

F01372-06
August 24, 2015
Revised October 12, 2015



Ms. Peggy Sloan
Director of Planning and Development
Franklin Regional Council of Governments
12 Olive Street, Suite 2
Greenfield, MA 01301

Re: **Pre-Demolition Hazardous Building Materials Assessment
Former International Paper Mill
Erving, MA**

Dear Ms. Sloan,

Tighe & Bond conducted a site wide hazardous building materials assessment (HBMA) at the referenced property. The evaluation was performed by Tighe & Bond's asbestos inspectors Brian F. Day (AI061695) and Dan J. Dragon (AI72274) who visited the site on several occasions in June and July, 2015. We also revisited the site in September 2015 to conduct an evaluation of Building 17, which is a separate structure located in the southeast wooded area adjacent the river. At the time of initial survey it was unknown whether the Town maintained responsibility of this building.

The purpose of the evaluation was to assist the Franklin Regional Council of Governments (FRCOG) and the Town of Erving in identifying asbestos-containing building materials (ACBM) and hazardous materials / components requiring abatement or mitigation in the event an extensive renovation or demolition is planned in the future.

The HBMA included the following tasks:

- Assess, sample and quantify presumed asbestos-containing materials (PACM) that would require abatement in the event a renovation or demolition is planned
- Perform polarized light microscopy (PLM) laboratory analysis of PACM bulk samples
- Assess and inventory possible hazardous materials / components including building materials presumed to contain polychlorinated biphenyls (PCBs) that would require abatement in the event a renovation or demolition is planned
- Provide a report of findings together with recommendations for compliance with applicable asbestos and hazardous material regulations and provide an opinion of probable abatement /mitigation costs

Asbestos Survey

Prior to any type of building demolition or renovation, a survey is required to identify and quantify ACBM. This survey is required by Massachusetts asbestos regulations 310 CMR 7.15 (Department of Environmental Protection); 453 CMR 6.00 (Department of Labor Standards); the National Emission Standards for Hazardous Air Pollutants (NESHAP) Standard for Demolition and Renovation 40 CFR Part 61.145, as well as applicable portions of the Occupational Safety and Health Administration (OSHA) CFR 1926.1101 asbestos in construction regulations. These regulations must be implemented during all facets of asbestos abatement, renovation and demolition as required by law.



The asbestos survey consisted of a thorough assessment throughout accessible interior and exterior locations of the former International Paper (IP) Mill in Erving, Massachusetts. The purpose of the assessment was to determine the presence or absence of presumed asbestos-containing materials (PACM). Bulk samples of PACM were collected from each homogenous group of materials in general accordance with standards described in the Environmental Protection Agency (EPA) Asbestos Hazard and Emergency Response Act (AHERA) Regulations for schools. A minimum of three samples of each suspect homogeneous group of materials are typically collected (contingent upon quantity) to confirm or deny the presence of asbestos content in the homogenous materials. The PACM is considered negative for asbestos only when the results of all samples indicate no asbestos detected above the Massachusetts Department of Environmental Protection (MassDEP) threshold of 1% or greater asbestos.

Following collection, bulk samples were submitted to ProScience Analytical Services (PAS) of Woburn, Massachusetts for analysis via polarized light microscopy (PLM) with dispersion staining in accordance with the EPA/600/R-93/116 method.

The following materials were either assumed or reported as asbestos containing and shall be abated prior to building demolition:

Building 1

- Window frame caulking
- Expansion joint caulking
- Fire doors
- Sink undercoat

Building 2 ADD and 2A

- Window frame caulking
- Transite components

Building 2B – No ACM

Building 2

- Glazing compound
- Window frame caulking
- Wall panel adhesive
- Vinyl sheet flooring
- Sink undercoat

Building 3

- Window frame caulking

Building 4, 5, 6 and 7

- Glazing compound
- Window frame caulking
- Pipe insulation

Building 8

- Glazing compound
- Window frame caulking

- Boiler insulation and rope

Buildings 8A, 9, 9A, 9B and 10

- Glazing compound
- Window frame caulking
- Transite components

Pulp Receiving and Stockhouse Sections

- No ACM

Building 12

- Window frame caulking

Building 17

- Thermal system insulation and debris
- Glazing compound
- Window and door frame caulking
- Transite components
- Mastic on parapet / roof

The assessment information for each ACM is summarized in the *Asbestos-Containing Materials Inventory* provided in Appendix A. The inventory lists PACM sampled, sample numbers, material locations and specific comments relative to materials observed. Additionally, the *PAS laboratory analytical report* is included in Appendix B.

Building nomenclature was derived from a complete set of building layout drawings which were discovered inside the building during the audit. A copy of these drawings is located in Appendix F.

Although this initial HBMA was quite thorough, it was limited to accessible areas of the structures and did not include a roof assessment. If plans for demolition or renovation in any part of the site come to fruition, supplemental asbestos assessment for renovation or demolition will be necessary.

A visual inspection of accessible roof sections was conducted, however, for safety reasons, access to the roofs was not considered part of this assessment. The results of our visual investigation confirmed the presence of rubber membranes, some of which are covered in stone ballast, throughout virtually all roof levels. It is currently unknown whether removal of original roofing layers was performed prior to installation of newer rubber membranes.

The asbestos containing materials discovered throughout the structure shall be removed by a licensed asbestos abatement contractor prior to any activity that has the potential to cause disturbance. We also recommend the following general requirements:

- A standardized Scope of Work/Specification should be established for the removal of asbestos containing materials at the structures. We recommend that the specification be developed by a licensed asbestos designer and it should address such important issues as regulatory requirements, notification procedures, air sampling requirements and other pertinent information.
- An ANF-001 asbestos project notification must be prepared by a licensed asbestos contractor and submitted to MassDEP and Massachusetts Department of Safety (MassDOS) at least ten days prior to the onset of asbestos abatement activity.

- Any Town employees who may work in this structure should be notified that asbestos containing materials are present and to not disturb them without proper training.

Hazardous Materials Survey

Tighe & Bond performed a visual inspection of building equipment and materials that could contain hazardous components and have the potential for disturbance during a demolition. The results of our survey confirmed the presence of the following materials/equipment within the subject property:

Building 1

- Fluorescent light tubes
- Light ballasts
- Fire extinguishers
- Emergency light batteries
- Air conditioning units
- Dock leveler oils
- Microwave

Shipping Dock Building

- Dock leveler oils

Building 2 ADD and 2A

- Fluorescent light tubes
- Light ballasts
- Fire extinguishers
- Emergency light batteries
- Air conditioning units
- Cathode ray tube units
- Fork truck batteries

Building 2B

- Fluorescent light tubes
- Light ballasts
- Dock levelers
- Waste water container

Building 2

- Fluorescent light tubes
- Light ballasts
- Fire extinguishers
- Emergency light batteries
- High intensity discharge lights
- Box of poison

Building 3

- Fluorescent light tubes
- Light ballasts
- Fire extinguishers
- HID lights

Building 4, 5, 6 and 7

- Fluorescent light tubes
- Light ballasts
- Fire extinguishers
- Emergency light batteries

Building 8

- Fluorescent light tubes
- Light ballasts
- Fire extinguishers
- Mercury ampules
- Above ground oil tank and filled oil lines

Buildings 8A, 9, 9A, 9B and 10

- Fluorescent light tubes
- Light ballasts
- Fire extinguishers
- Emergency light batteries
- Above ground oil tank and filled oil lines
- Elevator equipment oils

Pulp Receiving and Stockhouse Sections

- Fluorescent light tubes
- Light ballasts
- Fire extinguishers
- Emergency light batteries
- Industrial equipment oils
- Dock levelers

Building 12

- Fluorescent light tubes
- Light ballasts
- Exterior PCB transformer units

Building 17

- Fluorescent light tubes
- Light ballasts
- Mercury switches

The assessment information for each hazardous material is summarized in the *Hazardous Materials Inventory* provided in Appendix C. These components should be removed / recycled or disposed of by trained personnel prior to any renovation or demolition activity that could cause disturbance. Sampling and analyses of suspect hazardous materials were not performed as part of this scope of work.

The exterior area of Building 12 currently houses six - 7' x 3.5' standing transformers presumed to contain oils. Given the age of these units, it is likely the oils also contain PCBs. One of the transformers has been vandalized and was tipped over. This HBMA did not include underground assessments, soil sampling plans, remediation plans and reporting, however it is likely that surrounding soils have become impacted and contaminated with oils due to the vandalism.

PCBs in Building Materials

Discussion

PCBs in building materials have received extensive attention over recent years by environmental regulators, consultants, and contractors, and PCBs are increasingly being identified in buildings that may undergo demolition or renovation. Buildings/structures that were constructed (or renovated) between the 1950s and the late 1970s have a greater potential to contain PCBs in certain building materials.

It is important to note that EPA regulations which govern the Toxic Substance Control Act (TSCA) requirements including PCBs and PCB Bulk Product Wastes, do not require the sampling for PCBs prior to building demolition or renovation. Therefore there is no current regulatory requirement to sample for PCBs (local, state or federal).

Regardless of the regulatory sampling requirements many waste/recycling receiving facilities may request PCB sampling to be performed. If it is suspected that PCBs could be present, it is important to also mitigate potential human health and safety risk to abatement/demolition contractors and owners' potential liability associated with the proper recycling/disposal of certain generated demolition waste materials.

Sampling Summary

Tighe & Bond performed an initial visual assessment of building materials throughout the complex that have the potential to contain PCBs and would therefore be subject to wipe screening. The results of our assessment concluded that most window systems contain glazing compounds and frame caulking which, due to their approximate age, were considered suspect for PCB content.

Sampling of the glazing compounds and frame caulking were performed using saturated hexane wipes. Each sampling area was initially scarified using a metal wood rasp (decontaminated between samples) and the hexane wipe was applied to the scored area until a sufficient amount of material was obtained on the wipe over an approximate 100 square centimeter (cm²) area. The wipe samples were prepared for transport and submitted to ESS Laboratories of Cranston, Rhode Island under chain of custody, to determine PCB concentrations in each sample. The *ESS laboratory analytical report* is included in Appendix D. PCB sampling details and results are inventoried in the *PCB Wipe Sampling Analytical Results Inventory* located in Appendix E.

In summary, a total of six samples of caulking and glazing compounds were collected and analyzed and the analytical results reported no detectable PCB concentrations in any of the samples analyzed.

It should be noted that PCB wipe sampling is only a screening tool to sample for PCBs. PCB wipe sample results report the amount of PCBs contained on the wipe (micrograms of PCBs per wipe area or µg/wipe). Wipe sample results do not trigger potential TSCA jurisdiction as a PCB Bulk Product Waste as it is defined by the amount of PCBs present per unit weight of the material sampled (milligrams of PCBs per kilogram of material, which is equivalent to mg/kg or parts per million (ppm)).

Although these materials have no PCB disposal restriction, all do contain asbestos and are regulated for handling and disposal as an asbestos waste.

Lead Based Paint (LBP) Evaluation

Tighe & Bond's environmental compliance specialists performed a visual evaluation of accessible painted interior systems throughout the complex. Most interior building areas contain painted interior perimeter wood or brick walls, wood beams, wood ceiling decks and structural elements that are coated with vintage paint layers that are highly likely to contain lead. Other areas of the structure contain little or no lead sources such as the Shipping Dock Building, #2B Shipping Dock Building, Fuel Stores Building, Stockhouse Building and Pulp Receiving Building as they were primarily constructed with steel and sheet metal, are of newer construction and contain little or no painted systems.

LBP management during general renovation and demolition are often associated with worker protection and some disposal testing requirements if requested by certain landfills accepting the demolition debris. When managed appropriately, costs associated with the proper handling and disposal of construction materials containing lead are incidental. Most reputable general contracting and demolition firms handle LBP components regularly therefore protecting their workers at all times from potential lead exposure and prepare waste streams so that lead containing painted components are not concentrated but are dispersed throughout the waste stream.

The purpose of this evaluation was to confirm or deny the presence of LBP sources within the complex. Conducting testing for compliance with the Massachusetts Childhood Lead Poisoning Prevention Program (CLPPP) was not considered part of this effort. CLPPP testing and reporting is only necessary in the event buildings will be used for housing where children under the age of six could reside.

It is presumed that if any portion of this property is planned for future residency, the buildings will first undergo an extensive selective demolition and cleaning process including removal/refurbishing of components that are covered in peeling paint. CLPPP testing is often performed after extensive cleanup is conducted and the lead paint sources have been mitigated.

Opinion of Probable Abatement Costs

To assist the Town with budgeting for asbestos abatement and hazardous material (OHM) management in the event renovation or demolition is planned, Tighe & Bond prepared an opinion of probable abatement costs on a per building area basis. Some smaller contiguous building sections were combined due to the absence of interior building walls separating the floor spaces. These costs include mobilization and effort to access, abate and dispose of the specified ACMs and OHMs. The Cost Opinion is as follows:

Building 1

- ACM Abatement - \$8,000
- OHM Mitigation - \$4,500

Building 2 ADD and 2A

- ACM Abatement - \$5,000
- OHM Mitigation - \$7,500

Building 2B

- ACM Abatement - \$0
- OHM Mitigation - \$500

Building 2

- ACM Abatement - \$54,000
- OHM Mitigation - \$4,000

Building 3

- ACM Abatement - \$500
- OHM Mitigation - \$2,500

Building 4, 5, 6 and 7

- ACM Abatement - \$14,000
- OHM Mitigation - \$3,000

Building 8

- ACM Abatement - \$43,000
- OHM Mitigation - \$3,000

Buildings 8A, 9, 9A, 9B and 10

- ACM Abatement - \$5,800
- OHM Mitigation - \$6,500

Pulp Receiving and Stockhouse Sections

- ACM Abatement - \$0
- OHM Mitigation - \$2,000

Building 12 and Exterior of 12

- ACM Abatement - \$200
- OHM Mitigation - \$14,000

Building 17

- ACM Abatement - \$20,000
- OHM Mitigation - \$500

Total Site Wide ACM Abatement Cost: \$150,500

Total Site Wide Hazardous Materials Abatement Cost: \$48,000

Asbestos Consultation and Management During Abatement

Certain asbestos abatement work will require the need for full containment construction coupled by post abatement inspection and clearance air sampling by a third party industrial hygiene firm. Given the complexity of the potential abatement efforts, it is recommended that a scope of work also be prepared which will require review / comment of the contractor's pre and post abatement paperwork submissions and onsite management during various project milestones. Preparation of a scope of work for site wide abatement, onsite

consultation, air sampling and analyses and closeout reporting by an engineering firm is estimated at **\$50,000.**

These budgets are only an opinion of probable cost for the proposed work that was observed during our assessment. Costs may vary due to project phasing, actual quantities abated, competition, seasonal variations, the presence of asbestos roofing materials under rubber membranes, etc.

Please do not hesitate to call the undersigned at (508) 471-9603 if you have any questions concerning this information or if you wish to implement any of our recommendations.

