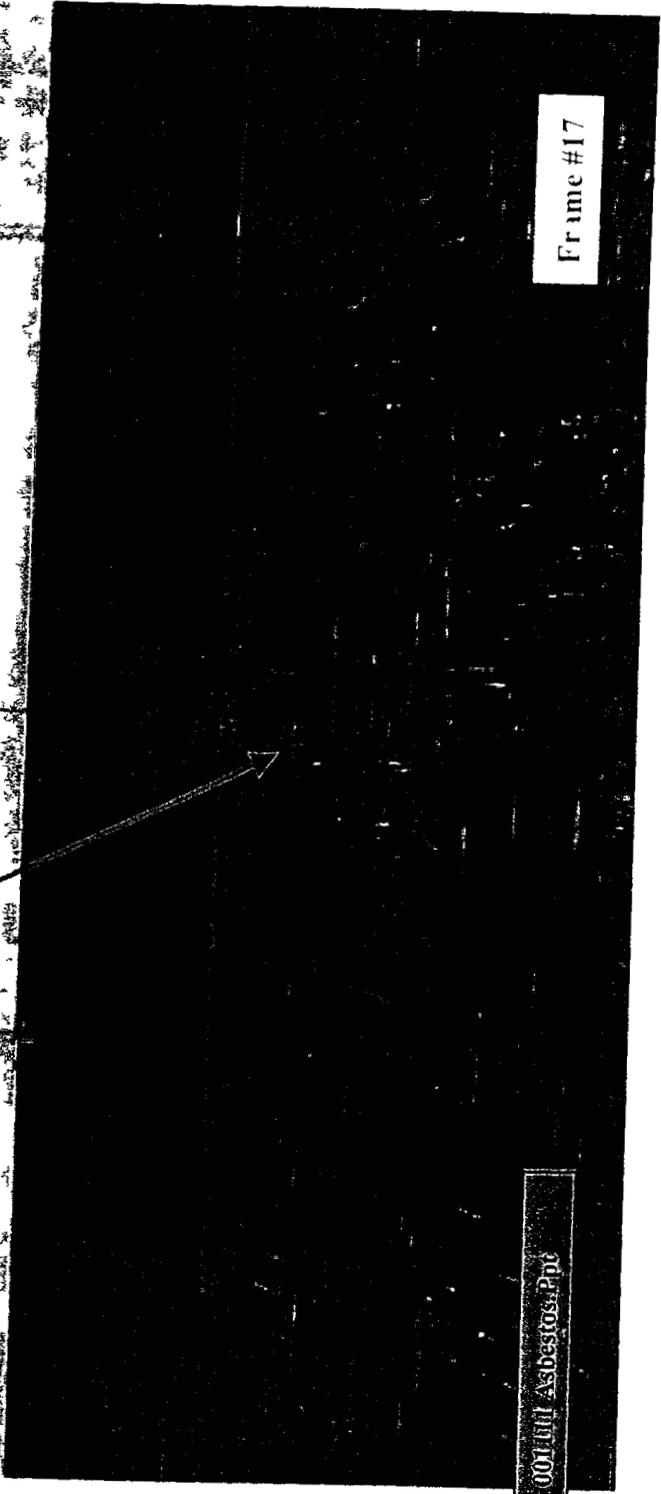
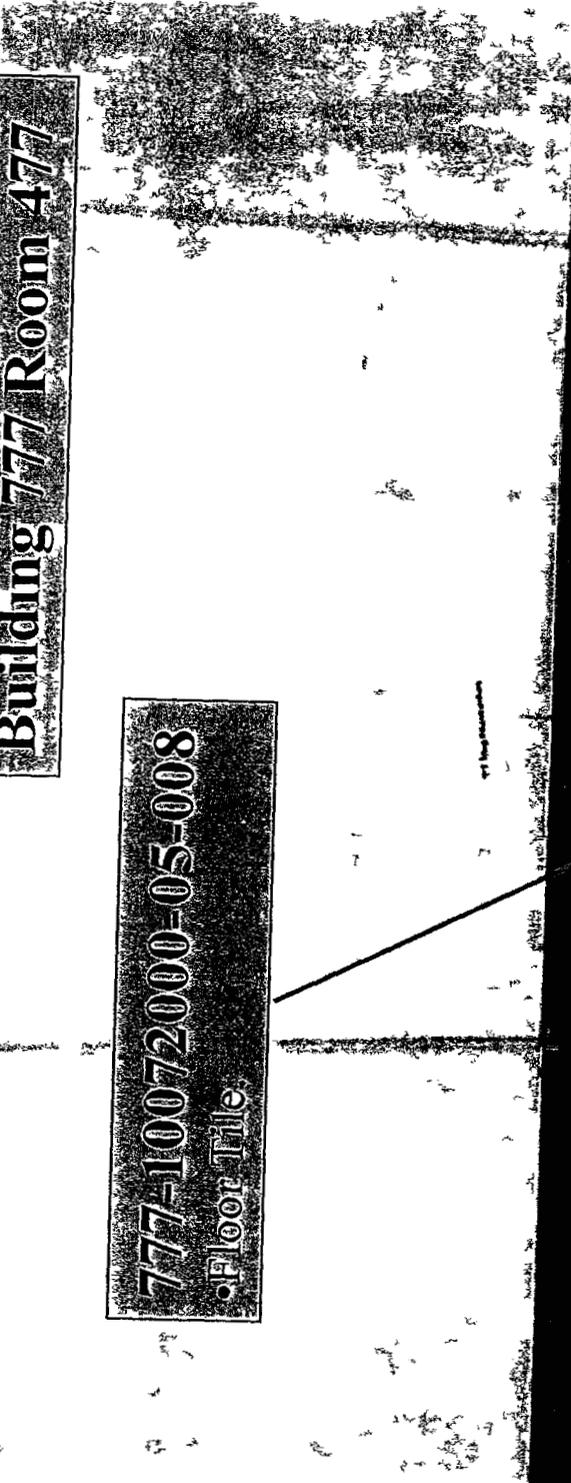
776-092300-75-01

Frame #20

001104 Asbestos Ppt

Building 777 Room 477

777-10072000-05-008
Floor Tile



001111 Asbestos Ppt

Frame #17

Building 777 Room 477

777-10072000-05-009

•Base Board

777-10072000-05-007

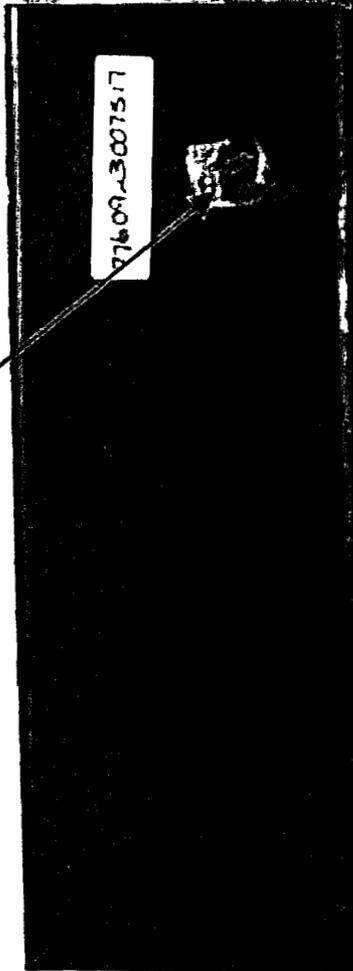
•Floor Tile

000000 Asbestos Ppt

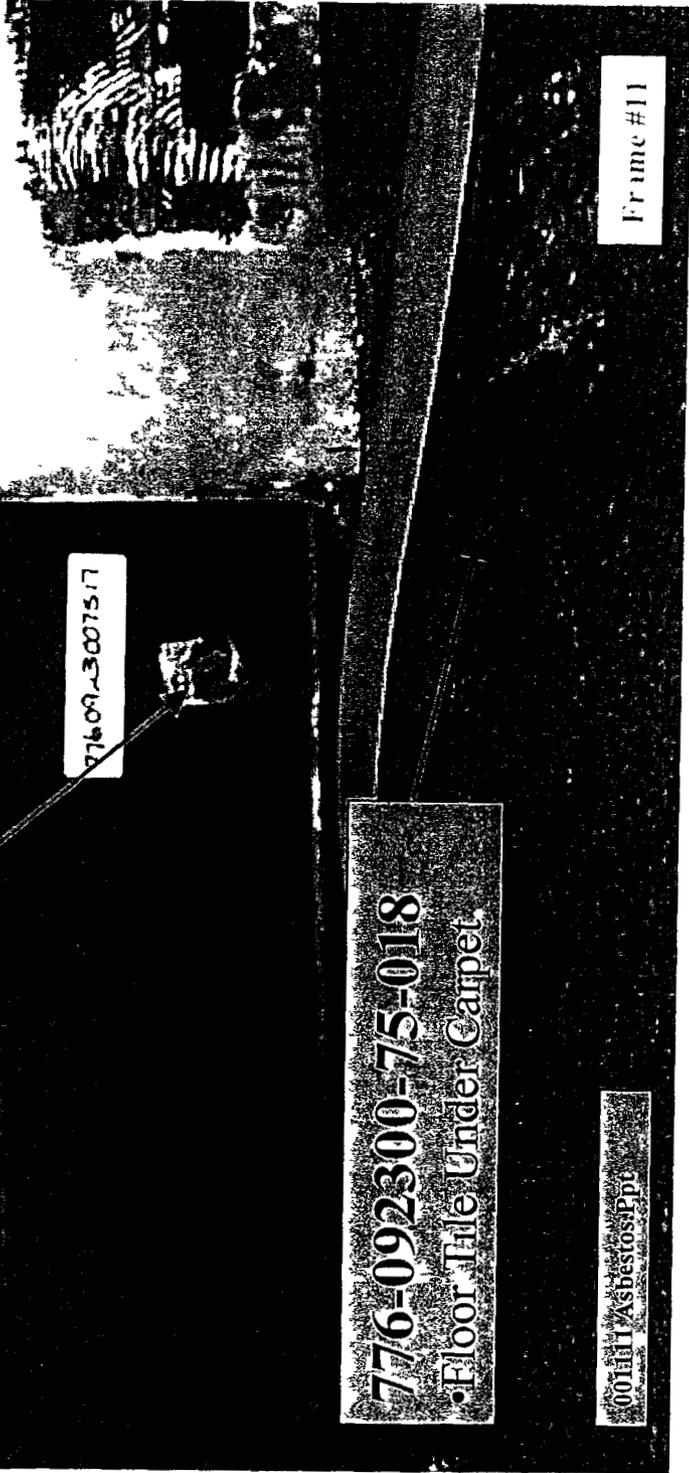
Frame #16

Building 776 Room 107

776-092300-75-017
Base Board with Mastic.



776-092300-75-018
Floor Tile Under Carpet



00111 Asbestos Pps

Frame #11

Building 776 Room 233B

776-092300-75-046
9" X 9" Floor Tile

Frame #4

00 Fill Asbestos Ppf

Building 776 Room 234

776-092300-75-42

12" X 12" Floor Tile

001011 Asbestos Ppt

Frame #3

Building 776 Room 104

776-092300-75-41

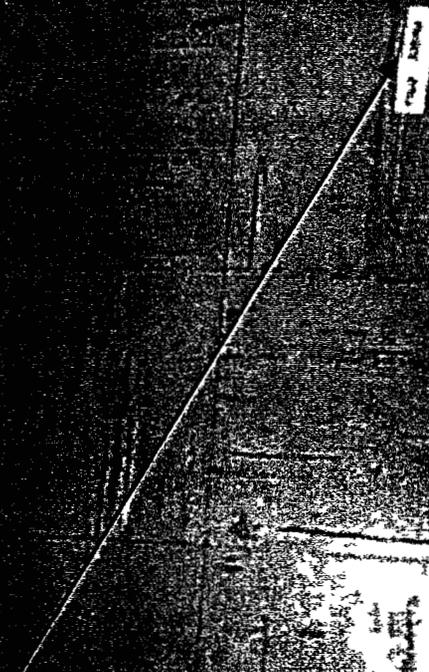
Black Base Cove

00761 Asbestos.Ppt

Frame #2

Building 776 Room 106D

776-092300-75-023
.9" X .9" Floor Tile



776-092300-75-023

001111 Asbestos D.p.c

Frame #1

Thermal System Insulation

Thermal system insulation samples were collected throughout the Building 776/777 complex. During the inspection of the complex, it became obvious that several different types of insulation were used throughout its history. Efforts were made to collect samples from the different types of insulation. The sample results did not provide definitive information regarding asbestos-free versus asbestos-containing insulation. EPA regulations specify that if any one sample in a homogeneous set contains greater than one percent asbestos, then the entire homogeneous set must be considered asbestos containing. The following general consistencies should be used as guidance throughout the complex.

- Nearly all domestic hot and cold water lines have fiberglass insulation on the straight run and asbestos containing hard packed elbows and flanges
- Steam lines typically have fiberglass insulation on straight runs and asbestos containing hard packed elbows and flanges. Asbestos containing block insulation was identified in some areas (above B776 doorway entrance)
- Duct insulation throughout the second floor is fiberglass, however the tape and mud used to secure the fiberglass insulation contains asbestos and is friable
- Any hard packed elbow or flange insulation should be considered asbestos containing
- Any hard packed straight pipe insulation sections should be considered asbestos containing

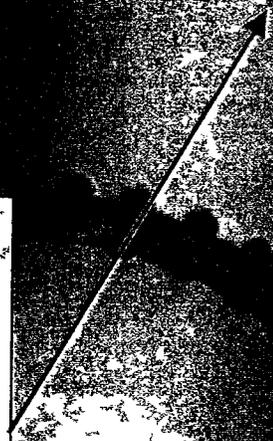
Thermal System Insulation - B776			
Sample Number	Sample Description	Room #	% Asbestos
776-09292000-05-001	exterior steam line - east side of building		
776-09292000-05-003	Chiller #5	150	15% amosite
776-09292000-05-004	elbow, pumped condensate line attached to heater - Pillar LA-4A	150, Pillar LA-4A	Trace chrysotile, PC - 0 25% ND
776-09292000-05-005	elbow, brine return	150	ND
776-09292000-05-006	straight run, on chiller #4, Pillar LA-4A	150, Pillar LA-4A	ND
776-09292000-05-007	straight run, on chiller #4, Pillar LA-4A (blue styrofoam)	150, Pillar LA-4A	ND
776-09292000-05-008	elbow, brine supply, 1-inch line, Pillar LA-4A	150, Pillar LA-4A	1% amosite
776-09292000-05-009	Tank insulation, bottom edge, NDT#2523	150	ND
776-09292000-05-010	Tank insulation, mid section, NDT #2523	150	ND
776-09292000-05-011	elbow, painted green, cooling water return, yellow diesel generator	150	ND
776-09292000-05-012	straight run, painted green, cooling water supply, yellow generator	150	ND
776-092300-75-10	elbow, domestic hot water line - mudded	111	7% chrysotile
776-092300-75-11	straight run, domestic hot water line - fiberglass	111	ND
776-092300-75-33	elbow, domestic hot water line - mudded - entrance to B776	102	3% chrysotile, Trace amosite
776-092300-75-34	straight run, domestic hot water line - hard pack	102	40% chrysotile
776-092300-75-35	straight run, domestic hot water recirculate - hard pack	102	40% chrysotile
776-092300-75-36	elbow, domestic hot water recirculate - mudded	102	2% chrysotile, Trace amosite
776-092300-75-37	elbow, steam line (fiberglass)	102	ND
776-092300-75-38	elbow, pumped condensate steam	102	1% amosite
776-092300-75-39	straight run, pumped condensate steam, hard pack	102	40% chrysotile
776-092300-75-55	duct insulation, white tape and wrap over fiberglass, Pillar B6	201A, Pillar B6	70% chrysotile
776-092300-75-60	elbow, condensate steam line	228	ND
776-092300-75-61	elbow, Area 1 inert supply zone 184	228	ND
776-092300-75-66	straight run, Pillar L5	227, Pillar L5	38% chrysotile, 17% amosite
776-092300-75-67	elbow, steam line	227, Pillar L5	ND
776-092300-75-68	straight run, brine supply, styrofoam	227, between L5 & K5	ND
776-092300-75-69	insulation wrap on GBDA Kathabar Unit B	208	ND
776-092300-75-70	insulation on Brine Supply, styrofoam	208	ND
776-092300-75-71	elbow, condensate steam line	208	ND
776-092300-75-72	insulation wrap over blue styrofoam on refrigerant tank	208	ND

776-092300-75-76	elbow, domestic cold water	208, Pillar D16	ND
776-092300-75-77	mud compound (main line is foam)	208, Pillar E14	15% chrysotile
776-092300-75-78	elbow, brine supply, (labeled asbestos)	208 between E14 & F14	ND
776-092300-75-79	duct insulation, tape and insulation	208, Pillar F13	50% chrysotile
776-092300-75-80	elbow, 125 steam line	208, Pillar D9	ND
776-10072000-05-012	elbow, inert supply to glove boxes	154, Pillar H-2W	Trace in mud - Pt count trace
776-10072000-05-013	straight run, inert supply to glove boxes	154, Pillar H-2W	ND
776-10072000-05-014	elbow, condensate steam line above green tank	154, Pillar K-1	ND
776-10072000-05-015	straight, condensate steam line above green tank	154, Pillar K-1	ND
776-10072000-05-016	valve, condensate steam line above green tank	154, Pillar K-1	ND
776-10072000-05-017	elbow, condensate steam line	154, Pillar L2	ND
776-10072000-05-019	elbow, condensate steam return	134, Pillar L4	ND
776-10072000-05-020	elbow, condensate steam	127, Pillar K12	ND
776-10072000-05-021	straight run, condensate steam	127, Pillar K12	ND
776-10242000-05-001	wrap insulation, white	135	ND
776-10242000-05-002	wrap insulation, white	135	ND
776-10242000-05-006	flange, steam line, labeled asbestos free	235	Trace chrysotile, Pt Count-ND
776-10242000-05-007	elbow, condensate steam line	235	ND

Thermal System Insulation - B777			
Sample Number	Sample Description	Room #	% Asbestos
777-10072000-05-016	elbow to heater	468	trace amosite, pt Count trace
777-10072000-05-024	elbow, domestic cold water	405	1% chrysotile, 1% amosite
777-10072000-05-025	straight run, domestic cold water	405	ND
777-10072000-05-026	straight run	406	ND
777-10072000-05-028	elbow, heating water return	404	2% amosite, trace chrysotile
777-10072000-05-029	straight run, heating water return	404	ND
777-10072000-05-035	straight run, brine supply (styrofoam)	241	ND
777-10072000-05-036	elbow, brine return	241	2% amosite, 1% chrysotile
777-10072000-05-037	white powder - vessel 450-772-399-201-77-14-392-08	241	10% chrysotile, 2% amosite
777-10072000-05-038	elbow, condensate line (new)	241	1% chrysotile, 2% amosite
777-10242000-05-006	elbow, heating water return	301	5% amosite, trace chrys & croc
777-10242000-05-007	straight run, heating water return	301	3% chrysotile in paint