Very truly yours,

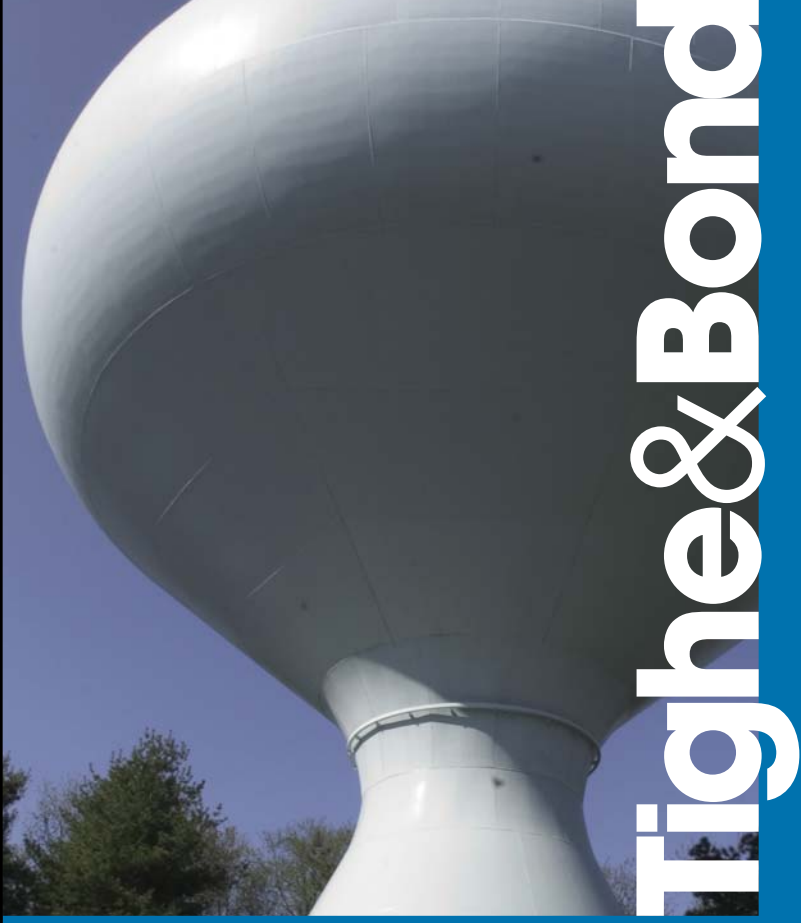
TIGHE & BOND, INC.

A handwritten signature in cursive script, reading "Brian F. Day".

Brian F. Day
Senior Environmental Scientist

Enclosures

Appendix A: Asbestos Containing Materials Inventory
Appendix B: Asbestos Laboratory Report
Appendix C: Hazardous Materials Inventory
Appendix D: PCB Inventory Table
Appendix E: PCB Laboratory Report
Appendix F: Building Layout / Nomenclature Drawings



APPENDIX A
Asbestos-Containing Materials Inventory
Former IP Mill
Erving, Massachusetts

Sample #	Material	Location	Approximate Quantity	Result	Comment
BUILDING 1					
A-01/01A, A-02/02A, A-03/03A	12" Gray floor tile and mastic	Building 1- Second floor, hallway	-	Negative	
A-04/04A, A-05/05A, A-06/06A	12" Green floor tile and mastic	Building 1- Second floor, eastern room	-	Negative	
A-07, A-08, A-09	Ceramic tile adhesive	Building 1- Second floor, bathrooms	-	Negative	
A-10, A-11, A-12	Carpet adhesive	Building 1- First and second floor, various rooms and stairwell	-	Negative	
A-13/13A/13B, A-14/14A/14B, A-15/15A/15B	Sheetrock / seam tape / joint compound	Building 1- First and second floor, various rooms	-	Negative	
A-16, A-17, A-18	Wall panel adhesive	Building 1- Second floor, various rooms	-	Negative	Associated with white wall paneling.
A-19, A-20, A-21	Wall panel adhesive	Building 1- Second floor, various rooms	-	Negative	Associated with brown wall paneling.
A-22/22A, A-23/23A, A-24/24A	5" Cove base and adhesive	Building 1- First and second floor, various rooms	-	Negative	
A-25	Sink undercoat	Building 1- Second floor, kitchenette	(1) 2' x 2' sink	Positive	
A-26, A-27, A-28	2' x 4' Suspended ceiling panel	Building 1- Second floor, various rooms	-	Negative	

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Former IP Mill
Erving, Massachusetts

Sample #	Material	Location	Approximate Quantity	Result	Comment
A-29, A-30, A-31, A-117, A-118	Window frame and expansion joint caulking	Building 1- Throughout, metal framed window units	(27) - 4' x 6' and (5) - 7' x 5' window openings and 380 LF	Positive	Interior and exterior beads present. Interior beads are around all sides of the individual window units. There are (27) - 4' x 6' and (5) - 7' x 5' window units. Exterior beads of caulking are only around window openings (360 LF) and one (20 LF) vertical expansion joint bead.
AP	Fire doors	Building 1- Second floor, doors to Building 2ADD / 2A	(3) CT	Positive	
BUILDING 2ADD / 2A					
A-35, A-36, A-37	Window frame caulking	Building 2ADD / 2A- Ground floor, throughout	260 LF	Positive	Associated with 5' x 5' or smaller interior glass block window systems.
A-38, A-39, A-40	Window frame caulking	Building 2ADD / 2A- Ground floor and second floor, throughout	390 LF	Positive	Associated with exterior glass block window system with metal channel along top of window opening. Interior and exterior beads present.
AP	Miscellaneous transite components	Building 2ADD / 2A- Second floor, throughout	1/2 CYD	Positive	Associated with electrical room equipment. Various transite components and boards of various size.
BUILDING 2B					
NO suspect ACM observed throughout Building 2B, loading dock					
SHIPPING DOCK BUILDING					
NO suspect ACM observed throughout Shipping Dock					
BUILDING 2					
A-115/115A, A-116/116A	12" Off white floor tile and mastic	Building 2- Basement office area	-	Negative	On rotted wood flooring.

APPENDIX A
Asbestos-Containing Materials Inventory
Former IP Mill
Erving, Massachusetts

Sample #	Material	Location	Approximate Quantity	Result	Comment
A-41, A-42, A-43	Canvas material	Building 2- Throughout second and third floors	-	Negative	Tacked in place to wood ceiling beams.
A-103, A-104, A-105, A-106, A-107, A-108 and A-85, A-86, A-87	Glazing compound	Building 2- Throughout second floor	(95) CT full windows; (35) CT partial windows	Positive	Associated with the 4' x 10' wooden arched windows throughout the building. Many windows boarded up, others have been partially replaced with vinyl windows but upper section of original wood arched window section remains.
A-80, A-81, A-82	Window frame caulking	Building 2- Throughout entire building (sampled from second floor, south section near shower rooms)	1,800 LF	Positive	Associated with original wood window openings with arched tops. Caulking beads are sporadic, some of which are concealed behind vinyl replacement windows. Exterior investigation confirmed the absence of most caulking applications with only small amounts of remnant remaining. Contractor should investigate all openings (approximately 180 openings) and confirm the presence or absence of window frame caulking.
A-44	Gray sink undercoat	Building 2- Second floor, bathroom	-	Negative	
A-45, A-46, A-47	Wall panel adhesive	Building 2- Second floor, bathroom / rooms	-	Negative	Associated with white wall paneling.
A-48, A-49	Vinyl sheet flooring, self stick type	Building 2- Second floor, western rooms, laboratory area	-	Negative	Self adhered type flooring.
A-50, A-51, A-52	Vinyl sheet flooring, pebble pattern	Building 2- Second floor, middle of floor	-	Negative	Associated with a floor area that used to be an enclosed room.
A-53/53A, A-54/54A	12" Off white floor tile and mastic	Building 2- Second floor, southern laboratory space, hallways	-	Negative	Top layer.

APPENDIX A
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Erving, Massachusetts

Sample #	Material	Location	Approximate Quantity	Result	Comment
A-55, A-56, A-57	Brown wall panel adhesive	Building 2- Second floor, south section, middle laboratory space and middle room	1,100 SF	Positive	Wood wall panel adhered to non-mudded sheetrock wall system.
A-58/58A, A-59/59A	Brown vinyl cove base and adhesive	Building 2- Second floor, south section, middle laboratory space and middle room	-	Negative	
A-60/60A, A-61/61A	12" Salmon colored floor tile and mastic	Building 2- Second floor, south section, south laboratory space, cafeteria (top layer)	-	Negative	Middle layer.
A-62, A-63	Brown jute back flooring	Building 2- Second floor, middle of floor, cafeteria, training room and shower rooms, southwest corner	-	Negative	Bottom layer.
A-83, A-84	Large stone pattern vinyl sheet flooring	Building 2- Second floor, middle of floor, cafeteria, training room and shower rooms, southwest corner	1,900 SF	Positive	This layer of floor covering is throughout the entire finished space under two or three layers of non-ACM floor coverings, and wood underlayment layers. Floor covering presumed under interior wall partitions also.
A-64	Black sink undercoat	Building 2- Second floor, south section, south laboratory space	(1) double sink	Positive	Sample A-64 was incorrectly identified as "jute back" flooring on the chain of custody. Treat sink undercoat as ACM.
A-65/65A, A-66/66A, A-67/67A	12" Gray floor tile and mastic	Building 2- Second floor, south section, training room space	-	Negative	Top layer.
A-68/68A, A-69/69A	12" Blue and white checker pattern floor tile and mastic	Building 2- Second floor, south section, south room near labs	-	Negative	Top layer.

APPENDIX A
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Sample #	Material	Location	Approximate Quantity	Result	Comment
A-70/70B, A-71/71B, A-72/72B	Sheetrock / joint compound	Building 2- Second floor, south section, laboratory areas, cafeteria, and shower rooms	-	Negative	Seam tape not observed or it was plastic mesh. Associated with walls.
A-73/73A, A-74/74A	4" Black cove base and adhesive	Building 2- Second floor, south section, laboratory areas, cafeteria, and shower rooms	-	Negative	
A-75, A-76	2' x 2' Suspended ceiling panels	Building 2- Second floor, south section, laboratory areas, cafeteria, and shower rooms	-	Negative	
A-77	White sink undercoat	Building 2- Second floor, south section, cafeteria	-	Negative	
A-78/78A, A-79/79A	Sheetrock / joint compound	Building 2- Second floor, south section, laboratory areas, cafeteria, and shower rooms	-	Negative	Boxed-in systems located above ceiling panels. Seam tape not observed.
A-88/88A/88B, A-89/89A/89B, A-90/90A/90B	Sheetrock / seamtape / joint compound	Building 2- Third floor, north offices area	-	Negative	Comprises wall construction.
A-91/91A, A-92/92A	4" Green cove base and adhesive	Building 2- Third floor, north offices area	-	Negative	
A-93	Blue pebble style vinyl sheet flooring	Building 2- Third floor, bathroom	-	Negative	
BUILDING 3					
A-94, A-95	Glazing compound	Building 3- Ground floor, throughout	-	Negative	Associated with the (3) 5' x 5' wood arched windows.

APPENDIX A
Asbestos-Containing Materials Inventory
Former IP Mill
Erving, Massachusetts

Sample #	Material	Location	Approximate Quantity	Result	Comment
Same as A-80, A-81, A-82	Window frame caulking	Building 3- Ground floor, throughout	60 LF	Positive	Associated with (3) 5' x 5' wooden arched window openings. No access to confirm presence or absence of frame caulking or to sample.
BUILDINGS 4, 5, 6 and 7					
A-96, A-97, A-106, A-107, A-108 (wood frame), A-98, A-99 (metal frame)	Glazing compound	Buildings 4, 5, 6 and 7- Throughout	(41) CT 5' x 5' wood windows; (2) CT 1' x 2' metal windows	Positive	Associated with the 5' x 5' wooden arched windows and 1' x 2' metal windows throughout the building sections. Many windows boarded up.
Same as A-80, A-81, A-82	Window frame caulking	Buildings 4, 5, 6 and 7- Throughout	800 LF	Positive	Associated with all windows noted above. No access to confirm presence or absence of frame caulking or to sample.
AP	TSI- Pipe insulation	Building 7- Second floor, near No. 8 PM Pulper area, ceiling level	30 LF	Positive	TSI pipe insulation approx. 4" diameter insulating pipe system located horizontally along a ceiling beam.
Same as A-50, A-51, A-52	Vinyl sheet flooring, pebble pattern	Building 7- Third floor	-	Negative	
BUILDING 8 Boiler Room					
A-109, A-110	TSI- Mud Drum insulation	Building 8- (2) Boiler systems	220 SF	Positive	The boiler room houses two 18' x 12' x 15' or larger boiler units which contain both upper and lower mud drums which are insulated with magnesium type TSI reinforced with wire. Selective demolition to portions of the boiler will be necessary to access all ACM.
A-111, A-112	Rope insulation	Building 8- (2) Boiler systems	300 LF	Positive	The boiler room houses two 18' x 12' x 15' or larger boiler units which contain interior rope insulation between gaps of metal mating surfaces and concealed within the boiler segments. Selective demolition of each boiler will be necessary to access all ACM.
A-113, A-114	Interior boiler brick	Building 8- (2) Boiler systems	-	Negative	

APPENDIX A
Asbestos-Containing Materials Inventory
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Sample #	Material	Location	Approximate Quantity	Result	Comment
AP	Glazing compound	Building 8- Throughout	(8) 6' x 6' metal windows	Positive	No access to sample. Presume as ACM until sampling can prove otherwise.
A-119, A-120	Asphalt based roofing	Building 8- Exterior, around stack	-	Negative	
AP	Window frame caulking	Building 8- Throughout	200 LF	Positive	Associated with the (8) 6' x 6' windows noted above. No access to sample. Presume as ACM until sampling can prove otherwise.
BUILDINGS 8A, 9, 9B, 10					
Same as A-96, A-97, A-106, A-107, A-108	Glazing compound	Buildings 8A, 9, 9B and 10- Throughout, primarily located throughout Building 10 only	(20) CT 5' x 5' wood windows	Positive	Associated with the 5' x 5' wooden arched windows throughout the building sections. Many windows boarded up.
Same as A-80, A-81, A-82	Window frame caulking	Buildings 8A, 9, 9B and 10- Throughout, primarily located throughout Building 10 only	220 LF	Positive	Associated with all windows noted above. Limited access to confirm presence or absence of frame caulking or to sample. Only caulking remnant observed from ground level.
A-100, A-101, A-102	Fireproofing	Buildings 9B and 10- Throughout first and second floors	-	Negative	Applied to beams and ceiling decks throughout the buildings noted herein.
Same as A-80, A-81, A-82	Transite components	Building 10- Northwest corner	1/4 CYD	Positive	Associated with elevator electrical components. Type varies from small individual components to (3) 2' x 2' panels screwed in place.
Pulp Receiving and Stockhouse Buildings					
NO suspect ACM observed throughout Pulp Receiving and Stockhouse Buildings					
BUILDING 12					
Same as A-80, A-81, A-82	Window frame caulking	Building 12- Throughout ground floor, south wall	30 LF	Positive	Associated with wood window system which has been removed and boarded up.