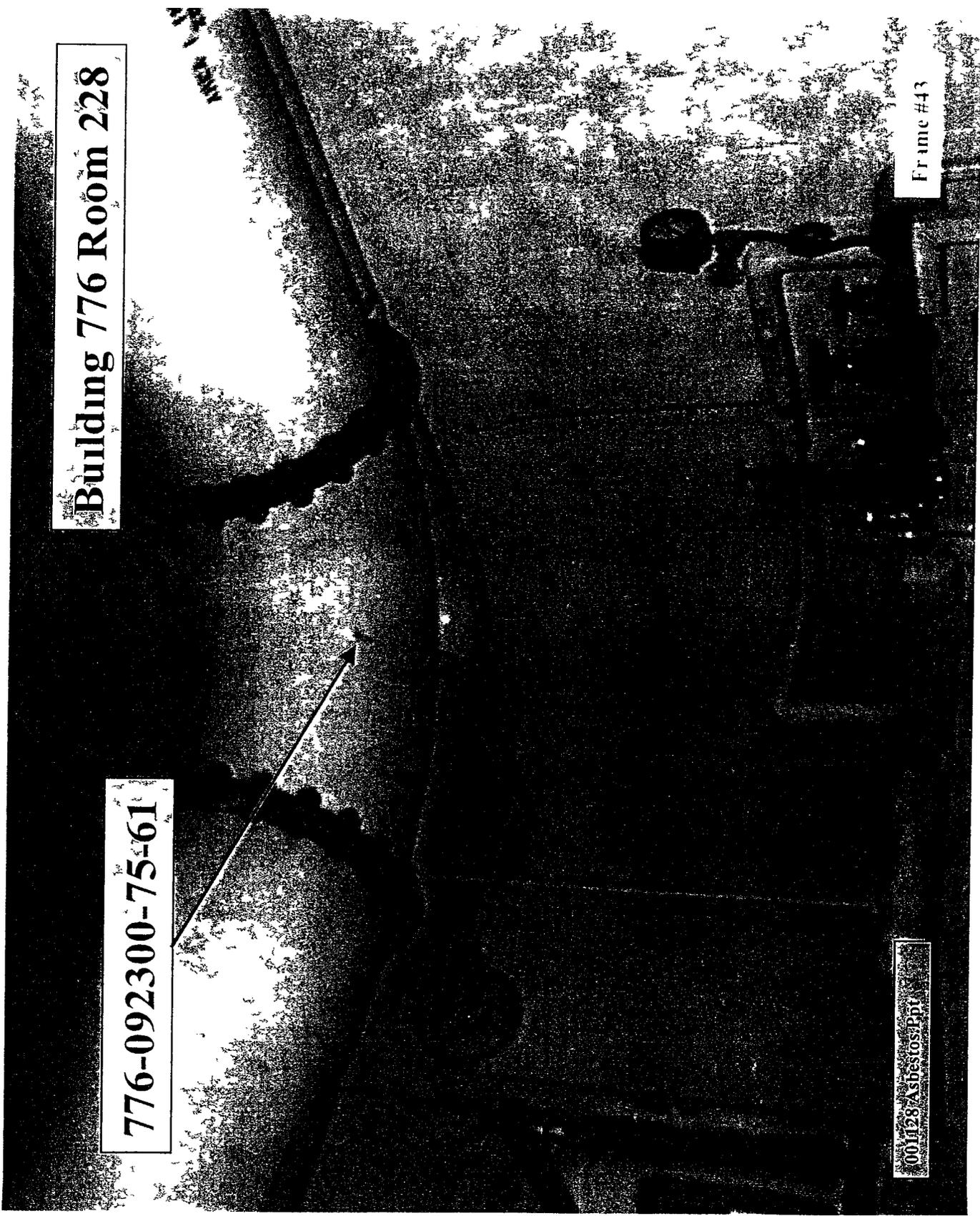
Building 776 Room 228

776-092300-75-61



001128 Asbestos Ppt

Frame #43

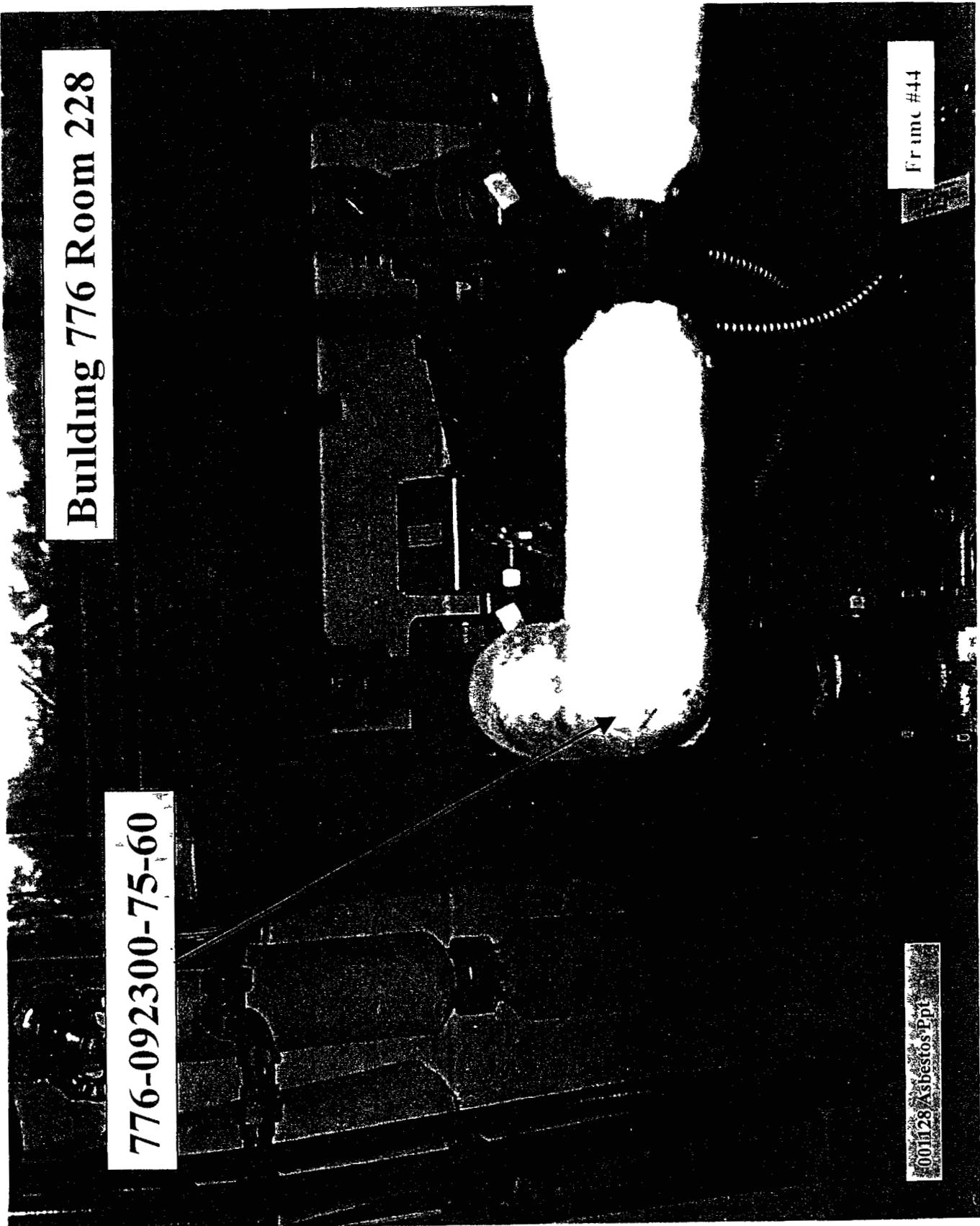


Building 776 Room 228

776-092300-75-60

Frame #44

00 Jul 28 / Asbestos Ppt



Building 776 Room 228

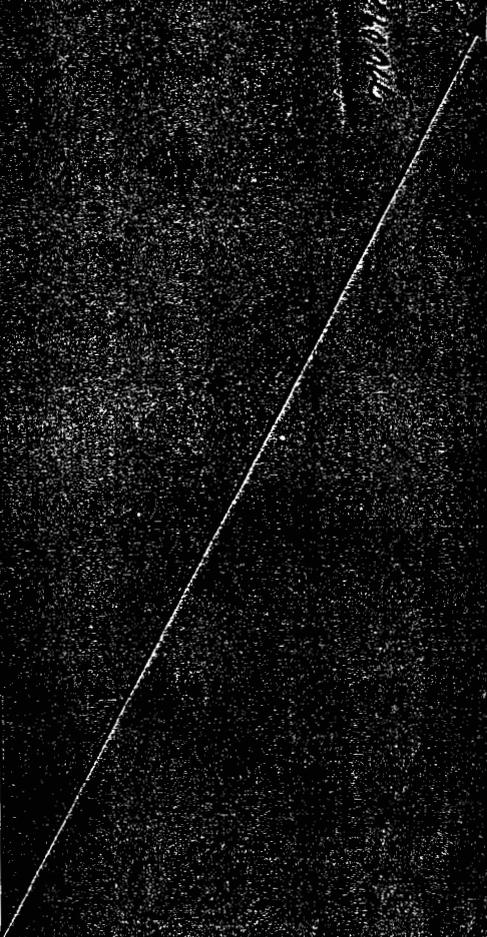
776-092300-75-80

Frame #45

001128/Asbestos-Pip

11/12/5

776-092300-75-80



Building 776 Room 228

Pillar D-9

776-092300-75-80

ASBESTOS FREE

STEAM 125

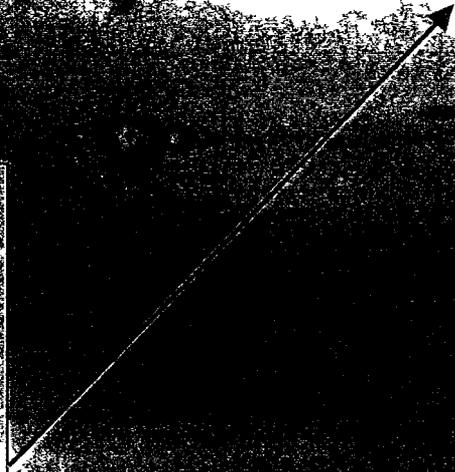
Frame #46

001128/Asbestos Ppt

Building 776 Room 237

Frame #39

Tank not sampled -
Suspected ACM



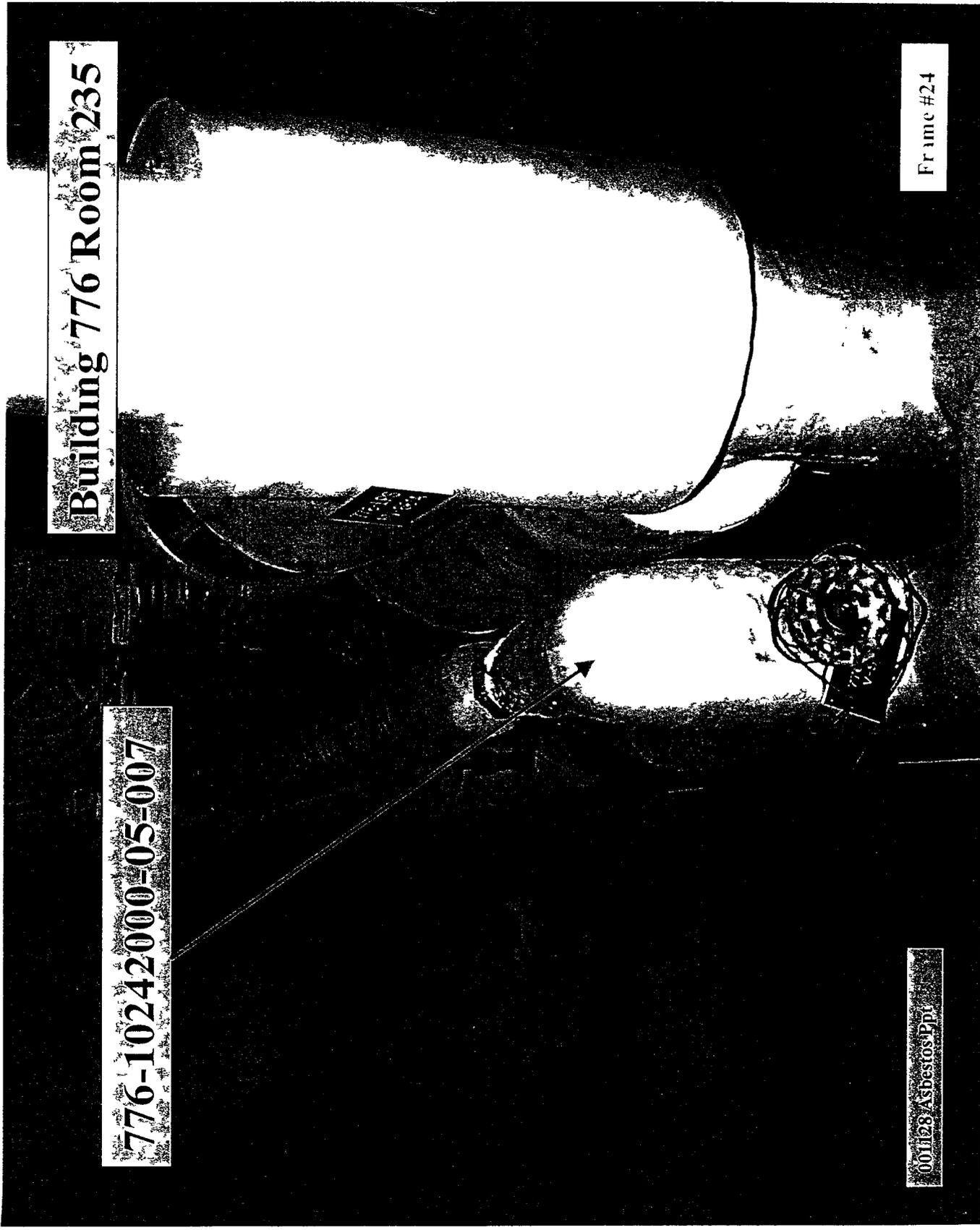
001128 Asbestos Ppt

Building 776 Room 235

776-10242000-05-007

Frame #24

001128 Asbestos Ppy

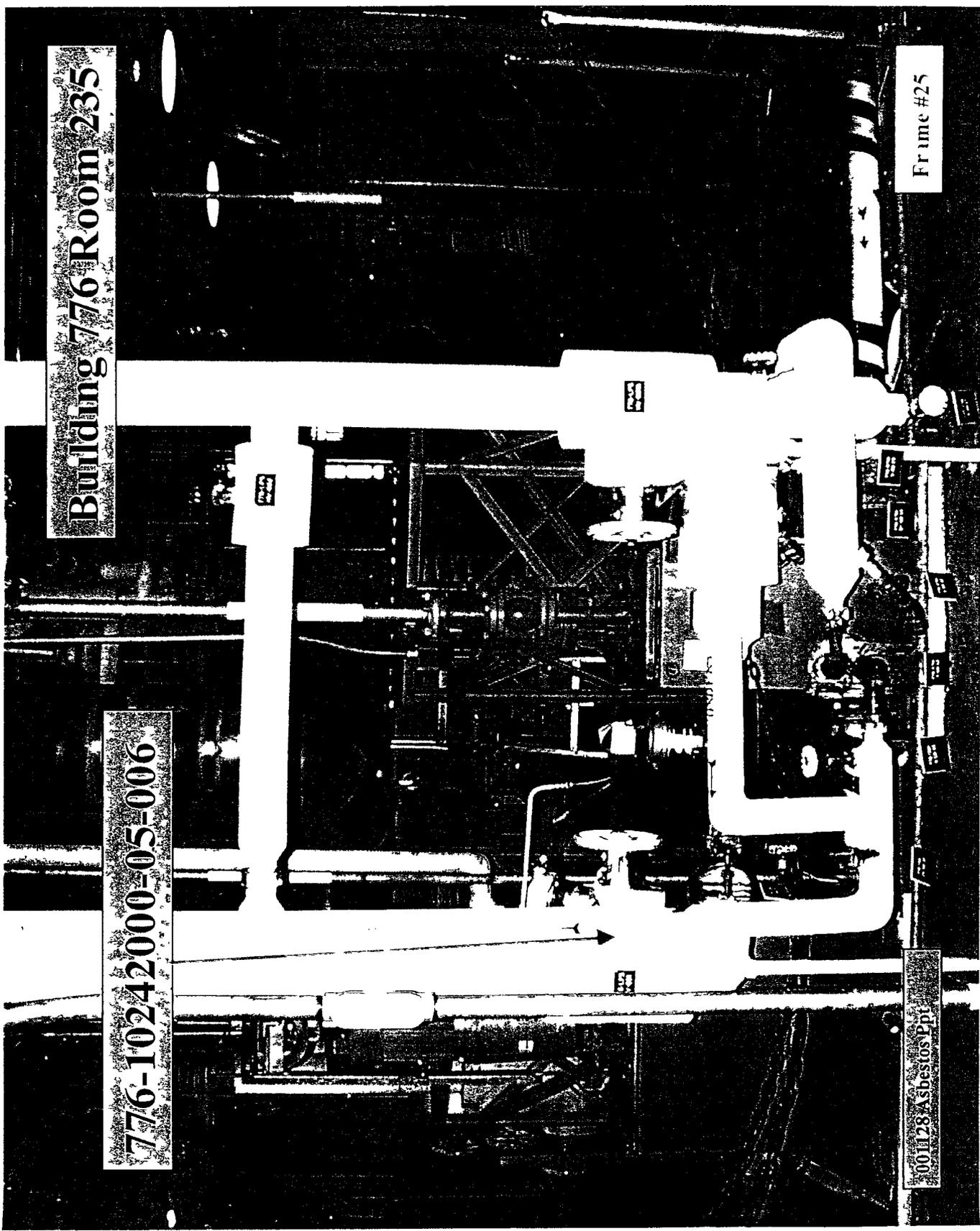


Building 776 Room 235

776-10242000-05-006

Frame #25

001128 Asbestos Ppr



Building 776 Room 235

776-10242000-05-007

Frame #26

001128 Asbestos Ppt

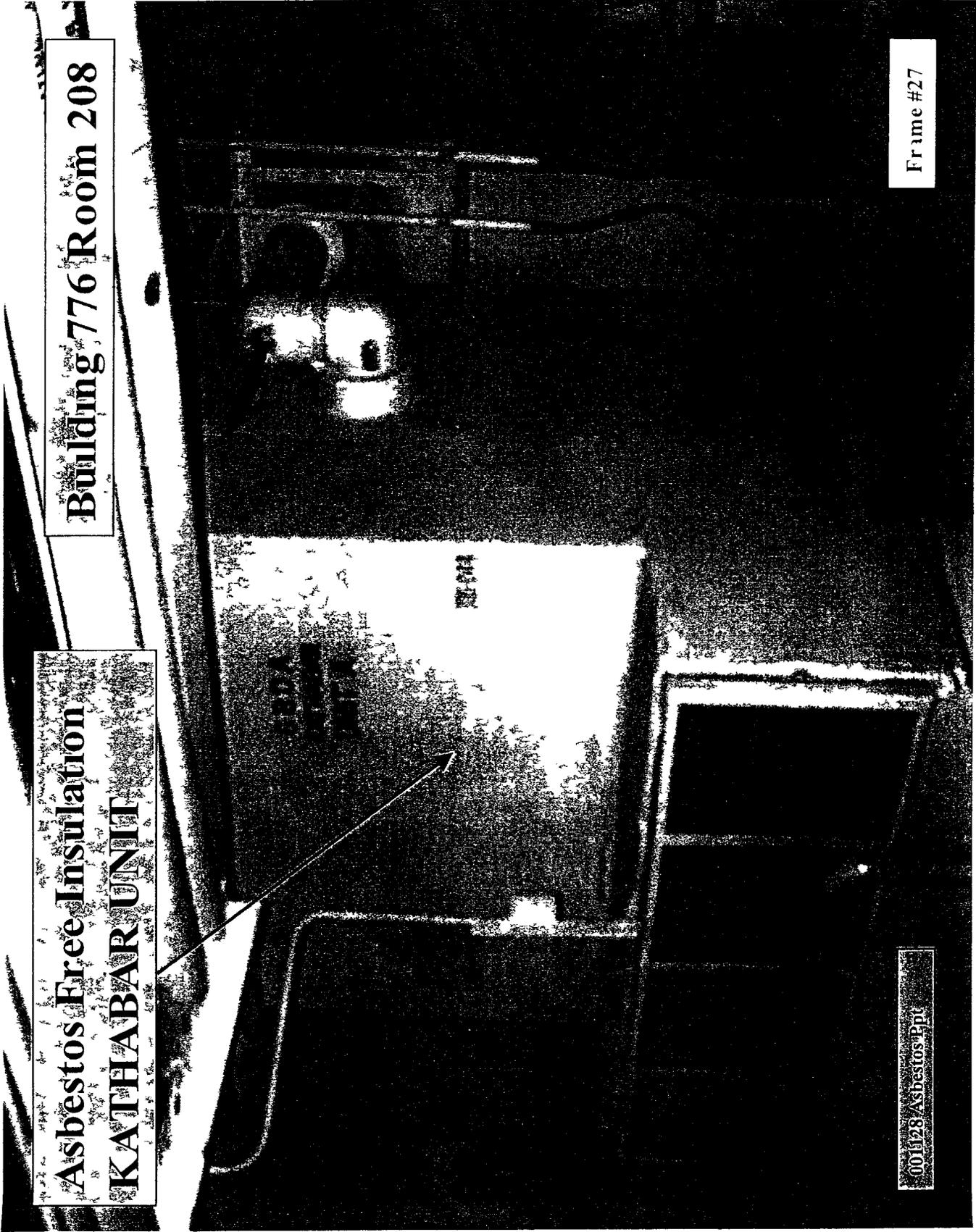


Building 776 Room 208

Asbestos Free Insulation
KATHABAR UNIT

Frame #27

00128 Asbestos Ppt



Building 776 Room 208
GBDA Unit B

776-092300-75-69

776-092300-75-69



Frame #28

001128 Asbestos Ppt

Building 776 Room 208

776-092300-75-70

Frame #29

001128/Asbestos Ppt

BRANN

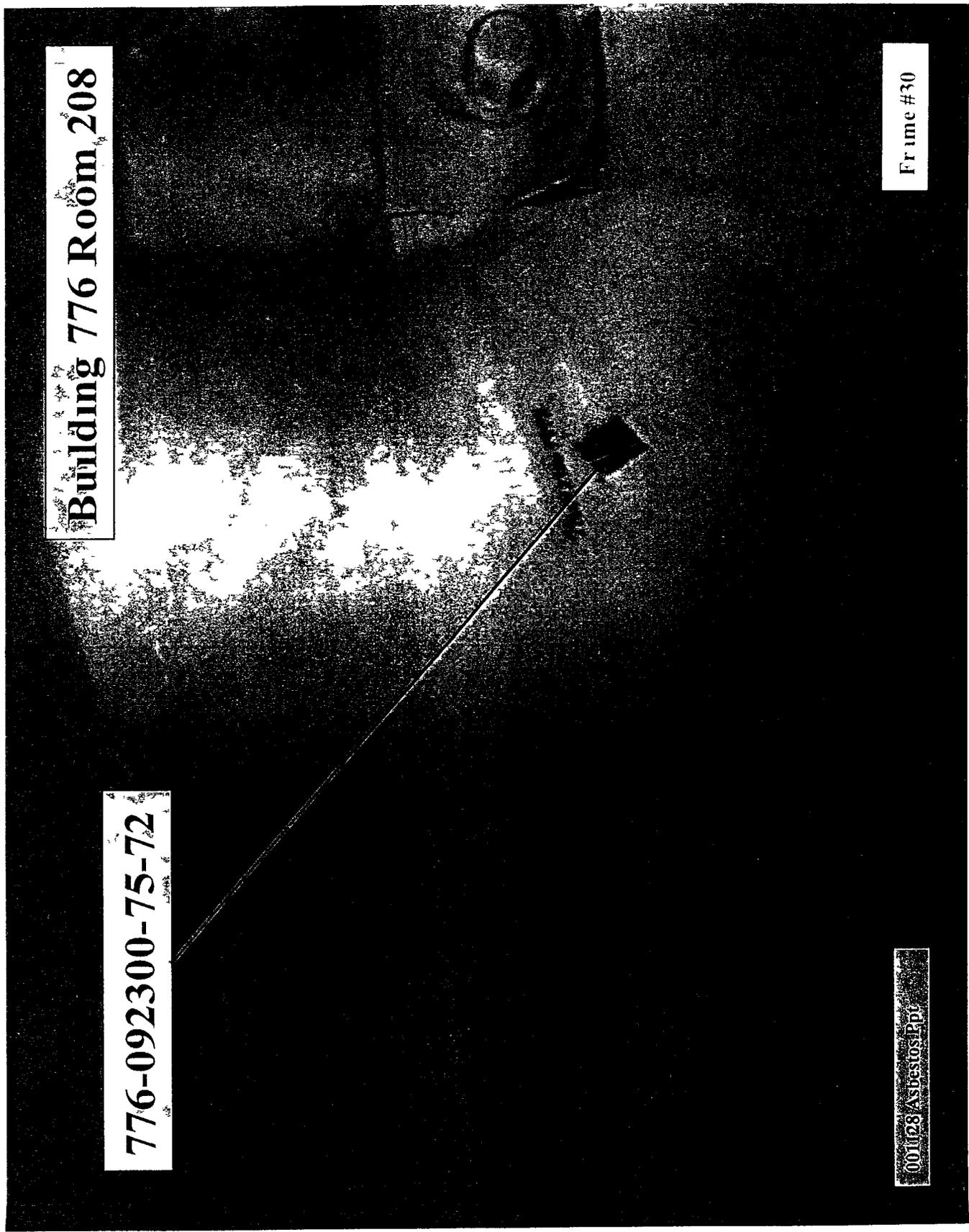


Building 776 Room 208

776-092300-75-72

Frame #30

001128 Asbestos Ipp



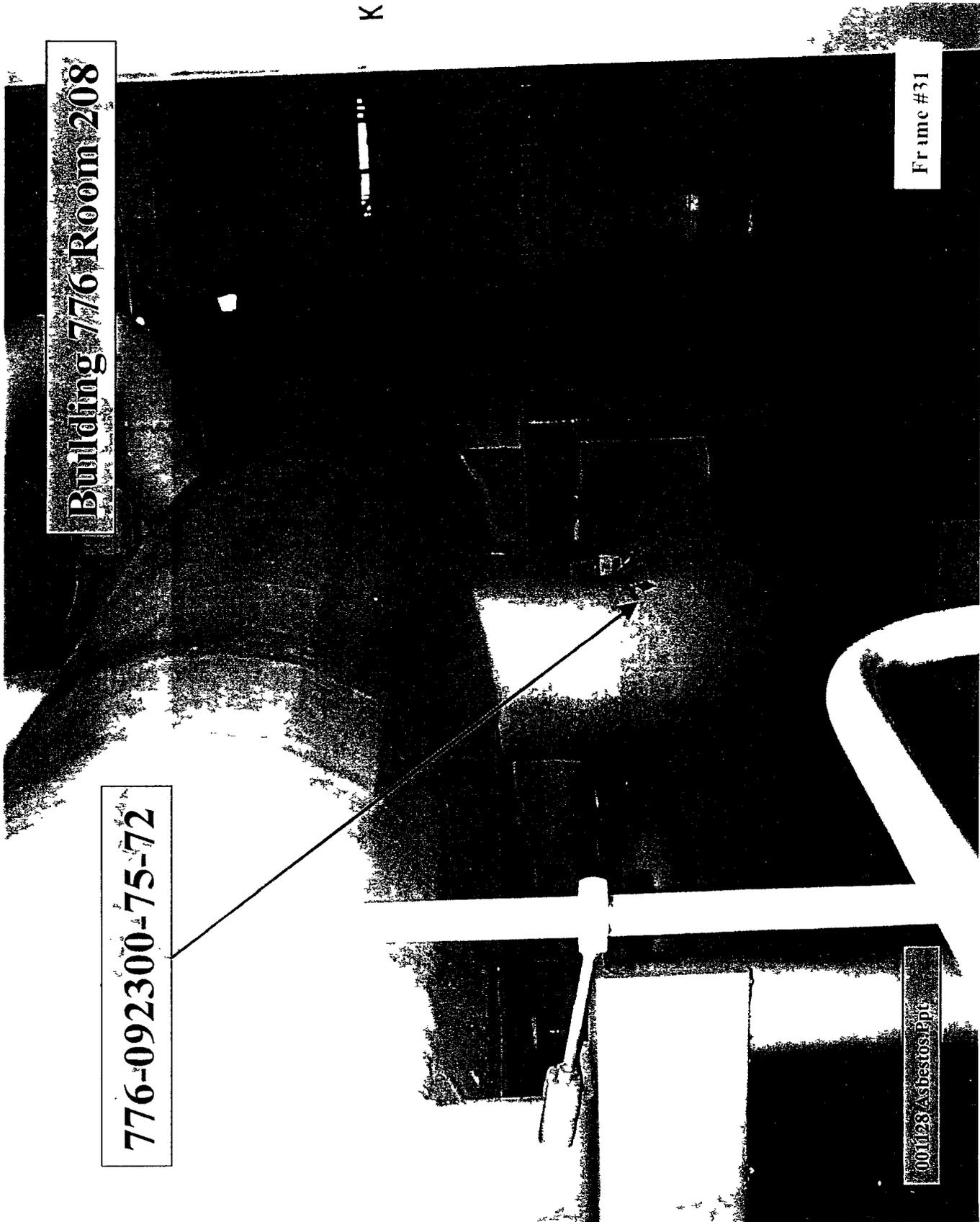
Building 776 Room 208

776-092300-75-72

Frame #31

001123 Asbestos Ppt

K



Building 776 Room 227
(Between Pillars L-5 & K-5)

776-092300-75-68

776092300 7568

00128 Asbestos Ppr

BRINE

Frame #32

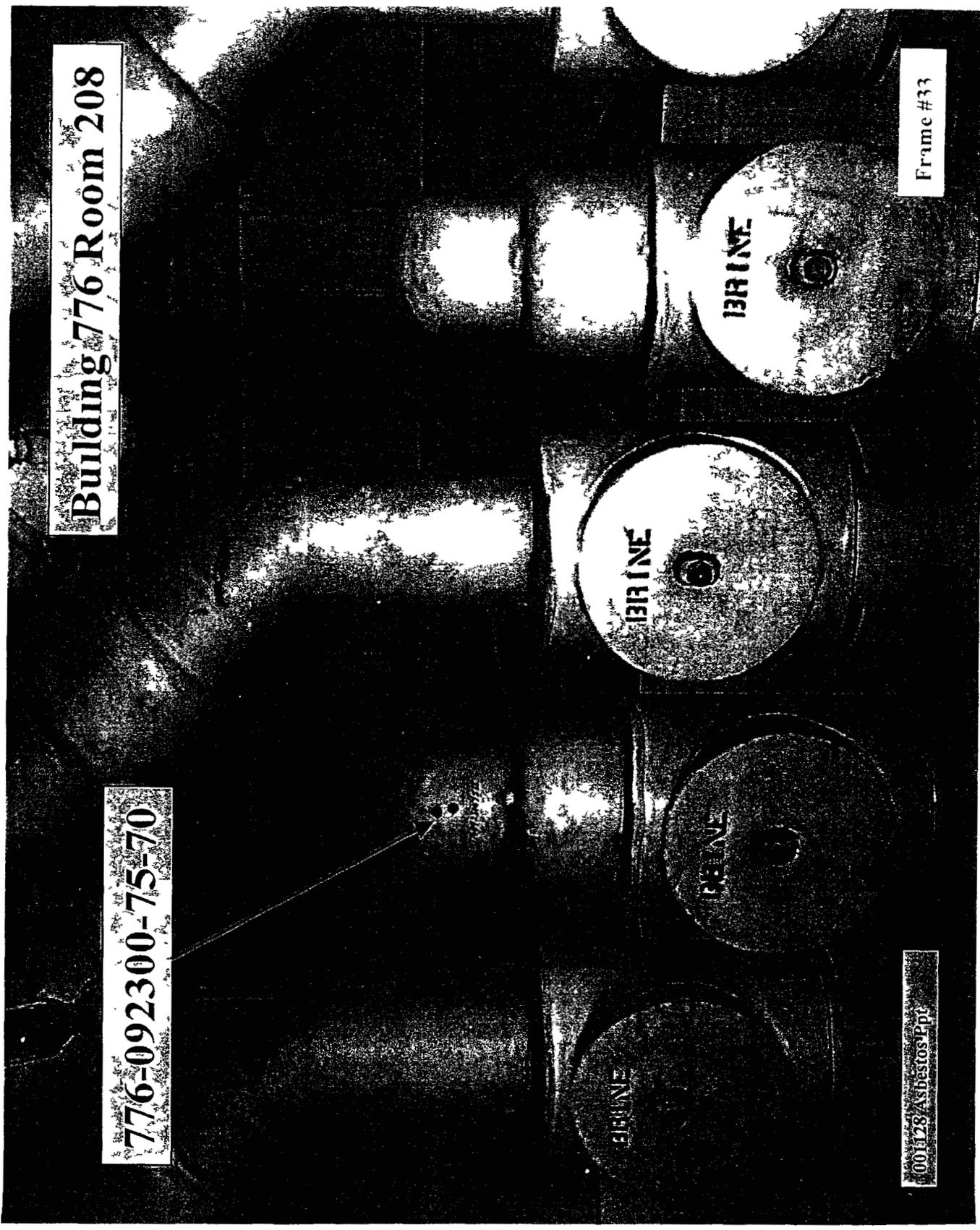


Building 776 Room 208

776-092300-75-70

Frame #33

00128/Asbestos Ppt



Building 776 Room 227
Pillar L-5

776-092300-75-65

776-092300-75-66

Frame #34

001028/Asbestos/Pl

Building 776 Room 227

Pillar L-5

776-092300-75-67

776-092300-75-67

STEAM 125

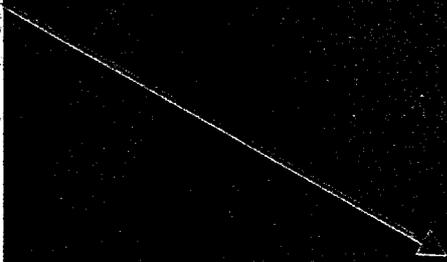
00128 Asbestos Ppl

Frame #35

Building 776 Room 227

Pillar L-5

776-092300-75-67



Frame #36

001128 Asbestos Pl



Frame #20

Building 776 Room 208

General TSI in
Room 208

001128-Asbestos.Ppt

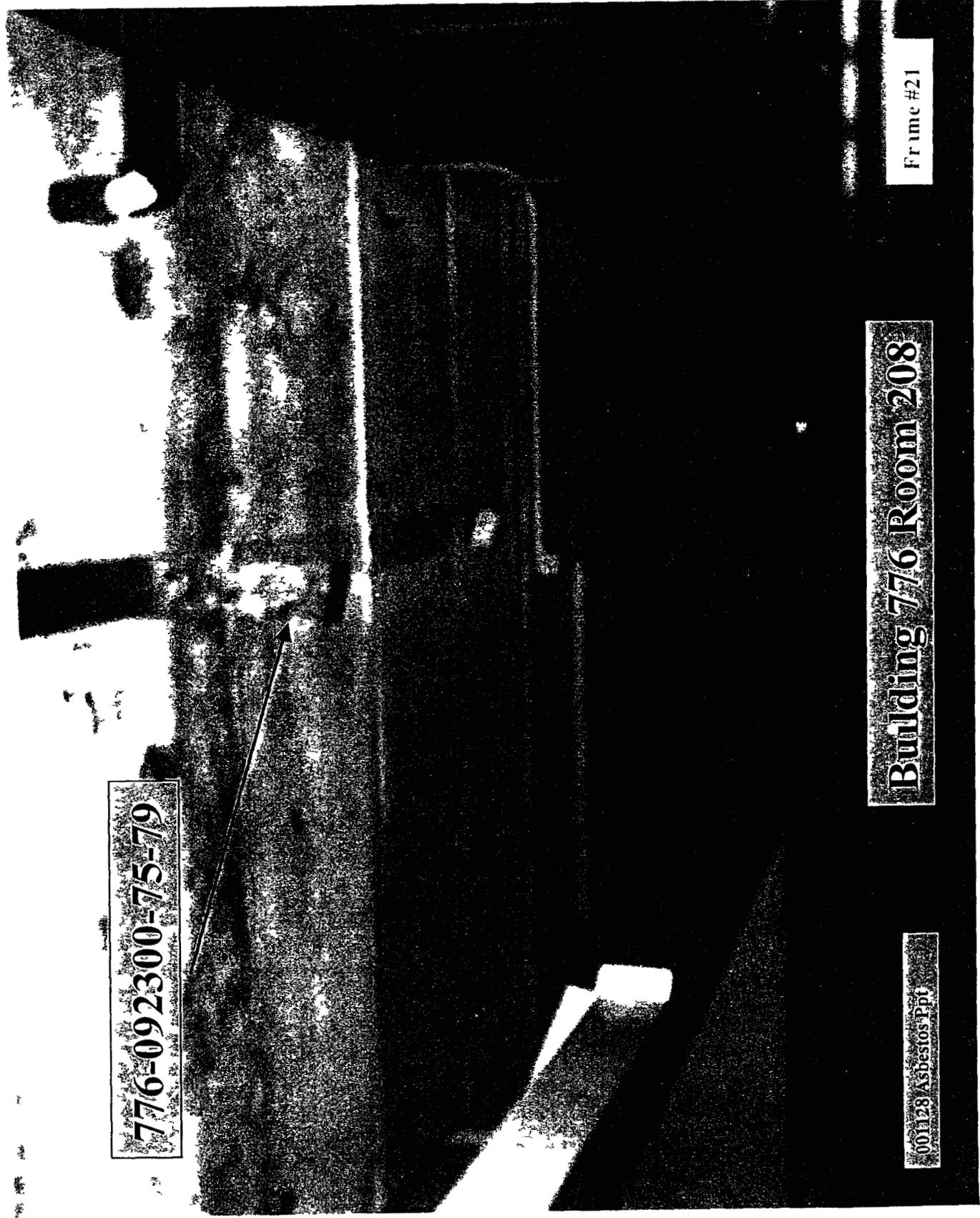
776-092300-75-79



Building 776 Room 208

001128/Asbestos Ppt

Frame #21

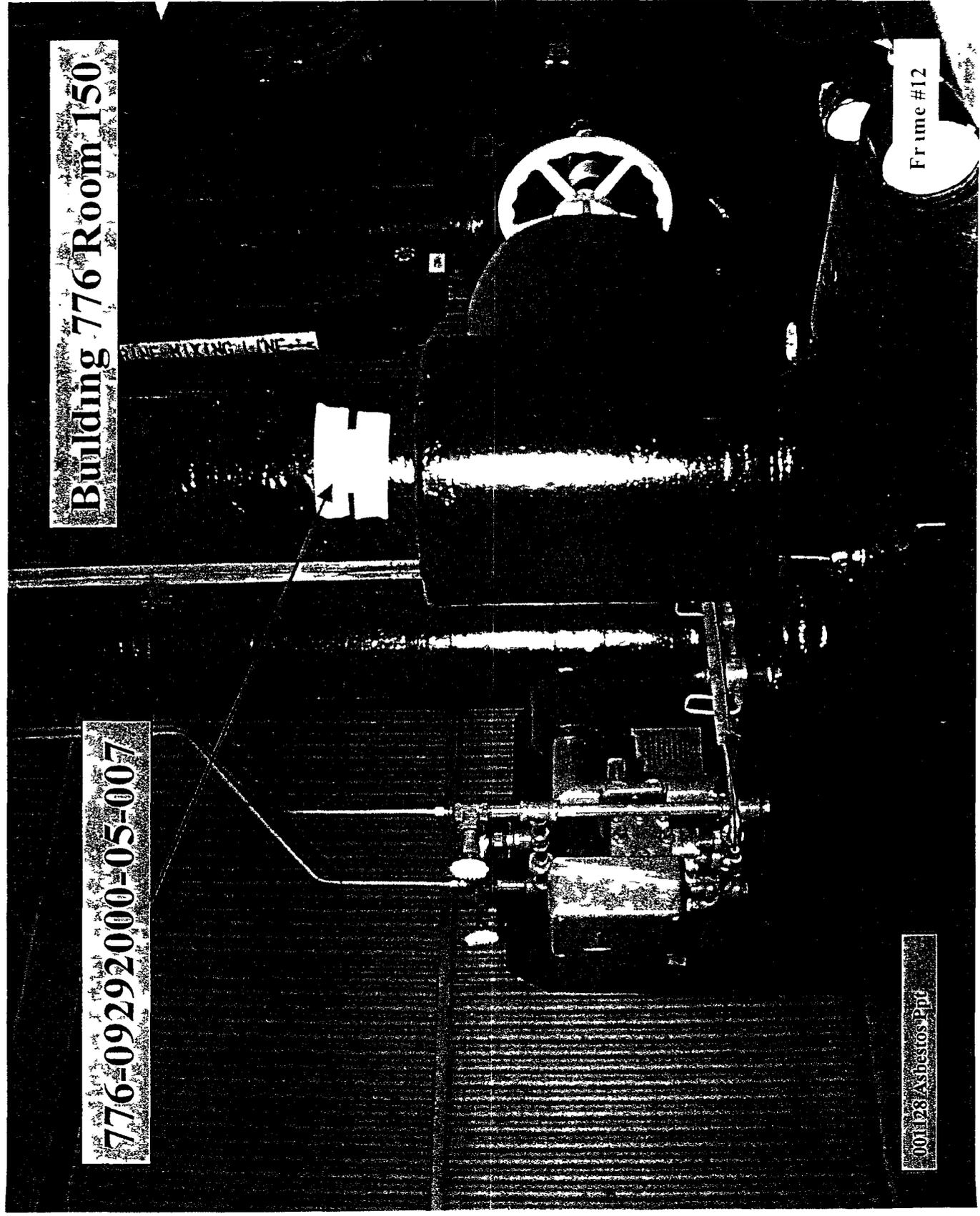


Building 776 Room 150

776-09292000-05-007

Frame #12

00128 Asbestos Ppt



Building 776 Room 150

776-09292000-05-006

PIPELINE RETURN ←

Frame #13

001128 Asbestos Ppt

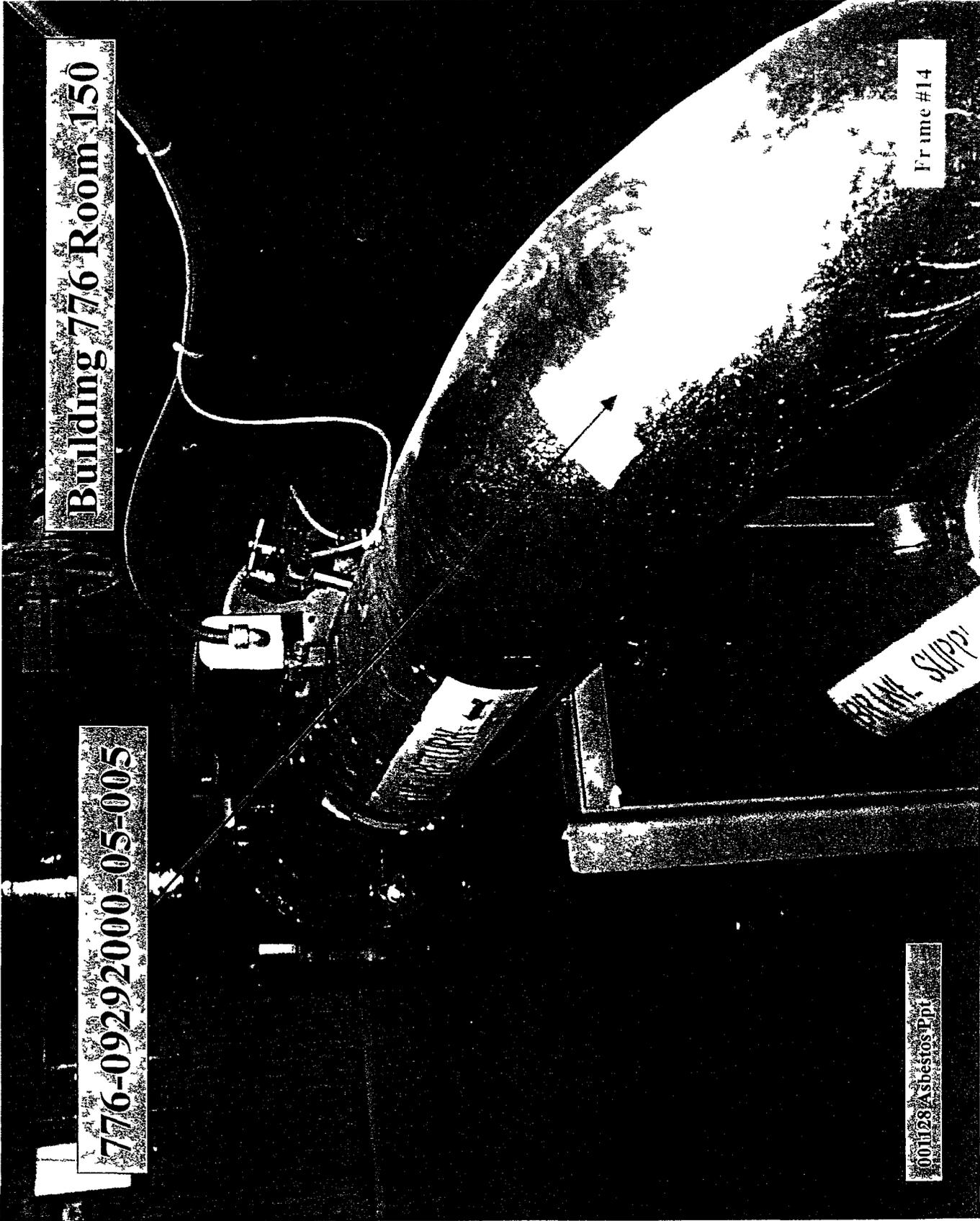
Building 776 Room 150

776-09292000-05-005

Frame #14

001128 Asbestos Ppt

Frame Supply



Building 776 Room 150

General Picture of TSI

Frame #15

001128 Asbestos Ppt

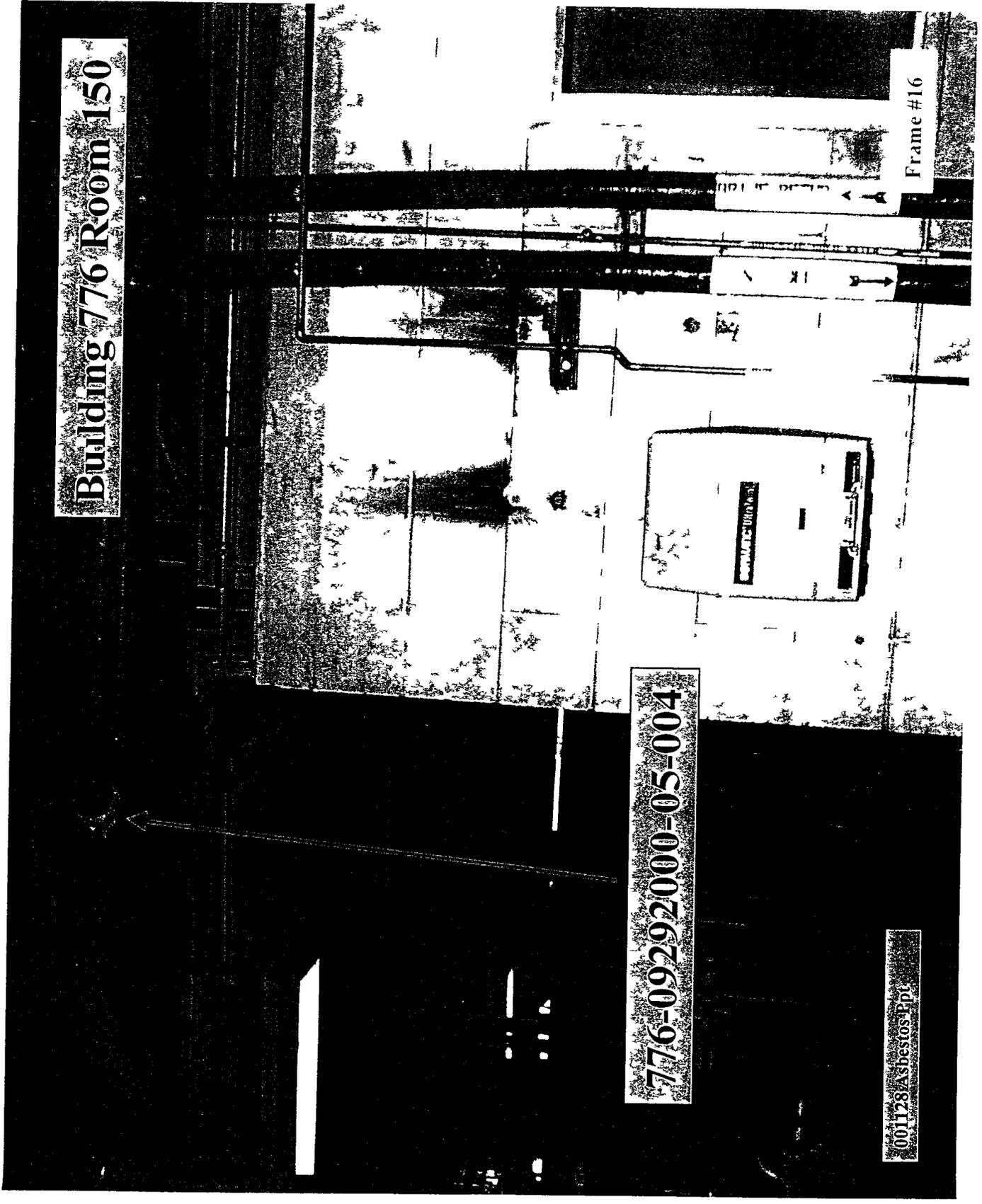


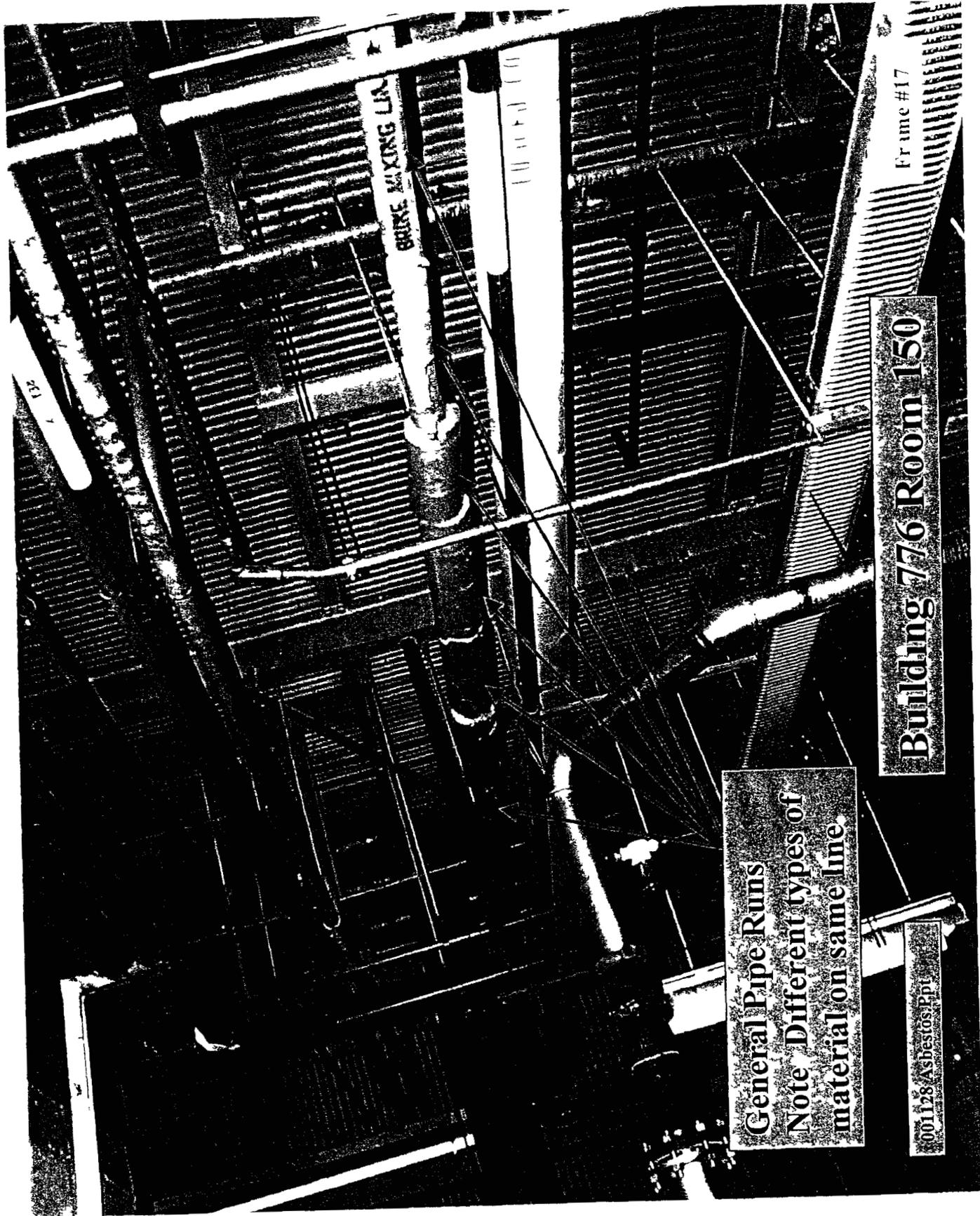
Building 776 Room 150

776-09292000-05-004

001128 Asbestos Ppt

Frame #16





126

GROUT MIXING LINE

Frame #17

Building 776 Room 150

General Pipe Runs
Note: Different types of
material on same line.