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Erving, Massachusetts

Sample #	Material	Location	Approximate Quantity	Result	Comment
BUILDING 17					
A-121	TSI-Compressed paper on heating systems	Building 17-Throughout	400 SF; 2 CYDs debris	Positive	Associated with interior wall mounted heating units and piping. Some material has become dislodged and has become co-mingled with other building debris.
AP	Transite components	Building 17-Throughout	1/2 CYD	Positive	Associated with various interior electrical components / boxes of various size and shape.
AP	Mastic on parapet	Building 17-Throughout roof level	1,200 SF	Positive	Applied to exterior roof level parapet walls and roof portions. Assume roof layers and mastics as ACM until sampling proves otherwise.
A-122, A-123, A-124, A-125, A-126, A-127	Window and door glazing compounds	Building 17-Throughout	(34) windows and doors of varying size	Positive	ACM glazing compound associated with all windows and doors. Windows are typically wood, single sash, multi paned systems ranging in size as follows: (2)-3' x 5'; (2)-3' x 3'; (12)-3' x 4'; (4)-5' x 5'; (4)-5' x 10'; (4) 10' x 20'; (4)-2' x 6'. Doors are average size and have small windows within the doors.

LEGEND:

ACM = Asbestos-Containing Material

AP = Assumed Positive

SF = Square Feet

LF = Linear Feet

TSI = Thermal system Insulation

CT = Count

Survey Completed By:

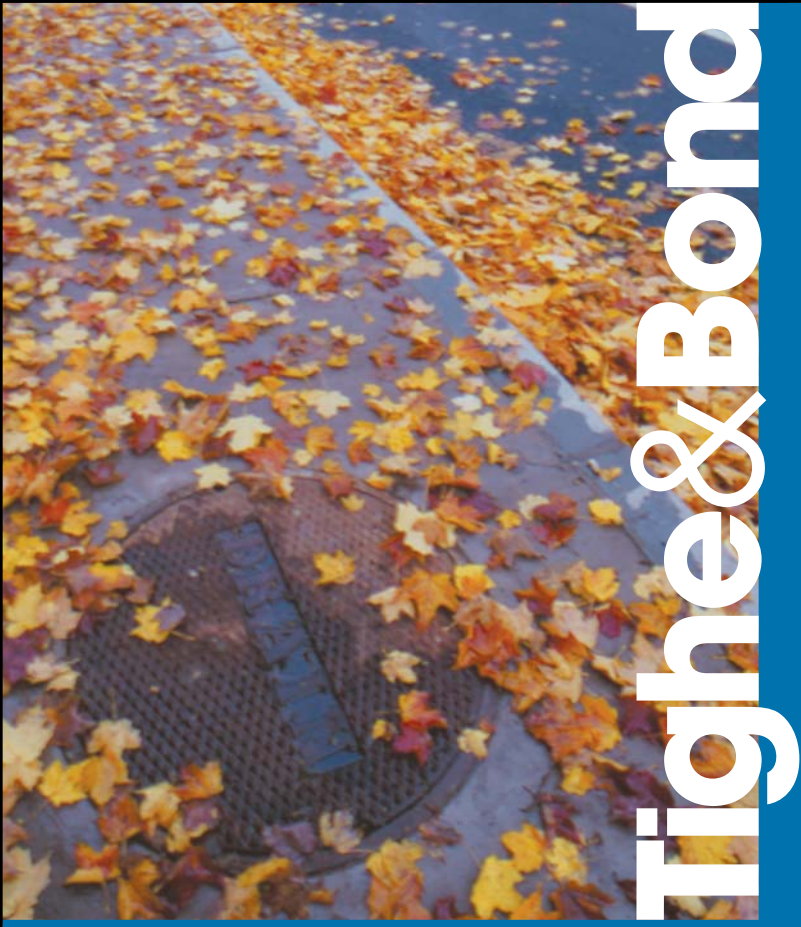


Brian F. Day

MADLS # AI061695

Tighe & Bond - 446 Main Street, Worcester, MA - 508.754.2201

SPECIFIC LOCATIONS AND BUILDING NOMENCLATURE WERE DERIVED FROM A SET OF FLOOR PLANS WHICH ARE PROVIDED IN THE REPORT AS AN APPENDIX. THIS SURVEY WAS PERFORMED FOR INFORMATIONAL PURPOSES AND SHALL NOT BE SOLELY USED FOR RENOVATION OR DEMOLITION EFFORT.





ProScience Analytical Services, Inc

Brian Day
Tighe & Bond, Worcester
446 Main St.
Worcester, MA 01608

July 31, 2015

Dear Brian Day,

The enclosed analytical results have been obtained by using the EPA/600/R-93/116 method. The "Visual Estimate" quantitative method is generally used for determining the percentage of asbestos and other components of the sample. "The Point Counting" method may also be used upon client request or at the analyst discretion. The Point Count method is usually recommended when the sample contains less than 10% asbestos by Visual estimate. Asbestos content less than 1% is recorded on the report as TR (trace).

The Quality Control data related to the samples analyzed is available upon client's written request. ProScience Analytical Services Inc., assumes no responsibility for potential sample contamination that may have occurred during the sample collection process or erroneous data provided by the client.

The enclosed results may not be used under any circumstances as product endorsement by any US government agency including NIST/NVLAP.

All Laboratory records are retained for at least three years unless otherwise directed in writing by the client. The actual samples are retained for a period of two months and written request is necessary in order to be retained for a longer period of time. All analytical results and records are considered strictly confidential and will not be released under any circumstances to anyone except the actual client. The analytical results included in this report apply only to the items tested.

If you have any questions please contact the Laboratory Manager or the Laboratory Director.

Sincerely,

Patricia Weakley, Optical Asbestos Manager

Aimee Cormier, Laboratory Director

Enclosure: Version 2
LAB BATCH ID: B 97543 CLIENT PROJECT ID: F01372
Client Ref: Erving Mill
AIHA ID# 102754; CT ID# PH-0209; MA ID# AA000156; ME ID# LB-055; ME ID# LA-056; NVLAP
Lab Code 200090-0; RI ID # AAL-093; VT ID# AL016876

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-01	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12" Gray Floor Tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-02	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12" Gray Floor Tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-03	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12" Gray Floor Tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-01A	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Mastec Associated with App.1 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-02A	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Mastec Associated with App.1 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-03A	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Mastec Associated with App.1 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-04	Green	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12" Green Floor Tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-05	Green	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12" Green Floor Tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-06	Green	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12" Green Floor Tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-04A	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Mastix Associated with App.3 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-05A	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Mastix Associated with App.3 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-06A	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Mastix Associated with App.3 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

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 PO #: N/A
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 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-07	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-08	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-09	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-10	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-11	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-12	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

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 Method: EPA/600/R-93/116

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-13	White	0	0	0	0	0	0	0	0	5	0	0	0	95
Description: Sheetrock Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-14	White	0	0	0	0	0	0	0	0	5	0	0	0	95
Description: Sheetrock Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-15	White	0	0	0	0	0	0	0	0	5	0	0	0	95
Description: Sheetrock Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-13A	Tan	0	0	0	0	0	0	0	0	95	0	0	0	5
Description: Seam Tape Associated with App. 7 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-14A	Tan	0	0	0	0	0	0	0	0	95	0	0	0	5
Description: Seam Tape Associated with App. 7 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-15A	Tan	0	0	0	0	0	0	0	0	95	0	0	0	5
Description: Seam Tape Associated with App. 7 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
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 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-13B	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound Associated with App.8 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-14B	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound Associated with App.8 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-15B	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound Associated with App.8 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-16	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-17	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-18	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

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Client Name: Tighe & Bond, Worcester
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 Client Project #: F01372
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 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-19	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Location: N/A Comments:														
Is asbestos present? No.													Analyzed: Yes	

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-20	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Location: N/A Comments:														
Is asbestos present? No.													Analyzed: Yes	

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-21	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Location: N/A Comments:														
Is asbestos present? No.													Analyzed: Yes	

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-22	Multi	0	0	0	0	0	0	0	0	95	0	0	0	5
Description: Cove Base Location: N/A Comments:														
Is asbestos present? No.													Analyzed: Yes	

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-23	Multi	0	0	0	0	0	0	0	0	95	0	0	0	5
Description: Cove Base Location: N/A Comments:														
Is asbestos present? No.													Analyzed: Yes	

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-24	Multi	0	0	0	0	0	0	0	0	95	0	0	0	5
Description: Cove Base Location: N/A Comments:														
Is asbestos present? No.													Analyzed: Yes	

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-22A	Brown	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Associated with App. 12 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-23A	Brown	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Associated with App. 12 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-24A	Brown	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Associated with App. 12 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-25	Gray	5	0	0	0	0	0	0	0	0	0	0	0	95
Description: Sink Undercoat Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-26	Multi	0	0	0	0	0	0	10	0	45	0	0	0	45
Description: Ceiling Panel Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-27	Multi	0	0	0	0	0	0	10	0	45	0	0	0	45
Description: Ceiling Panel Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-28	Multi	0	0	0	0	0	0	10	0	45	0	0	0	45
Description: Ceiling Panel Location: N/A Comments:														
Is asbestos present? No.													Analyzed: Yes	

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-29	Gray	0	0	0	0	0	3	0	0	0	0	0	0	97
Description: Caulking Location: N/A Comments:														
Is asbestos present? Yes.													Analyzed: Yes	

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-30		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Caulking Location: N/A Comments:														
													Analyzed: No	

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-31		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Caulking Location: N/A Comments:														
													Analyzed: No	

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-32	Multi	0	0	0	0	0	0	10	0	45	0	0	0	45
Description: Ceiling Panel Location: N/A Comments:														
Is asbestos present? No.													Analyzed: Yes	

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-33	Multi	0	0	0	0	0	0	10	0	45	0	0	0	45
Description: Ceiling Panel Location: N/A Comments:														
Is asbestos present? No.													Analyzed: Yes	

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-34	Multi	0	0	0	0	0	0	10	0	45	0	0	0	45
Description: Ceiling Panel Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-35	Gray	7	0	0	0	0	0	0	0	0	0	0	0	93
Description: Caulking Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-36		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Caulking Location: N/A Comments: Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-37		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Caulking Location: N/A Comments: Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-38	Gray	0	0	0	0	0	2	0	0	0	0	0	0	98
Description: Caulking Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-39		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Caulking Location: N/A Comments: Analyzed: No														

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-40		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Caulking Location: N/A Comments: Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-41	Multi	0	0	0	0	0	0	0	0	70	0	0	0	30
Description: Canvas Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-42	Multi	0	0	0	0	0	0	0	0	70	0	0	0	30
Description: Canvas Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-43	Multi	0	0	0	0	0	0	0	0	70	0	0	0	30
Description: Canvas Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-44	Gray	0	0	0	0	0	0	0	0	20	0	0	0	80
Description: Sink Undercoat Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-45	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-46	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-47	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-48	Multi	0	0	0	0	0	0	3	0	30	0	0	0	67
Description: Sheet Flooring Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-49	Multi	0	0	0	0	0	0	3	0	30	0	0	0	67
Description: Sheet Flooring Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-50	Brown	0	0	0	0	0	0	TR	0	10	0	0	0	90
Description: Sheet Flooring Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-51	Brown	0	0	0	0	0	0	TR	0	10	0	0	0	90
Description: Sheet Flooring Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-52	Brown	0	0	0	0	0	0	TR	0	10	0	0	0	90
Description: Sheet Flooring Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-53	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12" Floor Tile, Off-White Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-54	White	0	0	0	0	0	0	0	0	TR	0	0	0	100
Description: 12" Floor Tile, Off-White Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-53A	Yellow	0	0	0	0	0	0	0	0	3	0	0	0	97
Description: Mastic Associated with App. 25 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-54A	Yellow	0	0	0	0	0	0	0	0	TR	0	0	0	100
Description: Mastic Associated with App. 25 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-55	Brown	2	0	0	0	0	0	0	0	TR	0	0	0	98
Description: Adhesive Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-56		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Adhesive Location: N/A Comments: Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-57		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Adhesive Location: N/A Comments: Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-58	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Cove Base Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-59	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Cove Base Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-58A	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive associated with App. 28 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-59A	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive associated with App. 28 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-60	Pink	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12" Salmon Floor Tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-61	Pink	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12" Salmon Floor Tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-60A	Tan	0	0	0	0	0	0	0	0	2	0	0	0	98
Description: Mastic Associated with App. 30 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-61A	Tan	0	0	0	0	0	0	0	0	2	0	0	0	98
Description: Mastic Associated with App. 30 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-62	Brown	0	0	0	0	0	0	0	0	20	0	3	0	77
Description: Jute Back Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-63	Brown	0	0	0	0	0	0	0	0	20	0	3	0	77
Description: Jute Back Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-64	Black	30	0	0	0	0	0	0	0	0	0	0	0	70
Description: Jute Back Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-65	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12" Gray Floor Tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-66	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12" Gray Floor Tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-67	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12" Gray Floor Tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-65A	Lt. Brown	0	0	0	0	0	0	0	0	0	2	0	0	98
Description: Mastic Associated with App. 34 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-66A	Lt. Brown	0	0	0	0	0	0	0	0	0	2	0	0	98
Description: Mastic Associated with App. 34 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-67A	Lt. Brown	0	0	0	0	0	0	0	0	2	0	0	0	98
Description: Mastic Associated with App. 34 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-68	Lt. Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12" Blue Floor Tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-69	Lt. Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12" Blue Floor Tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-68A	Yellow	0	0	0	0	0	0	0	0	TR	0	0	0	100
Description: Mastic Associated with App. 36 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-69A	Yellow	0	0	0	0	0	0	TR	0	TR	0	0	0	100
Description: Mastic Associated with App. 36 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-70	White	0	0	0	0	0	0	2	0	5	0	0	0	93
Description: Sheetrock Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-71	White	0	0	0	0	0	0	2	0	5	0	0	0	93
Description: Sheetrock Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-72	White	0	0	0	0	0	0	2	0	5	0	0	0	93
Description: Sheetrock Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-70A		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Seam Tape Associated with App.39 Location: N/A Comments: Sample not Present. Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-71A		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Seam Tape Associated with App.39 Location: N/A Comments: Sample not Present. Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-72A		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Seam Tape Associated with App.39 Location: N/A Comments: Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-70B	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound Associated with App. 40 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-71B	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound Associated with App. 40 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-72B	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound Associated with App. 40 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-73	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Cove Base Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-74	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Cove Base Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-73A	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Associated with App. 42 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-74A	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Associated with App. 42 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-75	Gray	0	0	0	0	0	0	0	60	30	0	0	0	10
Description: Ceiling Panel Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-76	Gray	0	0	0	0	0	0	0	50	40	0	0	0	10
Description: Ceiling Panel Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-77	White	0	0	0	0	0	0	0	0	25	0	0	0	75
Description: Sink Undercoat Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-78	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Sheetrock Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-79	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Sheetrock Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-78A		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Sheetrock Location: N/A Comments: Sample not Present. Analyzed: No														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-79A		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Sheetrock Location: N/A Comments: Sample not Present.														Analyzed: No

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-78B	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound Associated with App. 47 Location: N/A Comments:														Analyzed: No

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-79B	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound Associated with App. 47 Location: N/A Comments: Is asbestos present? No.														Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-80	Gray	12	0	0	0	0	0	0	0	0	0	0	0	88
Description: Caulking Location: N/A Comments: Is asbestos present? Yes.														Analyzed: Yes

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-81		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Caulking Location: N/A Comments:														Analyzed: No

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-82		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Caulking Location: N/A Comments:														Analyzed: No

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-83	White	20	0	0	0	0	0	0	0	0	0	0	0	80
Description: Vinyl Sheet Flooring Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-84		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Vinyl Sheet Flooring Location: N/A Comments: Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-85	White	2	0	0	0	0	0	0	0	0	0	0	0	98
Description: Glazing Compound Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-86		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Glazing Compound Location: N/A Comments: Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-87		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Glazing Compound Location: N/A Comments: Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-88	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Sheetrock Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-89	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Sheetrock Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-90	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Sheetrock Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-88A	Yellow	0	0	0	0	0	0	0	0	100	0	0	0	0
Description: Seam Tape Associated with App. 52 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-89A	Yellow	0	0	0	0	0	0	0	0	90	0	0	0	10
Description: Seam Tape Associated with App. 52 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-90A	Yellow	0	0	0	0	0	0	0	0	90	0	0	0	10
Description: Seam Tape Associated with App. 52 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-88B	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound Associated with App. 53 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-89B	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound Associated with App. 53 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-90B	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound Associated with App. 53 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-91	Green	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Cove Base Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-92	Green	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Cove Base Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-91A	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Associated with App. 55 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-92A	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Adhesive Associated with App. 55 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-93	Gray	0	0	0	0	0	0	0	0	10	0	0	0	90
Description: Sheet Flooring Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-94	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Glazing Compound Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-95	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Glazing Compound Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-96	Gray	2	0	0	0	0	0	0	0	0	0	0	0	98
Description: Glazing Compound Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-97		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Glazing Compound Location: N/A Comments: Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-98		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Glazing Compound Location: N/A Comments: Analyzed: No														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-99	Black	2	0	0	0	0	0	0	0	0	0	0	0	98
Description: Glazing Compound Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-100	Gray	0	0	0	0	0	0	0	80	0	0	0	0	20
Description: Fireproofing Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-101	Gray	0	0	0	0	0	0	0	70	0	0	0	0	30
Description: Fireproofing Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-102	Gray	0	0	0	0	0	0	0	0	80	0	0	0	20
Description: Fireproofing Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-103	Gray	3	0	0	0	0	0	0	0	0	0	0	0	97
Description: Glazing Compound Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-104		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Glazing Compound Location: N/A Comments: Analyzed: No														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97543
 Date Sampled: N/A
 Date Received: 7/27/2015
 Date Analyzed: 7/31/2015
 Date of Report: 7/31/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-105		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Glazing Compound Location: N/A Comments: Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-106	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Glazing Compound Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-107	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Glazing Compound Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

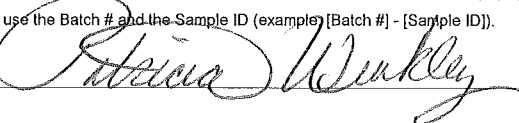
Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-108	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Glazing Compound Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Asbestos Codes: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthophyllite
 Non-Asbestos Codes: FBG = Fiberglass MNW = Mineral Wool CEL = Cellulose HAR = Hair SYN = Synthetic OTH = Other NON = Non-Fibrous Minerals

Note: To create a unique lab sample ID, use the Batch # and the Sample ID (example [Batch #] - [Sample ID]).

* All results are in percentage.

Analyst: Patricia Weakley





ProScience Analytical Services, Inc

Brian Day
Tighe & Bond, Worcester
446 Main St.
Worcester, MA 01608

August 07, 2015

Dear Brian Day,

The enclosed analytical results have been obtained by using the EPA/600/R-93/116 method. The "Visual Estimate" quantitative method is generally used for determining the percentage of asbestos and other components of the sample. "The Point Counting" method may also be used upon client request or at the analyst discretion. The Point Count method is usually recommended when the sample contains less than 10% asbestos by Visual estimate. Asbestos content less than 1% is recorded on the report as TR (trace).

The Quality Control data related to the samples analyzed is available upon client's written request. ProScience Analytical Services Inc., assumes no responsibility for potential sample contamination that may have occurred during the sample collection process or erroneous data provided by the client.

The enclosed results may not be used under any circumstances as product endorsement by any US government agency including NIST/NVLAP.

All Laboratory records are retained for at least three years unless otherwise directed in writing by the client. The actual samples are retained for a period of two months and written request is necessary in order to be retained for a longer period of time. All analytical results and records are considered strictly confidential and will not be released under any circumstances to anyone except the actual client. The analytical results included in this report apply only to the items tested.

If you have any questions please contact the Laboratory Manager or the Laboratory Director.

Sincerely,

Patricia Weakley, Optical Asbestos Manager

Aimee Cormier, Laboratory Director

Enclosure: Version 2
LAB BATCH ID: B 97606 CLIENT PROJECT ID: F01372
Client Ref: Erving Mill
AIHA ID# 102754; CT ID# PH-0209; MA ID# AA000156; ME ID# LB-055; ME ID# LA-056; NVLAP
Lab Code 200090-0; RI ID # AAL-093; VT ID# AL016876

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97606
 Date Sampled: 7/31/2015
 Date Received: 8/5/2015
 Date Analyzed: 8/7/2015
 Date of Report: 8/7/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-109	Gray	80	0	0	0	0	0	0	0	0	0	0	0	20
Description: Boiler Insulation Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-110		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Boiler Insulation Location: N/A Comments: Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-111	Gray	90	0	0	0	0	0	0	0	0	0	0	0	10
Description: Rope Insulation Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-112		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Rope Insulation Location: N/A Comments: Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-113	Tan	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Boiler Brick Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-114	Tan	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Boiler Brick Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97606
 Date Sampled: 7/31/2015
 Date Received: 8/5/2015
 Date Analyzed: 8/7/2015
 Date of Report: 8/7/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-115	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12" Off-White Floor Tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-116	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 12" Off-White Floor Tile Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-115A	Tan	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Mastec assoc. w/App. 4 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-116A	Tan	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Mastec assoc. w/App. 4 Location: N/A Comments: Is asbestos present? No. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-117	Gray	7	0	0	0	0	0	0	0	0	0	0	0	93
Description: Caulking Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-118		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Caulking Location: N/A Comments: Analyzed: No														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: N/A
 Client Project #: F01372
 Client Reference: Erving Mill
 Method: EPA/600/R-93/116

Batch: B97606
 Date Sampled: 7/31/2015
 Date Received: 8/5/2015
 Date Analyzed: 8/7/2015
 Date of Report: 8/7/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-119	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Roofing Location: N/A Comments:														
Is asbestos present? No.													Analyzed: Yes	

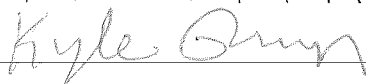
Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-120	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Roofing Location: N/A Comments:														
Is asbestos present? No.													Analyzed: Yes	

Asbestos Codes: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthophyllite
 Non-Asbestos Codes: FBG = Fiberglass MNW = Mineral Wool CEL = Cellulose HAR = Hair SYN = Synthetic OTH = Other NON = Non-Fibrous Minerals

Note: To create a unique lab sample ID, use the Batch # and the Sample ID (example: [Batch #] - [Sample ID]).

* All results are in percentage.

Analyst: Kyle Green



ProScience Analytical Services, Inc. www.proscience.net

22 Cummings Park, Woburn, MA 01801 T: 781-935-3212 F: 781-932-4857 general@proscience.net

TAT
(circle one)

3 Hours 6 Hours Same Day Next Day
2 Days 3 Days 4-5 Days Other

PASl Batch #

Client: Tighe & Bond

Address: 446 Main Street, Worcester, Ma

Project #: F01372 PO: _____

Project Site: Erving Mill

Contact: Brian Day

Tel. / Fax #:

Email: BFDave@tighebond.com

PLM

Chain of Custody
ver 4.2 Updated 8/10/11

Relinquished By: [Signature] Date: 8/14/15

Received By: [Signature] Date: 8/14/15

of Samples: 14 Analyzed: 10/14/14

Results: email fax verbal By: _____ Date: _____

Stop on first positive: Yes / No

Special Instructions:

Analyst / Date: Myke Quinn 8-7-15

QC by / Date: [Signature] 8/11/15

Sample ID	Date Sampled	Description / Location	Stereo Scope				Optical Properties				RI	Asbestos Percentage (%)						Non Asbestos Percentage (%)							
			SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation		Birefringence	Pleochroism	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other
A-109	7/31/15	Bowler Insulation	15	Grey	+			W 11 + W 11	1.519	1.518	80														
A-110		" "																							
A-111		ROPE INSULATION	70	Grey	+			W 11 + W 11	1.519	1.518	90														
A-112		" "																							
A-113		Bowler Back																							
A-114		" "																							

Comments: Birefringence L= less than .010, M=.011-.029, H= greater than .03. Microscope Olympus BH-2, Serial # circle 1- 242277, 229027, 235000, 230693 Lab uses the EPA or ELAP point count method as appropriate. SSAPE = Stereo Scope Ash. % Est. Lab Sample IDs: To form a lab sample id use Batch # - Sample ID.

ProScience Analytical Services, Inc. www.proscience.net

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TAT
(circle one)

3 Hours 6 Hours Same Day Next Day
2 Days 3 Days 4-5 Days Other

PASI Batch #

Client: **Tighe & Bond**

Address: 446 Main Street, Worcester, Ma

Project #: F01372 PO:

Project Site: Erving Mill

Contact: Brian Day

Tel. / Fax #:

Email: BFDave@tighebond.com

PLM

Chain of Custody
ver 4.2 Updated 8/10/11

Relinquished By: *[Signature]* Date: *8/14/15*
Received: *[Signature]* Date: *8/14/15*

of Samples Received: _____

Results: email fax verbal By: _____

Stop on first positive: Yes / No

Special Instructions:

Analyst / Date: *Mike Gurney 8-7-15* QC by / Date: _____

Sample ID	Date Sampled	Description / Location	Stere Scope				Optical Properties				RI		Asbestos Percentage (%)						Non Asbestos Percentage (%)								
			SSAPE	Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	Amosite	Crocidolite	Tremolite	Anthophyllite	Actinolite	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous
A-115	7/31/15	12" OFF WHITE FLOOR TILE APL. 4	Green																								100
A-116		" WASTE ASSOC. WITH APL. 4	Green																								100
A-115a		APL. 4	Green																								100
A-116a		"	Green																								100
A-117		CRACKING APL. 6	Green																								93
A-118		" DNA	Green																								100

Comments: Birefringence L= less than .010, M=.011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230663 Lab uses the EPA or ELAP point count method as appropriate. SSAPE = Stereoscope Asb. % Est.
Lab Sample IDs: To form a lab sample id use Batch # - Sample ID.



ProScience Analytical Services, Inc

Dan Dragon
Tighe & Bond, Worcester
446 Main St.
Worcester, MA 01608

September 22, 2015

Dear Dan Dragon,

The enclosed analytical results have been obtained by using the EPA/600/R-93/116 method. The "Visual Estimate" quantitative method is generally used for determining the percentage of asbestos and other components of the sample. "The Point Counting" method may also be used upon client request or at the analyst discretion. The Point Count method is usually recommended when the sample contains less than 10% asbestos by Visual estimate. Asbestos content less than 1% is recorded on the report as TR (trace).

The Quality Control data related to the samples analyzed is available upon client's written request. ProScience Analytical Services Inc., assumes no responsibility for potential sample contamination that may have occurred during the sample collection process or erroneous data provided by the client.

The enclosed results may not be used under any circumstances as product endorsement by any US government agency including NIST/NVLAP.

All Laboratory records are retained for at least three years unless otherwise directed in writing by the client. The actual samples are retained for a period of two months and written request is necessary in order to be retained for a longer period of time. All analytical results and records are considered strictly confidential and will not be released under any circumstances to anyone except the actual client. The analytical results included in this report apply only to the items tested.

If you have any questions please contact the Laboratory Manager or the Laboratory Director.

Sincerely,

Patricia Weakley, Optical Asbestos Manager

Aimee Cormier, Laboratory Director

Enclosure: Version 2
LAB BATCH ID: B 98162 CLIENT PROJECT ID: 15-137-2-06
Client Ref: Erving - IP Mill
AIHA ID# 102754; CT ID# PH-0209; MA ID# AA000156; ME ID# LB-055; ME ID# LA-056; NVLAP
Lab Code 200090-0; RI ID # AAL-093; VT ID# AL016876

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
 PO #: 15-137
 Client Project #: 15-137-2-06
 Client Reference: Erving - IP Mill
 Method: EPA/600/R-93/116

Batch: B98162
 Date Sampled: N/A
 Date Received: 9/22/2015
 Date Analyzed: 9/22/2015
 Date of Report: 9/22/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-121	Lt. Gray	80	0	0	0	0	0	0	0	TR	0	0	0	20
Description: Insulation Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-122	Black	2	0	0	0	0	0	0	0	TR	0	0	0	98
Description: Glazing Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-123		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Glazing Location: N/A Comments: Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-124		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Glazing Location: N/A Comments: Analyzed: No														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-125	Dk. Gray	3	0	0	0	0	0	0	0	TR	0	0	0	97
Description: Glazing Location: N/A Comments: Is asbestos present? Yes. Analyzed: Yes														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-126		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Glazing Location: N/A Comments: Analyzed: No														

ProScience Analytical Services, Inc.

Client Name: Tighe & Bond, Worcester
PO #: 15-137
Client Project #: 15-137-2-06
Client Reference: Erving - IP Mill
Method: EPA/600/R-93/116

Batch: B98162
Date Sampled: N/A
Date Received: 9/22/2015
Date Analyzed: 9/22/2015
Date of Report: 9/22/2015

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
A-127		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Glazing Location: N/A Comments:														Analyzed: No

Asbestos Codes: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthophyllite
Non-Asbestos Codes: FBG = Fiberglass MNW = Mineral Wool CEL = Cellulose HAR = Hair SYN = Synthetic OTH = Other NON = Non-Fibrous Minerals

Note: To create a unique lab sample ID, use the Batch # and the Sample ID (example: [Batch #] - [Sample ID]).

* All results are in percentage.

Analyst: Matthew Cleveland



ProScience Analytical Services, Inc. www.proscience.net

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TAT
(circle one)

3 Hours 6 Hours Same Day Next Day
2 Days 3 Days 4-5 Days Other _____

PASI Batch #
B98162

Client: Tighe & Bond Inc.