001128 Asbestos Ppt

Building 776 Room 150

776-11162000-05-003

776-11162000-05-004



776-11162000-05-005

Frame #2

001128 Asbestos PDU

Building 776 Room 150

776-971125-01-03

CHILLER
5

776-971125-01-05

776-971125-01-06

776-971125-01-01

776-971125-01-02

Frame #3

001128 Asbestos Ppt

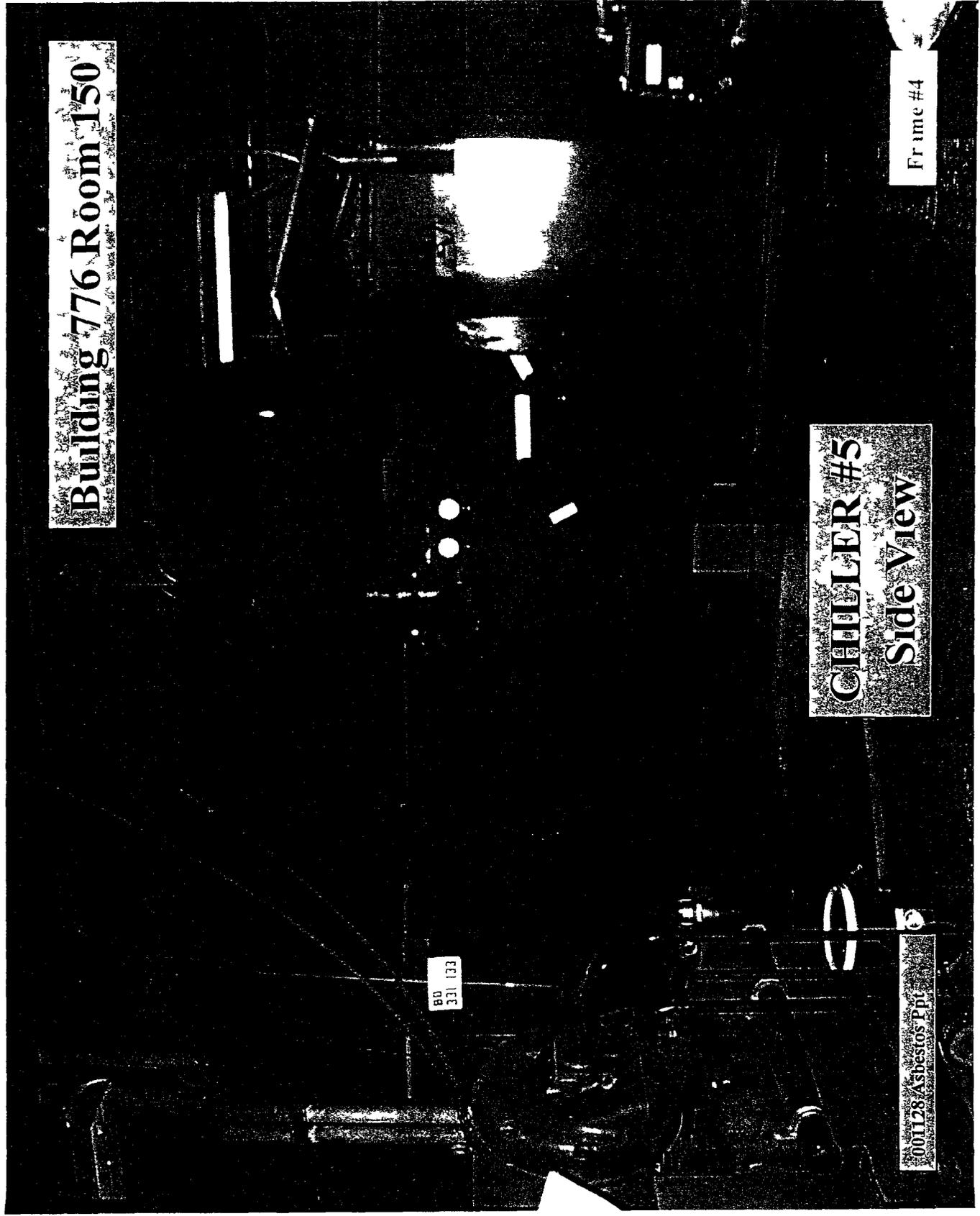
Building 776 Room 150

Frame #4

CHILLER #5
Side View

BU
331 133

001128 Asbestos Pp

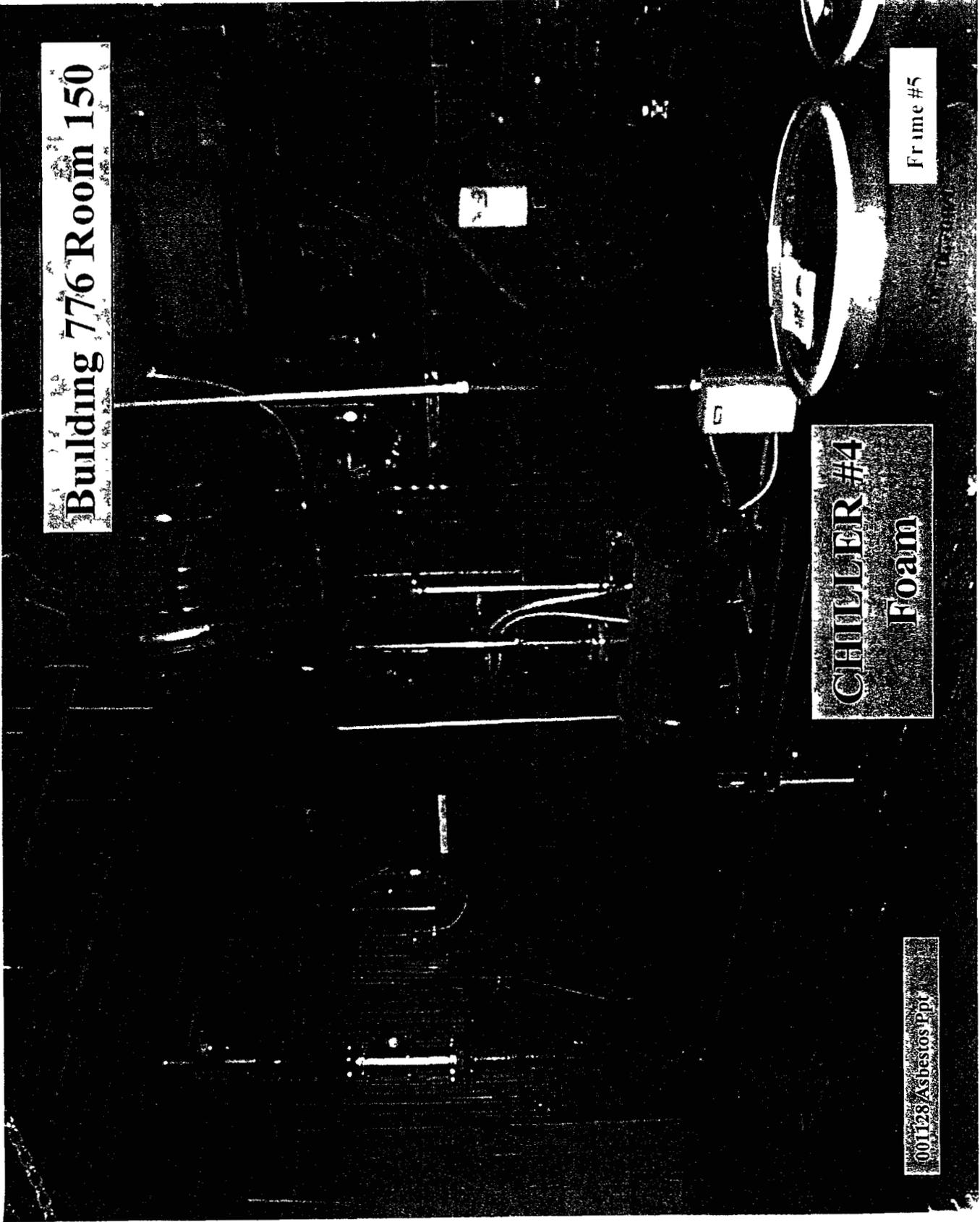


Building 776 Room 150

CHILLER #4
Foam

Frame #5

001128/Asbestos Ppt



Building 776 Room 150

Frame #6

CHILLER #3
Asbestos Insulation

001128 Asbestos Ppt

Building 776 Room 150

Frame #7

776-09292000-05-011

001128 ASBESTOS, P.P.

←
N/A



Building 776 Room 150

DO NOT REMOVE THIS TAG

Frame #8

776-09292000-05-011

001128 Asbestos PPI



Building 776 Room 150

776-09292000-05-010

776-09292000-05-009

001128 Asbestos Ppt

776-09292000

DANGER
PERMIT REQUIRED
ENTER BY IWCP OR
APPROVED PROCEDURES
ONLY

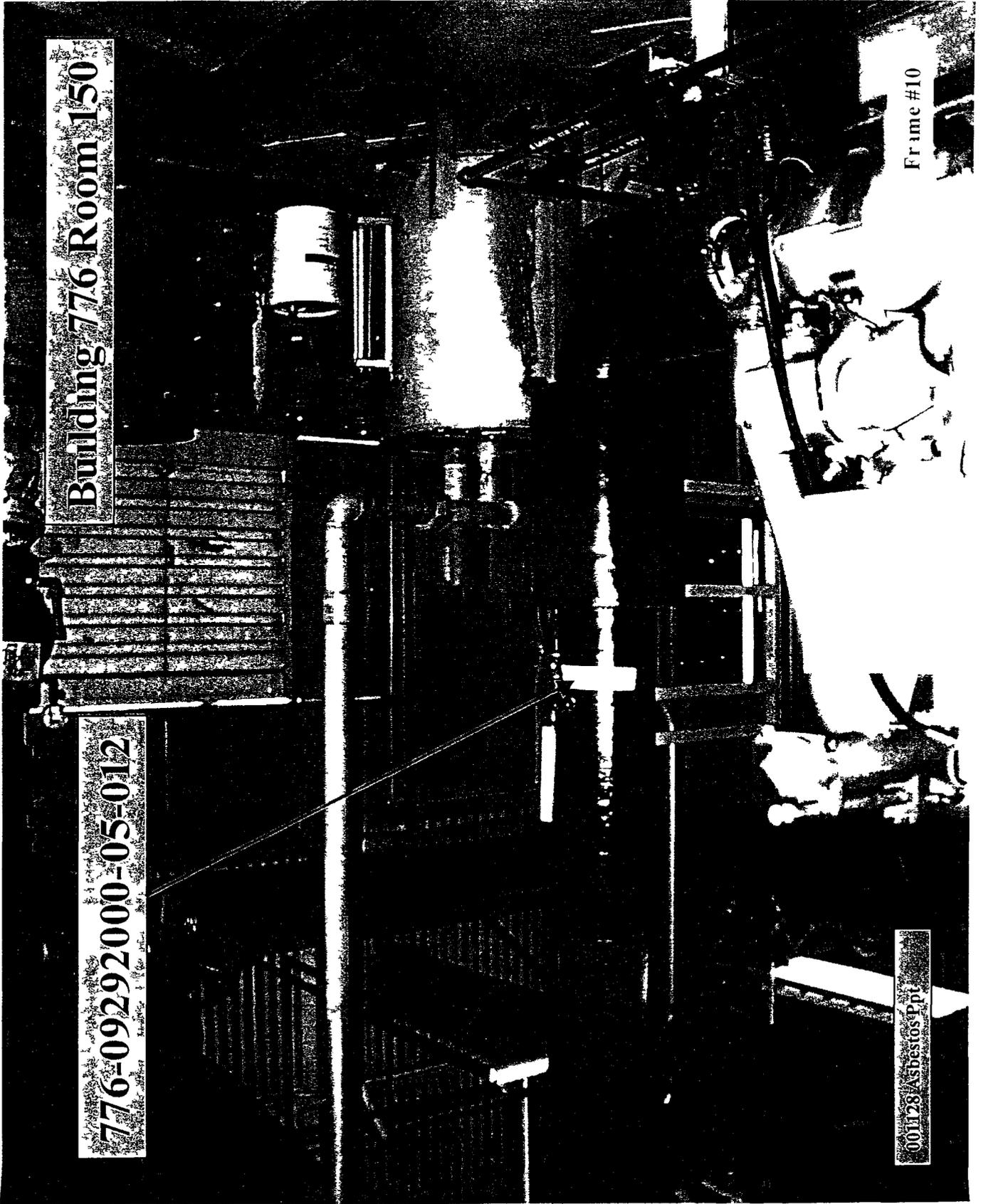
Frame #9

Building 776 Room 150

776-09292000-05-012

Frame #10

001128 Asbestos Ppt



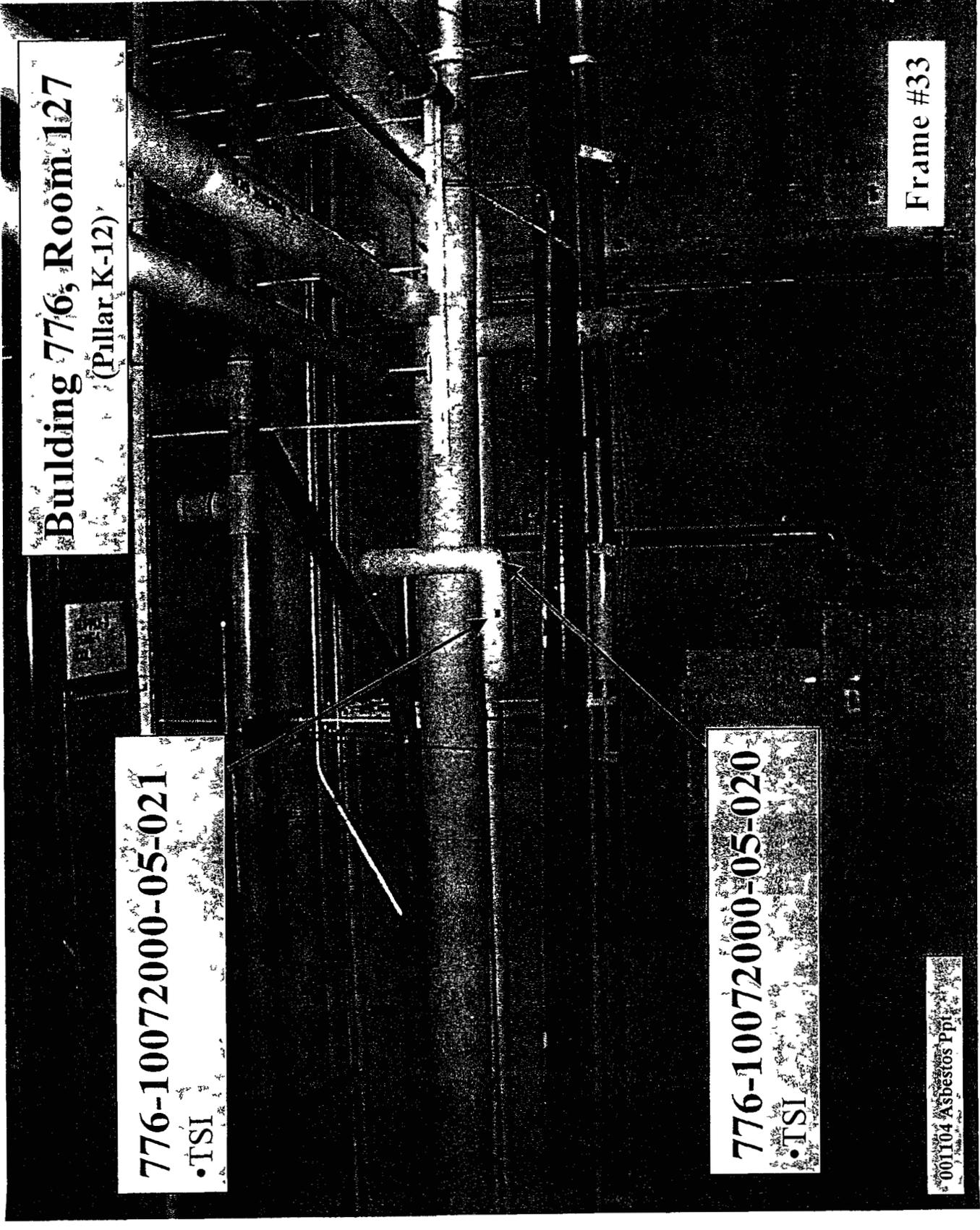
Building 776, Room 127
(Pillar K-12)

776-10072000-05-021
•TSI

776-10072000-05-020
•TSI

Frame #33

001104 Asbestos Pp.



Building 776, Room 154
(Pillar K-1)

776-10072000-05-016
•TSI - Condensate Steam Line

776-10072000-05-014
•TSI - Condensate Steam Line

776-10072000-05-015
•TSI - Condensate Steam Line

Frame #31

001H04 Asbestos Ppt

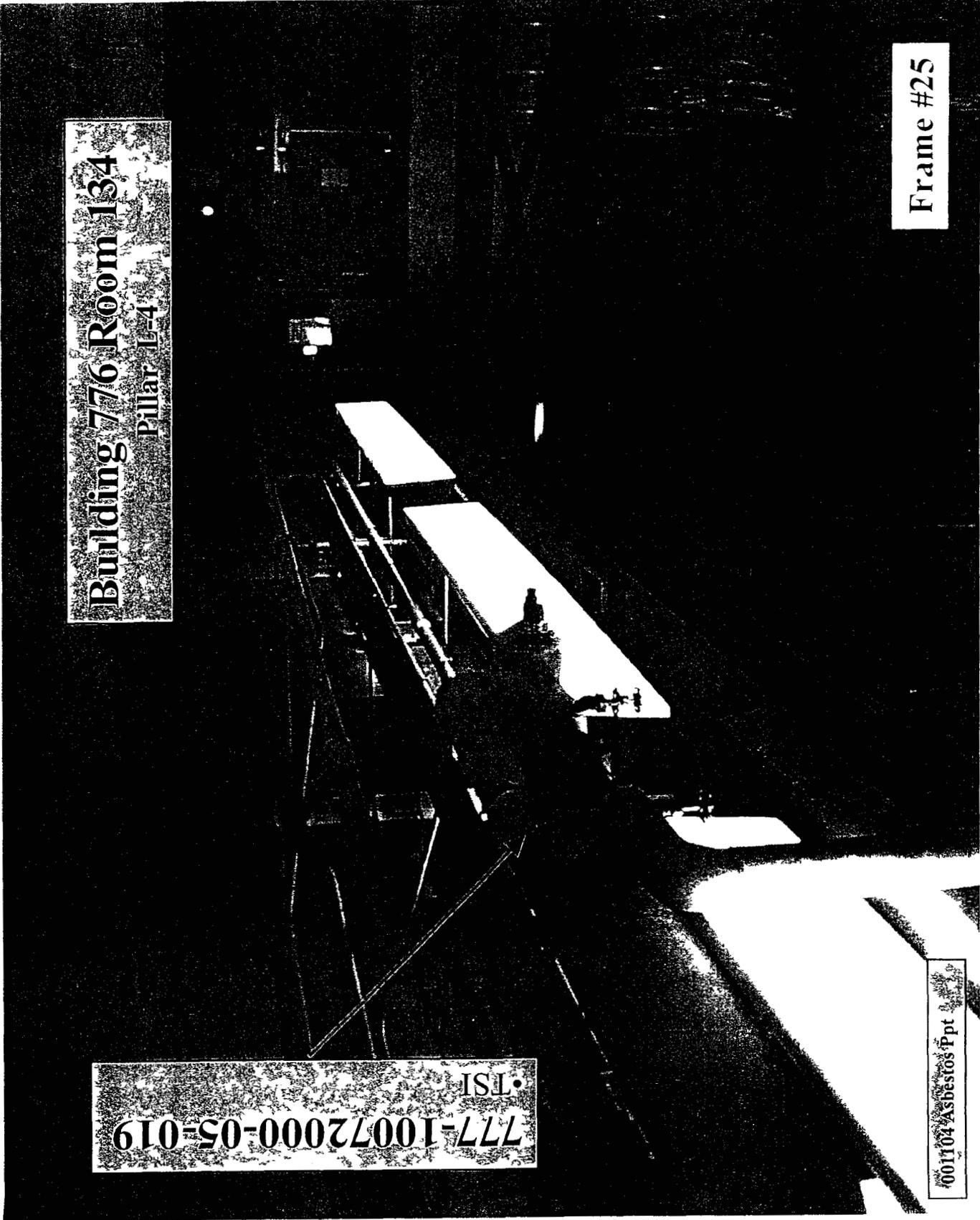
CAUTION

Building 776 Room 134
Pillar L-4

777-10072000-05-019
ISL

Frame #25

001104 Asbestos Ppt

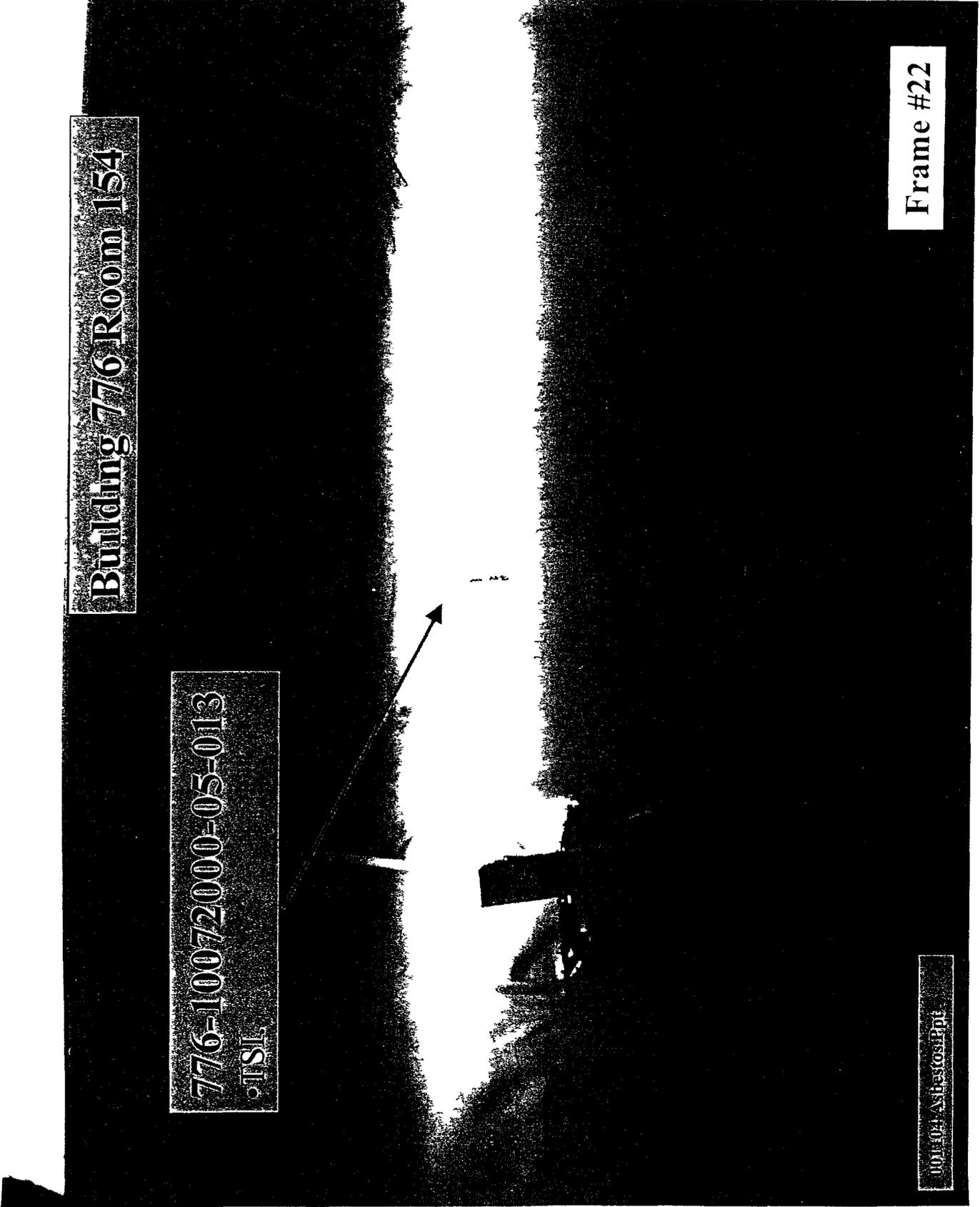


Building 776 Room 154

776-10072000-05-013
TSL

Frame #22

001.04 AsbestosRpt



Building 777 Room 433

(Above Doorway into Room 441)

777-10072000-05-002

Wall Penetration Caulk

001111 Asbestos Ppt

Frame #18

Building 776 Room 102

776-092300-75-39

•TSIL

776-092300-75-36

•TSIL

776-092300-75-35

•TSIL

776-092300-75-33

•TSIL

776-092300-75-38

•TSIL

776-092300-75-37

•TSIL

776-092300-75-34

•TSIL

001111 / Asbestos/PPA

Frame #13

Ceiling Tile

Several different types of ceiling tile were identified throughout the Building 776/777 complex. All ceiling tiles are considered asbestos free based on analytical results.

Ceiling Tile - B776 & B777			
Sample Number	Sample Description	Room #	% Asbestos
776-092300-75-14	2' x 4' white, small worm & dot	107	ND
776-092300-75-15	2' x 4' white, long striated & small dot	107	ND
776-092300-75-20	2' x 4' white, long striated & small dot	109	ND
776-092300-75-21	2' x 4' white, small worm & dot	108	ND
776-10072000-05-005	2' x 4' white, small worm & dot	157	ND
776-10072000-05-007	ceiling panels, white, flat	158	ND
776-10072000-05-010	ceiling panels, white, flat	118	ND
777-10072000-05-006	2' x 4' white speckle	Mod AB	ND
777-10072000-05-010	2' x 4' white	477	ND
777-10072000-05-012	2' x 4' white, long worm, small dot	450	1% chrysotile, pt Count - 0.25%
777-10072000-05-013	2' x 4' white, long worm, small dot	450	ND
777-10072000-05-014	styrofoam ceiling panels, white	468	ND
777-10072000-05-028	Ceiling texture - white	112B	ND
777-10072000-05-029	Ceiling texture - white	112B	ND
777-10072000-05-030	Ceiling texture - white	103A	ND
777-10072000-05-031	2' x 4' white speckle	208	ND
777-10072000-05-032	2' x 4' white, small worm & dot	208	Trace amosite; pt Count - trace
777-10072000-05-033	2' x 4' white, large worm	205	Trace amosite
777-10072000-05-034	2' x 4' white, large worm	205	Trace, pt Count - ND

Building 776, Room 158

776-10072000-05-007
White ceiling Panels.

UP (Ceiling)

Frame #27

001104 Asbestos Ppt

Building 776, Room 118

PH 502

Frame #24

UP (Ceiling)

776-10072000-05-010
•White ceiling Panels

00104 Asbestos Ppt

Building 776 Room 112B

776-092300-75-28
White Ceiling Texture.

776-092300-75-29
White Ceiling Texture.

001111 Asbestos.Ppt

Frame #6

Building 776
Room 107

776-092300-75-014
Ceiling Tile (Board)

00111 Asbestos Ppv

Frame #10

Building 776 Room 107

776-092300-75-015
•Ceiling Tile (Board)

00Inhi/Asbestos/Ppt

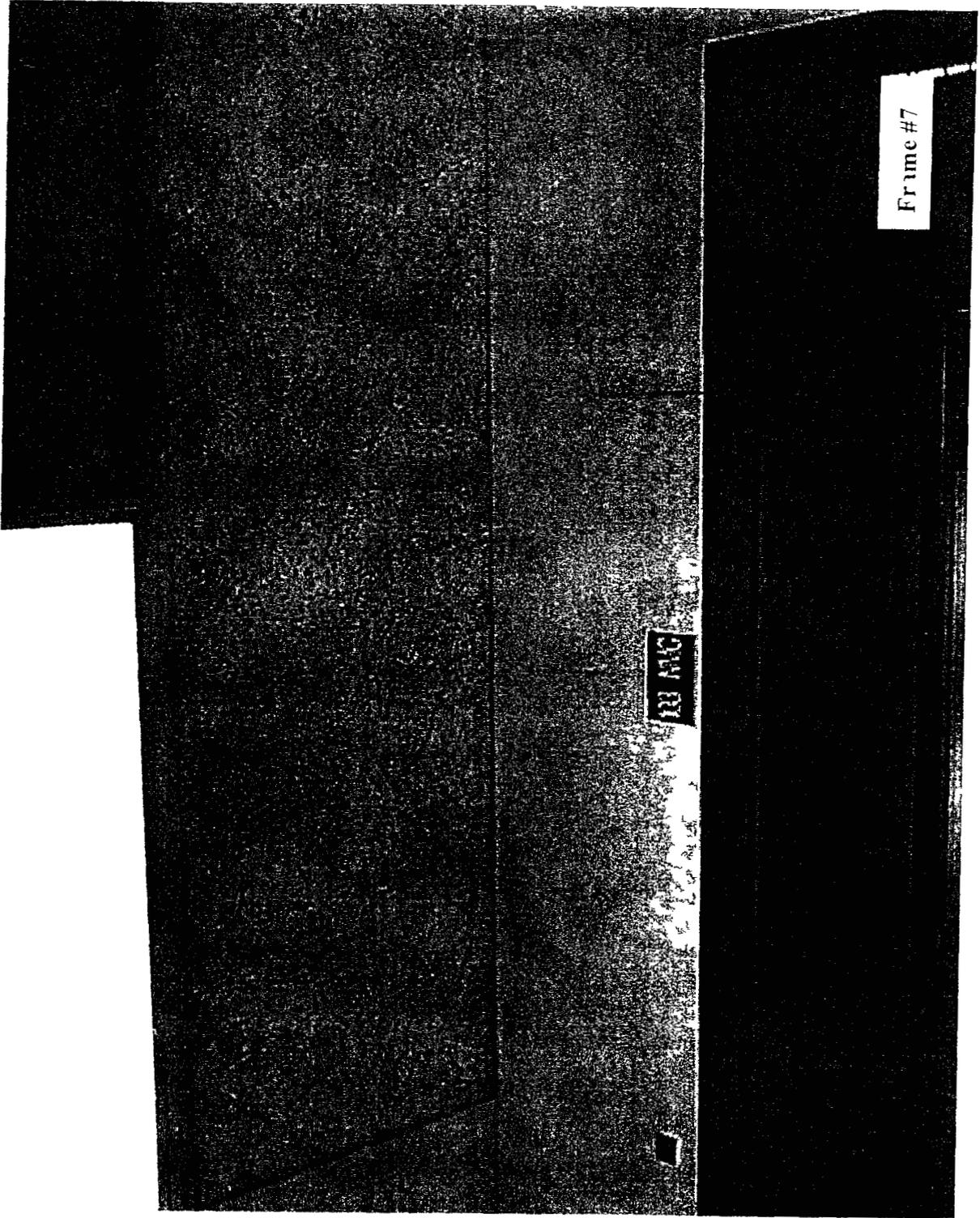
Frame #9

Building 776 Room 107

776-092300-75-016
• Ceiling Tile (Board)

001111 Asbestos Ppr

Frame #8



Frame #7

13 MG

Wall Systems

Several different types of wall systems were found throughout the Building 776/777 complex. The main wall systems identified include drywall, transite, concrete and cinderblock. See the attached drawings for specific locations of drywall, plaster and transite.

Tape joint compound on most of the drywall systems contains asbestos. The drywall tape joint compound is not skimmed over the entire drywall panel, but is localized over nail holes and drywall seams. For this reason, the tape joint compound is not considered a surfacing material. Removal of drywall panels for demolition will be necessary and is considered Class II work in accordance with the OSHA regulation (29 CFR 1926.1101).

Asbestos containing transite wall panels were found throughout the complex including some sections of the building exterior.

Two different types of wall plaster were found – both are considered non-asbestos.

Wall Systems - B776 & B777			
Sample Number	Sample Description	Room #	% Asbestos
776-092300-75-07	drywall	111	ND
776-092300-75-08	drywall mud	111	ND
776-092300-75-12	wall penetration compound	111	ND
776-092300-75-26	transite wallboard	103	20% chrysotile
776-092300-75-27	Pillar texture - tan (painted white)	116B	ND
776-092300-75-31	transite wallboard	112B entrance	40% chrysotile
776-092300-75-32	transite wallboard	106B entrance	20% chrysotile
776-092300-75-40	Plaster - wall penetration compound	B776 entrance	ND
776-092300-75-44	plaster - wall	201A entrance	ND
776-092300-75-47	plaster	233B	ND
776-092300-75-53	plaster - wall	231A	ND
776-092300-75-54	Pillar texture	201A, pillar B1	ND
776-092300-75-58	Drywall and tape joint compound	228	3% chrysotile in mud
776-092300-75-59	Drywall and tape joint compound	228	4% chrysotile in mud
776-092300-75-62	Drywall and tape joint compound	201A, pillar C1	3% chrysotile in mud
776-092300-75-63	Drywall and tape joint compound	237, pillar H1	3% chrysotile in mud
776-092300-75-64	Drywall and tape joint compound	227, pillar L2	ND
776-092300-75-65	Drywall and tape joint compound	227, pillar L5	ND
776-092300-75-73	transite wallboard	208, pillar J16	20% chrysotile
776-092300-75-75	transite wallboard	208, pillar J16	15% chrysotile, 5% amosite
776-09292000-05-002	transite wallboard	150, pillar L12	20% chrysotile
776-10072000-05-001	Drywall and tape joint compound	159B	ND
776-10072000-05-002	Drywall and tape joint compound	160	ND
776-10072000-05-006	Cinderblock filling - cementitious	157	ND
776-10072000-05-008	transite wallboard - flat panel	158	15% chrysotile
776-10072000-05-009	Transite wall board - corrugated	158	20% chrysotile
776-10072000-05-011	Drywall and tape joint compound	118F, entrance	ND
776-10072000-05-018	Pillar texture	154, pillar L2	ND
777-10072000-05-002	wall penetration compound	441 & 433	ND
777-10072000-05-003	Pillar texture	433, pillar J21	ND
777-10072000-05-011	Drywall and tape joint compound	477	3% mud, composite - 0 5%

777-10072000-05-015	wall plaster on styrofoam, painted green	468	trace chrysotile, pt	Count - trace
777-10072000-05-017	wall plaster on styrofoam, painted green	468	trace chrysotile, pt	Count - 0 25%
777-10072000-05-018	wall plaster on styrofoam, painted green	476	trace chrysotile, pt	Count - 0 25%
777-10072000-05-030	Drywall and tape joint compound	404		ND

Building 776 Room 201A

Pillar C-1

776-092300-75-62

Frame #47

001128 Asbestos Ppt

Building 776 Room 201A

776-092300-75-55

Frame #48

776-092300-75-54

001128 Asbestos Ppt

Building 776 Room 228

776-092300-75-59



Frame 42

001128 Asbestos Ppt
DATE: 11/11/03

Building 776 Room 227
Pillar L-2

776-092300-75-64

Frame #38

001123 Asbestos Pp



Building 776 Room 208
Pillar J-16

776-092300-75-73
L. M. KANESEK, JR.

776-092300-75-74

001128 Asbestos Ppt
L. M. KANESEK, JR.

Building 776 Room 208
• Pillar D-16

776-092300-75-75
• Transite.

DOOR
46
1986

4214

001128 Asbestos.Ppt

Frame #19

Bullding 776 Room 208
• Pillar D-16

776-092300-75-75
• Transite

Frame #18

001128 Asbestos Ppt

Building 777, Room 433
(Pillar J-21)

777-10072000-05-003

• White Plaster

Frame #35

001104/Asbestos Ppl

Building 777, Room 433

(Pillar J-21)

777-10072000-05-003

(Second View)

• White Plaster

777-10072000-05-003

Frame #36

001104 Asbestos Ppt

Building 776, Room 159B

Frame #32

776-10072000-05-001
• Dry Wall Tape Joint Compound

001104/Asbestos/Ppt



Building 776, Room 154
(Pillar L-2)

776-10072000-05-018
• White Pillar Plaster

Frame #30

001104 Asbestos P. pl.

Building 776, Room 158

Frame #28

776-10072000-05-009
•Transite



001104 Asbestos p1

Building 776, Room 118D

776-10072000-05-11

Drywall with Joint Tape Compound

Frame #23

001104/Asbestos/Ppt

Building 777 Room 468

777-10072000-05-015

Wall Plaster

0001111 Asbestos Ppt

Frame #21

Building 777 Room 433

(Above Doorway into Room 441)

(Second view)

777-10072000-05-002

Wall Penetration Caulk.

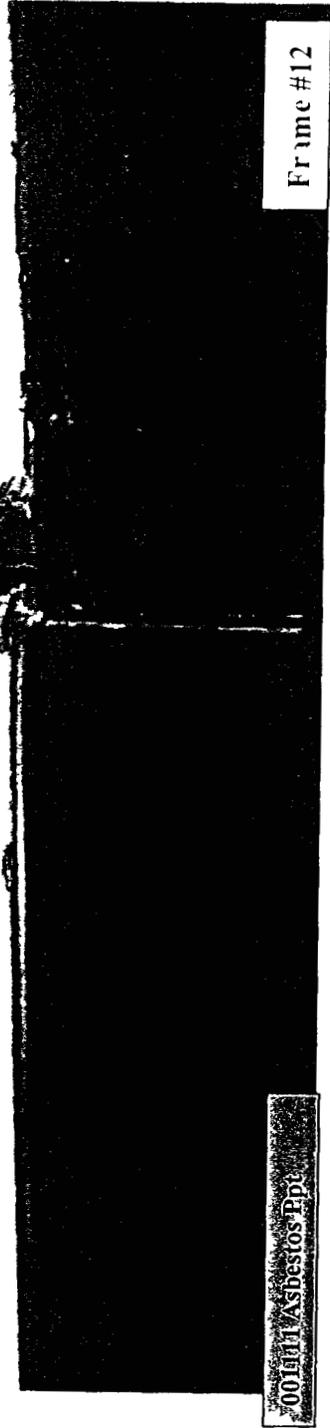
001111 Asbestos Ppt

Frame #19

Building 776 Room 106B

776-092300-75-032
Transite

7760923007552



00 Infr/Asbestos Ppt

Frame #12

Building 776 Room 234

Frame #5

FIRE

776-092300-75-044
dry wall & plaster

Asbestos Ppt

ION
ALTY
LONG
EXIT
EMER
FCCA
OR



Building 777, Room 301

777-10242000-05-005
Wall-to-Roof Deck Cement Insulation

001104 Asbestos Ppt

Frame #41



Building 777 Room 301

777-10242000-05-004

Roof-to-Wall Joint Caulking

Frame #15

001111 Asbestos Ppt

Miscellaneous Materials

A few miscellaneous materials were identified that did not fall into any specific category. The fiberglass insulation is behind a transite wall and would not be easily identified until the transite walls are removed. The asbestos containing rope material is located in between the cinderblock wall and the metal roof decking (see drawing for specific location).

Sample number 776-11162000-05-009 represents material that was found protruding from the backside of the metal ceiling panels in Room 126 (sample location not specified in drawing).

Miscellaneous - B776 & B777			
Sample Number	Sample Description	Room #	% Asbestos
776-092300-75-74	fiberglass insulation behind transite (776-092300-75-73)	208, Pillar J16	ND
777-10242000-05-004	white rope - wall to roof deck insulation	301	35% chrysotile
777-10242000-05-005	cement blocks - wall to roof deck insulation	301	ND
776-11162000-05-009	white ceiling material around metal ceiling deck	126*	ND

* Sample location not identified on drawing

Roofing Material

Composite roof samples and flashing samples were collected on the various different levels of Building 776/777. In addition, miscellaneous other roofing materials were sampled including duct insulation, pipe insulation and caulking.

Sample Number	Sample Description	Room #	% Asbestos
776-11042000-05-001	gray caulking, above room 158 around metal duct	roof	None Detected
776-11042000-05-002	TSI from condensate steam line above room 158	roof	None Detected
776-11042000-05-003	flashing around roof duct	roof	5% chrysotile in silver paint, 20% in fibrous woven layer
776-11042000-05-004	roof composite - rubber top	roof	trace chrysotile, pt Count - trace
776-11042000-05-005	roof composite - tar & gravel	roof	None Detected
776-11042000-05-006	gray flashing on tar & gravel roof	roof	None Detected
776-11042000-05-007	TSI, black tar paper & chicken wire	roof	30% chrysotile
776-11042000-05-008	roof composite - tar & gravel	roof	None Detected
776-11042000-05-009	gray flashing on tar & gravel roof	roof	None Detected
776-11042000-05-010	roof composite - tar & gravel	roof	None Detected
776-11042000-05-011	gray flashing on tar & gravel roof	roof	30% chrysotile in black fibrous tar layer
776-11042000-05-012	roof patch - gray, around exhaust plenum	roof	None Detected
776-11042000-05-013	gray caulking on expansion joints	roof	None Detected
776-11162000-05-001	roof composite - tar & gravel	roof	None Detected
776-11162000-05-002	roof composite - tar & gravel	roof	None Detected
776-11162000-05-003	roof composite - tar & gravel	roof	None Detected
776-11162000-05-004	roof composite - tar & gravel	roof	None Detected
776-11162000-05-005	roof composite - tar & gravel	roof	None Detected
776-11162000-05-006	roof composite - tar & gravel	roof	None Detected

776-11042000-05-001

- Gray Caulking Material
- Roof above Room 158

776-11042000-05-001

Frame #1

001104 Asbestos Ppt

776-11042000-05-002

(View Looking West)

• TSI White

• Roof above Room 158

Frame #2

001104 Asbestos Ppt

CONDENSATE PIPING

776-11042000-05-003

•Roof Flashing

Frame #3

001104 Asbestos.Ppt

776-11042000-05-004

- Composite Roofing Material
- Roof above Compressor House



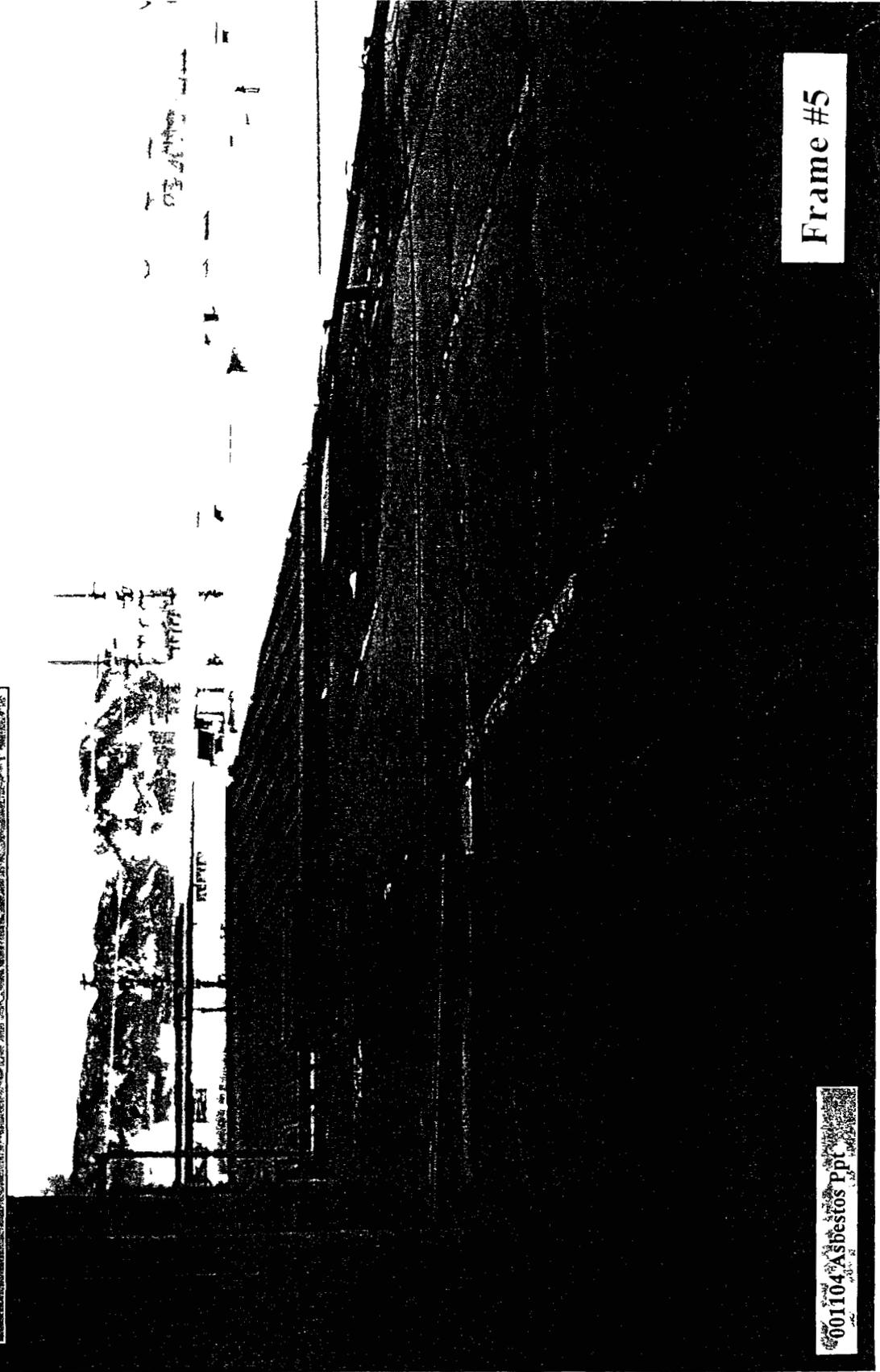
Frame #4

001104 Asbestos Ppt

Sample Area View

(View Looking West)

Samples 776-11042000-05-001 thru -004 were taken in this area of the roof.



Frame #5

001104 Asbestos Ppt

776-11042000-05-005

•Roofing Composite Material

Frame #6

001104 Asbestos-Epi

776-1104200-05-005

(Second View)

(View Looking North)

- Roofing Composite Material
- Roof above Mechanical Room

Frame #7

001104 Asbestos Ppt

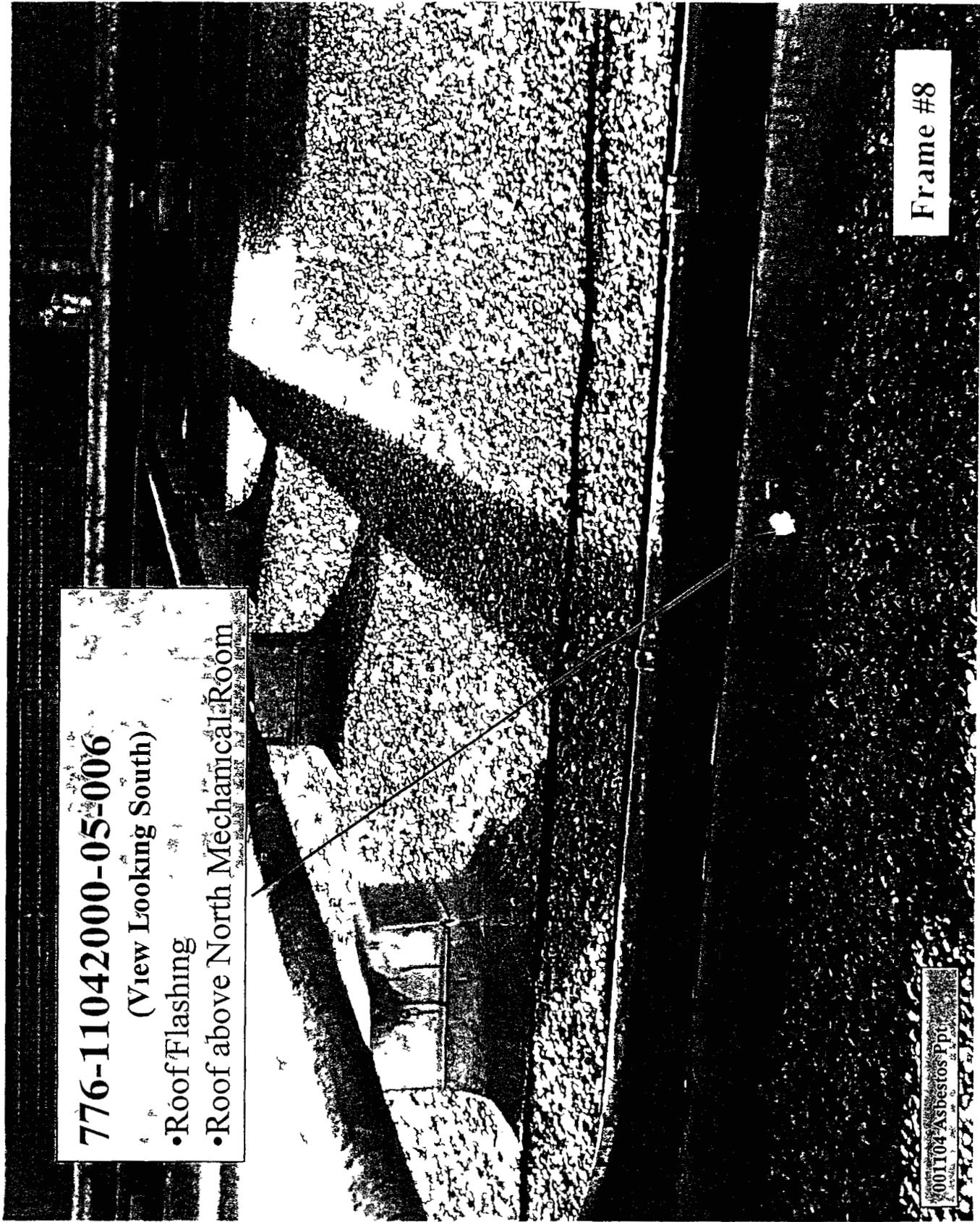
776-11042000-05-006

(View Looking South)

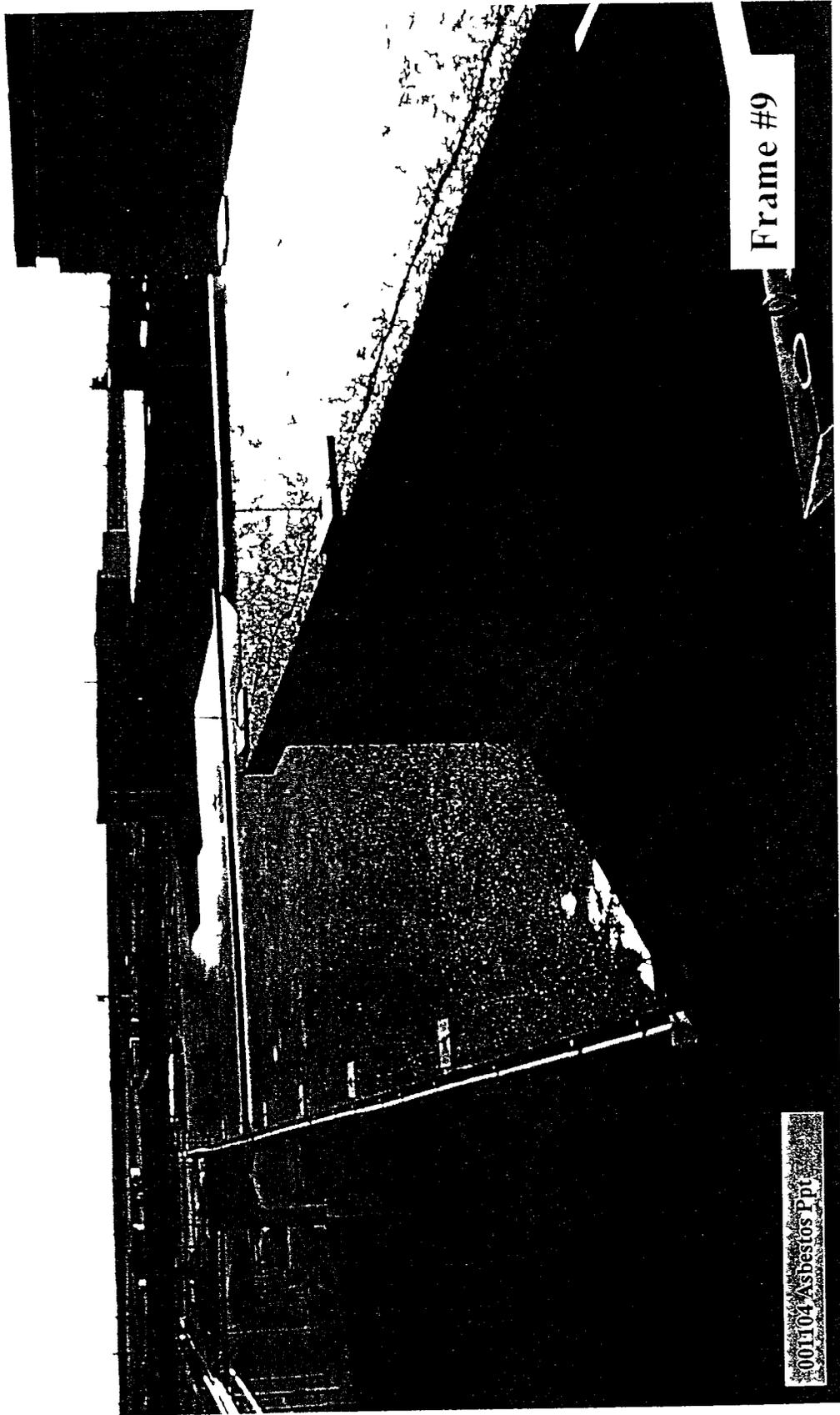
- Roof Flashing
- Roof above North Mechanical Room

Frame #8

001104 Asbestos Ppt



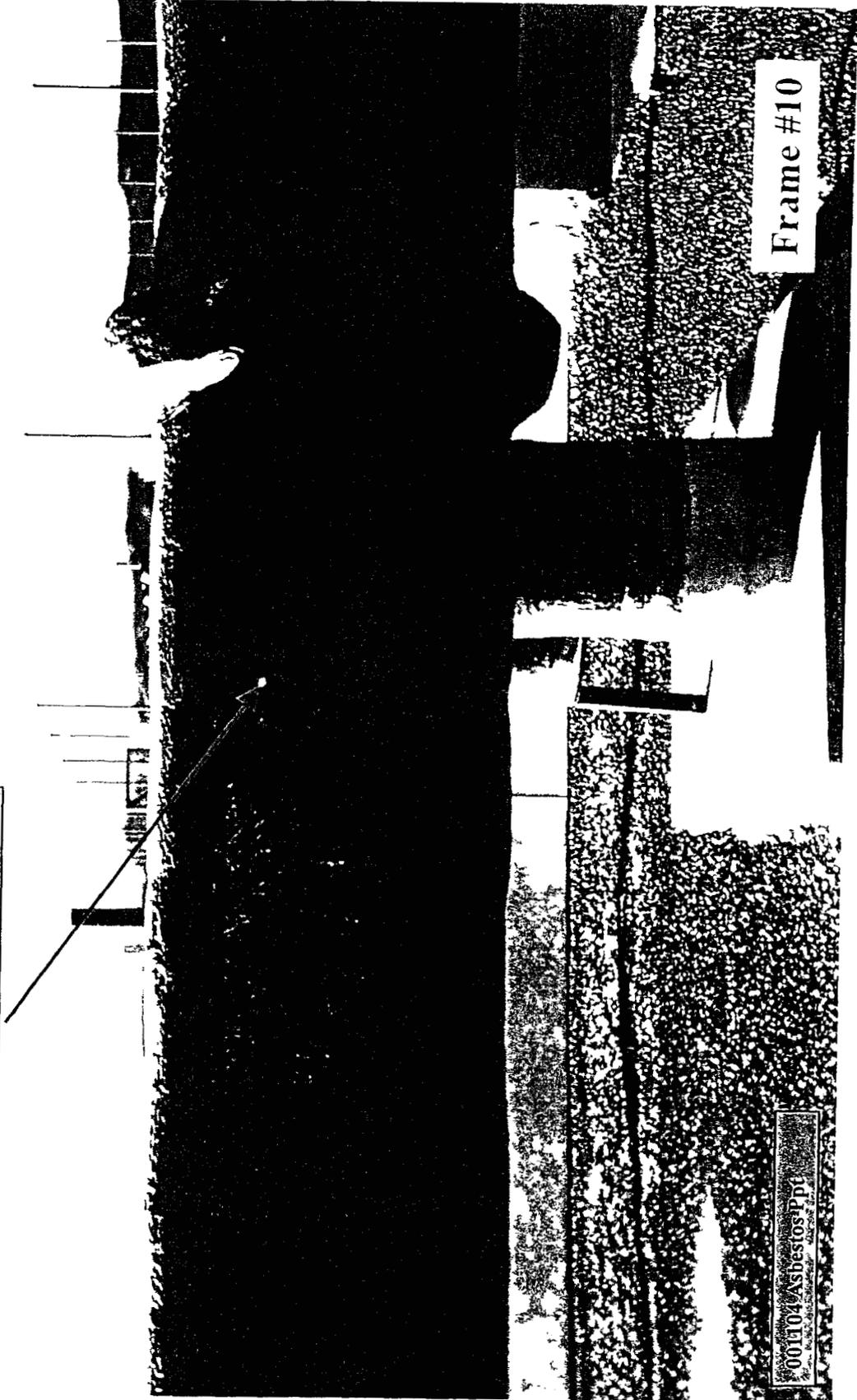
Sample Area View.
(View Looking East)
oRoof Above the North mechanical Room



Frame #9

001104 Asbestos Ppt

776-11042000-05-007
(View Looking South)
•TSP and Tar Paper.
•Super-Dry Room Return Line.



Frame #10

001104 Asbestos Ppt

776-11042000-05-007

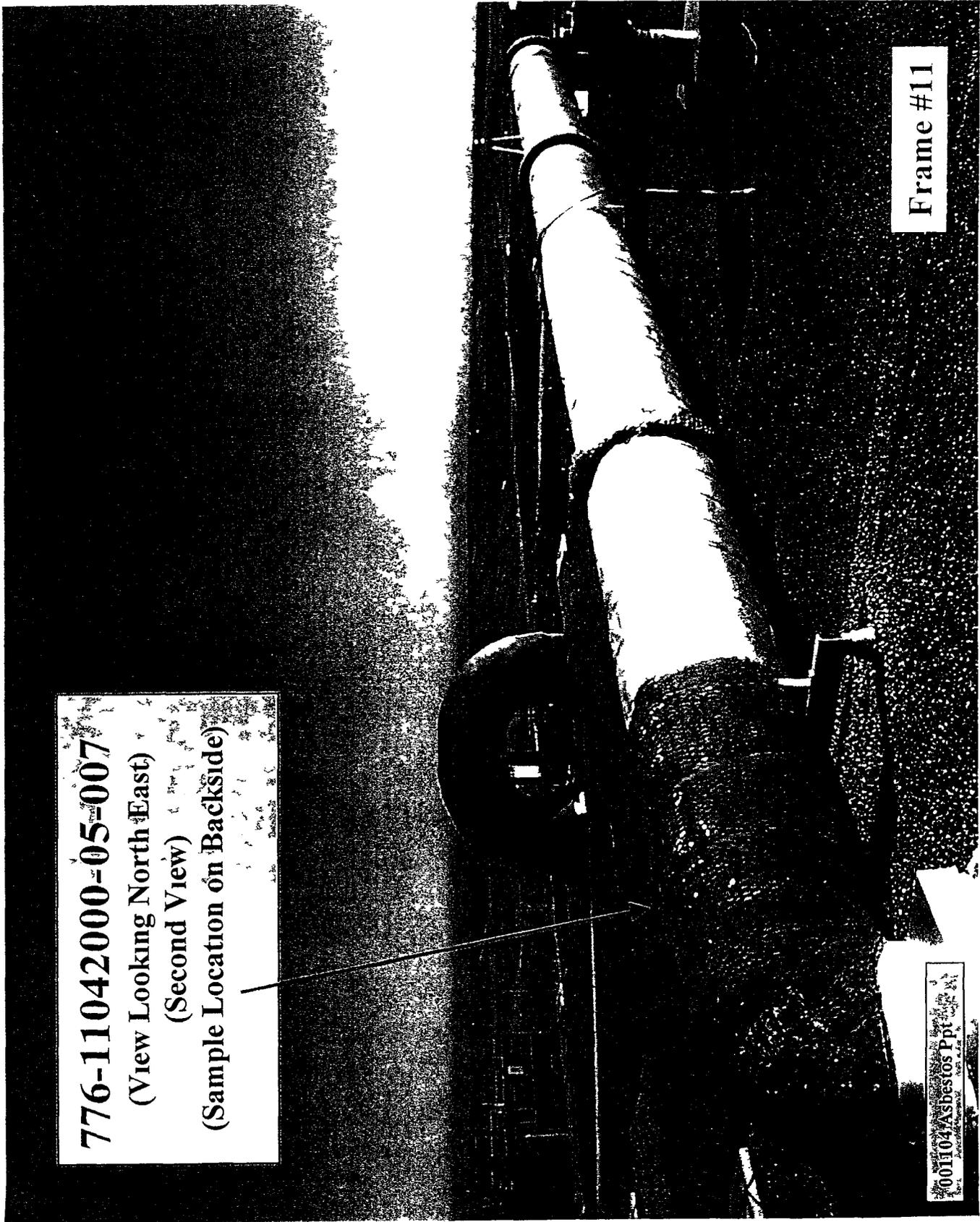
(View Looking North East)

(Second View)

(Sample Location on Backside)

Frame #11

00104/Asbestos Ppt



776-11042000-05-009

(View Looking West)

• Gray Roof Flashing

Frame #12

001104 Asbestos Ppi

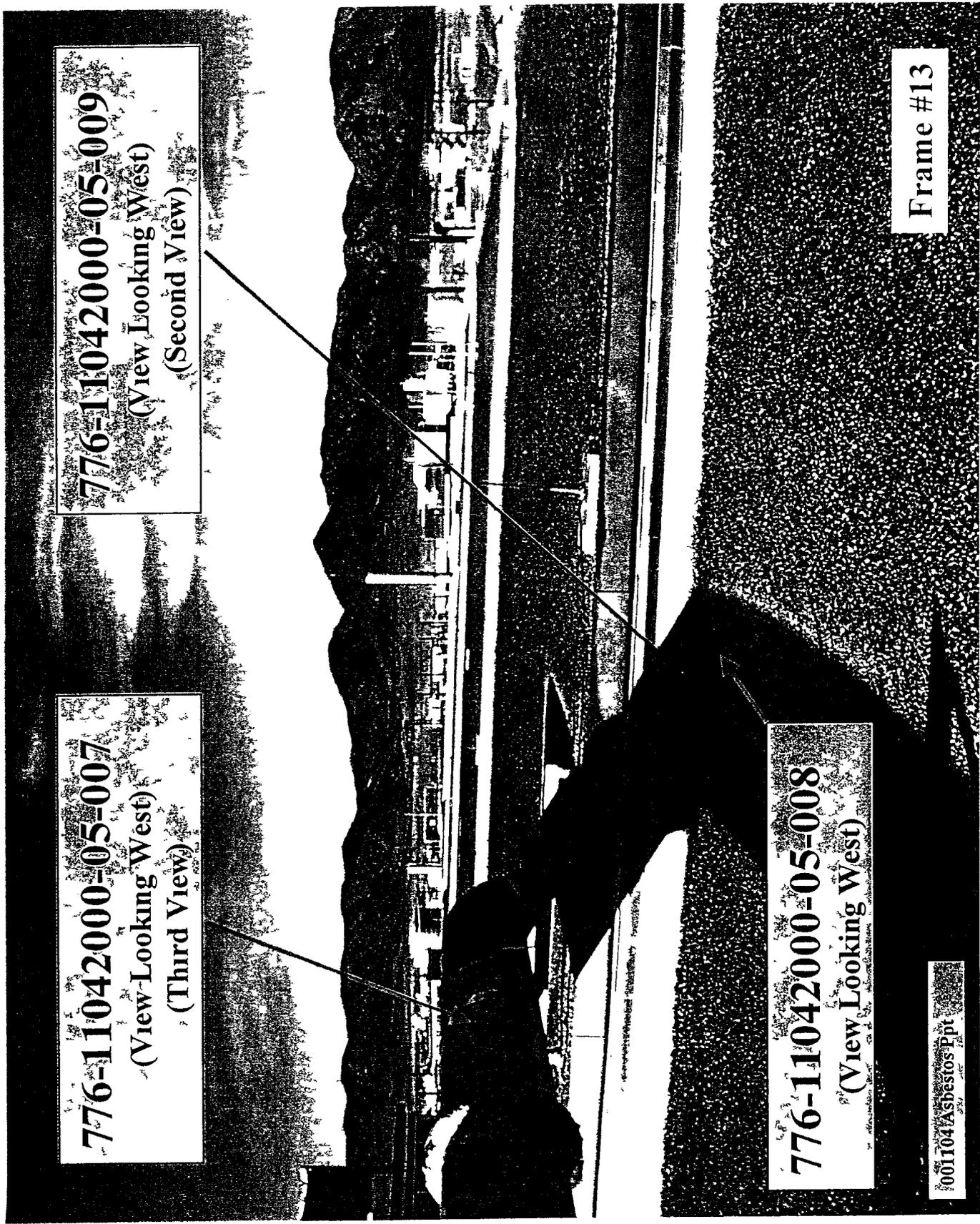
776-11042000-05-007
(View-Looking West)
(Third View)

776-11042000-05-009
(View Looking West)
(Second View)

776-11042000-05-008
(View Looking West)

Frame #13

001104 ASbestos Ppt



776-11042000-05-010

(View Looking West)

•Roof Composite

Frame #14

001104 Asbestos Ppt

776-11042000-05-011

(View Looking East)

•Roof Flashing

776-11042000-05-012

(View Looking East)

•Gray Roof Patch

Frame #15

001104 Asbestos Ppt

776-11042000-05-013

Gray Caulking

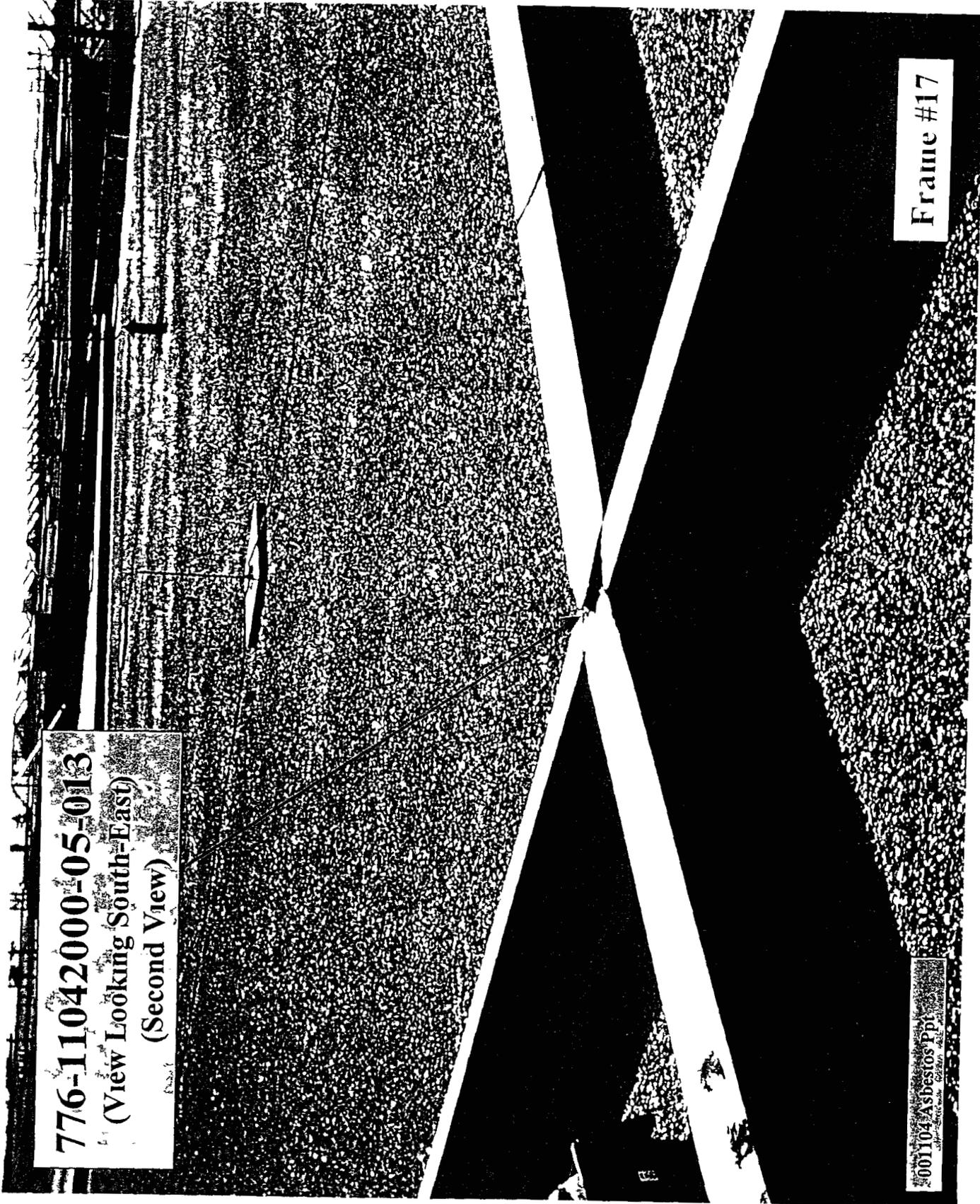
Frame #16

001104 Asbestos Pbt

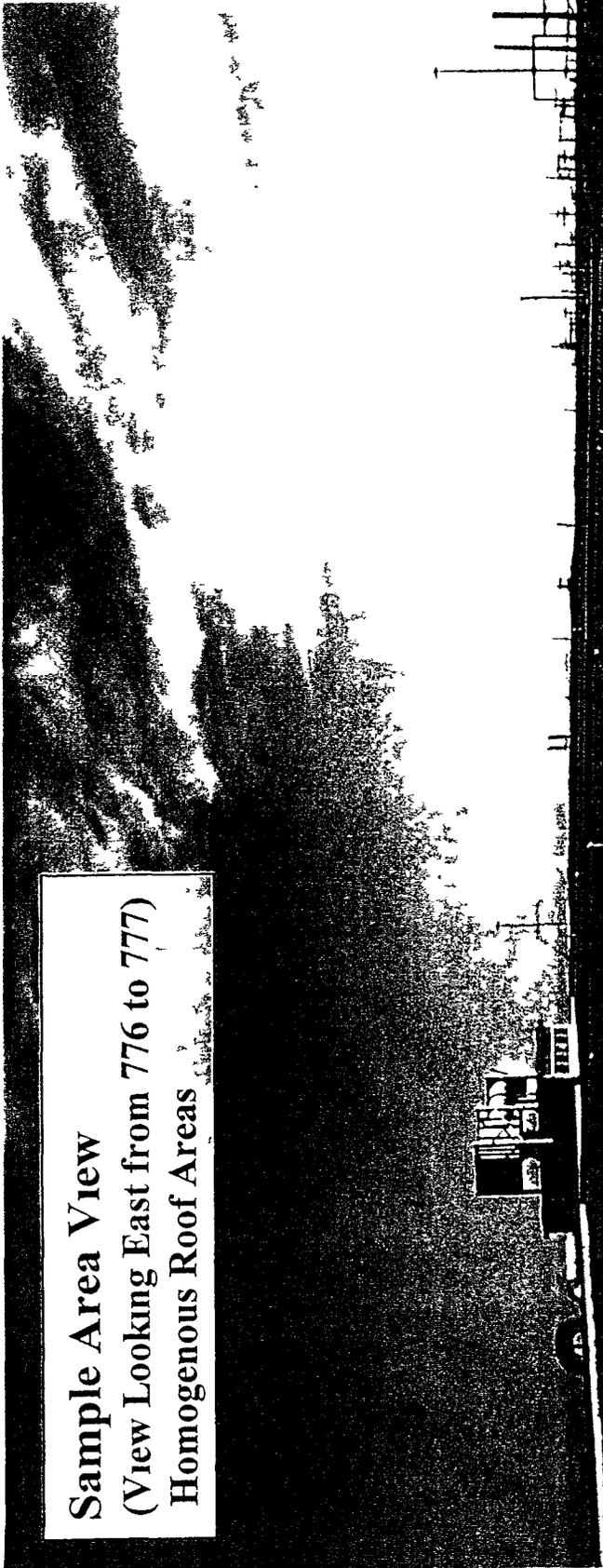
776-11042000-05-013
(View Looking South-East)
(Second View)