Address: 446 Main Street, Worcester, MA

Project #: 15-137-2-06 PO: 15-137

Project Site: ERVING - IP Mill

Contact: Dan Dragon

Tel / Fax #: 413-626-3833

Email: didragon@tighebond.com

PLM

Chain of Custody
ver 4.2 Updated 8/10/11

Relinquished By: _____ Date: 9/15/15

Received By: _____ Date: 9/22/15

of Samples Received: 7 Analyzed: 1020

Results: email fax verbal By: _____ Date: _____

Stop on first positive: Yes / No

Special Instructions:

Analyst / Date: _____ by / Date: _____

Sample ID	Date Sampled	Description / Location	SSAPE	Stereo Scope				Optical Properties				RI		Asbestos Percentage (%)						Non Asbestos Percentage (%)										
				Color	Homogeneity	Texture	Friable	Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism		⊥	Chrysotile	<div>Circle Type</div> <div>Amosite</div> <div>Crocidolite</div> <div>Tremolite</div> <div>Anthophyllite</div> <div>Actinolite</div>	Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous							
A-121		INSULATION	Application # 1	80 Y	Y	FY	FY	611				611 + LN	1.555	1.549	80															80
A-122		GLAZING	Application # 2	0 K	Y	B	Y	611				611 + MN	1.565	1.553	2															98
A-123		"	Application # 2																											
A-124		"	Application # 2																											
A-125		GLAZING	Application # 3	0 K	Y	B	Y	611				611 + MN	1.565	1.555	3															97
A-126		"	Application # 3																											

Comments: Birefringence L= less than .010, M= .011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # circle 1-242277, 229027, 235000, 230653 Lab uses the EPA or ELAP point count method as appropriate. SSAPE = Stereo Scope Asb. % Est.

Lab Sample IDs: To form a lab sample id use Batch # - Sample ID.

22 Cummings Park, Woburn, MA 01801 T: 781-935-3212 F: 781-932-4857 general@proscience.net

22 Cummings Park, Woburn, MA 01801 T: 781-935-3212 F: 781-932-4857 general@proscience.net

3 Hours 6 Hours Same Day Next Day
2 Days 3 Days 4-5 Days Other _____

TAT in bus. days - lab approval required for rush analysis

PAS1 Batch #

Tighe & Bond Inc.

446 Main Street, Worcester, MA

15-137-2-06

P.O. 131

M
P
Z
Z
U
-
H
O

Z
F

Dan Dragon

413-626-3833

djdragon@tighbond.com

Analyst / Date: W. J. [Signature] 9/22/15 QC by / Date:

Special Instructions:

Stop on first positive: ☒ Yes / ☐ No

Results: email fax verbal By: Date:

# of Samples	Received:	Analyzed:
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
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90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

Received By:  Date: _____

Relinquished By: [Signature] Date: 9/5/15

98162

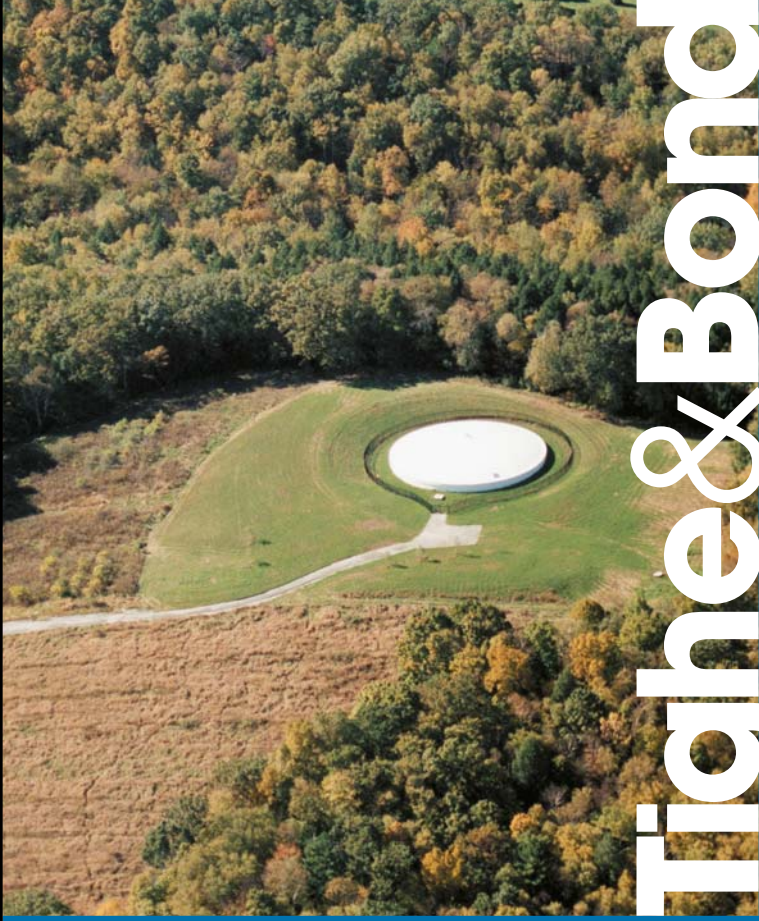
[illegible]

Comments: Birefringence L= less than .010, M= .011-.029, H= greater than .03; Microscope Olympus BH-2, Serial # Circle 1- 2-42277, 229927, 235000, 230653

Lab Sample IDs: To form a lab sample id use Batch # - Sample ID.

Lab uses the EPA or ELAP point count method as appropriate. SSAPE = Stereo Scope Asb. % Est.

Page 7 of 2



Tighe & Bond

Appendix C Hazardous Materials Schedule

Tighe & Bond

Project: Former International Paper Mill
Location: Erving, MA

Location	Waste Type	Container Type	Volume of Contents	Quantity	Comments
Building 1	Mercury	Fluorescent light tubes	-	465	Fluorescent light tubes range in length from 2' to 8' and include 'U' shape tubes.
Building 1	PCB	Ballast	-	240	Some ballasts stored in various areas.
Building 1	Lead source	Batteries	-	3	Batteries associated with the emergency light units.
Building 1	CO2 / monoammonium phosphate / ammonium sulfate	Fire extinguisher	Full	10	
Building 1	Refrigerant	Air conditioning unit	1 Gal	1	Refrigerant associated with window air conditioning units.
Building 1	Refrigerant	Air conditioning unit	1 Gal	1	Refrigerant associated with water cooler.
Building 1	Beryllium oxide	Microwave	-	2	
Shipping Dock	Oils	Dock levelers	10 Gal	2	
Building 2ADD/2A	Mercury	Fluorescent light tubes	-	510	Fluorescent light tubes range in length from 2' to 8' and include 'U' shape tubes.
Building 2ADD/2A	PCB	Ballast	-	260	Some ballasts stored in various areas.
Building 2ADD/2A	Lead source	Batteries	-	10	Batteries associated with the emergency light units.
Building 2ADD/2A	CO2 / monoammonium phosphate / ammonium sulfate	Fire extinguisher	Full	8	
Building 2ADD/2A	Lead source	Fork truck batteries	-	4	
Building 2ADD/2A	Lead / mercury	CRT's	-	80	CRT's associated with monitors and televisions.
Building 2B	Mercury	Fluorescent light tubes	-	4	Fluorescent light tubes range in length from 2' to 8' and include 'U' shape tubes.
Building 2B	PCB	Ballast	-	2	Some ballasts stored in various areas.

Appendix C Hazardous Materials Schedule

Tighe & Bond

Project: Former International Paper Mill
Location: Erving, MA

Location	Waste Type	Container Type	Volume of Contents	Quantity	Comments
Building 2B	Waste water	Plastic tank	-	1	(1) - 5'x5'x'5 plastic tank associated with bathroom toilet.
Building 2B	Oils	Dock levelers	10 Gal	2	
Building 2	Mercury	Fluorescent light tubes	-	460	Fluorescent light tubes range in length from 2' to 8' and include 'U' shape tubes.
Building 2	PCB	Ballast	-	320	Some ballasts stored in various areas.
Building 2	Lead source	Batteries	-	11	Batteries associated with the emergency light units.
Building 2	CO2 / monoammonium phosphate / ammonium sulfate	Fire extinguisher	Full	20	
Building 2	Oils	Dock levelers	10 Gal	10	
Building 2	Mercury	High intensity discharge lights / capacitors	-	1	HID light stored adjacent to stairwell.
Building 2	Poison	5 lb. Box	-	1	Stored adjacent to stairwell.
Building 3	Mercury	Fluorescent light tubes	-	120	Fluorescent light tubes range in length from 2' to 8' and include 'U' shape tubes.
Building 3	PCB	Ballast	-	60	Some ballasts stored in various areas.
Building 3	CO2 / monoammonium phosphate / ammonium sulfate	Fire extinguisher	Full	5	
Building 3	Mercury	High intensity discharge lights / capacitors	-	10	
Building 4, 5, 6 & 7	Mercury	Fluorescent light tubes	-	270	Fluorescent light tubes range in length from 2' to 8' and include 'U' shape tubes.
Building 4, 5, 6 & 7	PCB	Ballast	-	150	Some ballasts stored in various areas.
Building 4, 5, 6 & 7	Lead source	Batteries	-	16	Batteries associated with the emergency light units.

Appendix C Hazardous Materials Schedule

Tighe & Bond

Project: Former International Paper Mill
Location: Erving, MA

Location	Waste Type	Container Type	Volume of Contents	Quantity	Comments
Building 4, 5, 6 & 7	CO2 / monoammonium phosphate / ammonium sulfate	Fire extinguisher	Full	15	
Buildings 8A, 9, 9A, 9B & 10	Mercury	Fluorescent light tubes	-	410	Fluorescent light tubes range in length from 2' to 8' and include 'U' shape tubes.
Buildings 8A, 9, 9A, 9B & 10	PCB	Ballast	-	230	Some ballasts stored in various areas.
Buildings 8A, 9, 9A, 9B & 10	Lead source	Batteries	-	15	Batteries associated with the emergency light units.
Buildings 8A, 9, 9A, 9B & 10	CO2 / monoammonium phosphate / ammonium sulfate	Fire extinguisher	Full	38	
Buildings 8A, 9, 9A, 9B & 10	Oils	Elevator equipment	50 Gals	1	
Buildings 8A, 9, 9A, 9B & 10	Diesel fuel	Above Ground Storage Tank / Fuel Lines	350 Gal	1	
Stockhouse	Mercury	Fluorescent light tubes	-	65	Fluorescent light tubes range in length from 2' to 8' and include 'U' shape tubes.
Stockhouse	PCB	Ballast	-	35	Some ballasts stored in various areas.
Stockhouse	CO2 / monoammonium phosphate / ammonium sulfate	Fire extinguisher	Full	2	
Stockhouse	Oils	Industrial equipment	5 Gals	1	
Stockhouse	Oils	Dock levelers	10 Gal	2	
Pulp Receiving	Mercury	Fluorescent light tubes	-	24	Fluorescent light tubes range in length from 2' to 8' and include 'U' shape tubes.
Pulp Receiving	PCB	Ballast	-	12	Some ballasts stored in various areas.
Pulp Receiving	Lead source	Batteries	-	3	Batteries associated with the emergency light units.
Pulp Receiving	CO2 / monoammonium phosphate / ammonium sulfate	Fire extinguisher	Full	2	

Appendix C Hazardous Materials Schedule

Tighe & Bond

Project: Former International Paper Mill
Location: Erving, MA

Location	Waste Type	Container Type	Volume of Contents	Quantity	Comments
Pulp Receiving	Oils	Dock levers	10 Gal	2	
Building 12	Mercury	Fluorescent light tubes	-	85	Fluorescent light tubes range in length from 2' to 8' and include 'U' shape tubes.
Building 12	PCB	Ballast	-	42	Some ballasts stored in various areas.
Building 12 Exterior	PCB	Transformer	770 Gal	6	Exterior transformers assumed to contain PCB oils. Five transformers intact, one damaged and toppled over.
Building 8-Boiler Room	Mercury	Fluorescent light tubes	-	20	Fluorescent light tubes range in length from 2' to 8' and include 'U' shape tubes.
Building 8-Boiler Room	PCB	Ballast	-	10	Some ballasts stored in various areas.
Building 8-Boiler Room	CO2 / monoammonium phosphate / ammonium sulfate	Fire extinguisher	Full	2	
Building 8-Boiler Room	Mercury	Ampule	-	4	Mercoïd switches and thermostats.
Building 8-Boiler Room	Oils	Above Ground Storage Tank / Boiler Fuel Lines	350 Gal	1	
Building 17	PCB	Ballast	-	2	
Building 17	Mercury	Ampule	-	3	Mercoïd switches and thermostats.



Tighe & Bond

Appendix D PCB Building Material Wipe Sampling Results
Former International Paper Mill
Erving, MA

Client Sample	PCB-01	PCB-02	PCB-03	PCB-04	PCB-05
Material	Caulking	Caulking	Caulking	Caulking	Glazing
Sample Date	7/31/2015	7/31/2015	7/31/2015	7/31/2015	7/31/2015
Sample Location	Building 1 - Caulking between window frame and building façade	Building 1 - Caulking between window frame and building façade	Building 2 - Caulking between window frame and building façade	Building 2ADD/2A - Caulking between window frame and building façade	Building 2 - Window glazing compounds
Polychlorinated Biphenyls (PCB)					
Aroclor 1016	ND	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND	ND
Aroclor 1260	ND	ND	ND	ND	ND
Aroclor 1262	ND	ND	ND	ND	ND
Aroclor 1268	ND	ND	ND	ND	ND

Results reported in micrograms per wipe (ug/wipe)

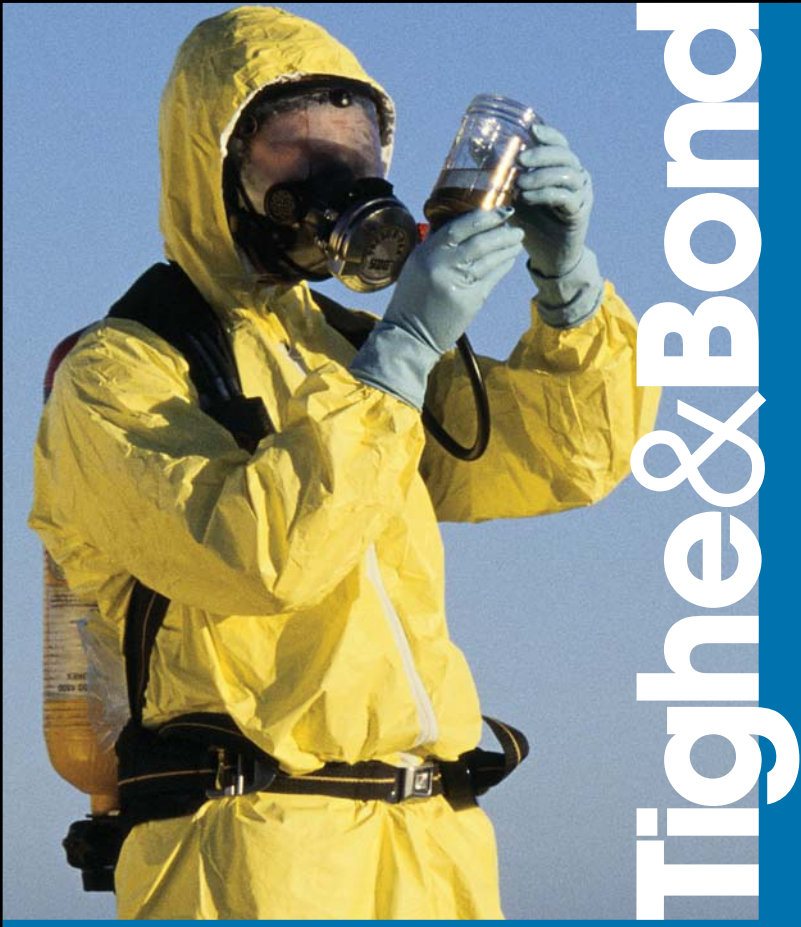
PCB-06

Glazing

7/31/2015

Building 4, 5, 6 & 7 -
Window glazing
compounds

ND
ND
ND
ND
ND
ND
ND
ND
ND
ND



Tighe & Bond



CERTIFICATE OF ANALYSIS

Dan Dragon
Tighe & Bond
4 Barlows Landing Road, Unit 15
Pocasset, MA 02559

RE: IP Mill Erving (15-137)
ESS Laboratory Work Order Number: 1508088

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED

By ESS Laboratory at 4:24 pm, Aug 13, 2015

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.



CERTIFICATE OF ANALYSIS

Client Name: Tighe & Bond
Client Project ID: IP Mill Erving

ESS Laboratory Work Order: 1508088

SAMPLE RECEIPT

The following samples were received on August 05, 2015 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	Sample Name	Matrix	Analysis
1508088-01	PCB-01	Wipe	8082A
1508088-02	PCB-02	Wipe	8082A
1508088-03	PCB-03	Wipe	8082A
1508088-04	PCB-04	Wipe	8082A
1508088-05	PCB-05	Wipe	8082A
1508088-06	PCB-06	Wipe	8082A



CERTIFICATE OF ANALYSIS

Client Name: Tighe & Bond
Client Project ID: IP Mill Erving

ESS Laboratory Work Order: 1508088

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

DATA USABILITY LINKS

[Definitions of Quality Control Parameters](#)
[Semivolatile Organics Internal Standard Information](#)
[Semivolatile Organics Surrogate Information](#)
[Volatile Organics Internal Standard Information](#)
[Volatile Organics Surrogate Information](#)
[EPH and VPH Alkane Lists](#)



CERTIFICATE OF ANALYSIS

Client Name: Tighe & Bond
Client Project ID: IP Mill Erving

ESS Laboratory Work Order: 1508088

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015D - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH / VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.



CERTIFICATE OF ANALYSIS

Client Name: Tighe & Bond
Client Project ID: IP Mill Erving
Client Sample ID: PCB-01
Date Sampled: 07/31/15 10:00
Percent Solids: N/A
Initial Volume: 1
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1508088
ESS Laboratory Sample ID: 1508088-01
Sample Matrix: Wipe
Units: ug/Wipe
Analyst: IBM
Prepared: 8/6/15 18:30

8082A Polychlorinated Biphenyls (PCB)

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Aroclor 1016	ND (1.0)		8082A		1	08/07/15 18:52		CH50624
Aroclor 1221	ND (1.0)		8082A		1	08/07/15 18:52		CH50624
Aroclor 1232	ND (1.0)		8082A		1	08/07/15 18:52		CH50624
Aroclor 1242	ND (1.0)		8082A		1	08/07/15 18:52		CH50624
Aroclor 1248	ND (1.0)		8082A		1	08/07/15 18:52		CH50624
Aroclor 1254	ND (1.0)		8082A		1	08/07/15 18:52		CH50624
Aroclor 1260	ND (1.0)		8082A		1	08/07/15 18:52		CH50624
Aroclor 1262	ND (1.0)		8082A		1	08/07/15 18:52		CH50624
Aroclor 1268	ND (1.0)		8082A		1	08/07/15 18:52		CH50624

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>96 %</i>		<i>30-150</i>
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>86 %</i>		<i>30-150</i>
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>87 %</i>		<i>30-150</i>
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>97 %</i>		<i>30-150</i>



CERTIFICATE OF ANALYSIS

Client Name: Tighe & Bond
Client Project ID: IP Mill Erving
Client Sample ID: PCB-02
Date Sampled: 07/31/15 10:30
Percent Solids: N/A
Initial Volume: 1
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1508088
ESS Laboratory Sample ID: 1508088-02
Sample Matrix: Wipe
Units: ug/Wipe
Analyst: IBM
Prepared: 8/6/15 18:30

8082A Polychlorinated Biphenyls (PCB)

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Aroclor 1016	ND (1.0)		8082A		1	08/07/15 19:11		CH50624
Aroclor 1221	ND (1.0)		8082A		1	08/07/15 19:11		CH50624
Aroclor 1232	ND (1.0)		8082A		1	08/07/15 19:11		CH50624
Aroclor 1242	ND (1.0)		8082A		1	08/07/15 19:11		CH50624
Aroclor 1248	ND (1.0)		8082A		1	08/07/15 19:11		CH50624
Aroclor 1254	ND (1.0)		8082A		1	08/07/15 19:11		CH50624
Aroclor 1260	ND (1.0)		8082A		1	08/07/15 19:11		CH50624
Aroclor 1262	ND (1.0)		8082A		1	08/07/15 19:11		CH50624
Aroclor 1268	ND (1.0)		8082A		1	08/07/15 19:11		CH50624

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>99 %</i>		<i>30-150</i>
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>97 %</i>		<i>30-150</i>
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>92 %</i>		<i>30-150</i>
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>101 %</i>		<i>30-150</i>



CERTIFICATE OF ANALYSIS

Client Name: Tighe & Bond
Client Project ID: IP Mill Erving
Client Sample ID: PCB-03
Date Sampled: 07/31/15 11:00
Percent Solids: N/A
Initial Volume: 1
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1508088
ESS Laboratory Sample ID: 1508088-03
Sample Matrix: Wipe
Units: ug/Wipe
Analyst: IBM
Prepared: 8/6/15 18:30

8082A Polychlorinated Biphenyls (PCB)

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Aroclor 1016	ND (1.0)		8082A		1	08/07/15 19:30		CH50624
Aroclor 1221	ND (1.0)		8082A		1	08/07/15 19:30		CH50624
Aroclor 1232	ND (1.0)		8082A		1	08/07/15 19:30		CH50624
Aroclor 1242	ND (1.0)		8082A		1	08/07/15 19:30		CH50624
Aroclor 1248	ND (1.0)		8082A		1	08/07/15 19:30		CH50624
Aroclor 1254	ND (1.0)		8082A		1	08/07/15 19:30		CH50624
Aroclor 1260	ND (1.0)		8082A		1	08/07/15 19:30		CH50624
Aroclor 1262	ND (1.0)		8082A		1	08/07/15 19:30		CH50624
Aroclor 1268	ND (1.0)		8082A		1	08/07/15 19:30		CH50624

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: Decachlorobiphenyl</i>	83 %		30-150
<i>Surrogate: Decachlorobiphenyl [2C]</i>	71 %		30-150
<i>Surrogate: Tetrachloro-m-xylene</i>	76 %		30-150
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	91 %		30-150



CERTIFICATE OF ANALYSIS

Client Name: Tighe & Bond
Client Project ID: IP Mill Erving
Client Sample ID: PCB-04
Date Sampled: 07/31/15 11:15
Percent Solids: N/A
Initial Volume: 1
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1508088
ESS Laboratory Sample ID: 1508088-04
Sample Matrix: Wipe
Units: ug/Wipe
Analyst: IBM
Prepared: 8/6/15 18:30

8082A Polychlorinated Biphenyls (PCB)

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Aroclor 1016	ND (1.0)		8082A		1	08/07/15 19:49		CH50624
Aroclor 1221	ND (1.0)		8082A		1	08/07/15 19:49		CH50624
Aroclor 1232	ND (1.0)		8082A		1	08/07/15 19:49		CH50624
Aroclor 1242	ND (1.0)		8082A		1	08/07/15 19:49		CH50624
Aroclor 1248	ND (1.0)		8082A		1	08/07/15 19:49		CH50624
Aroclor 1254	ND (1.0)		8082A		1	08/07/15 19:49		CH50624
Aroclor 1260	ND (1.0)		8082A		1	08/07/15 19:49		CH50624
Aroclor 1262	ND (1.0)		8082A		1	08/07/15 19:49		CH50624
Aroclor 1268	ND (1.0)		8082A		1	08/07/15 19:49		CH50624

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>88 %</i>		<i>30-150</i>
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>83 %</i>		<i>30-150</i>
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>85 %</i>		<i>30-150</i>
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>84 %</i>		<i>30-150</i>



CERTIFICATE OF ANALYSIS

Client Name: Tighe & Bond
Client Project ID: IP Mill Erving
Client Sample ID: PCB-05
Date Sampled: 07/31/15 11:30
Percent Solids: N/A
Initial Volume: 1
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1508088
ESS Laboratory Sample ID: 1508088-05
Sample Matrix: Wipe
Units: ug/Wipe
Analyst: IBM
Prepared: 8/6/15 18:30

8082A Polychlorinated Biphenyls (PCB)

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Aroclor 1016	ND (1.0)		8082A		1	08/07/15 20:08		CH50624
Aroclor 1221	ND (1.0)		8082A		1	08/07/15 20:08		CH50624
Aroclor 1232	ND (1.0)		8082A		1	08/07/15 20:08		CH50624
Aroclor 1242	ND (1.0)		8082A		1	08/07/15 20:08		CH50624
Aroclor 1248	ND (1.0)		8082A		1	08/07/15 20:08		CH50624
Aroclor 1254	ND (1.0)		8082A		1	08/07/15 20:08		CH50624
Aroclor 1260	ND (1.0)		8082A		1	08/07/15 20:08		CH50624
Aroclor 1262	ND (1.0)		8082A		1	08/07/15 20:08		CH50624
Aroclor 1268	ND (1.0)		8082A		1	08/07/15 20:08		CH50624

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
Surrogate: Decachlorobiphenyl	94 %		30-150
Surrogate: Decachlorobiphenyl [2C]	88 %		30-150
Surrogate: Tetrachloro-m-xylene	85 %		30-150
Surrogate: Tetrachloro-m-xylene [2C]	96 %		30-150



CERTIFICATE OF ANALYSIS

Client Name: Tighe & Bond
Client Project ID: IP Mill Erving
Client Sample ID: PCB-06
Date Sampled: 07/31/15 12:00
Percent Solids: N/A
Initial Volume: 1
Final Volume: 10
Extraction Method: 3540

ESS Laboratory Work Order: 1508088
ESS Laboratory Sample ID: 1508088-06
Sample Matrix: Wipe
Units: ug/Wipe
Analyst: IBM
Prepared: 8/6/15 18:30

8082A Polychlorinated Biphenyls (PCB)

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Aroclor 1016	ND (1.0)		8082A		1	08/07/15 20:28		CH50624
Aroclor 1221	ND (1.0)		8082A		1	08/07/15 20:28		CH50624
Aroclor 1232	ND (1.0)		8082A		1	08/07/15 20:28		CH50624
Aroclor 1242	ND (1.0)		8082A		1	08/07/15 20:28		CH50624
Aroclor 1248	ND (1.0)		8082A		1	08/07/15 20:28		CH50624
Aroclor 1254	ND (1.0)		8082A		1	08/07/15 20:28		CH50624
Aroclor 1260	ND (1.0)		8082A		1	08/07/15 20:28		CH50624
Aroclor 1262	ND (1.0)		8082A		1	08/07/15 20:28		CH50624
Aroclor 1268	ND (1.0)		8082A		1	08/07/15 20:28		CH50624

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: Decachlorobiphenyl</i>	<i>102 %</i>		<i>30-150</i>
<i>Surrogate: Decachlorobiphenyl [2C]</i>	<i>100 %</i>		<i>30-150</i>
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>92 %</i>		<i>30-150</i>
<i>Surrogate: Tetrachloro-m-xylene [2C]</i>	<i>104 %</i>		<i>30-150</i>



CERTIFICATE OF ANALYSIS

Client Name: Tighe & Bond
Client Project ID: IP Mill Erving

ESS Laboratory Work Order: 1508088

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082A Polychlorinated Biphenyls (PCB)										
Batch CH50624 - 3540										
Blank										
Aroclor 1016	ND	1.0	ug/Wipe							
Aroclor 1221	ND	1.0	ug/Wipe							
Aroclor 1232	ND	1.0	ug/Wipe							
Aroclor 1242	ND	1.0	ug/Wipe							
Aroclor 1248	ND	1.0	ug/Wipe							
Aroclor 1254	ND	1.0	ug/Wipe							
Aroclor 1260	ND	1.0	ug/Wipe							
Aroclor 1262	ND	1.0	ug/Wipe							
Aroclor 1268	ND	1.0	ug/Wipe							
Surrogate: Decachlorobiphenyl	0.470		ug/Wipe	0.5000		94	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.456		ug/Wipe	0.5000		91	30-150			
Surrogate: Tetrachloro-m-xylene	0.482		ug/Wipe	0.5000		96	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.428		ug/Wipe	0.5000		86	30-150			
LCS										
Aroclor 1016	9.2	1.0	ug/Wipe	10.00		92	40-140			
Aroclor 1260	8.7	1.0	ug/Wipe	10.00		87	40-140			
Surrogate: Decachlorobiphenyl	0.447		ug/Wipe	0.5000		89	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.438		ug/Wipe	0.5000		88	30-150			
Surrogate: Tetrachloro-m-xylene	0.495		ug/Wipe	0.5000		99	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.468		ug/Wipe	0.5000		94	30-150			
LCS Dup										
Aroclor 1016	8.5	1.0	ug/Wipe	10.00		85	40-140	8	20	
Aroclor 1260	8.2	1.0	ug/Wipe	10.00		82	40-140	6	20	
Surrogate: Decachlorobiphenyl	0.418		ug/Wipe	0.5000		84	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.409		ug/Wipe	0.5000		82	30-150			
Surrogate: Tetrachloro-m-xylene	0.446		ug/Wipe	0.5000		89	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.420		ug/Wipe	0.5000		84	30-150			



CERTIFICATE OF ANALYSIS

Client Name: Tighe & Bond
Client Project ID: IP Mill Erving

ESS Laboratory Work Order: 1508088

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte
SUB	Subcontracted analysis; see attached report



CERTIFICATE OF ANALYSIS

Client Name: Tighe & Bond
Client Project ID: IP Mill Erving

ESS Laboratory Work Order: 1508088

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179

<http://www.health.ri.gov/find/labs/analytical/ESS.pdf>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750

http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutOfStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002

<http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/documents/AllLabs.xls>

Massachusetts Potable and Non Potable Water: M-RI002

<http://public.dep.state.ma.us/Labcert/Labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424

<http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm>

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313

<http://www.wadsworth.org/labcert/elap/comm.html>

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006

http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752

http://www.depweb.state.pa.us/portal/server.pt/community/labs/13780/laboratory_accreditation_program/590095

Sample and Cooler Receipt ChecklistClient: Tighe & Bond

Client Project ID: _____

Shipped/Delivered Via: ESS CourierESS Project ID: 15080088Date Project Due: 8/12/2015 8/13/15Days For Project: 5 Day**Items to be checked upon receipt:**