Frame #17

001104 Asbestos Ppt



Sample Area View
(View Looking East from 776 to 777)
Homogenous Roof Areas



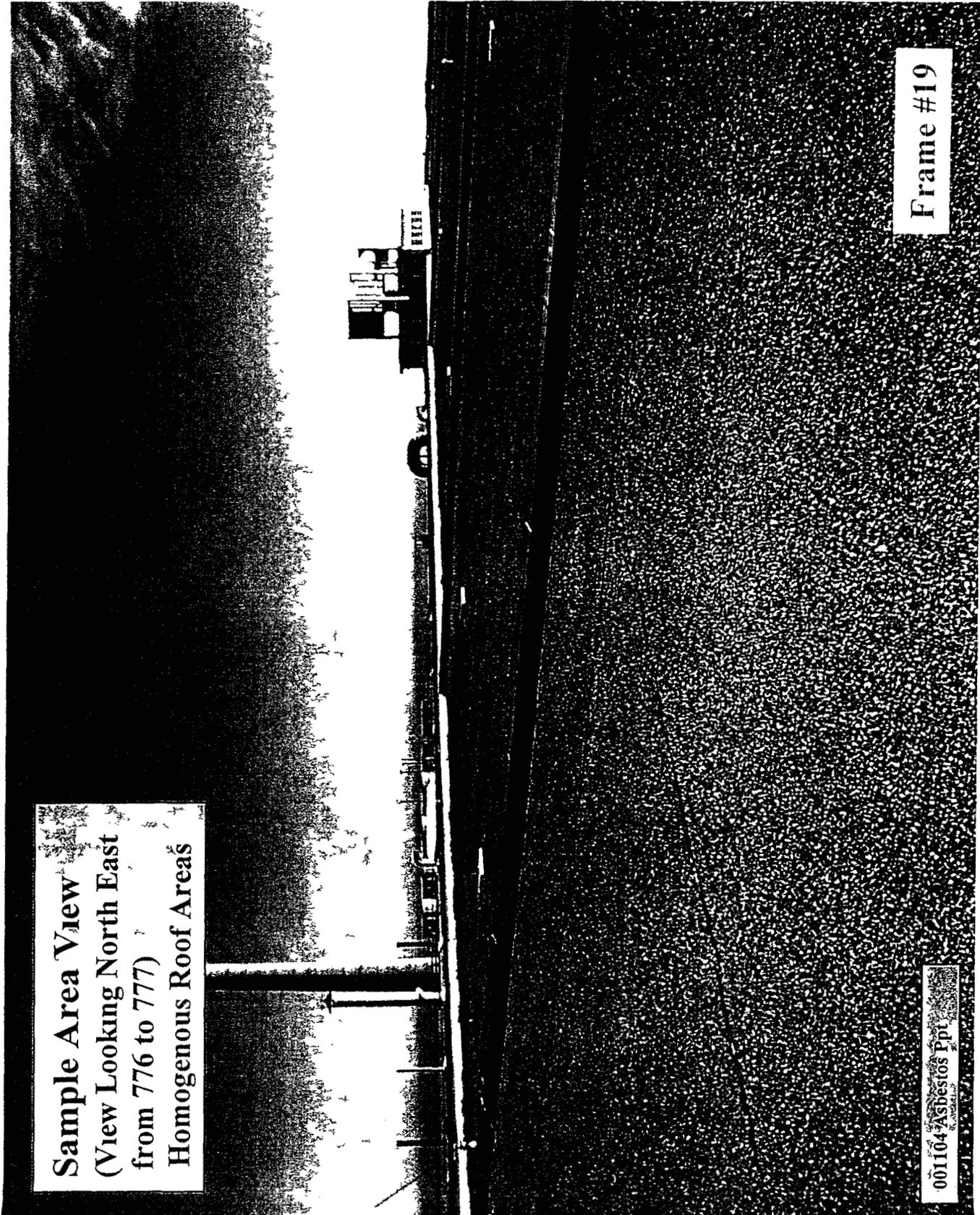
Frame #18

1001104 Asbestos.Ppt

Sample Area View
(View Looking North East
from 776 to 777)
Homogenous Roof Areas

Frame #19

001104 Asbestos Ppt
K. J. ...



RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0138

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 72876-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 00C1180, On Site Analysis, A. Gonzalez
 Date Samples Received: October 05, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
776-09230075-01	EM 508941	A Yellow/black mastic	1	Chrysotile	ND	4	96
		B White/tan tile	99	Chrysotile	4	0	96
776-09230075-02	EM 508942	A White/tan tile	40	Chrysotile	15	0	85
		B White/tan tile w/traces yellow mastic	60	Chrysotile	ND	TR	100
776-09230075-03	EM 508943	A Black mastic w/brown plaster	15	Chrysotile	TR	TR	100
		B White/tan tile	85	Point Count Chrysotile	TR 15	0	85
776-09230075-04	EM 508944	A Black mastic	15	Chrysotile	TR	TR	100
		B White/tan tile	85	Point Count Chrysotile	TR 15	0	85
776-09230075-06	EM 508945	A Yellow mastic	2	Chrysotile	ND	0	100
		B White/tan tile	18	Chrysotile	15	0	85
		C White/gray tile	80	Chrysotile	ND	4	96
776-09230075-08	EM 508948	A Yellow mastic	5	Chrysotile	ND	0	100
		B Black mastic	5	Point Count Chrysotile	TR TR	0	100
		C White/gray tile	35	Chrysotile	ND	TR	100
		D White/tan tile	55	Chrysotile	15	0	85



ND = None Detected
 TR = Traces, < 1 % Visual Estimate
 (Point Count Trace = Observed but not countable under protocol, < 0.25%)
 Analyses: PDL

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0138

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 72875-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 00C1180, On Site Analysis, A. Gonzales
 Date Samples Received: October 05, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER	Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)	
776-09230075-07	EM 508947	A White paint	10		ND	100
		B White/tan drywall	90		ND	86
776-09230075-08	EM 508948	A White mud w/white paint	100		ND	100
776-09230075-09	EM 508949	A Brown paint	2	Chrysotile	ND	100
		B White mastic	18	Paint Coated	TR 0.25	98
		C Brown cove	80		ND	100
776-09230075-10	EM 508950	A Grey fibrous plaster w/white fibrous woven material & white paint	100	Chrysotile	7	57
776-09230075-11	EM 508951	A White fibrous woven material w/white & green paint	10		ND	50
		B Gold fibrous material	90		ND	15
776-09230075-12	EM 508952	A Grey resinous material w/white paint	100		ND	100
776-09230075-13	EM 508953	A White mastic	1		ND	100
		B Yellow mastic	19		ND	100
		C White ethnet vinyl	80		ND	100

ND = None Detected
 TR = Trace, < 1% Visual Estimate

Trans-Act = Transolite-Actinolite
 Point Count Trace = Observed but not countable under protocol, < 0.25%

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 72875-1&2
 Client: Kaiser-Hill Analytical Services Division
 Date Samples Received: OOC1180, On Site Analysis, A. Gonzales
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
776-09230075-24	EM 508964	A Black mastic w/gray tile B White/tan tile	10 90	Chrysotile	ND 3	0 0	100 97
776-09230075-25	EM 508965	A Gray paint w/black mastic B White tile	10 90	Chrysotile	ND 3	0 0	100 97
776-09230075-26	EM 508966	A Gray transite w/multicolored paint	100	Chrysotile	20	0	80
776-09230075-27	EM 508967	A White resinous plaster w/white & orange paint	100		ND	8	92
776-09230075-28	EM 508968	A White perlitic plaster	100		ND	5	95
776-09230075-29	EM 508969	A White perlitic plaster	100		ND	5	95
776-09230075-30	EM 508970	A White perlitic plaster	100		ND	5	95
776-09230075-31	EM 508971	A White fibrous plaster w/tan paint	100	Chrysotile	40	0	60
776-09230075-32	EM 508972	A Gray transite w/multicolored paint	100	Chrysotile	20	0	80
776-09230075-33	EM 508973	A White fibrous woven material w/white paint B White fibrous plaster	10 90	Chrysotile Amosite	ND 3 TR	45 25	55 72

ND = None Detected
 TR = Traces, < 1% Visual Estimate

Trans-Ac = Tremolite-Actinolite
 Point Count Traces = Observed but not countable under protocol, < 0.25%

[Signature]
 Date: 04

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 72875-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: OOC1180, On Site Analysis, A. Gonzales
 Date Samples Received: October 05, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
776-09230075-34	EM 508974	A White fibrous woven material w/white paint	10	ND	ND	50	50
		B White fibrous plaster	90	40	40	0	60
776-09230075-35	EM 508975	A White fibrous woven material w/white paint	10	ND	40	70	30
		B White fibrous plaster	90	40	40	0	60
776-09230075-36	EM 508976	A White fibrous woven material w/white paint	10	ND	ND	70	30
		B White fibrous plaster	90	2	1	27	70
776-09230075-37	EM 508977	A White fibrous resinous paint	5	ND	ND	40	60
		B Grey fibrous plaster	95	ND	ND	30	70
776-09230075-38	EM 508978	A White fibrous woven material w/white paint	10	ND	ND	70	30
		B White fibrous plaster	90	TR	TR	30	70

ND = None Detected
 TR = Trace, < 1% Visual Estimate
 TR = Trace = Tremolite-Actinolite
 Point Count Trace = Observed but not countable under protocol, < 0.25%

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 72876-1&2
 Client: Kester-Hill Analytical Services Division
 Client Project: OOC1180, On Site Analysis, A. Gonzales
 Date Samples Received: October 05, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Verul Estimate (%)		
776-09230075-39	EM 508979	A White fibrous woven material w/white paint	10	ND	ND	70	30
		B White fibrous plaster	90	40	Chrysotile	0	60
776-09230075-40	EM 508980	A White fibrous woven material w/white paint	15	ND	ND	50	50
		B Tan resinous plaster w/white paint	85	ND	ND	8	92
776-09230075-41	EM 508981	A Yellow mastic	10	ND	ND	5	95
		B Tan fibrous woven material	20	ND	ND	99	1
		C Black tile	70	ND	ND	5	95
776-09230075-42	EM 508982	A tan/multicolored tile	100	3	Chrysotile	0	97
		A Gray paint w/yellow mastic	2	ND	ND	0	100
776-09230075-43	EM 508983	A Gray paint w/yellow mastic	98	4	Chrysotile	0	96
		B Tan/multicolored tile	100	ND	ND	1	99
776-09230075-44	EM 508984	A Gray granular plaster w/white paint	6	ND	ND	0	100
		A Black mastic	94	15	Chrysotile	0	85
776-09230075-45	EM 508985	A Black mastic	4	TR	Chrysotile	TR	100
		B Tan/multicolored tile	96	TR	Chrysotile	0	85
776-09230075-46	EM 508986	A Black mastic	4	TR	Chrysotile	TR	100
		B Tan/multicolored tile	96	TR	Chrysotile	0	85

ND = None Detected
 TR = Trace, < 1% Visual Estimate
 Trem-Ac = Tremolite-Actinolite
 Point Count Trace = Observed but not countable under protocol, < 0.25%

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 72875-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 00C1180, On Site Analysis, A. Gonzales
 Date Samples Received: October 05, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER	Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
Label				Mineral	Visual Estimate (%)	
776-09230075-47	EM 508987	A Multicolored paint	30		ND	100
		B White plaster	70		ND	100
776-09230075-48	EM 508988	A Tan mastic	TR		ND	100
		B White/tan tile	100	Chrysotile	6	94
776-09230075-49	EM 508989	A Tan tile chips	2	Chrysotile	15	85
		B Yellow mastic	3		ND	100
		C White/gray tile	96		ND	100
776-09230075-50	EM 508990	A Black mastic	TR		ND	100
		B Yellow mastic	8	Chrysotile Point Count	TR 0.25	100
		C Tan/multicolored tile	92	Chrysotile	15	85
776-09230075-51	EM 508991	A Black mastic	4		ND	100
		B Tan/multicolored tile	96	Chrysotile	15	86
776-09230075-52	EM 508992	A Tan tile chips	1	Chrysotile	15	85
		B Yellow mastic	14	Chrysotile Point Count	TR ND	100
		C White tile	85		ND	100

TR = None Detected
 ND = Trace, < 1% Visual Estimate

TR = Trace, < 1% Visual Estimate

TR = Trace, < 1% Visual Estimate

TR = Trace, < 1% Visual Estimate

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

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TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 72875-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 00C1180, On Site Analysis, A. Gorzales
 Date Samples Received: October 05, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)	
776-09230075-53	EM 508993	A Gray granular plaster (2-layers) w/white paint	100	ND	TR	100
776-09230075-54	EM 508984	A White resinous plaster w/white paint	100	ND	10	90
776-09230075-55	EM 508995	A White fibrous material w/white paint B Gold fibrous material	20 80	70 ND	TR 85	100 15
776-09230075-56	EM 508996	A Black mastic B Tan tile	5 95	ND 6	0 0	100 100
776-09230075-57	EM 508997	A Black mastic B Tan tile	10 90	ND 6	0 0	100 100
776-09230075-58	EM 508998	A White paint w/white mud B White/tan drywall	10 90	3 ND	0 15	100 85
776-09230075-59	EM 508999	A White mud w/white paint B White/tan drywall	20 80	4 ND	0 20	100 80
776-09230075-60	EM 509000	A White fibrous resinous paint B Gray fibrous plaster	5 95	ND ND	50 25	50 75

ND = None Detected
 TR = Traces, < 1% Visual Estimate
 Tnem-Acc = Tnem-Accredited
 Point Count Traces = Observed but not countable under protocol, < 0.25%

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 72875-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 00C1180, On Site Analysis, A. Gonzales
 Date Samples Received: October 05, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Layer	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)	
776-09230075-61	EM 509001	A	White fibrous woven material w/white paint	3	ND	90	10
		B	Silver/white wrap	3	ND	75	25
		C	Yellow fibrous material	94	ND	90	10
776-09230075-62	EM 509002	A	White tape	5	ND	98	2
		B	White mud w/white paint	10	3	0	97
		C	White/tan drywall	85	ND	20	80
776-09230075-63	EM 509003	A	White mud w/white paint	3	3	0	97
		B	White tape	3	ND	98	2
		C	White/tan drywall	94	ND	20	80
776-09230075-64	EM 509004	A	White paint	5	ND	0	100
		B	White/tan drywall	95	ND	15	85
776-09230075-65	EM 509005	A	White mud w/white paint	10	ND	0	100
		B	White/tan drywall	90	ND	20	80
776-09230075-66	EM 509006	A	Gray fibrous material w/white fibrous woven material & yellow paint	10	30	50	20
		B	White fibrous plaster	90	8	0	75

TR = Traces, < 1% Visual Estimate

ND = None Detected

Trans-Act = Transicite-Accinolate

Point Count Traces = Observed but not countable under protocol, < 0.25%

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1898 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 72875-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: OOC1180, On Site Analysis, A. Gonzales
 Date Samples Received: October 05, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
776-09230075-67	EM 509007	A White fibrous resinous paint	5	ND	ND	60	40
		B Gray fibrous plaster	95	ND	ND	25	75
776-09230075-68	EM 509008	A White fibrous woven material w/white & green paint	100	ND	ND	70	30
		A White fibrous woven material w/white paint & black tar	10	ND	ND	50	50
776-09230075-69	EM 509009	B White foam	90	ND	ND	0	100
		A White fibrous woven material w/white paint & black tar	5	ND	ND	85	15
776-09230075-70	EM 509010	B Gray fibrous plaster	10	ND	ND	20	80
		C Yellow fibrous material	85	ND	ND	90	10
		A White fibrous woven material	10	ND	ND	93	7
776-09230075-71	EM 509011	B Gray fibrous plaster	90	ND	ND	25	75
		A Black resinous material	5	ND	ND	0	100
776-09230075-72	EM 509012	B White fibrous woven material w/white & green paint	15	ND	ND	60	40
		C Blue foam	80	ND	ND	0	100
		A Gray transite w/white paint	100	Chrysotile	20	0	80

ND = None Detected
 TR = Trace, < 1% Visual Estimate
 Trans-Act = Transolite-Actinolite
 Point Count Trace = Observed but not countable under protocol, < 0.25%

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1898
 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 72875-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: OOC1180, On Site Analysis, A. Gonzales
 Date Samples Received: October 05, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	L a y e r	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
776-09230075-74	EM 509014	A B	Black tar	5	ND	5	95	86
			Gold fibrous material	95	ND	85	15	15
776-09230075-75	EM 509015	A	Gray transite w/white paint	100	15	0	85	80
					5			
776-09230075-76	EM 509016	A B	White fibrous resinous paint	5	ND	50	95	50
			Gray fibrous plaster	95	ND	25	5	75
776-09230075-77	EM 509017	A B	White foam	20	ND	0	80	100
			White fibrous plaster	80	15	20	5	65
776-09230075-78	EM 509018	A B C	Clear resin	2	ND	0	98	100
			White fibrous woven material w/white & green paint	8	ND	70	2	30
			White foam	90	ND	0	10	100
776-09230075-79	EM 509019	A B	Gold fibrous material	20	ND	80	80	20
			White fibrous woven material w/white paint	80	50	0	50	50

ND = None Detected
 TR = Trace, < 1% Visual Estimate
 Trans-Act = Tremolite-Actinolite
 Point Count Trace = Observed but not calculable under protocol, < 0.25%

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 72875-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 00C1180, On Site Analysis, A. Gonzales
 Date Samples Received: October 05, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Layer	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER Mineral	Non-Fibrous Components (%)	Non-Fibrous Components (%)
776-09230075-80	EM 509020	A	White resinous paint	5		ND	95
		B	White fibrous resinous paint	5		ND	70
		C	Yellow fibrous material	10		ND	10
		D	Gray fibrous micaceous plaster	35		ND	70
		E	Gray fibrous plaster	45		ND	75

ND = None Detected
 TR = Traces, < 1% Visual Estimate

TR = Act = Tremolite-Actinolite
 Point Count Traces = Observed but not countable under protocol, < 0.25%

TR 30/04

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

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TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 72874-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 0120001, On Site Sample Analysis, A. Gerzales
 Date Samples Received: October 05, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER			Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)			
776-09292000-05-001	EM 508927	A White fibrous plaster	100	Amosite	15	0	85	
776-09292000-05-002	EM 508928	A Gray transite w/white paint	100	Chrysotile	20	0	80	
776-09292000-05-003	EM 508929	A Multicolored paint w/white fibrous woven material B White foam	40 60	Chrysotile Point Count	TR 0.25 ND	20 0	80 100	
776-09292000-05-004	EM 508930	A White fibrous resinous paint B Gray fibrous plaster	5 95		ND ND	60 20	40 80	
776-09292000-05-005	EM 508931	A White/green resinous paint B White resinous paint C Gray fibrous plaster D Yellow fibrous material	10 10 35 45		ND ND ND ND	10 0 20 80	90 100 80 10	
776-09292000-05-006	EM 508932	A White/silver wrap w/green paint B Yellow/tan fibrous material	5 95		ND ND	70 80	30 10	
776-09292000-05-007	EM 508933	A Green resinous paint B Blue foam	10 90		ND ND	0 0	100 70	

ND = None Detected
 TR = Trace, < 1% Visual Estimates
 Trans-Act = Transmits-Accholia
 Point Count Traces = Observed but not countable under protocol, < 0.25%
 Analyt: PDL
 Data DA

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.

NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 72874-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 0120001, On Site Sample Analysis, A. Gonzalez
 Date Samples Received: October 05, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER			Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)	Non-Asbestos Fibrous Components (%)	
776-08292000-05-008	EM 508934	A White fibrous woven material w/green paint	10	ND	ND	50	50
		B White fibrous plaster	90	Chrysotile Paint Coated	TR TR	29	70
776-08292000-05-009	EM 508935	A Gray fibrous plaster (little material)	20	ND	ND	50	50
		B Green/orange paint	30	ND	ND	0	100
		C White fibrous woven material	50	Amosite Paint Coated	1 0.5	97	3
776-08292000-05-010	EM 508936	A Green/orange paint	6	ND	ND	0	100
		B White fibrous woven material	14	ND	ND	97	3
		C Blue foam	80	ND	ND	0	100
776-08292000-05-011	EM 508937	A Yellow fibrous material	5	ND	ND	90	10
		B White resinous paint	10	ND	ND	0	100
		C Green/white fibrous resinous paint	10	ND	ND	25	75
		D Gray fibrous plaster	75	ND	ND	25	75
776-08292000-05-012	EM 508938	A White/silver wrap w/green resinous paint	8	ND	ND	60	40
		B Yellow fibrous material	92	ND	ND	85	15

ND = None Detected
 TR = Trace, < 1% Visual Estimate
 Trem-Ac = Tremolite-Actinolite
 Point Count Trace = Observed but not countable under protocol, < 0.25%
 Date/DA

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 72874-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 0120001, On Site Sample Analysis, A. Gonzales
 Date Samples Received: October 05, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Layer	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)	
776-09292000-05-013	EM 508939	A Tan mastic B White/gray tile	A	8	ND	0	100
				92	ND	0	100
776-09292000-05-014	EM 508940	A White/gray tile	A	100	ND	0	100

ND = None Detected
 TR = Traces, < 1% Visual Estimate
 Trem-Acct = Tremolite-Actinolite
 Point Count Traces = Observed but not countable under protocol, < 0.25%

USA
 10/5/00

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 73019-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 01C0005/DA-A00009, On Site Sample Analysis, A. Gonzalez
 Date Samples Received: October 12, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
776-100720005-001 EM 509953		A White mud w/blue paint	5	ND	ND	0	100
		B White tape	15	ND	ND	98	2
		C White/tan drywall	80	ND	ND	30	70
776-100720005-002 EM 509954		A White tape	15	ND	ND	98	2
		B White/tan drywall	20	ND	ND	40	60
		C White mud w/blue paint	65	ND	ND	0	100
776-100720005-003 EM 509955		A Black mastic	1	ND	ND	0	100
		B White/tan tile	98	Chrysotile	3	0	97
776-100720005-004 EM 509956		A Brown mastic	5	ND	ND	5	95
		B Brown cove	95	ND	ND	0	100
776-100720005-005 EM 509957		A White/tan ceiling tile	100	ND	ND	70	30
776-100720005-006 EM 509958		A Gray granular plaster	100	ND	ND	0	100
776-100720005-007 EM 509959		A Gray resinous material w/multicolored paint	30	ND	ND	0	100
		B Yellow fibrous material	70	ND	ND	93	7
776-100720005-008 EM 509960		A Gray fibrous material w/tan paint	100	Chrysotile	15	15	70
776-100720005-009 EM 509961		A Gray transite w/tan/green paint	100	Chrysotile	20	0	80

TR = None Detected
 TR = Trace, < 1% Visual Estimate
 TR = Act = Transite-Actinolite
 Point Count Trace = Observed but not countable under protocol, < 0.25%
 Analyst: PDL
 Date: 10/24/00

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number RES 73019-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 01C0005/DA00009, On Site Sample Analysis, A. Gonzalez
 Date Samples Received: October 12, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
776-100720005-010 EM 509962		A Silver foil w/gray paint	10	ND	0	100	
		B Orange foam	90	ND	5	95	
776-100720005-011 EM 509963		A White mud w/yellow paint	10	ND	0	100	
		B White/tan drywall	90	ND	30	70	
776-100720005-012 EM 509964		A White resinous paint	5	ND	0	100	
		B White fibrous woven material	15	ND	90	10	
		C White fibrous micaceous plaster	25	TR	25	75	
		D Orange fibrous material	55	TR	90	10	
776-100720005-013 EM 509965		A Silver/white wrap	7	ND	80	20	
		B White fibrous woven material	13	ND	98	2	
		C Orange fibrous material	80	ND	90	10	
776-100720005-014 EM 509966		A White resinous paint	5	ND	0	100	
		B White fibrous resinous paint	5	ND	40	60	
		C Yellow fibrous material	10	ND	85	15	
		D Gray fibrous plaster	80	ND	25	75	
776-100720005-015 EM 509967		A Silver wrap w/white resinous paint	10	ND	70	30	
		B Yellow fibrous material	90	ND	80	10	

ND = None Detected
 TR = Trace, < 1% Visual Estimate
 Trem-Act = Tremolite-Actinolite
 Point Count Trace = Observed but not countable under protocol, < 0.25%

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 73019-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 01C0005/DAA00009, On Site Sample Analysis, A. Gonzalez
 Date Samples Received: October 12, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER			Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)	Non-Asbestos Fibrous Components (%)	
776-100720005-016 EM 509968		A White fibrous resinous paint	8	ND	ND	40	60
		B Gray fibrous plaster	92	ND	ND	25	75
776-100720005-017 EM 509969		A White fibrous resinous paint	8	ND	ND	40	60
		B Gray fibrous plaster	92	ND	ND	25	75
776-100720005-018 EM 509970		A Tan resinous plaster w/white paint	100	ND	ND	10	90
776-100720005-019 EM 509971		A White fibrous resinous paint	5	ND	ND	40	60
		B Gray fibrous plaster	95	ND	ND	25	75
776-100720005-020 EM 509972		A White fibrous resinous paint	5	ND	ND	40	60
		B Gray fibrous plaster	95	ND	ND	25	75
776-100720005-021 EM 509973		A Clear resin	5	ND	ND	0	100
		B silver/white wrap w/white resinous paint	15	ND	ND	70	30
		C Orange fibrous material	80	ND	ND	90	10
777-100720005-001 EM 509974		A White fibrous resinous paint	8	ND	ND	40	60
		B Gray fibrous plaster	92	ND	ND	20	80
777-100720005-002 EM 509975		A White plaster	100	ND	ND	0	100
777-100720005-003 EM 509976		A White/tan resinous plaster	100	ND	ND	5	95

ND = None Detected
 TR = Trace, < 1% Visual Estimate
 Term-Act = Tremolite-Actinolite
 Point Count Trace = Observed but not countable under protocol, < 0.28%

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 73019-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 01C0005/DA400009, On Site Sample Analysis, A. Gonzalez
 Date Samples Received: October 12, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
777-100720005-004 EM 509977	A	Brown/multicolored linoleum	100	Chrysotile	25	TR	75
777-100720005-005 EM 509978	A	Brown/multicolored linoleum w/brown mastic	100	Chrysotile	25	2	73
777-100720005-006 EM 509979	A	White ceiling tile	100	Chrysotile	ND	65	35
777-100720005-007 EM 509980	A B	Black mastic w/gray paint Red/white tile	10 90	Chrysotile	ND 10	0 0	100 90
777-100720005-008 EM 509981	A B	Black mastic w/gray paint Red/white tile	6 94	Chrysotile	ND 10	0 0	100 90
777-100720005-009 EM 509982	A	Brown mastic	2	Trem-Act Paint Coated	TR	0	100
	B	Black cove	98	Anthrophyllite Paint Coated	TR 0.25	0	100
777-100720005-010 EM 509983	A	Yellow fibrous material w/white paint	100	Chrysotile	ND	80	20
777-100720005-011 EM 509984	A B C	White tape White mud w/blue paint White/tan drywall	5 15 80	Chrysotile Composite	ND 3 0.5	98 0	2 87

ND = None Detected
 TR = Traces, < 1% Visual Estimates
 Trem-Act = Tremolite-Actinolite
 Point Count Traces = Observed but not countable under protocol, < 0.25%

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 73019-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 01C0005/DAA00008, On Site Sample Analysis, A. Gonzalez
 Date Samples Received: October 12, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
777-100720005-012 EM 509985	A	White/pink ceiling tile	100	Chrysotile	1	80	19
				Point Count	0.25		
777-100720005-013 EM 509986	A	Yellow fibrous material w/white paint	100	Amosite	TR	80	20
				Point Count	TR		
777-100720005-014 EM 509987	A	Blue foam w/white paint	100	ND	ND	0	100
777-100720005-015 EM 509988	A	White granular plaster	35	Chrysotile	ND	TR	100
				Point Count	TR		
777-100720005-016 EM 509989	A	White fibrous woven material w/green paint	10	Chrysotile	TR	70	30
				Point Count	0.25		
777-100720005-017 EM 509990	A	White fibrous plaster	90	Amosite	TR	30	70
				Point Count	0.25		
				Chrysotile	ND		
777-100720005-017 EM 509990	B	White plaster w/white & green paint	25	Chrysotile	TR	0	100
				Point Count	0.25		
	C	White granular plaster	60	ND	ND	0	100

ND = None Detected
 TR = Traces, < 1% Visual Estimate
 1 Trace-Act = Tremolite-Actinolite
 Point Count Traces = Observed but not countable under protocol, < 0.25%

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 73019-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: OTC0005/DAA00009, On Site Sample Analysis, A. Gonzalez
 Date Samples Received: October 12, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)	
777-100720005-018 EM 509991	A	White plaster w/white & green paint	15	Chrysotile	TR	100
		Blue foam	35	Point Count	0.25	0
		White granular plaster	50	ND	ND	100
777-100720005-019 EM 509992	A	Black mastic	8	Chrysotile	ND	100
		White/gray tile	92	3	0	97
777-100720005-020 EM 509993	A	Black mastic	5	Chrysotile	ND	100
		White/gray tile	96	3	0	97
777-100720005-021 EM 509994	A	Yellow/black mastic	8	Chrysotile	TR	100
		White tile	92	Point Count	ND	0
777-100720005-022 EM 509995	A	Black/yellow mastic	20	Chrysotile	TR	100
		Gray granular plaster	80	Point Count	TR	0
777-100720005-023 EM 509996	A	Brown mastic	5	Chrysotile	TR	94
		Brown cove	95	Point Count	TR	0

ND = None Detected
 TR = Traces, < 1% Visual Estimate
 Trans-Act = Trans-Actinobasites
 Point Count: Traces = Observed but not countable under protocol < 0.25%

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 73019-1
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 01C0005/DAA00009, On site sample analysis
 Date Samples Received: October 12, 2000
 Analysis Type: PLM Short Report, Bulk Turnaround.

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER			Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)	Fibrous Components (%)	
777-100720005-024 EM 509997		A White fibrous woven material w/white paint	7		ND	0	100
		B White fibrous plaster	93	Chrysotile Amosite	ND 1 1	0 38	100 61
777-100720005-025 EM 509998		A Silver wrap w/white paint	15		ND	60	40
		B Gold fibrous material	85		ND	40	60
777-100720005-026 EM 509989		A White fibrous woven material w/white paint	10		ND	50	50
		B Gold fibrous material	90		ND	90	10
777-100720005-027 EM 510000		A Brown mastic	5	Trem-Act Point Count	TR	0	100
		B White mastic	15	Anthrophyllite Point Count	TR	0	100
		C Blue cove	80		0.25 ND ND	0 0	100 100
777-100720005-028 EM 510001		A White fibrous woven material w/blue & white paint	10		ND	70	30
		B White fibrous plaster	90	Chrysotile Point Count Amosite	TR TR Z	38	60

ND = None Detected
 TR = Traces, < 1% Visual Estimate
 Trem-Act = Tremolite-Actinolite
 Point Count Traces = Observed but not countable under protocol, < 0.25%

Date: 0A

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 73019-1
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 01C0005/DAAG0009, On site sample analysis
 Date Samples Received: October 12, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER	Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)	
777-100720005-029	EM 510002	A White fibrous woven material w/multi-colored paint	20	ND	ND	30
		B Gold fibrous material	80	ND	ND	10
777-100720005-030	EM 510003	A White tape	8	ND	ND	2
		B White mud w/blue paint	17	ND	ND	100
		C White/tan drywall	75	ND	ND	80
777-100720005-031	EM 510004	A White/tan ceiling tile	100	ND	ND	30
777-100720005-032	EM 510005	A White ceiling tile	100	Amosite Point Count	TR TR	30
777-100720005-033	EM 510006	A White/tan ceiling tile	100	Amosite	TR	30
777-100720005-034	EM 510007	A White/pink ceiling tile	100	Point Count	ND TR	30
777-100720005-035	EM 510008	A White fibrous woven material	15	ND	ND	1
		B Blue foam	85	ND	ND	100
777-100720005-036	EM 510009	A White fibrous woven material	15	Chrysotile	ND	4
		B White fibrous plaster	85	Amosite	1 2	83 100

ND = None Detected
 TR = Traces, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite
 Point Count Traces = Observed but not countable under protocol, < 0.25%

Data QA

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 73019-1
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 01C0005/DAA00008, On site sample analysis
 Date Samples Received: October 12, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Layer	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)	
777-100720005-037	EM 510010	A	White fibrous plaster w/white fibrous woven material	100	Chrysotile	10	65
					Amosite	10	
777-100720005-038	EM 510011	A	White fibrous woven material	7	ND	97	3
		B	White fibrous woven material w/white paint	8	ND	85	
		C	White fibrous plaster	85	1	37	
						2	60

ND = None Detected
 TR = Traces, < 1% Visual Estimate
 Trans-Act = Trans-Actinoids
 Point Count Traces = Observed but not countable under protocol, < 0.25%
 Data QA

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896
 TOH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME
 RES Job Number
 Client
 Client Project.
 Date Samples Received
 Analysis Type.
 Turnaround:

RES 73524-1&2
 Kaiser-Hill Analytical Services Division
 01C0029/DAA00009, On-Site Sample Analysis, A Gonzalez
 November 06, 2000
 PLM Short Report, Bulk
 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT		Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				BY LAYER	Visual Estimate (%)		
Layer		Mineral					
776-1024200005-001	EM 513504	A White fibrous material	100		ND	90	10
776-1024200005-002	EM 513505	A White fibrous material	100		ND	90	10
776-1024200005-003	EM 513506	A Gray granular plaster w/gray paint	100		ND	0	100
776-1024200005-004	EM 513507	A Gray granular plaster w/gray paint	100		ND	0	100
776-1024200005-005	EM 513508	A White granular plaster w/gray paint	100		ND	TR	100
776-1024200005-006	EM 513509	A White sealant (2-layers) B Gray fibrous plaster	7 43	Chrysotile Poult Count	ND TR ND	30 30	70 70
776-1024200005-007	EM 513510	C Gold fibrous material	50		ND	90	10
777-1024200005-001	EM 513511	A White sealant w/pink fibrous material	5		ND	10	90
		B White sealant	7		ND	30	70
		C Gray fibrous plaster	88		ND	20	80
777-1024200005-002	EM 513512	A Black mastic	2	Chrysotile	ND	0	100
		B Tan/multicolored tile	98		5	0	95
		A Black mastic	2	Chrysotile	ND	0	100
		B Tan tile	98		5	0	95

Analyst PDL
 Point Count Traces = Observed but not countable under protocol, < 0.25%
 Trem-Act = Tremolite-Actinolite
 ND = None Detected
 TR = Traces, < 1% Visual Estimate

Data QA

RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 73524-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: O1C0029/DAA00009, On-Site Sample Analysis, A Gonzalez
 Date Samples Received: November 06, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
777-1024200005-003	EM 513513	A Brown mastic	15	Trem-Act Point Count	ND	15	85
		B Black cove	85	Amphiphyllite Point Count	TR 0.25	0	100
777-1024200005-004	EM 513514	A White fibrous woven material	100	Chrysotile	35	60	5
		A White granular plaster w/white paint	100	Chrysotile	ND	0	100
777-1024200005-005	EM 513515	A Multicolored paint w/white fibrous woven material	15	Chrysotile	TR	40	60
		B White fibrous plaster	85	Amosite Crocidolite	5 TR	15	80
777-1024200005-007	EM 513517	A Multicolored paint	10	Chrysotile	3	0	97
		B White fibrous woven material	10		ND	97	3
		C Gold fibrous material	80		ND	90	10

Date PA

ND = None Detected
 TR = Trace, < 1% Visual Estimate
 Trem-Act = Tremolite-Actinolite
 Point Count Trace = Observed but not countable under protocol < 0.25%

RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

Page 1 of 2

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 73675-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 01C0030/DAA00008, On-Site Sample Analysis, Andre Gonzales
 Date Samples Received: November 13, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER	Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)	
776-1104200005-001	EM 514597	A Gray resinous material	100	ND	ND	100
776-1104200005-002	EM 514598	A White fibrous plaster	100	ND	ND	85
776-1104200005-003	EM 514599	A Yellow resin w/silver paint	3	Chrysotile	5	95
		B Black tar w/white fibrous woven material	27	Chrysotile	20	55
		C Black/silver fibrous resinous material	23	ND	ND	80
		D Black fibrous resinous tar	35	ND	15	85
776-1104200005-004	EM 514600	A Black fibrous resinous tar	10	ND	ND	80
		B Black tar w/white fibrous woven material	40	Chrysotile	TR	80
		C Tan fibrous material	50	Point Count	TR	7
776-1104200005-005	EM 514601	A White foam	5	ND	ND	100
		B Tan fibrous perititic material	40	ND	ND	50
		C Black tar w/black fibrous tar	55	ND	ND	80
776-1104200005-006	EM 514602	A Black fibrous tar w/black tar & silver paint & black fibrous resinous tar	100	ND	ND	76

ND = None Detected
 TR = Traces, < 1% Visual Estimate
 Point Count Traces = Observed but not countable under protocol, < 0.25%
 Analyst: PDL
 Date: 11/14/00

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.

NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 73675-1&2
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 01C0030/DAA00009, On-Site Sample Analysis, Andre Gonzales
 Date Samples Received: November 13, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER			Non-Fibrous Components (%)
				Mineral	Fibrous Components (%)	Non-Fibrous Components (%)	
776-1104200005-007	EM 514603	A Black fibrous tar w/yellow fibrous material & silver foil	100	Chrysotile	5	85	
776-1104200005-008	EM 514604	A White foam B Black fibrous tar w/black tar	5 95	ND ND	0 0	100 100	
776-1104200005-009	EM 514605	A Silver paint B Black resinous tar w/black fibrous resinous tar C Black tar w/black fibrous tar	8 42 50	ND ND ND	2 6 15	98 95 85	
776-1104200005-010	EM 514606	A Black fibrous tar B Tan fibrous material C Black resinous tar w/black fibrous resinous tar & silver paint	25 35 40	ND ND ND	15 95 10	85 5 90	
776-1104200005-010-LE	EM 514607	A Tan fibrous peribic material B White foam C Black fibrous tar D Black fibrous tar w/black tar	3 7 25 65	ND ND 30 TR	50 0 0 20	50 100 70 80	
776-1104200005-012	EM 514608	A White/black shingle	100	ND	40	60	
776-1104200005-013	EM 514609	A Grey resinous material	100	ND	0	100	

2
Date OA

ND = None Detected
 TR = Trace, < 1% Visual Estimate
 Term-Act = Tremolite-Actinolite
 Point Count Trace = Observed but not countable under protocol, < 0.25%

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896
 TDH 30-0136

TABLE 1. PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: RES 73792-1
 Client: Kaiser-Hill Analytical Services Division
 Client Project: 00C0037DAA00009, On-Site Sample Analysis
 Date Samples Received: November 20, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER			Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)	Non-Asbestos Fibrous Components (%)	
776-1116200005-001	EM 515329	A White foam w/white fibrous material	10	ND	ND	10	90
		B Tan fibrous perlitic material	20	ND	ND	50	50
		C Black tar w/black fibrous tar	70	ND	ND	30	70
776-1116200005-002	EM 515330	A White foam	3	ND	ND	0	100
		B Tan fibrous perlitic material	17	ND	ND	50	50
		C Black tar w/black fibrous tar	80	ND	ND	30	70
776-1116200005-003	EM 515331	A White foam	25	ND	ND	0	100
		B Tan fibrous perlitic material	30	ND	ND	50	50
		C Black tar w/black fibrous tar	45	ND	ND	30	70
776-1116200005-004	EM 515332	A White foam	10	ND	ND	0	100
		B Tan fibrous perlitic material	10	ND	ND	50	50
		C Black tar w/black fibrous tar	80	ND	ND	25	75
776-1116200005-005	EM 515333	A White foam w/white fibrous material	10	ND	ND	0	100
		B Tan fibrous perlitic material	20	ND	ND	50	50
		C Black tar w/black fibrous tar	70	ND	ND	30	70
776-1116200005-006	EM 515334	A Tan fibrous perlitic material	5	ND	ND	50	50
		B White foam w/white fibrous material	10	ND	ND	10	90
		C Black tar w/black fibrous tar	85	ND	ND	20	80

Item-Act = Tremolite-Actinolite
 Point Count Trace = Observed but not countable under protocol, < 0.25%
 Analyst: PDL

ND = None Detected
 TR = Trace < 1% Visual Estimate

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number RES 73792-1
 Client Kaiser-Hill Analytical Services Division
 Client Project OOC0037/DAAA00009, On-Site Sample Analysis
 Date Samples Received: November 20, 2000
 Analysis Type PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	L a v e r	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER		Non-Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
776-1116200005-007	EM 515335	A	White linoleum w/tan mastic	100	Chrysotile	20	TR	80
776-1116200005-008	EM 515336	A	White linoleum w/tan mastic	100	Chrysotile	25	TR	75
776-1116200005-009	EM 515337	A	White fibrous material	100		ND	70	30
776-1116200005-010	EM 515338	A	Gray paint	8		ND	0	100
		B	Brown granular resinous material	92		ND	0	100
776-1116200005-011	EM 515339	A	Gray paint	8		ND	0	100
		B	Brown granular resinous material	92		ND	0	100
776-1116200005-012	EM 515340	A	Black mastic	1		ND	5	95
		B	Black resinous material	3		ND	0	100
		C	White plaster	11		ND	0	100
		D	Gray granular tile	85		ND	0	100
776-1116200005-013	EM 515341	A	Black mastic	4		ND	0	100
		B	Blue/multicolored tile	96	Chrysotile	10	0	90
776-1116200005-014	EM 515342	A	Black mastic	4		ND	0	100
		B	Blue/multicolored tile	96	Chrysotile	10	0	90

ND = None Detected
 TR = Trace, < 1% Visual Estimate

Train-Act = Tremolite-Actinolite
 Point Count Trace = Observed but not countable under protocol, < 0.25%

Data NA

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RESERVOIRS ENVIRONMENTAL SERVICES, INC.
 NVLAP Accredited Laboratory #1896 TDH 30-0136

TABLE I PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number RES 73792-1
 Client: Kaiser-Hill Analytical Services Division
 Client Project: OOC0037/DAA00009, On-Site Sample Analysis
 Date Samples Received: November 20, 2000
 Analysis Type: PLM Short Report, Bulk
 Turnaround: 24 Hour

Client Sample Number	Lab ID Number	Physical Description	Portion of Total Sample (%)	ASBESTOS CONTENT BY LAYER			Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)	Fibrous Components (%)	
776-1116200005-015	EM 515343	A Black mastic	4	ND	ND	3	97
		B White/green tile	96	ND	ND	0	100
776-1116200005-016	EM 515344	A Black mastic	5	ND	ND	0	100
		B White/tan tile	95	ND	ND	0	100
776-1116200005-017	EM 515345	A Black mastic	1	ND	ND	0	100
		B White/tan tile	99	ND	ND	0	100

ND = None Detected
 TR = Trace, < 1% Visual Estimate
 Trem Act = Tremolite-Actinolite
 Point Count Trace = Observed but not countable under protocol, < 0.25%



01C0029

Name of Originator Andr. Gonzalez Title THA Bldg/Ext 116/56122 Date 11/6/00 Page 1 of 1

SAMPLE NUMBER Bldg/Y/M/D/P/#/S#	ANALYZE FOR	VOLUME liters	SAMPLE TIME/	MEDIA	P A B	Personal Area Bulk	REMARKS	Lab Number
726-10242002-05-021	Asbestos				T	T	THORNTON	
726-10242002-05-022								
726-10242002-05-023								
726-10242002-05-024								
726-10242002-05-025								
726-10242002-05-026								
726-10242002-05-027								
727-10242002-05-028								
727-10242002-05-029								
727-10242002-05-030								
727-10242002-05-031								
727-10242002-05-032								
727-10242002-05-033								
727-10242002-05-034								
727-10242002-05-035								
727-10242002-05-036								
727-10242002-05-037								

Relinquished by	Time/Date	Relinquished by	Time/Date	Received by	Time/Date
<u>Paul D. O'Leary</u>	<u>1000 11-6-00</u>				

Report and Billing Instruction

Kaiser-Hill Verbal To: A. Gonzalez

RMRS Fax To: 6678

SSOC Report To: A. Gonzalez

DynCorp Bill To: KL

WSI P O #/Release: DAA 0009

Lab: Rocky Flats

Analysis Request

Industrial Hygiene Sample

Standard Service

Standard Service

Rush

Asbestos Samples

24 Flush

2 Other

2 Other

Seal# (Release #)

Condition of Seal Broken Unbroken

Signature _____

Comments _____

White - Return to Originator Yellow - Lab Copy Green - Sample Custodian Blue - Originator

Safety and Hygiene Chain of Custody Record and Analysis Request

01C0030

Name of Originator: <u>A. Casariego</u>		Title: <u>THU</u>		Bldg/Ext: <u>114/1113</u>		Date: <u>11/13/02</u>		Page 1 of 1	
SAMPLE NUMBER Bldg/Y/M/D/P#/S#	ANALYZE FOR	VOLUME liters	SAMPLE TIME/	MEDIA	P A B	Personal Area Bulk	REMARKS	Lab Number	
726-11042002-05-001	air filter						THU02001		
726-11042002-05-002									
726-11042000-05-003									
726-11042000-05-004									
726-11042002-05-005									
726-11042000-05-006									
726-11042000-05-007									
726-11042000-05-008									
726-11042000-05-009									
726-11042000-05-010									
726-11042000-05-011									
726-11042002-05-012									
726-11042000-05-013									
<i>Hand Sample</i>									
Relinquished by <u>[Signature]</u>	Received by <u>[Signature]</u>	Time/Date <u>11/13/02</u>	Time/Date <u>11/13/02</u>	Relinquished by	Received by	Time/Date	Time/Date		
Relinquished by	Received by	Time/Date	Time/Date	Relinquished by	Received by	Time/Date	Time/Date		
Relinquished by	Received by	Time/Date	Time/Date	Relinquished by	Received by	Time/Date	Time/Date		
Relinquished by	Received by	Time/Date	Time/Date	Relinquished by	Received by	Time/Date	Time/Date		
Report and Billing Instruction									
Kaiser-Hill <input checked="" type="checkbox"/>	Verbal To <u>A. Casariego</u>	Industrial Hygiene Sample <input type="checkbox"/>		Analysis Request		Seal# (Release #)		Condition of Seal <input type="checkbox"/> Broken <input type="checkbox"/> Unbroken	
RMRS <input type="checkbox"/>	Fax To <u>6372</u>	Standard Service <input type="checkbox"/>		Standard Service <input type="checkbox"/>		Signature		Comments	
SSOC <input type="checkbox"/>	Report To <u>A. Casariego</u>	Rush <input type="checkbox"/>		Asbestos Samples <input type="checkbox"/>		Comments			
DynCorp <input type="checkbox"/>	Bill To <u>THU</u>	24 Rush <input type="checkbox"/>		24 Rush <input type="checkbox"/>					
WSI <input type="checkbox"/>	P O #/Release <u>11042002</u>	Rush <input type="checkbox"/>		Rush <input type="checkbox"/>					
	Lab <u>[Signature]</u>								

White - Return to Originator Yellow - Lab Copy Green - Sample Custodian Blue - Originator

Safety and Hygiene Chain of Custody Record and Analysis Request

OK0005

Name of Originator: <u>A. Gonzalez</u>		Title: <u>FHS</u>		Bldg/Ext: <u>116/16733</u>		Date: <u>10/11/03</u>		Page: <u>1</u> of <u>4</u>	
SAMPLE NUMBER Bldg/Y/M/D/P#/S#	ANALYZE FOR	VOLUME liters	SAMPLE TIME/	MEDIA	P A B	Personal Area Bulk	REMARKS	Lab Number	
226-10072000-05-001	<u>Asbestos</u>					<u>PLM</u>	<u>unbroken</u>		
226-10072000-05-002									
226-10072000-05-003									
226-10072000-05-004									
226-10072000-05-005									
226-10072000-05-006									
226-10072000-05-007									
226-10072000-05-008									
226-10072000-05-009									
226-10072000-05-010									
226-10072000-05-011									
226-10072000-05-012									
226-10072000-05-013									
226-10072000-05-014									
226-10072000-05-015									
226-10072000-05-016									
Relinquished by <u>[Signature]</u>	Received by <u>Paul D. [Signature]</u>	Time/Date <u>10/30/03</u>	Relinquished by	Received by	Time/Date				
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date				
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date				
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date				

Report and Billing Instruction		Analysis Request		Seal# (Release #)	
Kaiser-Hill <input checked="" type="checkbox"/>	Verbal To <u>A. Gonzalez</u>	<input type="checkbox"/> Standard Service	Industrial Hygiene Sample	Condition of Seal	<input type="checkbox"/> Broken <input type="checkbox"/> Unbroken
RMRS <input type="checkbox"/>	Fax To: <u>6678</u>	<input checked="" type="checkbox"/> Standard Service	Rush <input type="checkbox"/> Other <input type="checkbox"/>	Signature	
SSOC <input type="checkbox"/>	Report To: <u>A. Gonzalez</u>		Asbestos Samples	Comments	
DynCorp <input type="checkbox"/>	Bill To: <u>KIT</u>		<input type="checkbox"/> 24 Rush <input type="checkbox"/> 2 Rush		
WSI <input type="checkbox"/>	P.O.#/Release <u>DAAC00029</u>				
	Lab. <u>[Signature]</u>				

White - Return to Originator Yellow - Lab Copy Green - Sample Custodian Blue - Originator

Safety and Hygiene Chain of Custody Record and Analysis Request

Name of Originator <i>A 662162</i>		Title		Bldg/Ext		Date	Page 2 of 4
SAMPLE NUMBER Bldg/Y/M/D/P#/S#	ANALYZE FOR	VOLUME liters	SAMPLE TIME/	MEDIA	P A B	REMARKS	Lab Number
776-1007200-05-017	Asbestos					PLST 6/6/01	
776-1007200-05-018							
776-1007200-05-019							
776-1007200-05-020							
777-1007200-05-021							
777-1007200-05-022							
777-1007200-05-023							
777-1007200-05-024							
777-1007200-05-025							
776-1007200-05-021							
777-1007200-05-026							
777-1007200-05-027							
777-1007200-05-028							
777-1007200-05-029							
777-1007200-05-030							
777-1007200-05-031							
Relinquished by <i>[Signature]</i>	Received by <i>[Signature]</i>	Time/Date	Time/Date	Relinquished by	Relinquished by	Received by	Time/Date
Relinquished by	Received by	10-11-00	10/3/01			Received by	Time/Date
Relinquished by	Received by	Time/Date	Time/Date	Relinquished by	Relinquished by	Received by	Time/Date
Relinquished by	Received by	Time/Date	Time/Date	Relinquished by	Relinquished by	Received by	Time/Date

Report and Billing Instruction Kaiser-Hill <input type="checkbox"/> Verbal To: _____ RMRS <input type="checkbox"/> Fax To _____ SSOC <input type="checkbox"/> Report To _____ DynCorp <input type="checkbox"/> Bill To _____ WSI <input type="checkbox"/> P O #/Release _____ Lab _____	Analysis Request Industrial Hygiene Sample <input type="checkbox"/> Standard Service <input type="checkbox"/> Rush <input type="checkbox"/> Other _____ Asbestos Samples <input type="checkbox"/> Standard Service <input checked="" type="checkbox"/> 24 Rush <input type="checkbox"/> 2 Rush <input type="checkbox"/> Other _____	Seal# (Release #) Condition of Seal <input type="checkbox"/> Broken <input type="checkbox"/> Unbroken Signature _____ Comments _____
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Hocky Flats Environmental Technology Site
Golden, CO 80402-0464

Safety and Hygiene Chain of Custody Record and Analysis Request

0170001

Name of Originator A. Gonzalez Title J.H.S. Bldg/Ext 116/16227 Date 10/1/02 Page 1 of 1

SAMPLE NUMBER Bldg/Y/M/D/P#/S#	ANALYZE FOR	VOLUME liters	SAMPLE TIME/	MEDIA	P. Personal A Area B Bulk	REMARKS	Lab Number
776-09191000-05-001	Asbestos	1.0	10/1/02			PLM Alberta	
776-09191000-05-002	Asbestos	1.0	10/1/02				
776-09191000-05-003	Asbestos	1.0	10/1/02				
776-09191000-05-004	Asbestos	1.0	10/1/02				
776-09191000-05-005	Asbestos	1.0	10/1/02				
776-09191000-05-006	Asbestos	1.0	10/1/02				
776-09191000-05-007	Asbestos	1.0	10/1/02				
776-09191000-05-008	Asbestos	1.0	10/1/02				
776-09191000-05-009	Asbestos	1.0	10/1/02				
776-09191000-05-010	Asbestos	1.0	10/1/02				
776-09191000-05-011	Asbestos	1.0	10/1/02				
776-09191000-05-012	Asbestos	1.0	10/1/02				
776-09191000-05-013	Asbestos	1.0	10/1/02				
776-09191000-05-014	Asbestos	1.0	10/1/02				

Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date
Charles Gonzalez	Charles Gonzalez	10/1/02			

Report and Billing Instruction

Verbal To: A. Gonzalez
 Fax To: 6678
 Report To: A. Gonzalez
 Bill To: KH
 P.O.#/Release Lab: DAH0009
Leguerrero

Analysis Request

Industrial Hygiene Sample
 Standard Service
 Standard Service
 Rush
 24 Rush
 Other
 Asbestos Samples
 2 Rush
 Other
 Rush

Seal# (Release #)
 Condition of Seal
 Broken
 Unbroken
 Signature _____
 Comments _____

White - Return to Originator Yellow - Lab Copy Green - Sample Custodian Blue - Originator

00C/100

Name of Originator: <u>A Coorzel</u>		Title: <u>THHS</u>		Bldg/Ext: <u>116/56727</u>		Date: <u>9/25/00</u>		Page <u>5</u> of <u>5</u>	
SAMPLE NUMBER Bldg/Y/M/D/P#/S#	ANALYZE FOR	VOLUME liters	SAMPLE TIME/	MEDIA	P A B	Personal Area Bulk	REMARKS	Lab Number	
776-09230075-65	Asbestos				B	PLAY	Asbestos THHS 2001		
776-09230075-66									
776-09230075-67									
776-09230075-68									
776-09230075-69									
776-09230075-70									
776-09230075-71									
776-09230075-72									
776-09230075-73									
776-09230075-74									
776-09230075-75									
776-09230075-76									
776-09230075-77									
776-09230075-78									
776-09230075-79									
776-09230075-80									

Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date
<i>[Signature]</i>	<i>[Signature]</i>	16:02 9-25-00			
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date

Report and Billing Instruction		Analysis Request		Seal# (Release #)	
Kaiser-Hill <input checked="" type="checkbox"/>	Verbal To. <u>A Coorzel</u>	<input checked="" type="checkbox"/> Standard Service	Industrial Hygiene Sample	Condition of Seal	<input type="checkbox"/> Broken <input type="checkbox"/> Unbroken
RMRS <input type="checkbox"/>	Fax To. <u>6678</u>	<input type="checkbox"/> Standard Service	Rush <input type="checkbox"/>	Signature	
SSOC <input type="checkbox"/>	Report To. <u>A Coorzel</u>	<input type="checkbox"/> Standard Service	Asbestos Samples	Comments	
DynCorp <input type="checkbox"/>	Bill To. <u>KA</u>	<input type="checkbox"/> Standard Service	Rush <input type="checkbox"/>		
WSI <input type="checkbox"/>	P O #/Release <u>1160009</u>	<input type="checkbox"/> Standard Service	Other <input type="checkbox"/>		
	Lab <u>[Signature]</u>				

White - Return to Originator Yellow - Lab Copy Green - Sample Custodian Blue - Originator

Safety and Hygiene Chain of Custody Record and Analysis Request

COC 1180

Name of Originator: <u>A Gonzalez</u>		Title: <u>T.H.A.</u>		Bldg/Ext: <u>116/26227</u>		Date: <u>9/25/00</u>		Page: <u>4</u> of <u>5</u>	
SAMPLE NUMBER Bldg/Y/M/D/P#/#	ANALYZE FOR	VOLUME liters	SAMPLE TIME/	MEDIA	P A B	Personal Area Bulk	REMARKS	Lab Number	
276-09-23-0075-49	Asbestos				B	PLM for Asbestos - HAZBOO			
276-09-23-0075-50									
276-09-23-0075-51									
276-09-23-0075-52									
276-09-23-0075-53									
276-09-23-0075-54									
276-09-23-0075-55									
276-09-23-0075-56									
276-09-23-0075-57									
276-09-23-0075-58									
276-09-23-0075-59									
276-09-23-0075-60									
276-09-23-0075-61									
276-09-23-0075-62									
276-09-23-0075-63									
276-09-23-0075-64									
Relinquished by	Received by	Time/Date	Time/Date	Relinquished by	Received by	Time/Date	Time/Date		
	<i>Cheryl [Signature]</i>	16 02 9-25-00							
Relinquished by	Received by	Time/Date	Time/Date	Relinquished by	Received by	Time/Date	Time/Date		
Relinquished by	Received by	Time/Date	Time/Date	Relinquished by	Received by	Time/Date	Time/Date		
Relinquished by	Received by	Time/Date	Time/Date	Relinquished by	Received by	Time/Date	Time/Date		
Report and Billing Instruction				Analysis Request				Seal# (Release #)	
Kaiser-Hill <input type="checkbox"/>	Verbal To			Industrial Hygiene Sample		Condition of Seal			
RMRS <input type="checkbox"/>	Fax To			<input type="checkbox"/> Rush		<input type="checkbox"/> Broken		<input type="checkbox"/> Unbroken	
SSOC <input type="checkbox"/>	Report To			Asbestos Samples		Signature			
DynCorp <input type="checkbox"/>	Bill To			<input type="checkbox"/> 24 Rush		Comments			
WSI <input type="checkbox"/>	P O #/Release:			<input type="checkbox"/> 2 Rush					
	Lab.								

Hocky Flats Environmental Technology Site
Golden, CO 30402-0464

Safety and Hygiene Chain of Custody Record and Analysis Request

Name of Originator A Gen 2562 Title T.H.S. Bldg/Ext 114/1227 Date 9/1/00 Page 3 of 5

SAMPLE NUMBER Bldg/Y/M/D/P#/S#	ANALYZE FOR	VOLUME liters	SAMPLE TIME/	MEDIA	P A B	Personal Area Bulk	REMARKS	Lab Number
776-0923007533	Asbestos				B		1111 for asbestos, I.H.O.B.O.A	
776-0923007534								
776-0923007535								
776-0923007536								
776-0923007537								
776-0923007538								
776-0923007539								
776-0923007540								
776-0923007541								
776-0923007542								
776-0923007543								
776-0923007544								
776-0923007545								
776-0923007546								
776-0923007547								
776-0923007548								
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date			
<i>[Signature]</i>	<i>[Signature]</i>	16:02 6-28-00						
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date			
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date			
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date			

Report and Billing Instruction

Kaiser-Hill Verbal To _____

RMRS Fax To _____

SSOC Report To _____

DynCorp Bill To _____

WSI P O #/Release _____

Lab _____

Analysis Request

Industrial Hygiene Sample

Standard Service Rush 24 Rush

Asbestos Samples

Other

Seal# (Release #) _____

Condition of Seal Broken Unbroken

Signature _____

Comments _____

White - Return to Originator Yellow - Lab Copy Green - Sample Custodian Blue - Originator

Safety and Hygiene Chain of Custody Record and Analysis Request

00C1180

Name of Originator: <u>A. Gonzalez</u>		Title: <u>JHE</u>		Bldg/Ext. <u>141/6127</u>		Date: <u>7/15/93</u>		Page <u>2</u> of <u>5</u>	
SAMPLE NUMBER Bldg/Y/MD/P#/S#	ANALYZE FOR	VOLUME liters	SAMPLE TIME/	MEDIA	P A B	Personal Area Bulk	REMARKS	Lab Number	
7760923007517	21661121				<input checked="" type="checkbox"/>		2166 for Analysis JHE		
7760923007518									
7760923007519									
7760923007520									
7760923007521									
7760923007522									
7760923007523									
7760923007524									
7760923007525									
7760923007526									
7760923007527									
7760923007528									
7760923007529									
7760923007530									
7760923007531									
7760923007532									
Relinquished by <i>[Signature]</i>	Received by <i>Charles [Signature]</i>	Time/Date <u>6:02 9/1/00</u>	Relinquished by	Received by	Time/Date				
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date				
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date				
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date				
Report and Billing Instruction		Analysis Request		Seal# (Release #)		Condition of Seal			
<input type="checkbox"/> Kaiser-Hill	<input type="checkbox"/> Verbal To	<input type="checkbox"/> Standard Service	<input type="checkbox"/> Industrial Hygiene Sample	<input type="checkbox"/> Broken	<input type="checkbox"/> Unbroken	Signature			
<input type="checkbox"/> RMRS	<input type="checkbox"/> Fax To	<input type="checkbox"/> Standard Service	<input type="checkbox"/> Rush	<input type="checkbox"/> Asbestos Samples	Comments				
<input type="checkbox"/> SSOC	<input type="checkbox"/> Report To	<input type="checkbox"/> Standard Service	<input type="checkbox"/> 24 Rush	<input type="checkbox"/> Other					
<input type="checkbox"/> DynCorp	<input type="checkbox"/> Bill To	<input type="checkbox"/> Standard Service	<input type="checkbox"/> 2 Rush	<input type="checkbox"/> Other					
<input type="checkbox"/> WSI	<input type="checkbox"/> P.O #/Release Lab								

White - Return to Originator Yellow - Lab Copy Green - Sample Custodian Blue - Originator

Safety and Hygiene Chain of Custody Record and Analysis Request

00C1182

Name of Originator <u>A. Gonzalez</u>		Title <u>T.H.H.S.</u>		Bldg/Ext <u>116/1, 127</u>		Date <u>7/25/20</u>		Page <u>1</u> of <u>5</u>	
SAMPLE NUMBER Bldg/Y/M/D/P#/S#	ANALYZE FOR	VOLUME liters	SAMPLE TIME/	MEDIA	P A B	Personal Area Bulk	REMARKS	Lab Number	
7760923007501	Asbestos				B		PLM for Asbestos I Hazard		
7760923007502									
7760923007503									
7760923007504									
7760923007505									
7760923007506									
7760923007507									
7760923007508									
7760923007509									
7760923007510									
7760923007511									
7760923007512									
7760923007513									
7760923007514									
7760923007515									
7760923007516									
Relinquished by <u>[Signature]</u>	Received by <u>Chad Kuehl</u>	Time/Date <u>11.02.19.20</u>	Relinquished by	Received by	Time/Date	Seal# (Release #)	Condition of Seal	Signature	
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date		<input type="checkbox"/> Broken	<input type="checkbox"/> Unbroken	
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date				
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date				

Report and Billing Instruction		Analysis Request	
Kaiser-Hill <input checked="" type="checkbox"/>	Verbal To: <u>A. Gonzalez</u>	<input checked="" type="checkbox"/> Standard Service	Industrial Hygiene Sample <input type="checkbox"/>
RMRS <input checked="" type="checkbox"/>	Fax To: <u>[Signature]</u>	<input type="checkbox"/> Rush	Other <input type="checkbox"/>
SSOC <input type="checkbox"/>	Report To: <u>A. Gonzalez</u>	Asbestos Samples	
DynCorp <input type="checkbox"/>	Bill To: <u>[Signature]</u>	<input type="checkbox"/> Standard Service	<input type="checkbox"/> 24 Hour Rush
WSI <input type="checkbox"/>	P.O. #/Release <u>00000009</u>	<input type="checkbox"/> Standard Service	<input type="checkbox"/> 24 Hour Rush
	Lab. <u>[Signature]</u>		

White - Return to Originator Yellow - Lab Copy Green - Sample Custodian Blue - Originator

**ASBESTOS
CERTIFICATION**

STATE OF COLORADO

Colorado Department of Public Health
and Environment

Air Pollution Control Division

This certifies that

Andre G. Gonzalez

Certification No. [REDACTED]

has met the requirements of 25-7-507, C.R.S. and Air Quality Control Commission Regulation No. 8, Part B, and is hereby certified by the state of Colorado in the following discipline:

INSPECTOR/MANAGEMENT PLANNER*

Issued: 07/21/2000

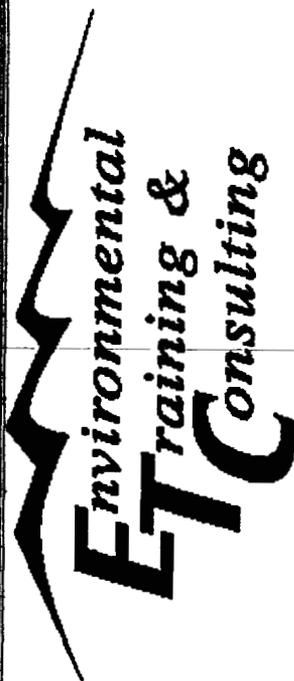
Expires: 07/21/2001



Authorized APCD Representative

* This certificate is valid only with the possession of current AHERA certification in the discipline specified above.

Record Number: 1387



2761 West Oxford Avenue #7
Englewood, CO 80110
(303)781-0422

This course meets the requirements of AQCC Reg.#8

CERTIFIES THAT

ANDRE GONZALEZ

has successfully completed the

EPA-APPROVED AHERA ANNUAL REFRESHER COURSE for INSPECTOR/MANAGEMENT PLANNER
and passed the required examination in that discipline

This course is EPA-approved under Section 206 of the Toxic Substance Control Act (TSCA)

Course Date 06/06/2000
No of hours 8
Certificate No DR060600 - 07AM
Expires 06/06/2001



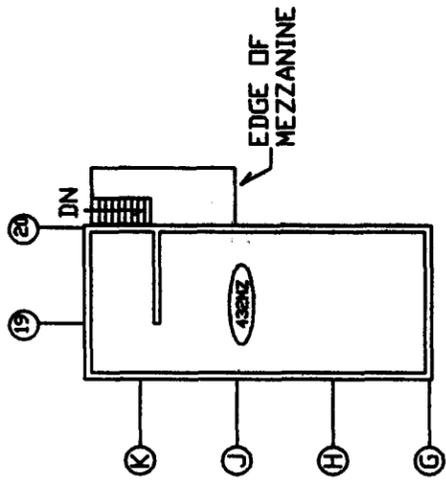
Leaton K. Abbin

Authorized Signature

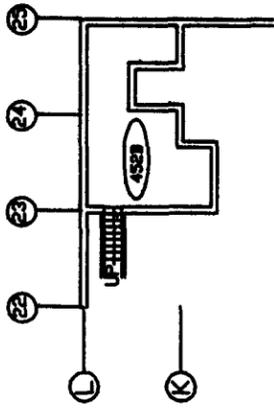
valid without raised seal

BLDG 776 - MEZZANINE - BASEMENT FLOOR PLAN

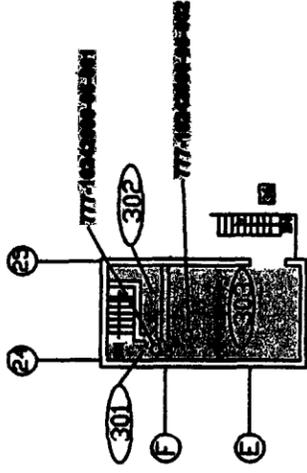
Floor Tile Identification & Sample Location



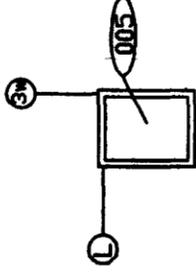
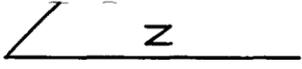
UTILITY AREA
FLOOR ELEVATION 5997.83'



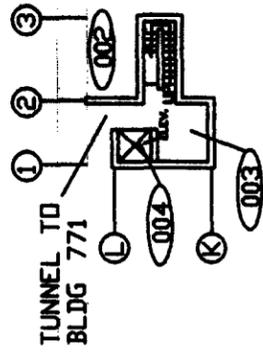
EQUIPMENT PLATFORM
FLOOR ELEVATION 5998.25'



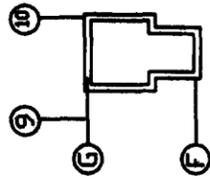
MEZZANINE
FLOOR ELEVATION 5998.00'



ISOSTATIC PRESS ROOM
FLOOR ELEVATION 5988.00'

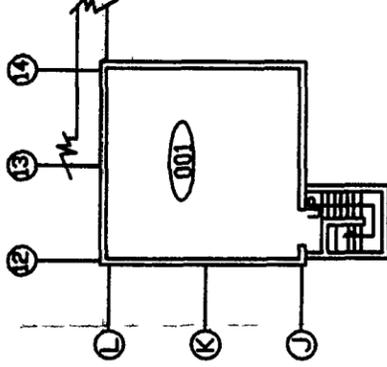


ELEVATOR AND LANDING
ELEVATOR ELEVATION 5962.00'
LANDING ELEVATION 5957.80'



PIT
FLOOR ELEVATION 5966.83'

Asbestos Containing Floor Tile



BASEMENT PLAN
FLOOR ELEVATION 5966.83'

UNCLASSIFIED-CONTROLLED
ARCHIVAL INFORMATION

General Notes
SAMPLE LOCATIONS

No.	Priority/Issue	Type	Date
1	FOR ISSUE		
A	FOR REVIEW		

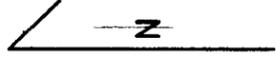
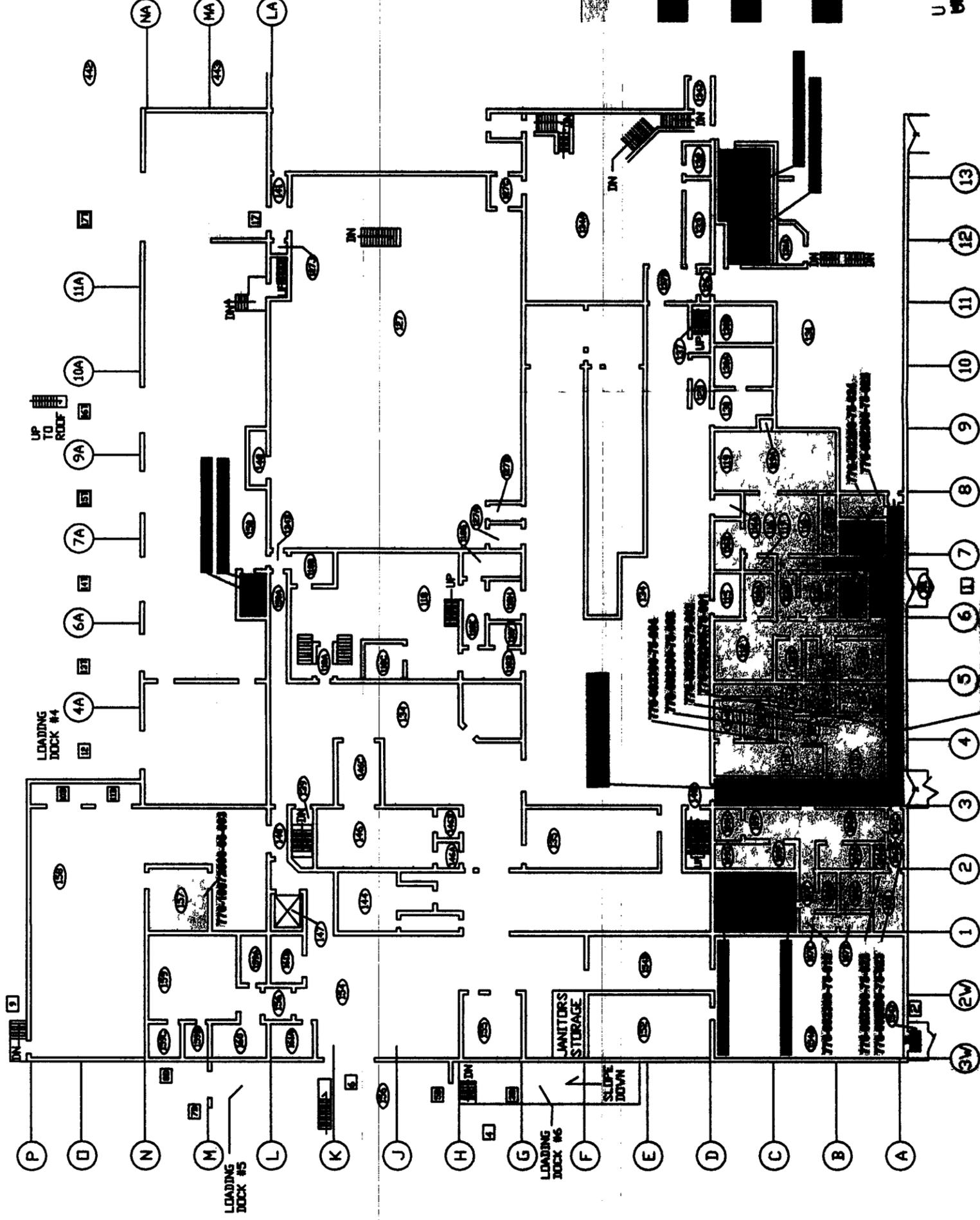
Foothills Environmental Inc
2801 Youngfield Street
Suite 300
Golden, CO, 80401
Phone (303) 275-3470
Fax (720) 489-2832

Project Name and Address
Rocky Flats
Environmental Technology
Site

Issue No.	1/1
Date	11/2/00
Revision	NONE

BLDG 776 - FIRST FLOOR PLAN

Floor Tile Identification & Sample Location



- Asbestos Containing Floor Tile
- Asbestos Free Floor Tile
- Asbestos Containing Linoleum
- Asbestos Free Floor Tile on Top of Asbestos Containing Floor Tile

UNCLASSIFIED/CONTROLLED
NUCLEAR INFORMATION

General Notes
SAMPLE LOCATIONS

No.	For Issue/Name	Date
1	FOR ISSUE	11/2/00
A	FOR REVIEW	11/2/00

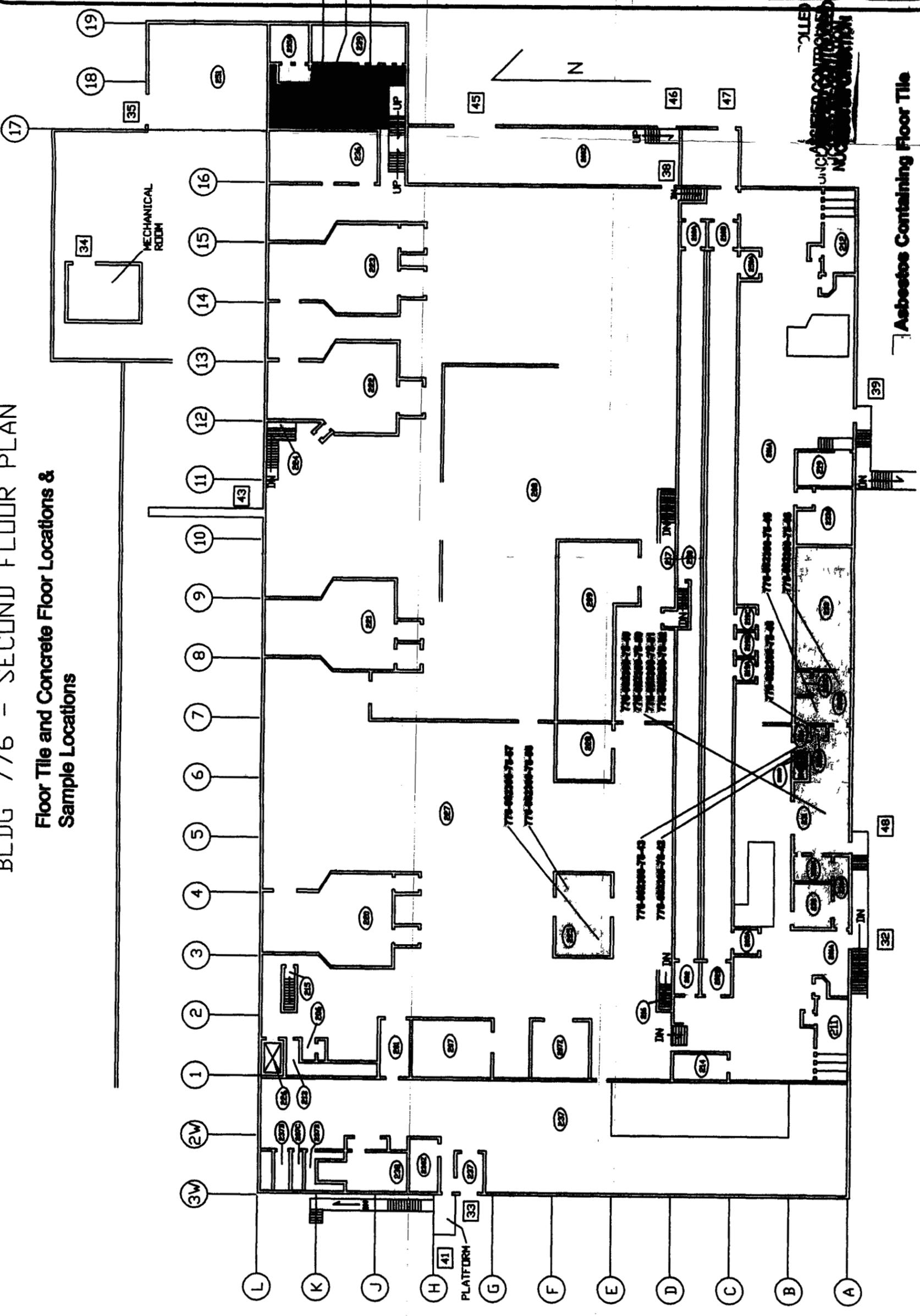
Foothills Environmental Inc
2801 Youngfield Street
Suite 300
Golden, CO 80401
Phone (303) 275-3470
Fax (720) 489-2832