1. Air Bill Manifest Present?

☐ * No

Air No.: _____

2. Were Custody Seals Present?

☐ No

3. Were Custody Seals Intact?

☐ N/A

4. Is Radiation count < 100 CPM?

☐ Yes

5. Is a cooler present?

☐ YesCooler Temp: 2.4Iced With: Ice

6. Was COC included with samples?

☐ Yes

7. Was COC signed and dated by client?

☐ Yes

8. Does the COC match the sample

☐ Yes

9. Is COC complete and correct?

☐ Yes

10. Are the samples properly preserved?

☐ Yes

11. Proper sample containers used?

☐ Yes

12. Any air bubbles in the VOA vials?

☐ N/A

13. Holding times exceeded?

☐ No

14. Sufficient sample volumes?

☐ Yes

15. Any Subcontracting needed?

☐ No16. Are ESS labels on correct containers? ☒ Yes ☐ No

17. Were samples received intact?

☒ Yes ☐ No

ESS Sample IDs: _____

Sub Lab: _____

Analysis: _____

TAT: _____

18. Was there need to call project manager to discuss status? If yes, please explain.

Who was called?: _____

By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	4 oz Soil Jar	1	Hexane
2	Yes	4 oz Soil Jar	1	Hexane
3	Yes	4 oz Soil Jar	1	Hexane
4	Yes	4 oz Soil Jar	1	Hexane
5	Yes	4 oz Soil Jar	1	Hexane
6	Yes	4 oz Soil Jar	1	Hexane

Completed By: M. M. M.Date/Time: 8/15/15 1933Reviewed By: N. RoseDate/Time: 8/16/15 0730

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time If faster than 5 days, prior approval by laboratory is required #	Reporting Limits ESS LAB PROJECT ID 1508088
State where samples were collected from: MA RI CT NH NJ NY ME Other	Electronic Deliverable X Yes ___ No
Is this project for any of the following: MA-MCP* Navy USACE Other TSCA	Format PDF

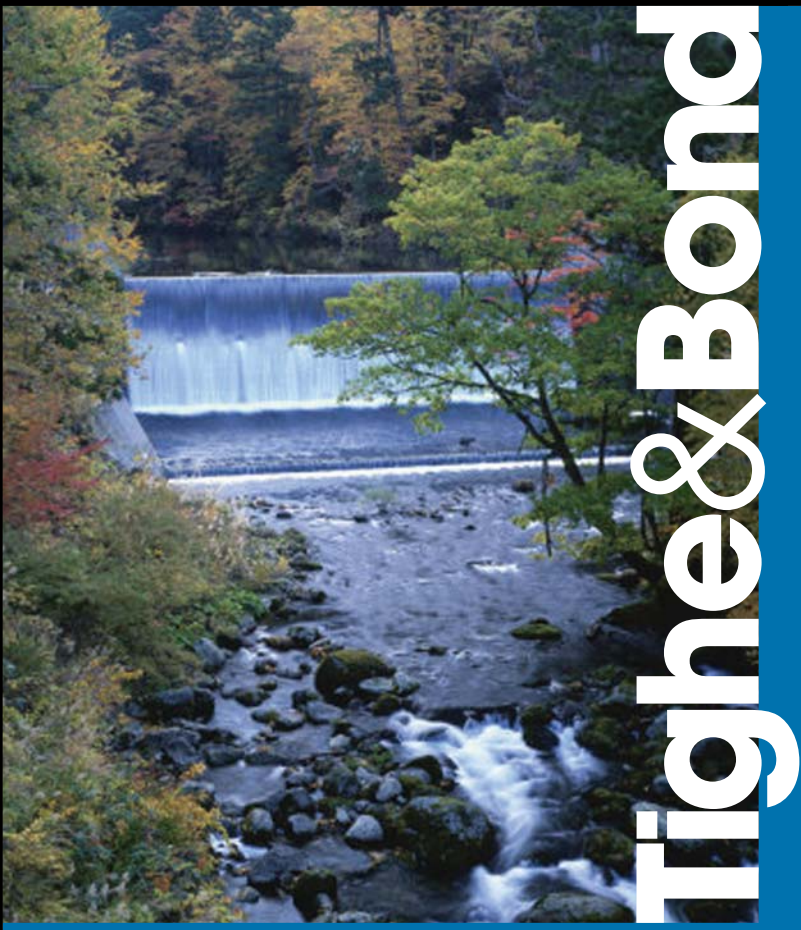
Co. Name TIGHE & BOND		Project # 15-137		Project Name (20 Char. or less) IP MILL, ERVING											
Contact Person DAN DRAGON		Address 446 LAW ST.		City Worcester											
State MA		Zip 01608		PO# 15-137											
Telephone # 413 626 3833		Fax #		Email Address DIDRAGON@TIGHEBOND.COM											
ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Number of Containers	Type of Containers	8021 MTBB/BTEX GRO	8100 DRO EPH	8081 Pesticides PCB	8082 Pesticides PCB	PAH only	RCRA5 RCRA8 PP13 TAL23	TCLP8 MCP MCPw/Hg NBC7
	7.31.15	1000		✓W		PCB-01	1	6			X	X			
	7.31.15	1030		✓W		PCB-02	1	6			X	X			
	7.31.15	1100		✓W		PCB-03	1	6			X	X			
	7.31.15	1115		✓W		PCB-04	1	6			X	X			
	7.31.15	1130		✓W		PCB-05	1	6			X	X			
	7.31.15	1200		✓W		PCB-06	1	6			X	X			

Container Type: P-Poly G-Glass S-Sterile V-VOA		Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters	
Cooler Present	Seals Intact	Cooler Temp: 24	Internal Use Only
Yes	Yes	Yes	No
Yes	No	No	No
Comments: SOXHALET EXTRACTION DL < 10ppm			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[Signature]	8-5-15 17:17	m-mid	8/5/15 1932
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[Signature]	8-5-15 13:40	[Signature]	

*MADEP requires that all additional calibrated analytes found during analysis be disclosed.

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

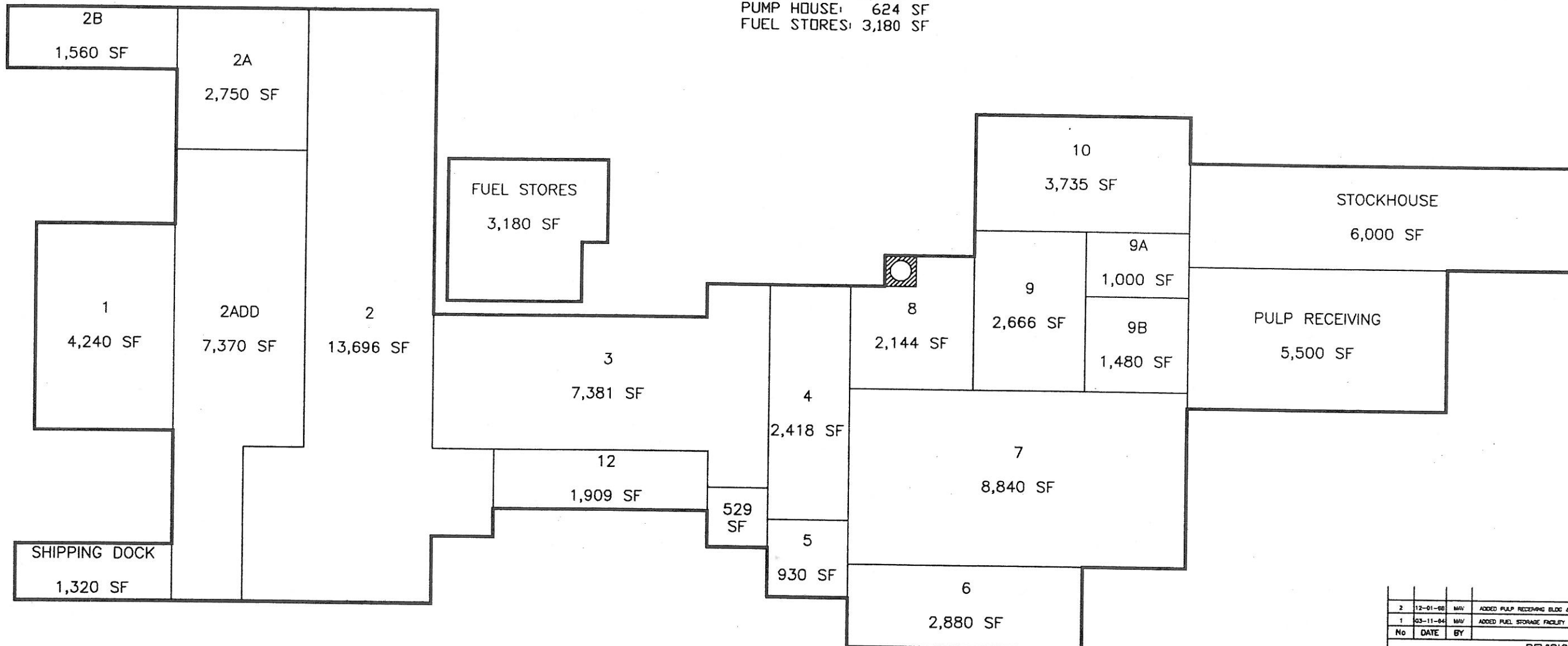


MILLERS FALLS

AREA = 82,152 S.F.



MILL AREA: 8,348 SF
PUMP HOUSE: 624 SF
FUEL STORES: 3,180 SF



NOTE: LAYOUT WAS BASED ON FACTORY MUTUAL DRAWING

No	DATE	BY	DESCRIPTION
2	12-01-88	MAV	ADDED PULP RECEIVING BLDG & RECALCULATED AREAS
1	03-11-84	MAV	ADDED FUEL STORAGE FACILITY

REVISIONS	
No	DESCRIPTION
1	ADDED PULP RECEIVING BLDG & RECALCULATED AREAS
2	ADDED FUEL STORAGE FACILITY

CONFIDENTIAL

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INTERNATIONAL PAPER

STRATHMORE ENGINEERING, WESTFIELD, MA.

ENGR. PROJ. No. NONE C & R JOB No.

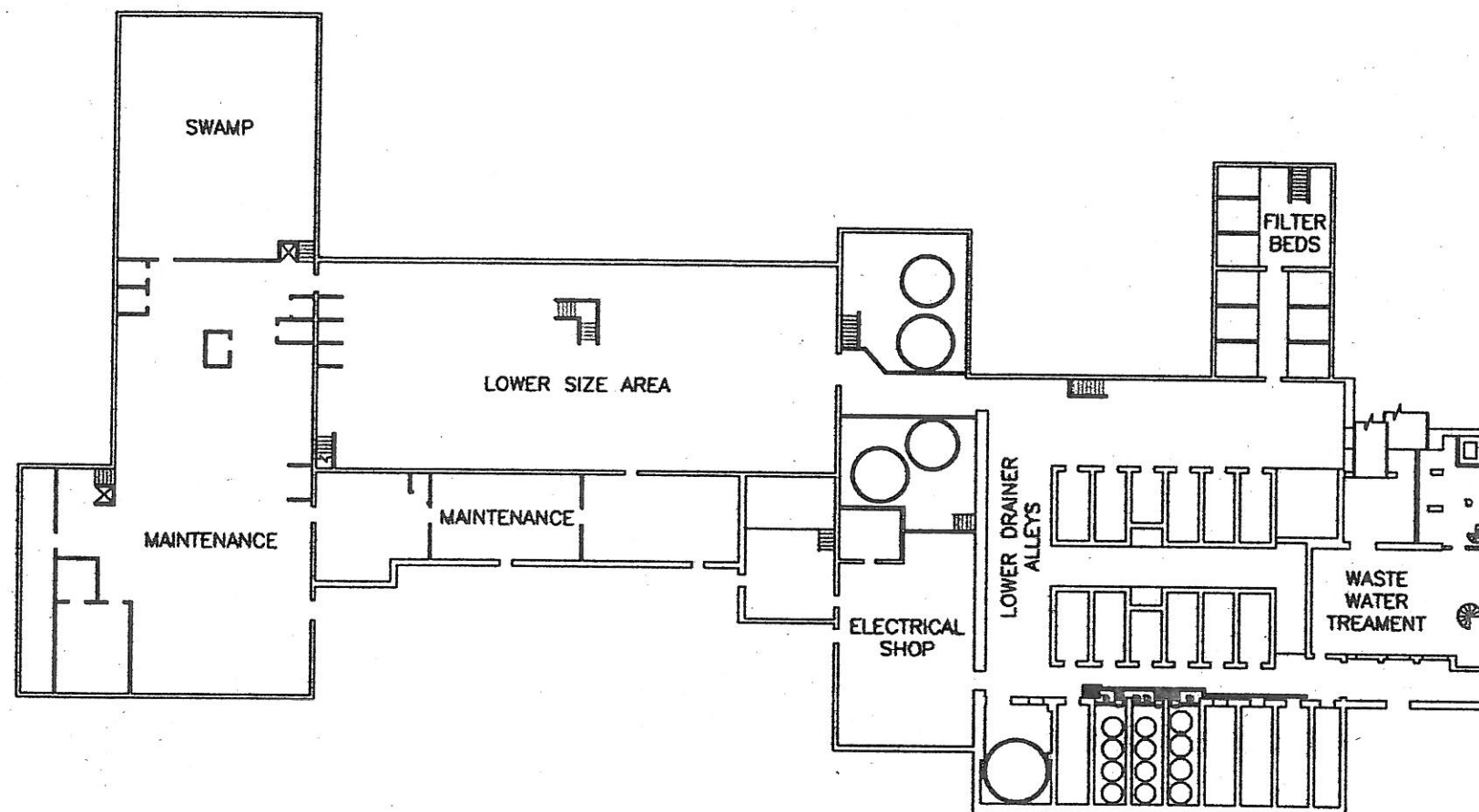
ROOF LINE
AREA CALCULATION OF BUILDINGS

BLDG(S)	ALL	FLOOR(S)	ROOF	MILLERS FALLS
SCALE	1"=20'-0"	ENGR		
DRN	MAY 06-04-83	MAV		
DSGN		MGR		

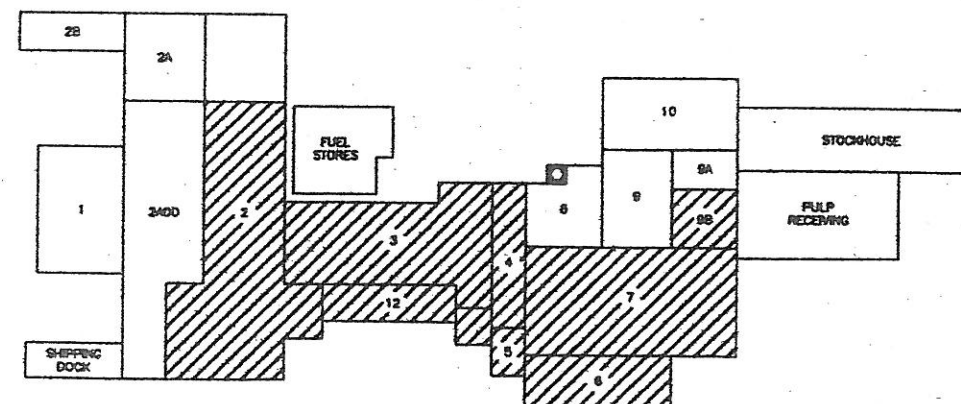
STRATHMORE ENGINEERING DRAWING NO. MF-395-1