Project Name and Address
Rocky Flats
Environmental Technology
Site

Rev	1/1
Date	11/2/00
By	NONE

BLDG 776 - SECOND FLOOR PLAN

Floor Tile and Concrete Floor Locations & Sample Locations



General Notes		SAMPLE LOCATIONS 	
1	FOR ISSUE	10/24/00	DATE
A	FOR REVIEW	11/2/00	DATE
No.	Number/Name		

Foothills Environmental Inc.
 2801 Youngfield Street
 Suite 300
 Golden CO 80401
 Phone (303) 275-3470
 Fax (720) 489-2832

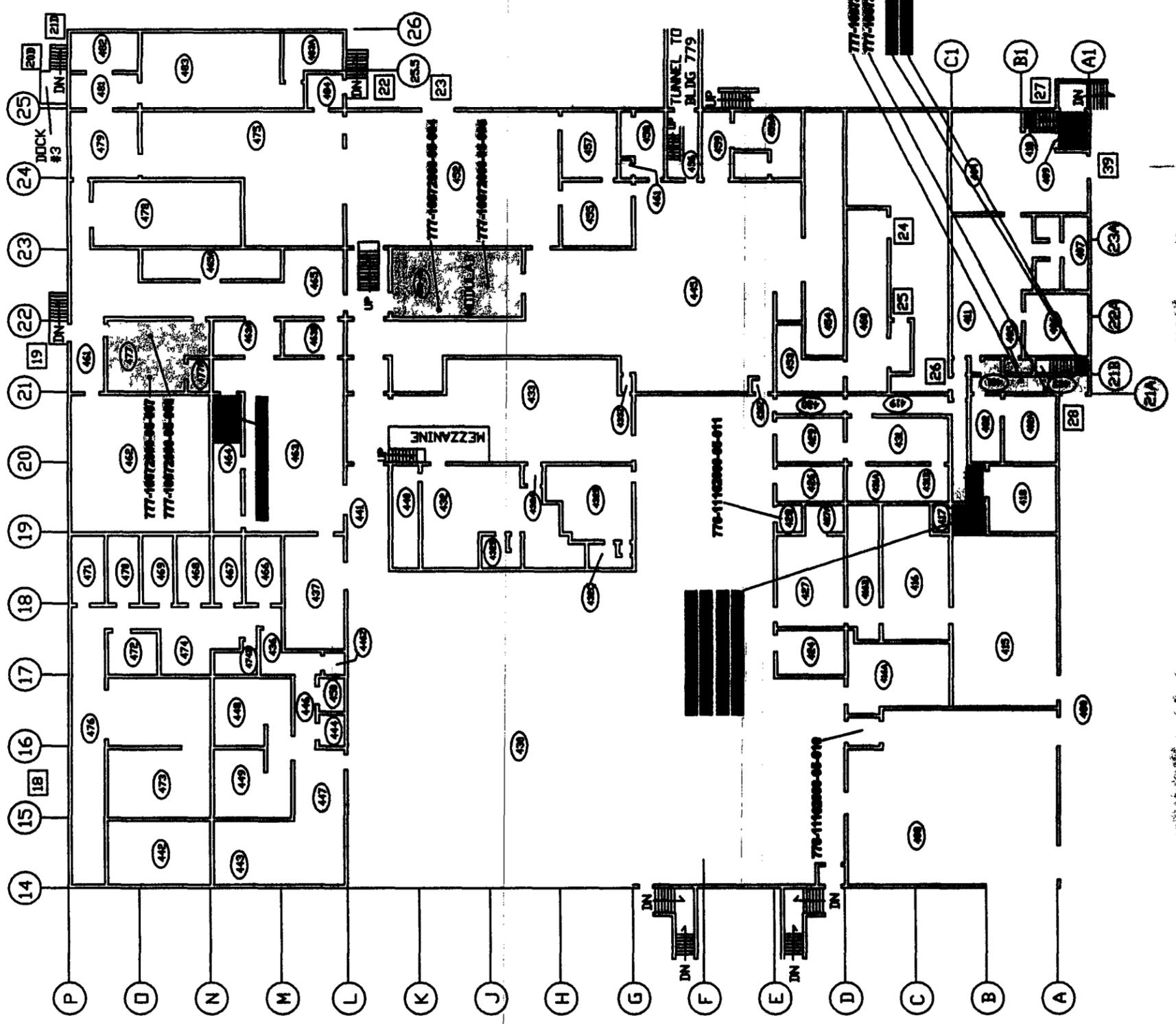
Project Name and Address
 Rocky Flats
 Environmental Technology
 Site

Date: 11/2/00
 Scale: 1/1

UNCLE SAM'S CONTROL ROOM
 NUCLEAR CONTROL ROOM
 Asbestos Containing Floor Tile
 Asbestos Free Concrete

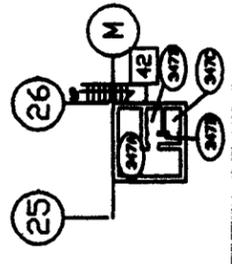
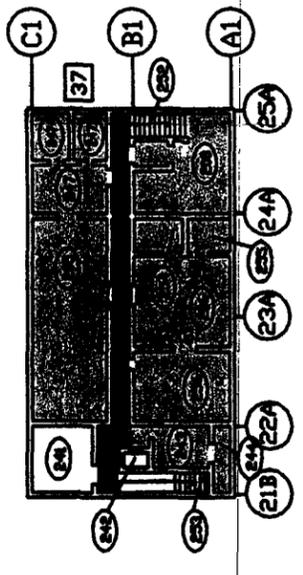
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BLDG 777 - FIRST FLOOR PLAN



Floor Tile Identification & Sample Locations

PARTIAL SECOND FLOOR PLANS



- Asbestos Containing Floor Tile / Linoleum
- Asbestos Free Floor Tile & Mastic
- Asbestos Free Concrete Flooring Material

LED
UNDETERMINED / UNCONTROLLED
FOUR YEAR INFORMATION

General Notes

SAMPLE LOCATIONS

No.	Revisory/Issued	Date
1	FOR ISSUE	11/2/00
A	FOR REVIEW	11/2/00

Foothills Environmental Inc
2801 Youngfield Street
Suite 300
Golden, CO 80401
Phone (303) 275-3470
Fax (720) 489-2832

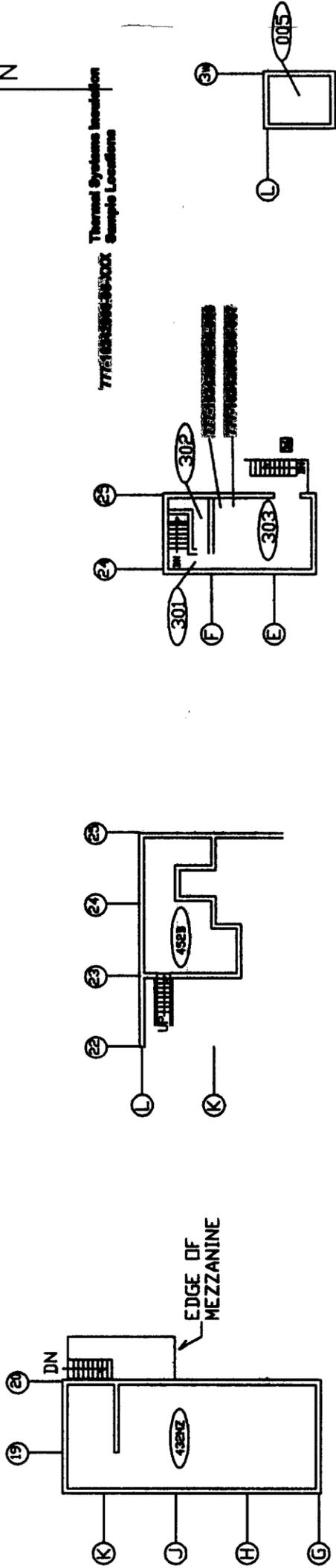
Project Name and Address
Rocky Flats
Environmental Technology
Site

Page	1 / 1
Date	11/2/00
Scale	NONE

76

BLDG 776 - MEZZANINE - BASEMENT FLOOR PLAN

Thermal Systems Insulation & Sample Locations

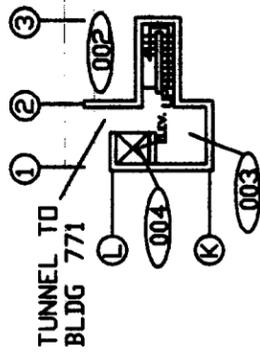


UTILITY AREA
FLOOR ELEVATION 5997.83'

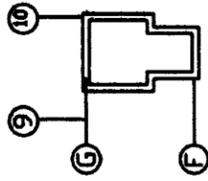
EQUIPMENT PLATFORM
FLOOR ELEVATION 5998.25'

MEZZANINE
FLOOR ELEVATION 5998.00'

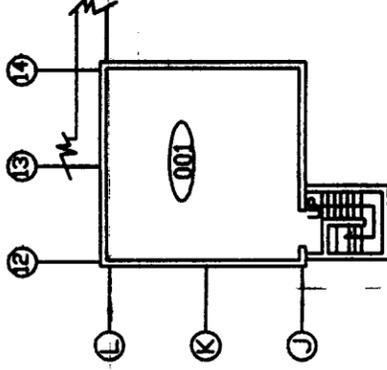
ISOSTATIC PRESS ROOM
FLOOR ELEVATION 5981.04'



ELEVATOR AND LANDING
ELEVATOR ELEVATION 5962.00'
LANDING ELEVATION 5967.50'



P.I.
FLOOR ELEVATION 5966.83'



BASEMENT PLAN
FLOOR ELEVATION 5966.83'

UNCLASSIFIED/CONTROLLED
NO OVERT INFORMATION

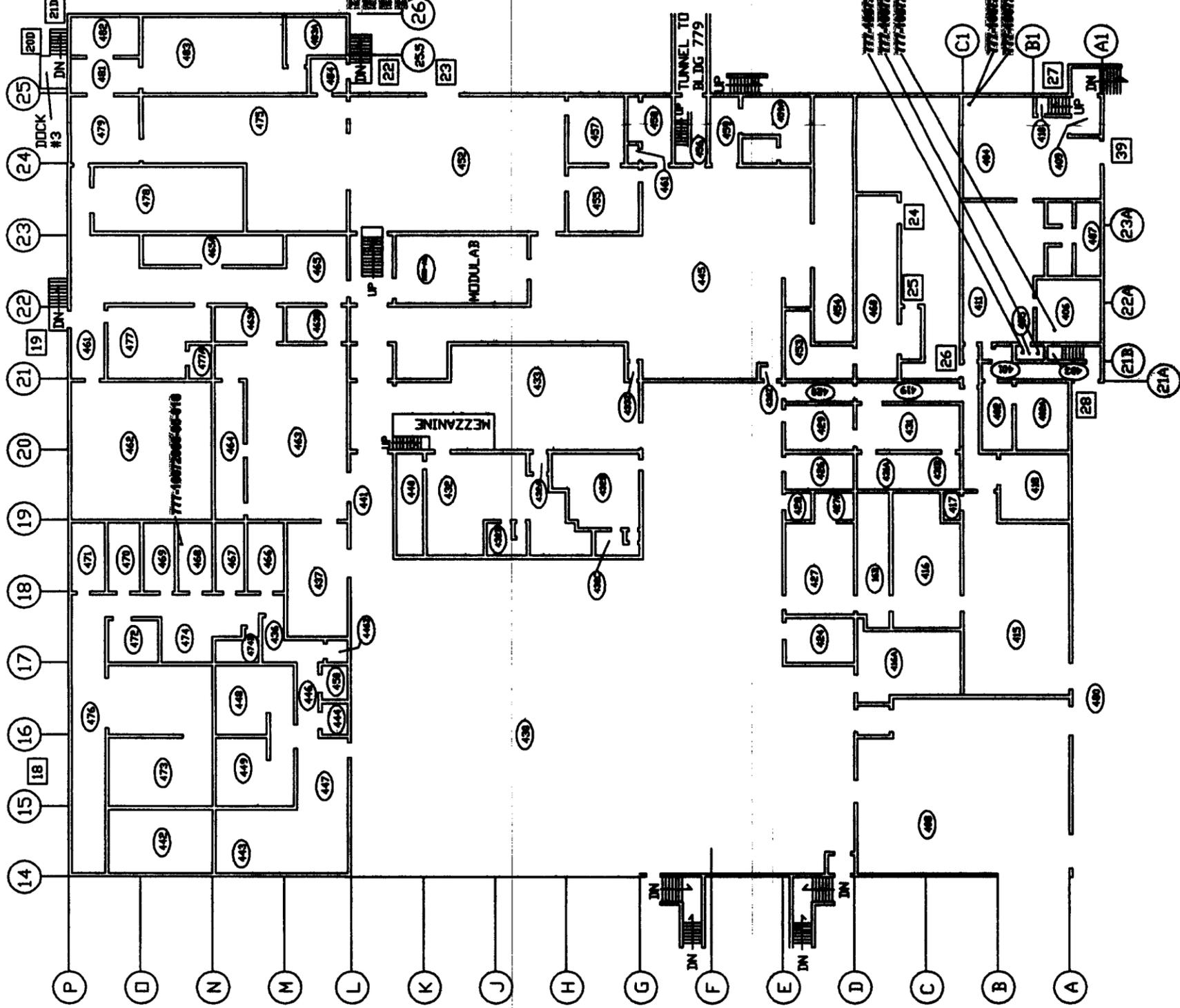
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A FOR REVIEW	11/2/00
No. _____	Revision/Issue
Date _____	Date

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Rocky Flats
Environmental Technology
Site

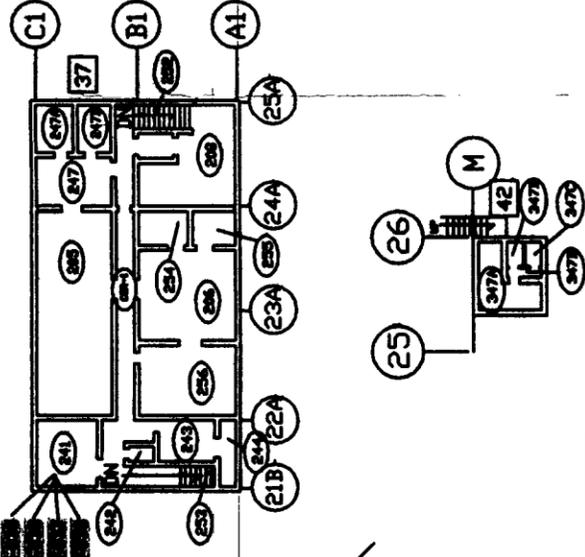
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Date: 11/2/00
Sheet: 1/1
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BLDG 777 - FIRST FLOOR PLAN



Thermal Systems Insulation & Sample Locations

PARTIAL SECOND FLOOR PLANS



UNCLASSIFIED CONTROLLED
NUCLEAR INFORMATION

777-6872888-88-000 Thermal Systems Insulation Sample Locations

General Notes

SAMPLE LOCATIONS

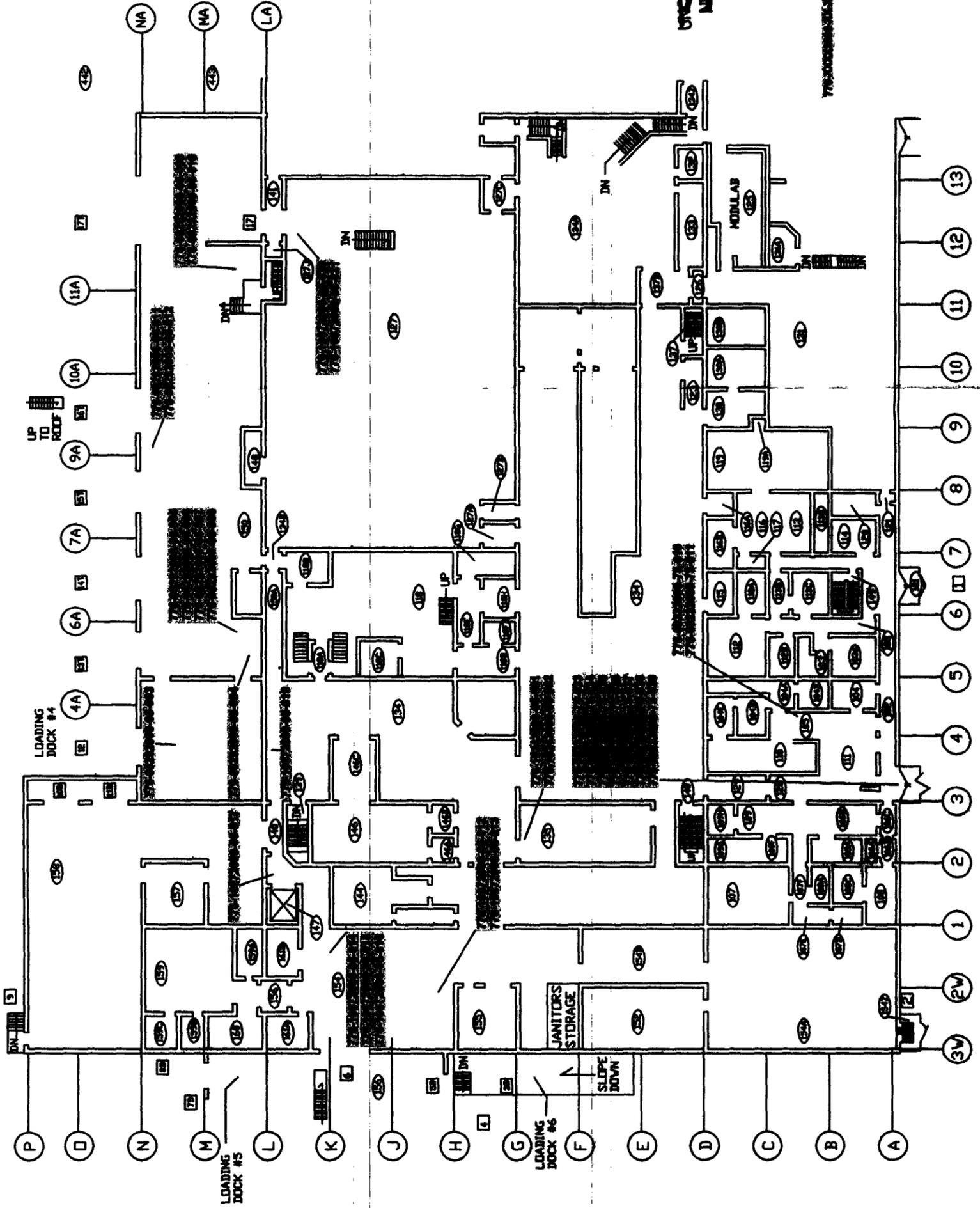
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A	FOR REVIEW	11/2/00

Foothills Environmental Inc
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Project Name and Address
Rocky Flats
Environmental Technology
Site

Sheet	1/1
Date	11/2/00
Scale	NONE

BLDG 776 - FIRST FLOOR PLAN
**Thermal System Insulation &
 Sample Location**



~~UNCLASSIFIED~~
 NUCLEAR INFORMATION

~~UNCLASSIFIED~~
 Thermal System Insulation
 Sampling Locations

General Notes
SAMPLE LOCATIONS

No.	Revisory/Notes	Issued	By	Date
1	FOR ISSUE			
A	FOR REVIEW			

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 Rocky Flats
 Environmental Technology
 Site

Page	1 / 1
Date	11/2/00
Rev	NONE

BLDG 776 - SECOND FLOOR PLAN

Thermal System Insulation & Sample Locations

General Notes

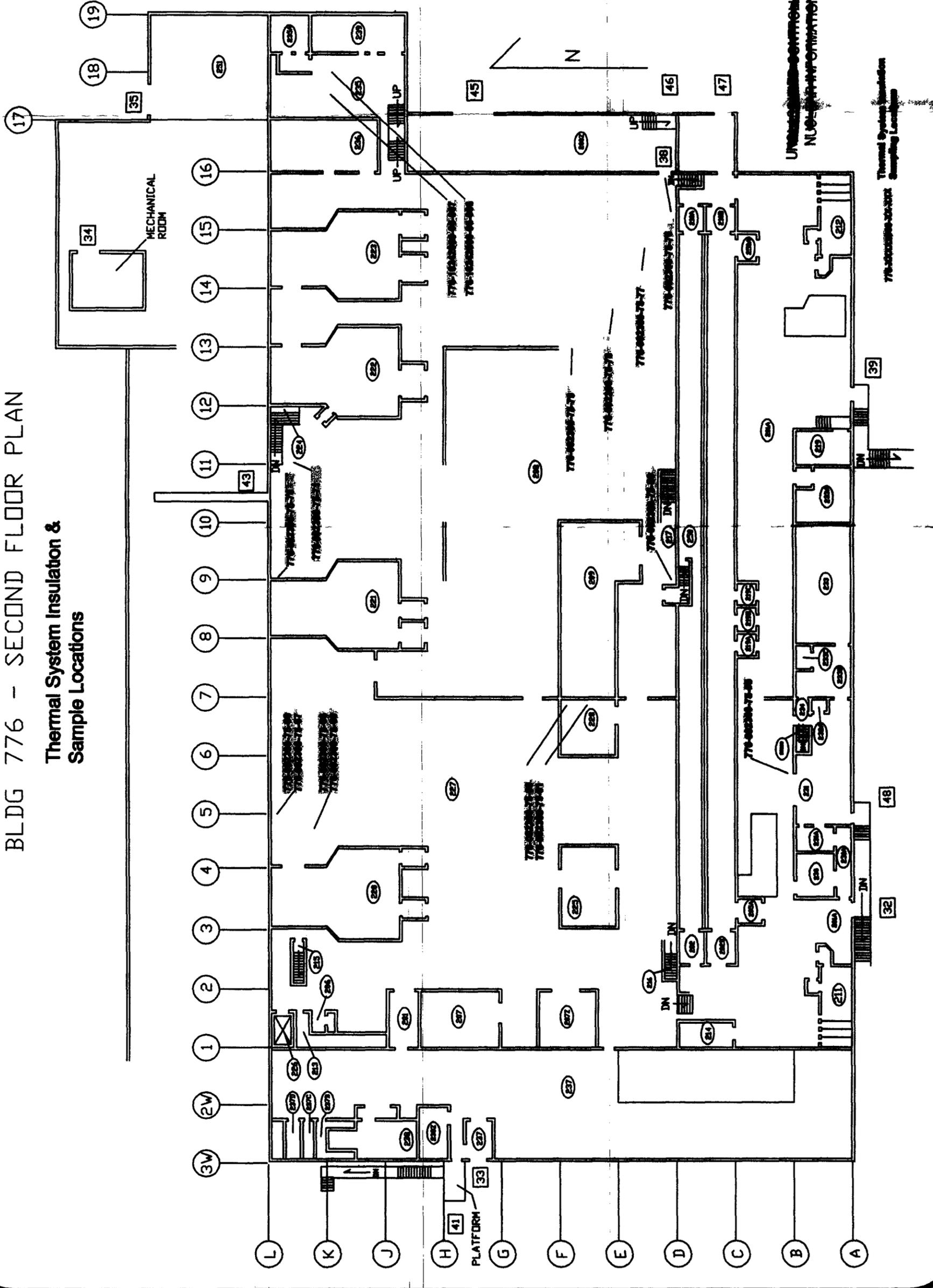
SAMPLE LOCATIONS

No.	Revisy/Name	Date
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A	FOR REVIEW	NONE

Foothills Environmental Inc.
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Suite 300
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Rocky Flats
Environmental Technology
Site

Date: 11/2/00
Page: 1/1



BLDG 776 - SECOND FLOOR PLAN

Ceiling Tile Identification & Sample Location

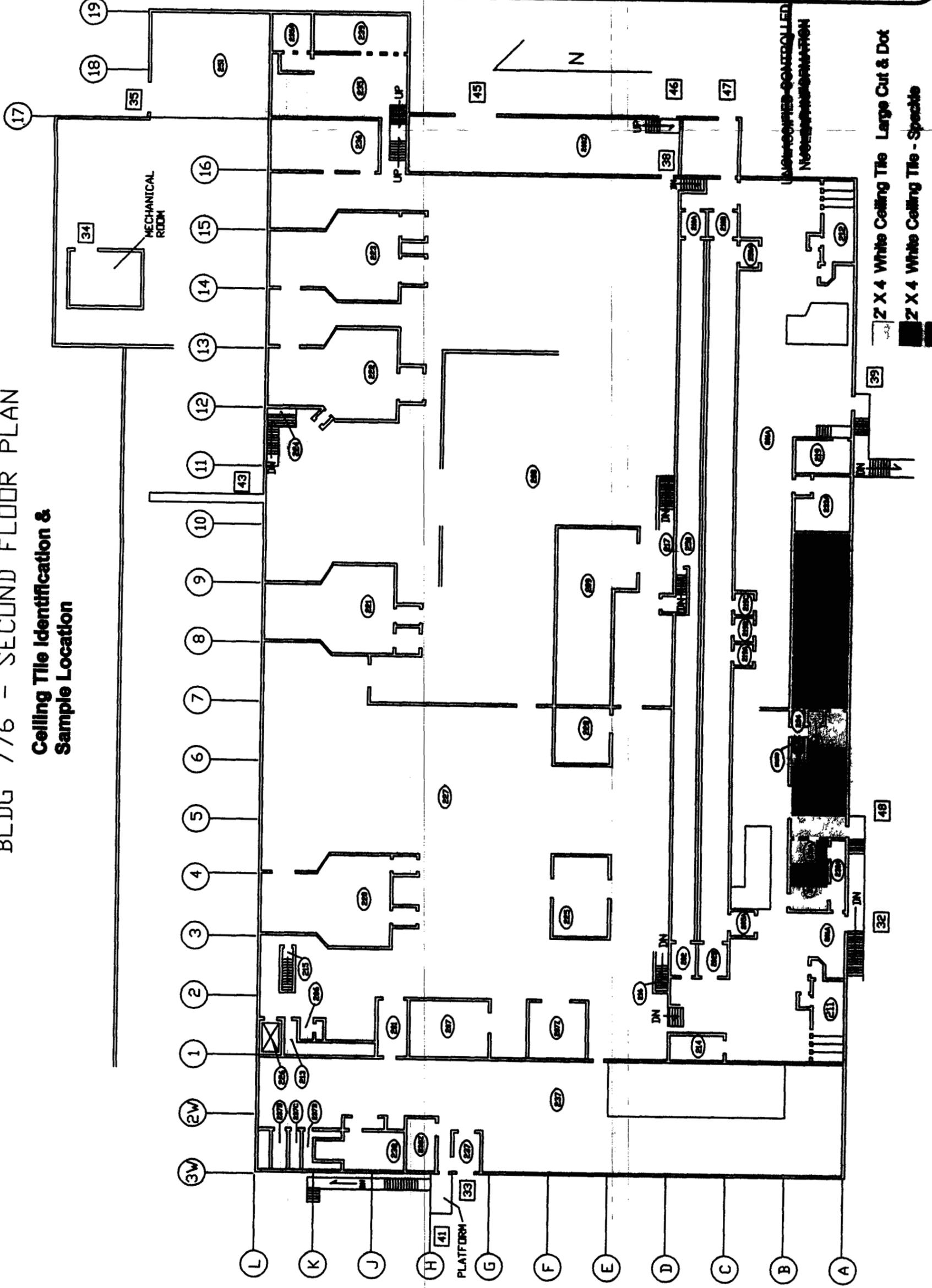
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SAMPLE LOCATIONS

No.	Revisions/Issues	Date
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A	FOR REVIEW	11/2/00

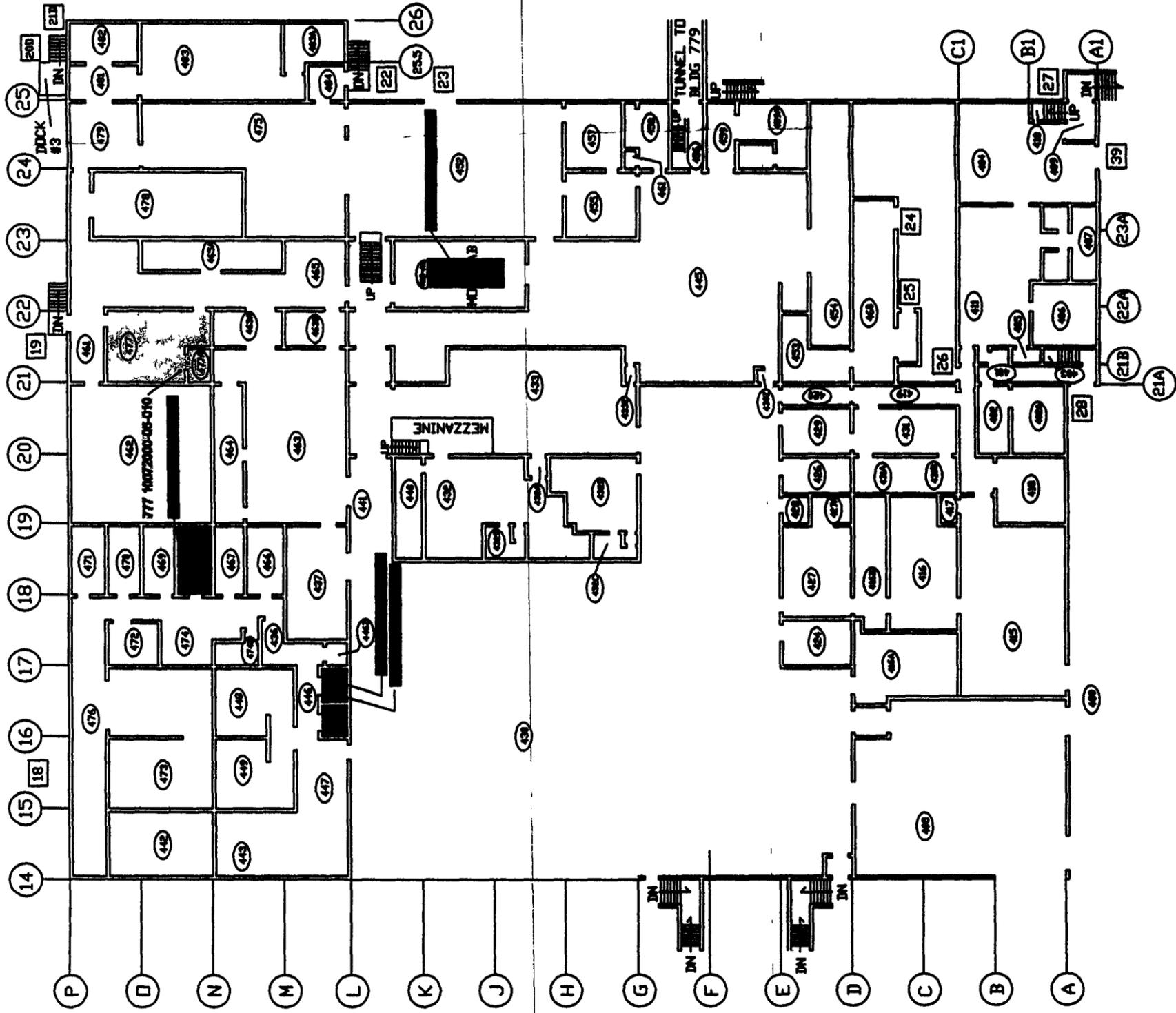
Foothills Environmental Inc
2801 Youngfield Street
Suite 300
Golden, CO 80401
Phone (303) 275-3470
Fax (720) 488-2832

Project Name and Address
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Environmental Technology
Site

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Date	11/2/00
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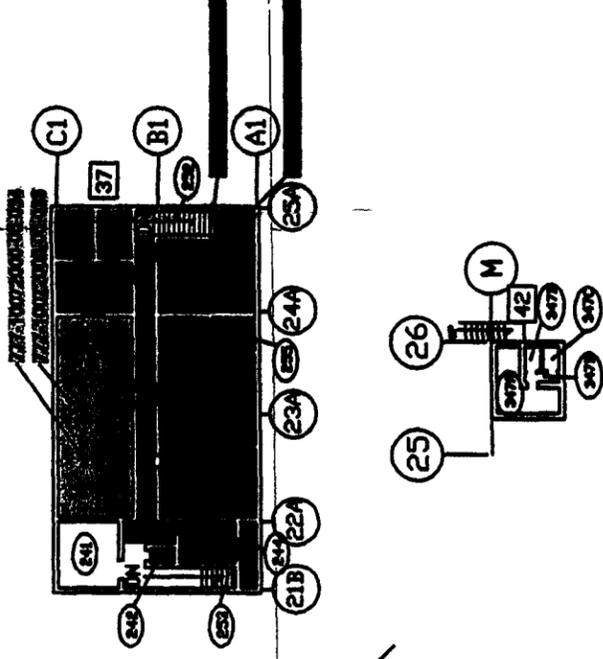


BLDG 777 - FIRST FLOOR PLAN



Ceiling Tile Identification & Sample Location

PARTIAL SECOND FLOOR PLANS



UNIDENTIFIED-CONTROLLED
NON-IDENTIFIED-CONTROLLED

-  2' X 4' White Ceiling Tile - Large Cut & Dot
-  2' X 4' White Ceiling Tile - Speckle
-  2' X 4' White Ceiling Tile - Small Cut & Dot
-  2' X 4' White Ceiling Tile - Large Cut & Dot
-  White Styrofoam Ceiling Panels

General Notes
SAMPLE LOCATIONS

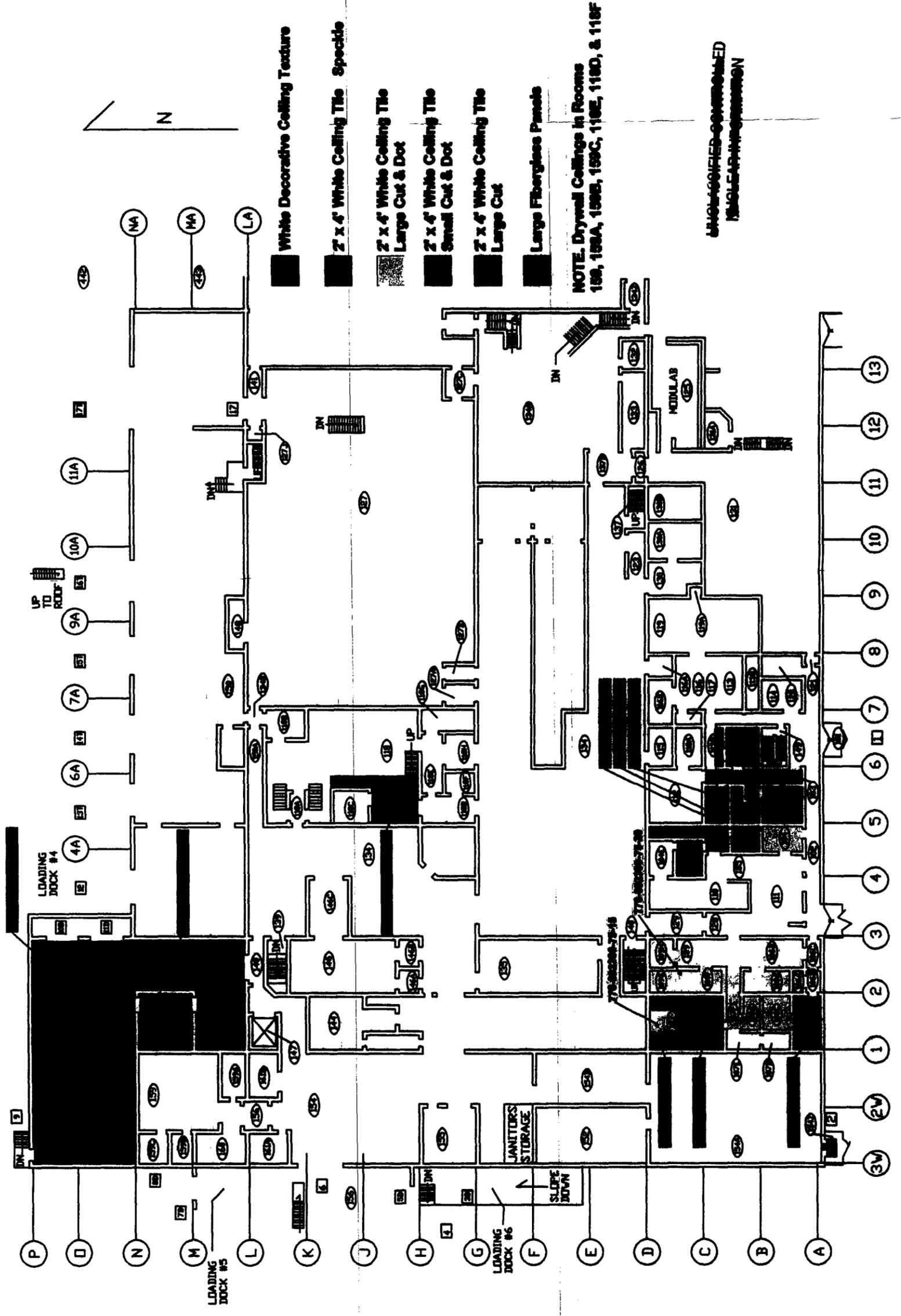
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A	FOR REVIEW	11/2/00

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Rocky Flats
Environmental Technology
Site

Rev	1/1
Date	11/2/00
By	NONE

BLDG 776 - FIRST FLOOR PLAN
 Ceiling Tile Identification &
 Sample Locations



General Notes
SAMPLE LOCATIONS

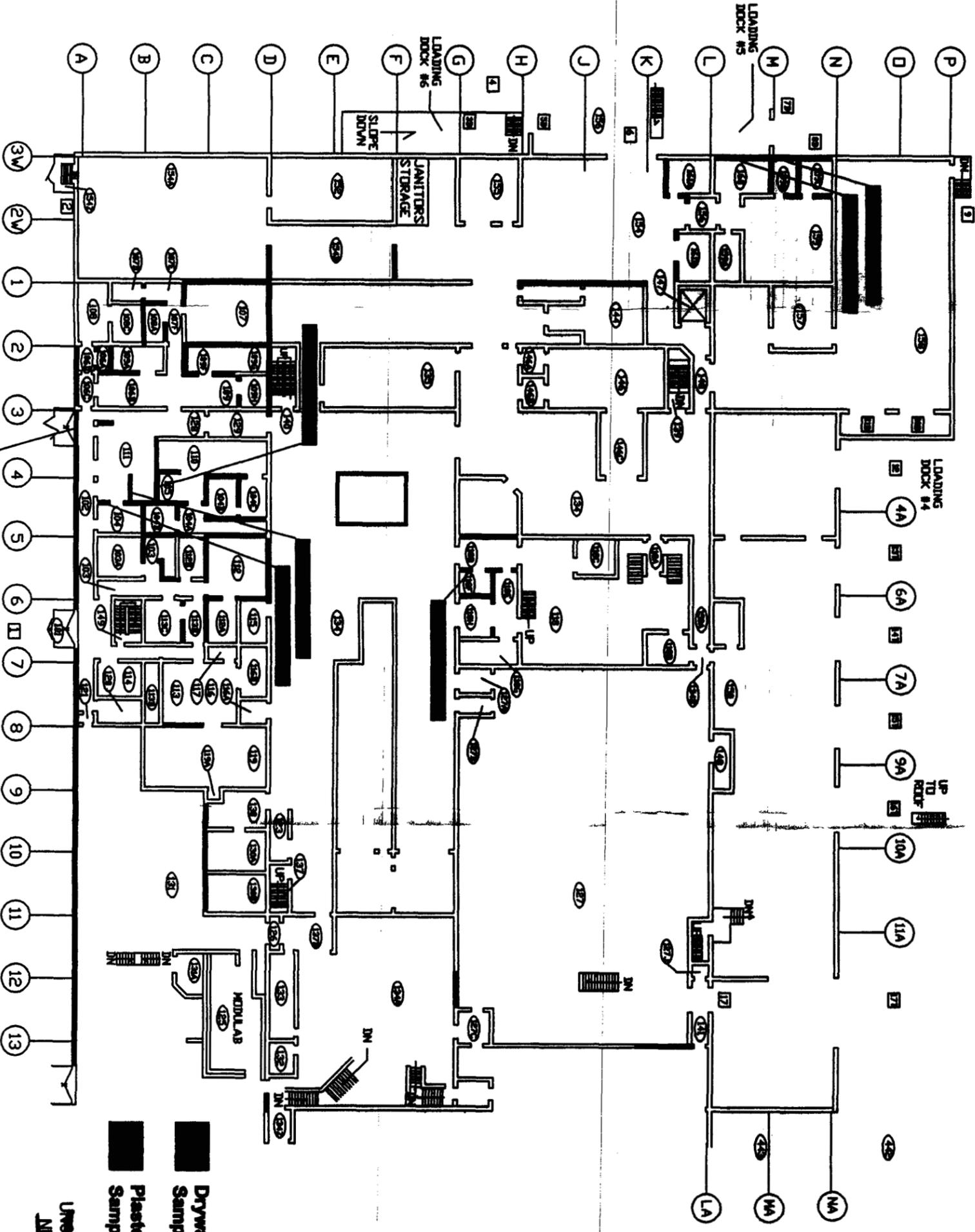
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1	FOR ISSUE		
A	FOR REVIEW		

Foothills Environmental Inc.
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 Environmental Technology
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Page	1/1
Date	11/2/00
Rev	NONE

BLDG 776 - FIRST FLOOR PLAN
Drywall Constructed Walls and Plaster
Texture Wall Locations & Sample Locations



Drywall Constructed Walls & Plaster Sample Locations

Plaster Wall Texture & Sample Locations

UNOCCUPIED
MODULE LAB

SAMPLE LOCATIONS

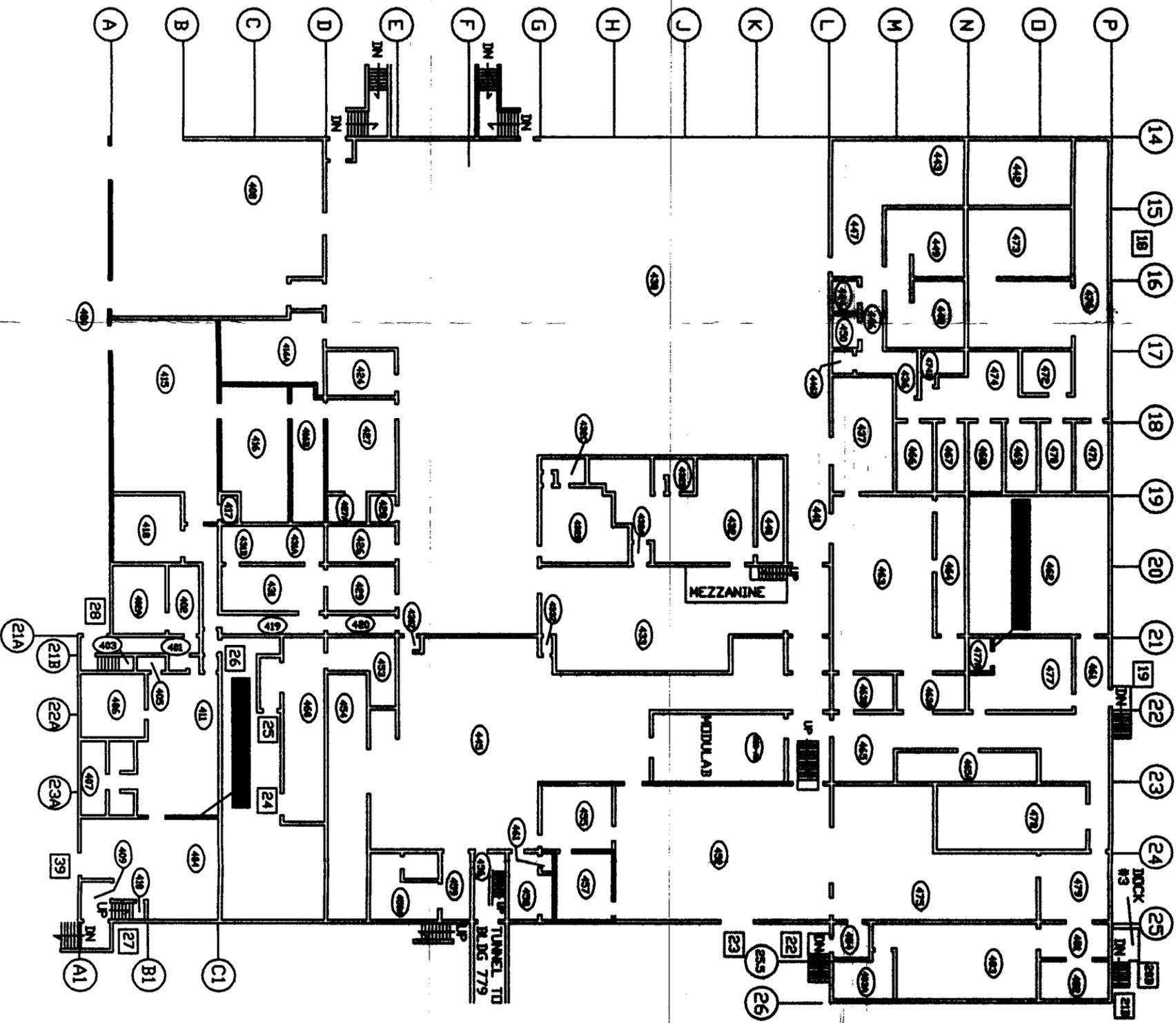
No.	Revision/Name	Date
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A	FOR REVIEW	11/2/00

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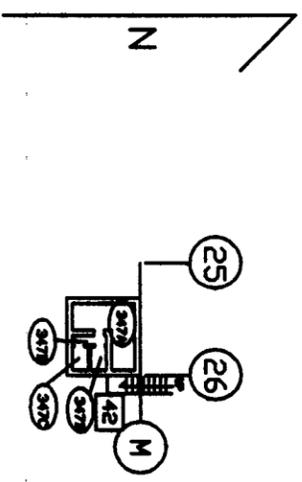
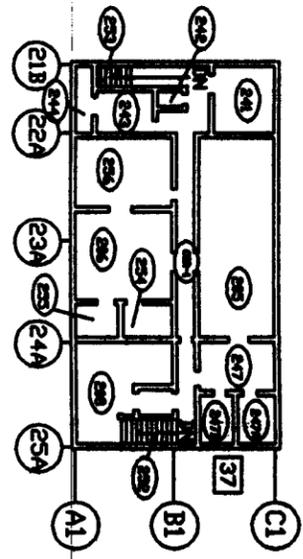
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BLDG 777 - FIRST FLOOR PLAN



Drywall Wall Systems & Sample Locations

PARTIAL SECOND FLOOR PLANS



N

Drywall Wall Systems & Sample Locations

~~UNDESIGNATED CONTROLLED~~
~~RESTRICTED AREA~~

SAMPLE LOCATIONS

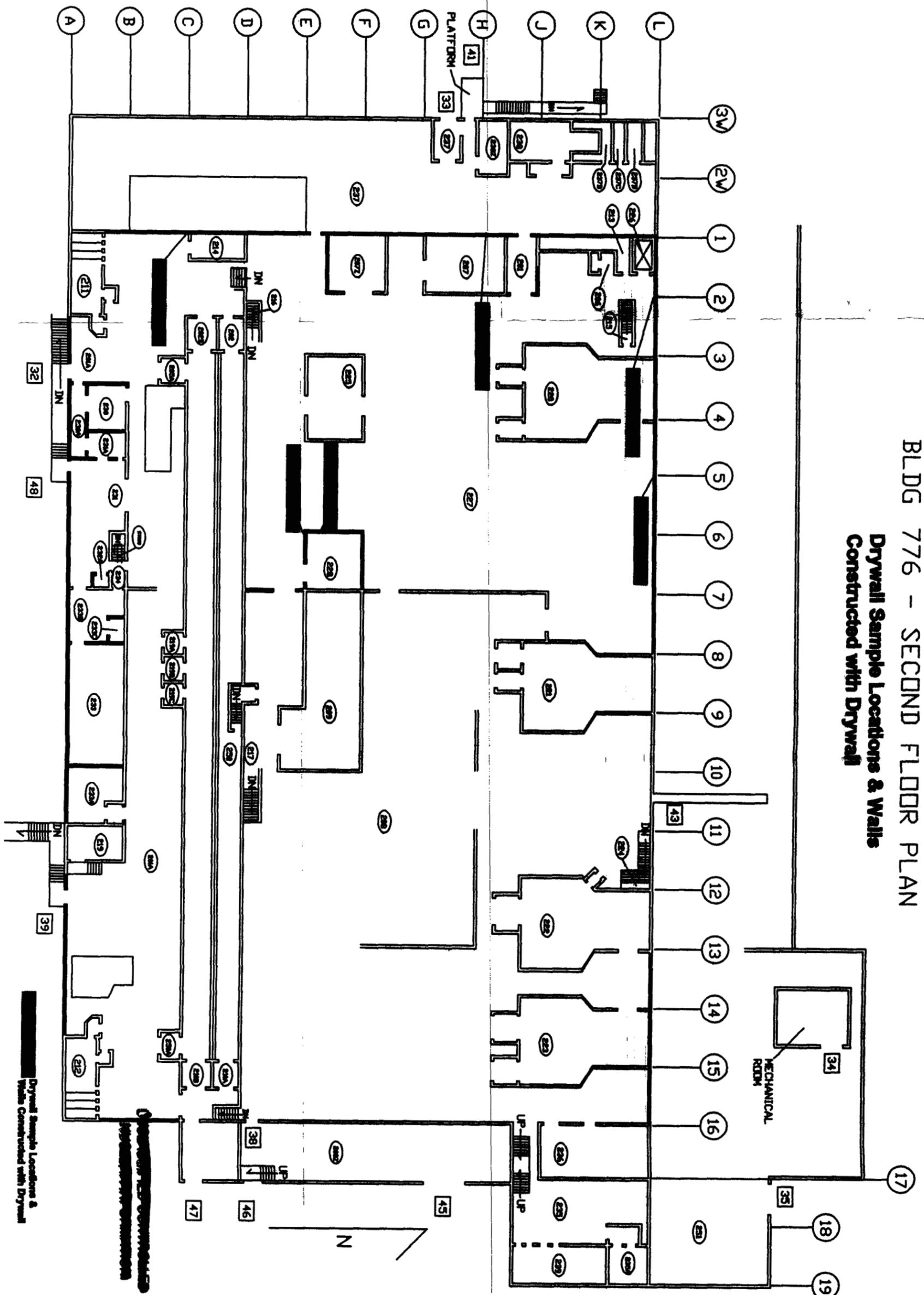
No.	Revisions/Issues	Date
1	FOR ISSUE	11/2/00
A	FOR REVIEW	11/2/00

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Project Name and Address
 Rocky Flats
 Environmental Technology
 Site

Project	11/2/00	1/1
Date	NONE	

BLDG 776 - SECOND FLOOR PLAN
 Drywall Sample Locations & Walls
 Constructed with Drywall



Legend
SAMPLE LOCATIONS

1	FOR ISSUE	11/2/00
A	FOR REVIEW	1/1
Rev.	Revised/Issue	Date

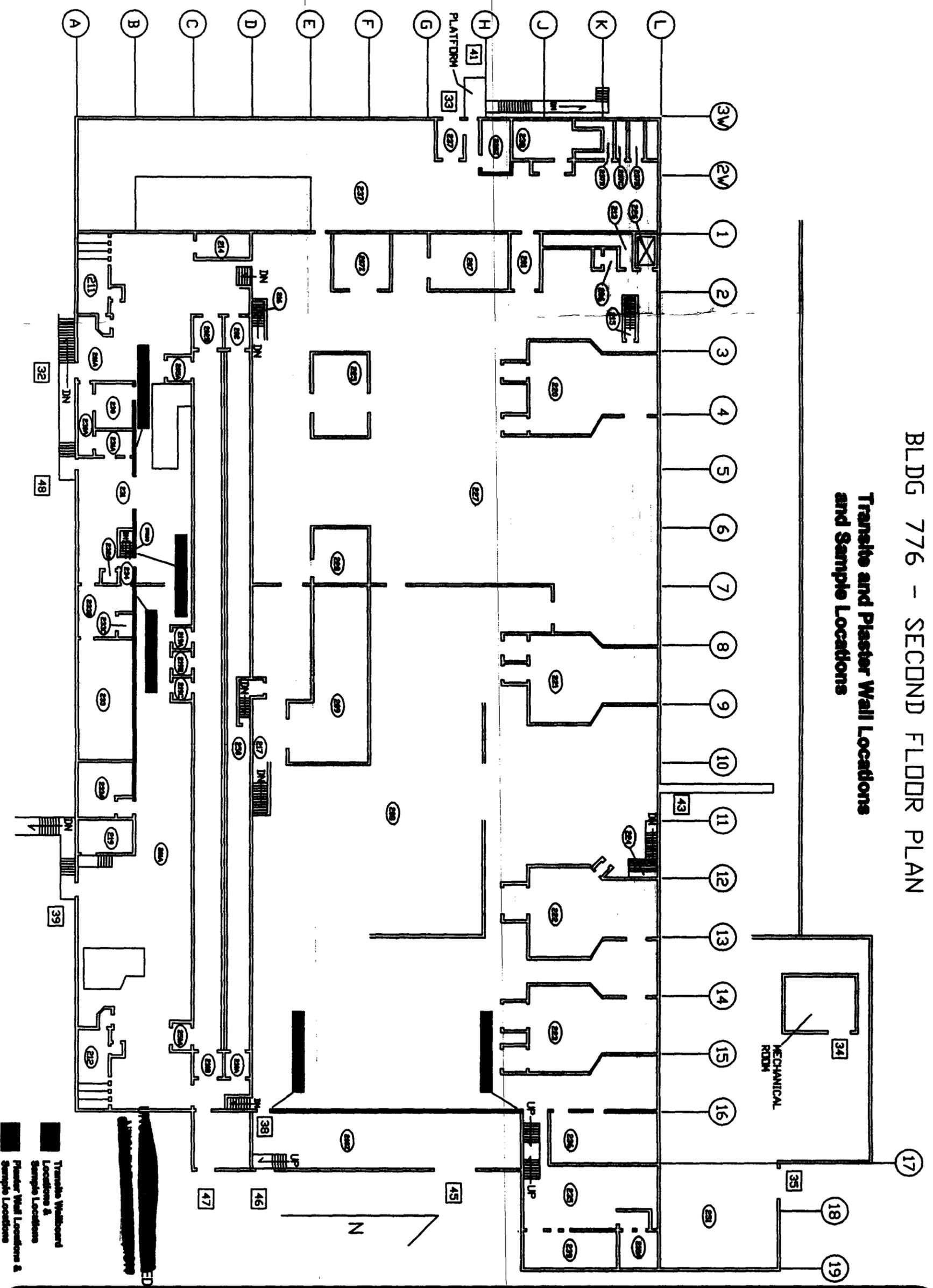
Foothills Environmental Inc
 2801 Youngfield Street
 Suite 300
 Golden, CO 80401
 Phone (303) 275-3470
 Fax (720) 489-2832

Project Name and Address
 Rocky Flats
 Environmental Technology
 Site

Project	11/2/00	1/1
Rev.	NONE	

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BLDG 776 - SECOND FLOOR PLAN
 Traverse and Plaster Wall Locations
 and Sample Locations



Sample Locations

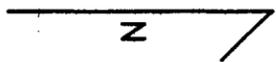
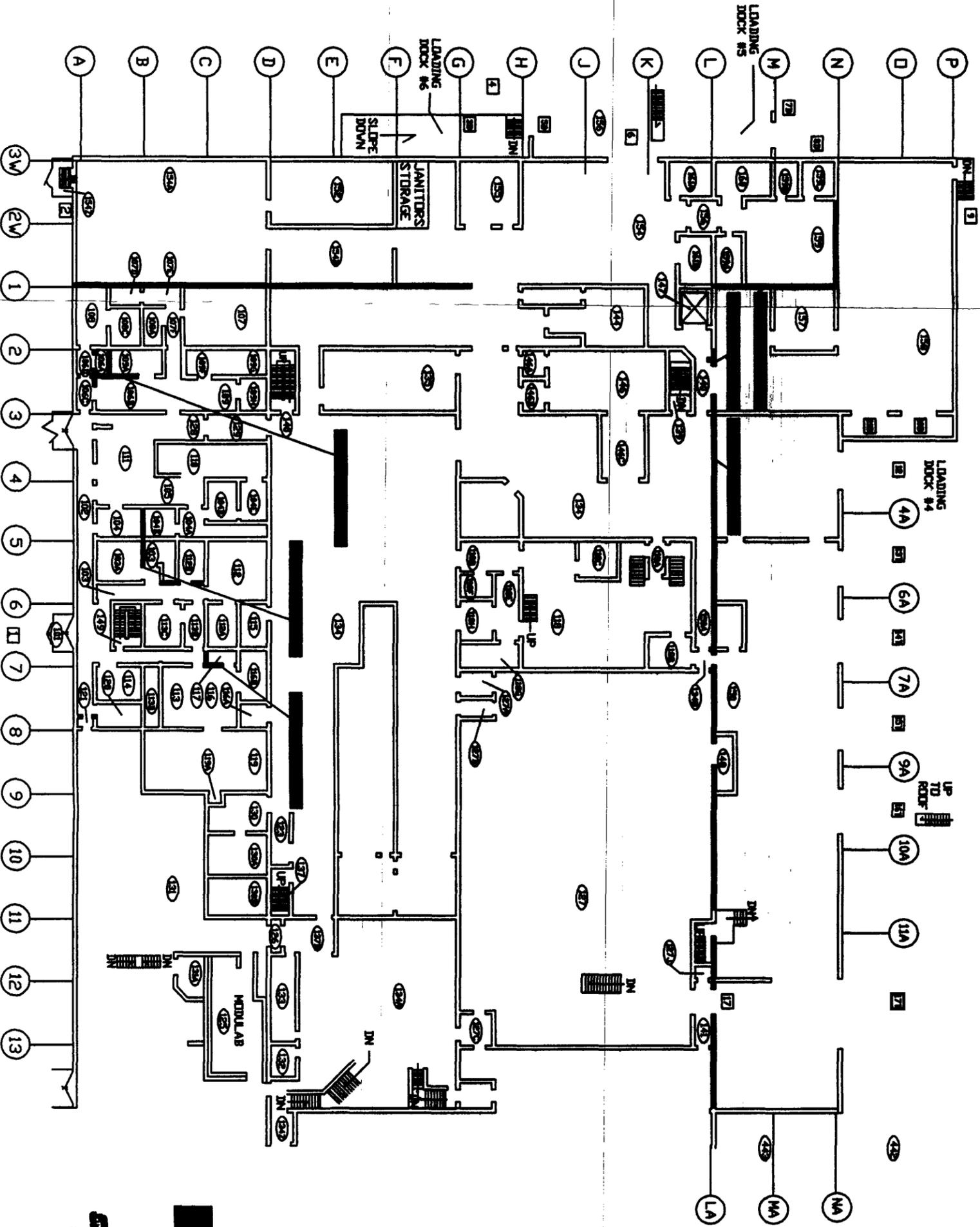
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A	FOR REVIEW	1/1/00
	Revised/Issues	Date

Foothills Environmental Inc
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Project Name and Address
 Rocky Flats
 Environmental Technology
 Site

Drawn	11/2/00	1/1
Scale	NONE	

BLDG 776 - FIRST FLOOR PLAN
Transite Walkboard Locations & Sample Locations



Transite Walkboard Locations & Sample Locations

UNCONTROLLED

NO REVISIONS PERMITTED

SAMPLE LOCATIONS

No.	Revision/Name	Date
1	FOR ISSUE	
A	FOR REVIEW	

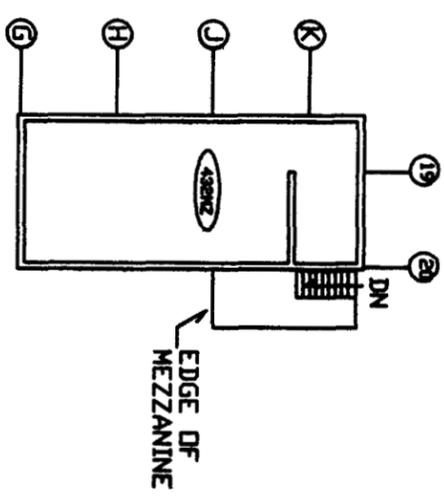
Foothills Environmental Inc
 2801 Youngfield Street
 Suite 300
 Golden CO 80401
 Phone (303) 275-3470
 Fax (720) 489-2832

Project Name and Address
 Rocky Flats
 Environmental Technology
 Site

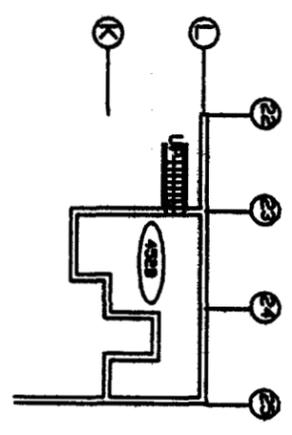
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Scale	NONE		

BLDG 776 - MEZZANINE - BASEMENT FLOOR PLAN

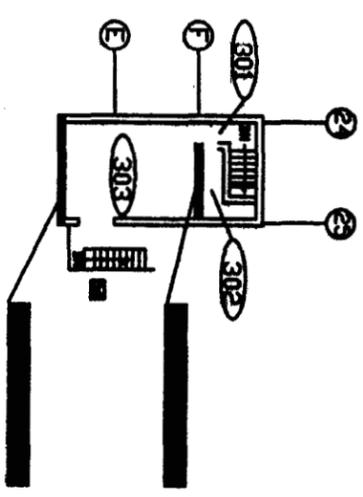
Ceiling Deck Insulation



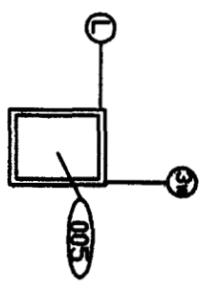
UTILITY AREA
FLOOR ELEVATION 5997.83'



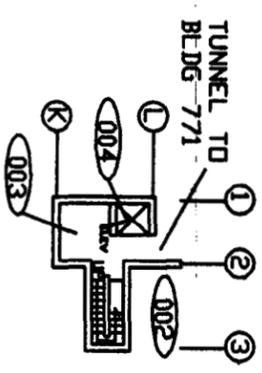
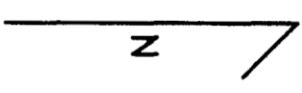
EQUIPMENT PLATFORM
FLOOR ELEVATION 5998.25'



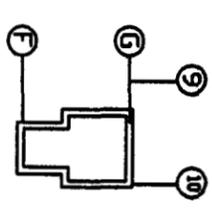
MEZZANINE
FLOOR ELEVATION 5998.00'



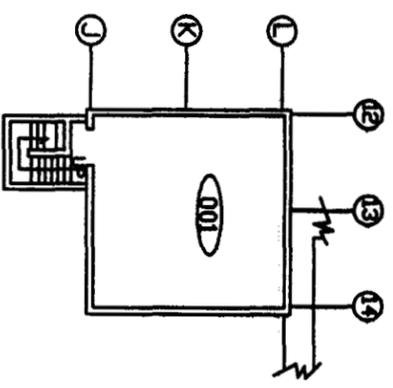
ISOSTATIC PRESS ROOM
FLOOR ELEVATION 5981.00'



ELEVATOR AND LANDING
ELEVATOR ELEVATION 5962.00'
LANDING ELEVATION 5967.00'



PII
FLOOR ELEVATION 5966.83'



BASEMENT PLAN
FLOOR ELEVATION 5966.83'

SAMPLE LOCATIONS

No.	Revision/Issue	Date
1	FOR ISSUE	
A	FOR REVIEW	

Footfalls Environmental Inc
2801 Youngfield Street
Suite 300
Golden CO 80401
Phone (303) 275-3470
Fax (720) 489-2832

Project Name and Address
Rocky Flots
Environmental Technology
Site

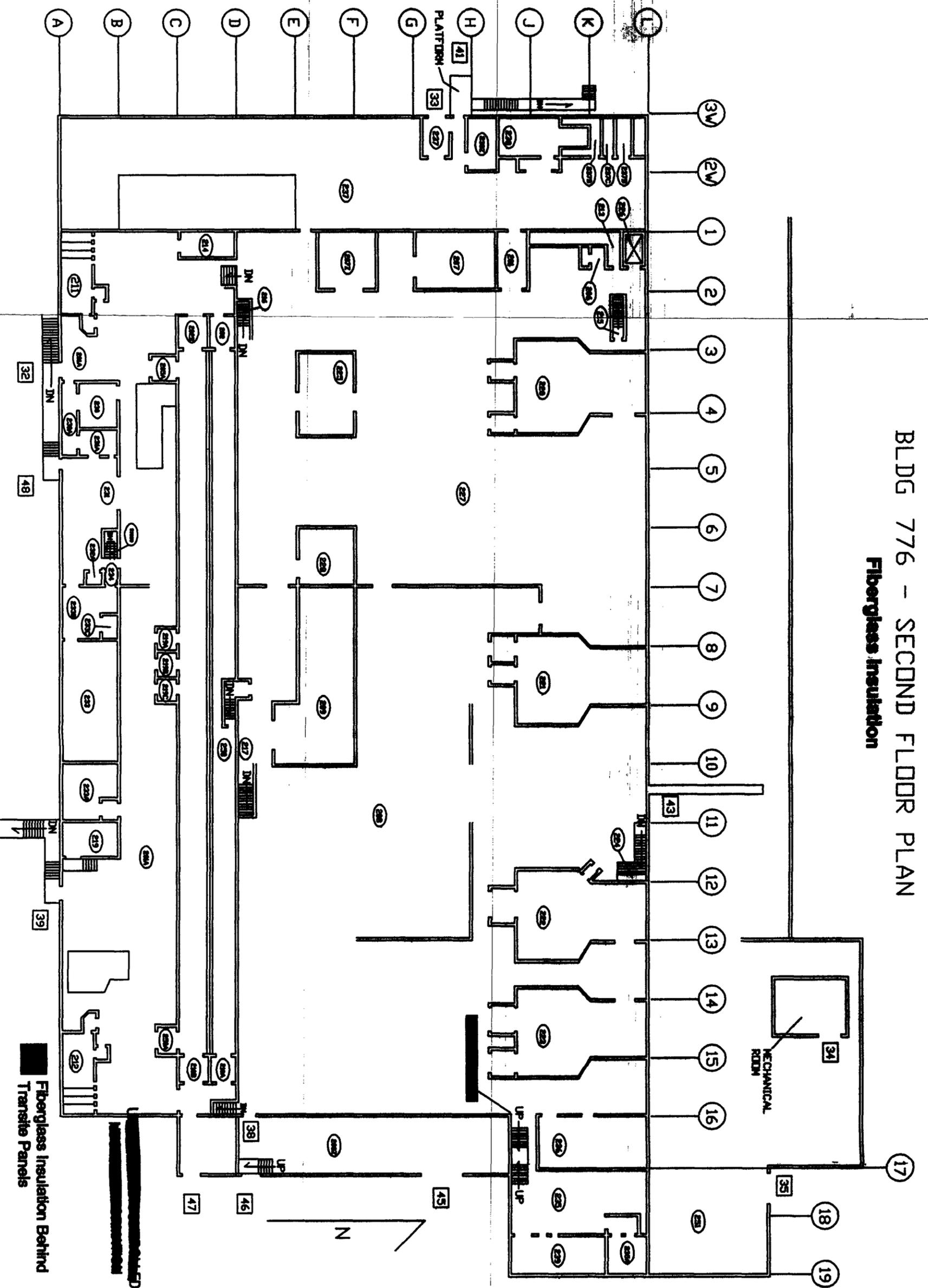
Project	Date	Sheet
11/2/00	1/1	
Scale	NONE	

- Asbestos Containing Rope
- Asbestos Free Cement Blocks

~~UNCLASSIFIED~~
~~RESTRICTED INFORMATION~~

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BLDG 776 - SECOND FLOOR PLAN Fiberglass Insulation



SAMPLE LOCATIONS

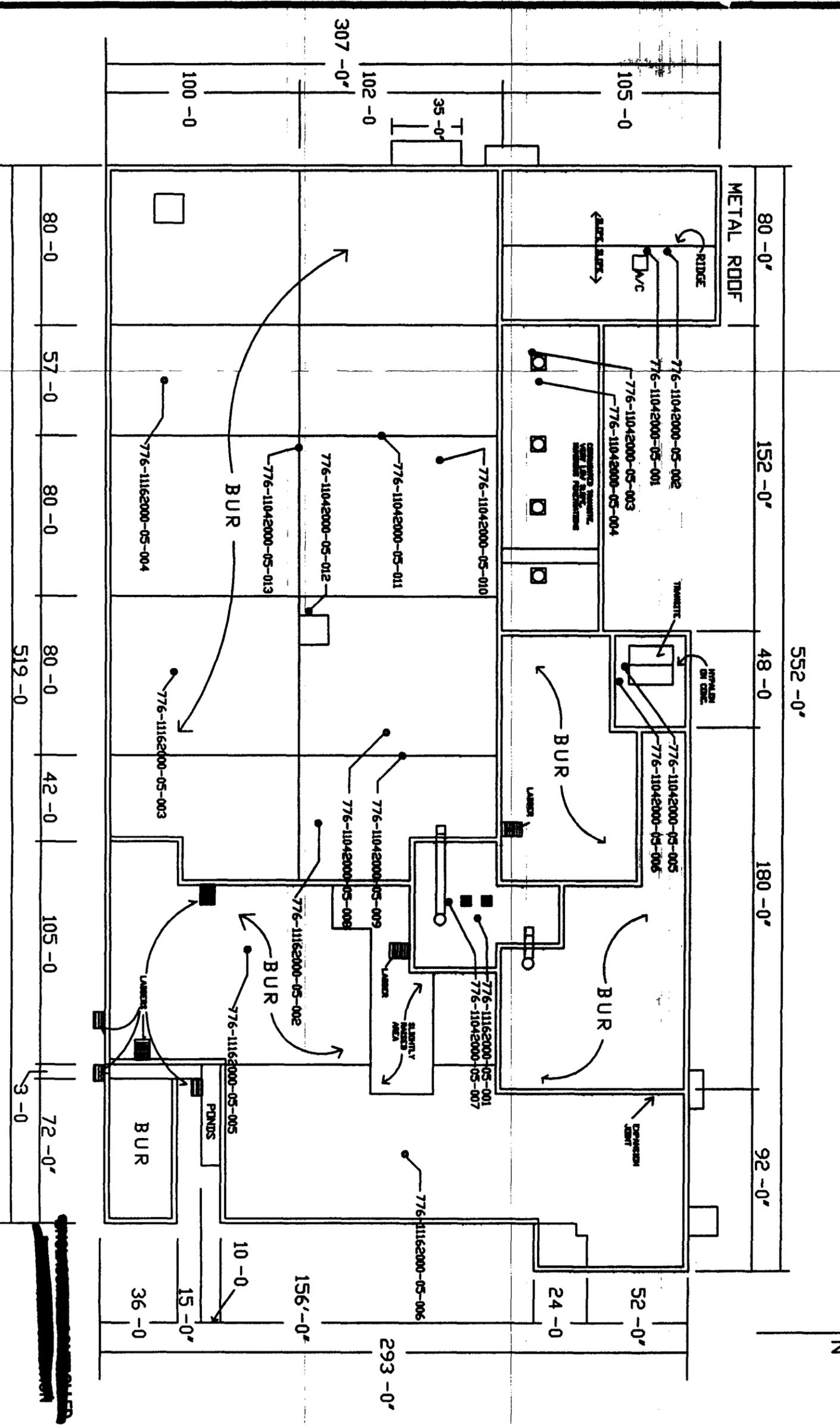
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A	FOR REVIEW	

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Project Name and Address
 Rocky Flats
 Environmental Technology
 Site

Project	Date
11/2/00	1/1
NONE	

BLDG 776 - MANUFACTURING BLDG BLDG 777 - ASSEMBLY BLDG ROOF PLAN



DRAWING NOT TO SCALE

General Notes
SAMPLE LOCATIONS

NOTE ALUMINUM COATING
GRAVEL SURFACE
5-PLY BUR SYSTEM
1-PLY NAILED
LIGHT WEIGHT
INSULATING FILL

No.	Revision/Issue	Date
1	FOR ISSUE	11/2/00
A	FOR REVIEW	11/2/00

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Project	Date	Scale
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