TOLERANCES
DIMENSIONS
± .1
XX ± .01
XXX ± .005
FRACTIONS ± 1/64
ANGLES
REMOVE SHARP EDGES
AND BLURPS
25.4 MM = 1 INCH
CAD 1:1

DO NOT REMOVE ORIGINAL FROM PLANFILE



PAPER STORAGE TALLY
NONE

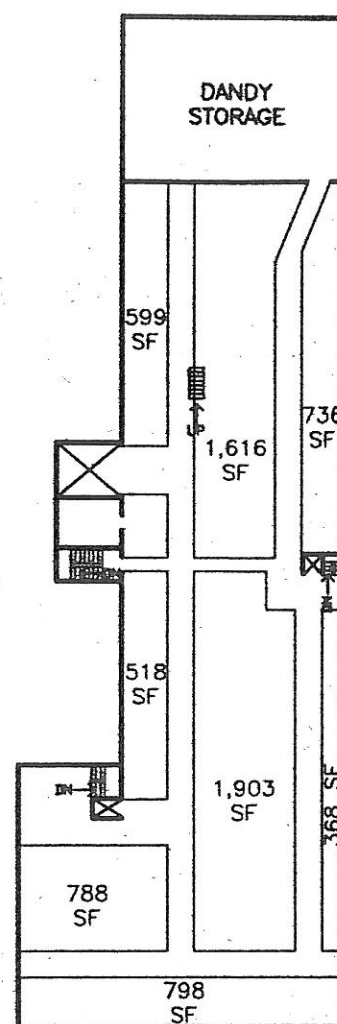


KEY MAP
SCALE: NTS

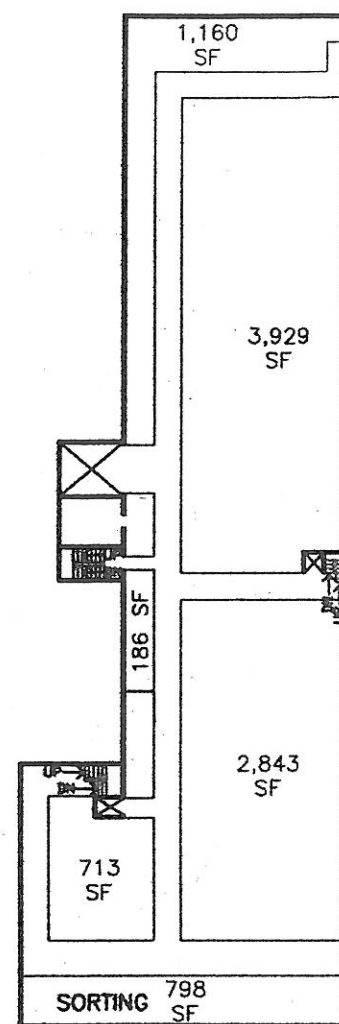
TOLERANCES	
LENGTHS	± 0.1
WIDTHS	± 0.1
HEIGHTS	± 0.1
ANGLES	± 1/16
REMOVE SHARP EDGES	
REMOVE BURRS	
25.4 MM ± 1 INCH	
0.00 1-1	

No.	DATE	BY	DESCRIPTION
REVISIONS			
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INTERNATIONAL PAPER			
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ENGR. PROJ. No.	REVISE	C & R JOB No.	
PAPER STORAGE AREAS BASEMENT			
FLOOR(S) 0			
MILLERS FALLS			
SCALE	1"=20'-0"	ENGR	DRAWING No.
DRN	MAY 33-24-85	MOR	REV.
DSGN		MOR	PROC.
STRATHMORE ENGINEERING DRAWING NO.			
MF-531-7			

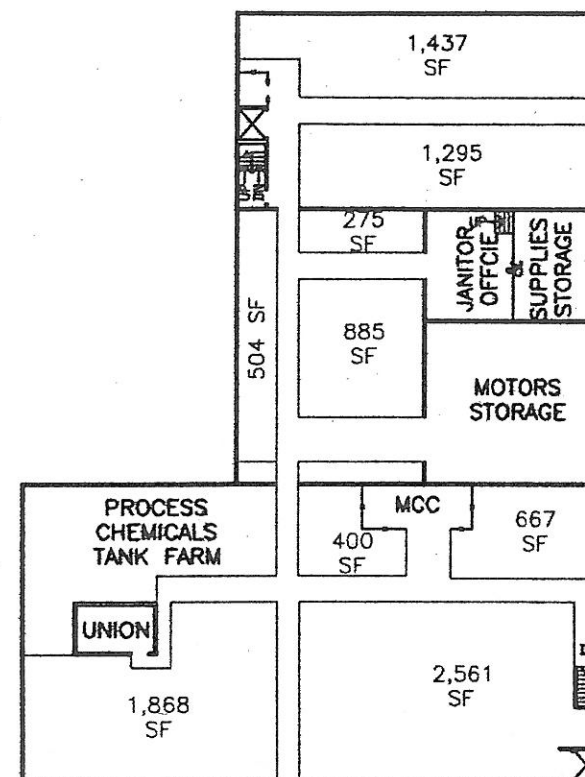
DO NOT REMOVE ORIGINAL FROM PLANT



4th FLOOR

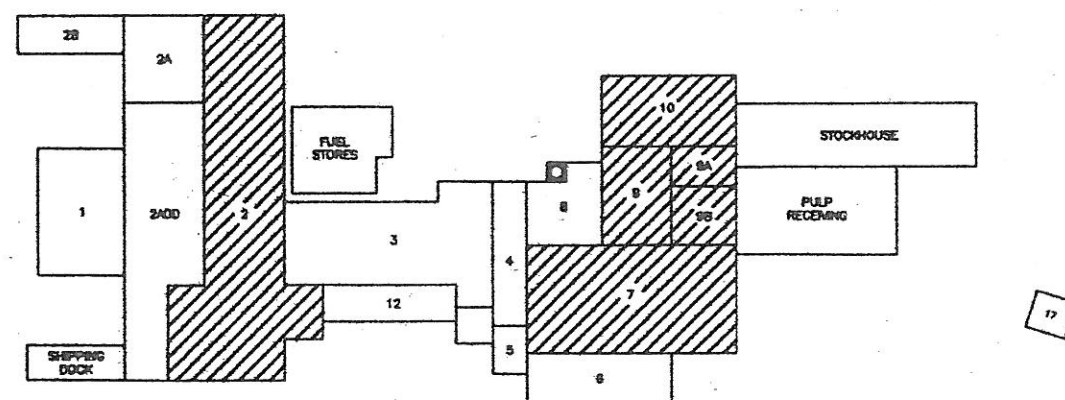


3rd FLOOR



3rd FLOOR

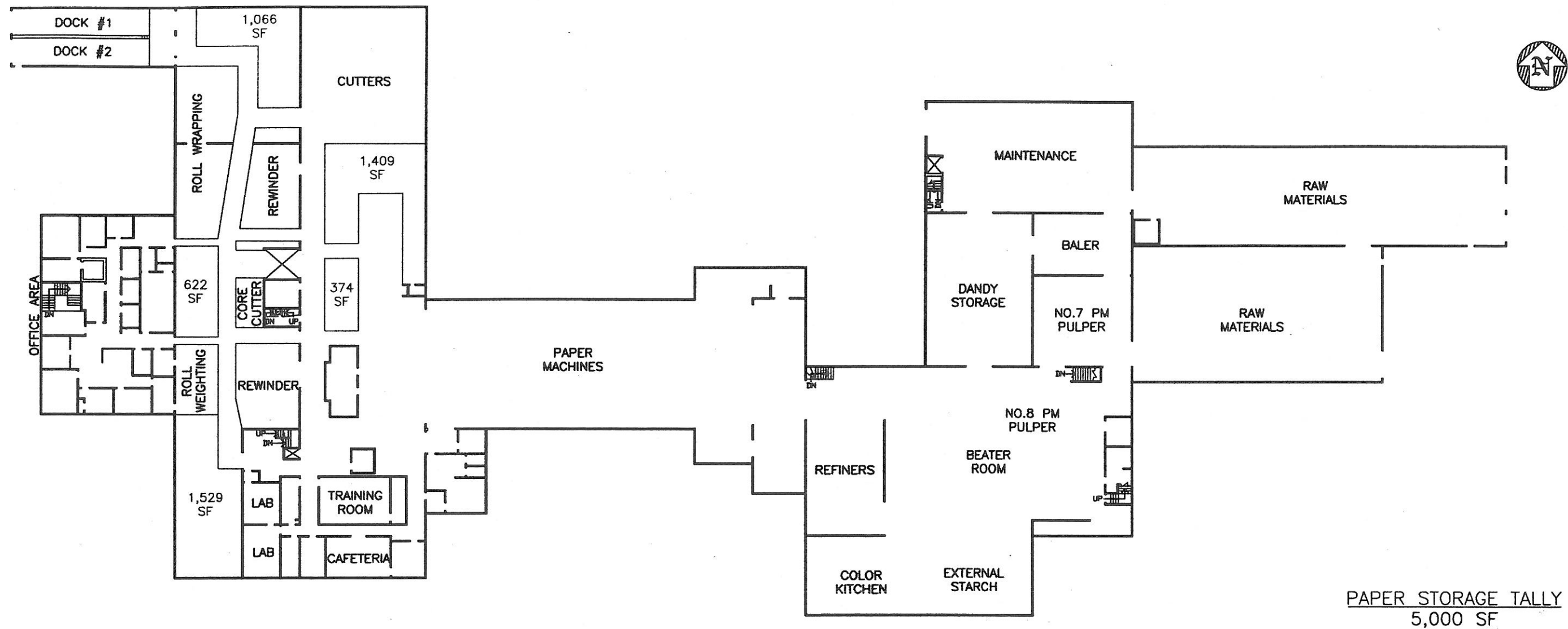
PAPER STORAGE TALLY
3RD FLOOR 19,521 SF
4TH FLOOR 7,326 SF



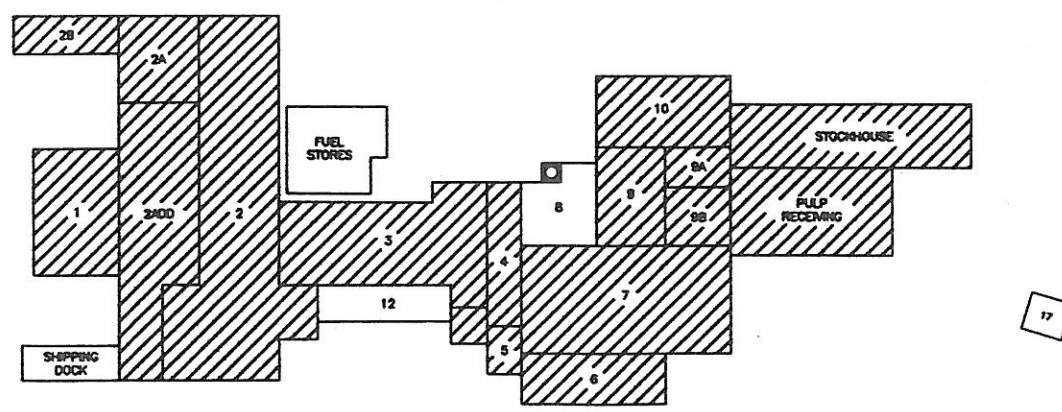
KEY MAP
SCALE: NTS

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REVISIONS			
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INTERNATIONAL PAPER			
STRATHMORE ENGINEERING, WESTFIELD, MA			
ENGR. PROJ. No. NONE C & R JOB No.			
PAPER STORAGE AREAS 3RD & 4TH FLOORS			
TOLERANCES			
DIMENSIONS			
SCALE 1"=30'-0"			
ENGR. MAY 23-24-01			
DSGN MAY 23-24-01			
STRATHMORE ENGINEERING DRAWING NO. MF-531-10			

DO NOT REMOVE ORIGINAL FROM PLANFILE



PAPER STORAGE TALLY
5,000 SF

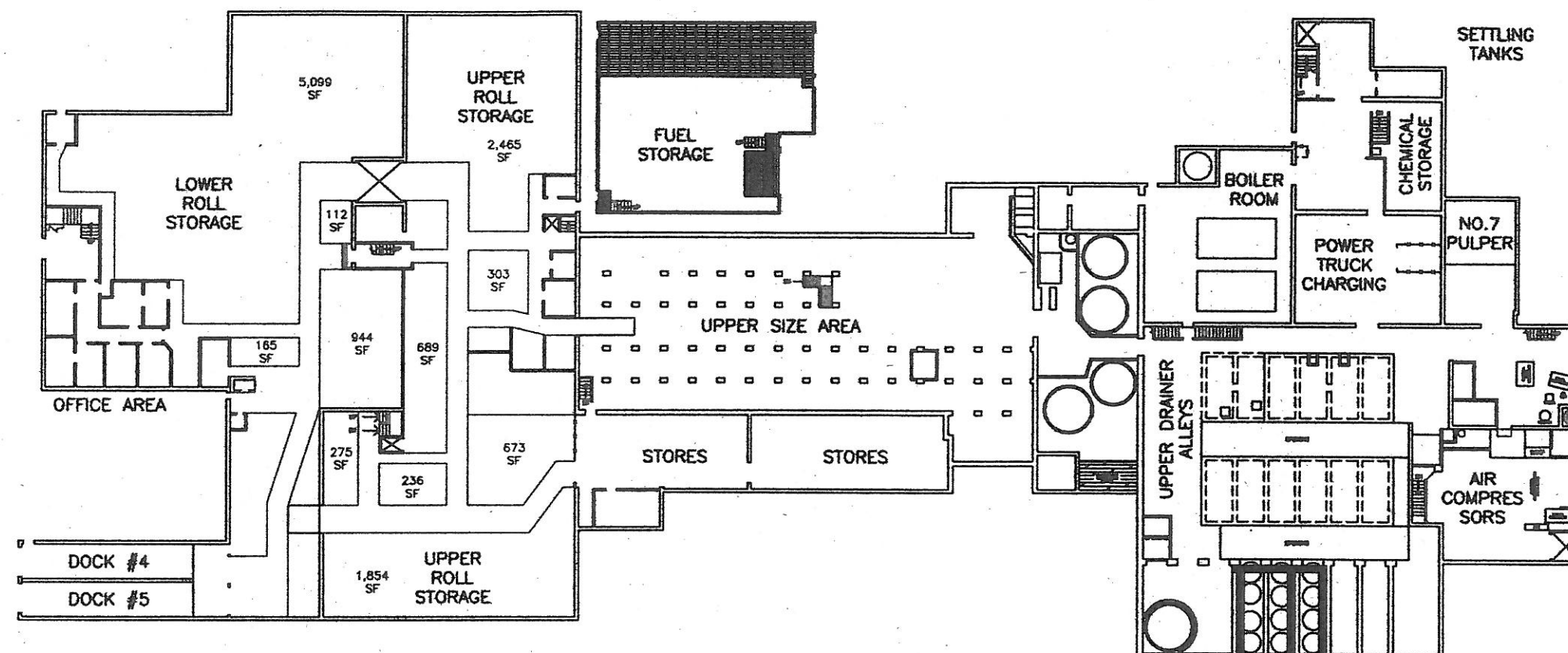


KEY MAP
SCALE: NTS

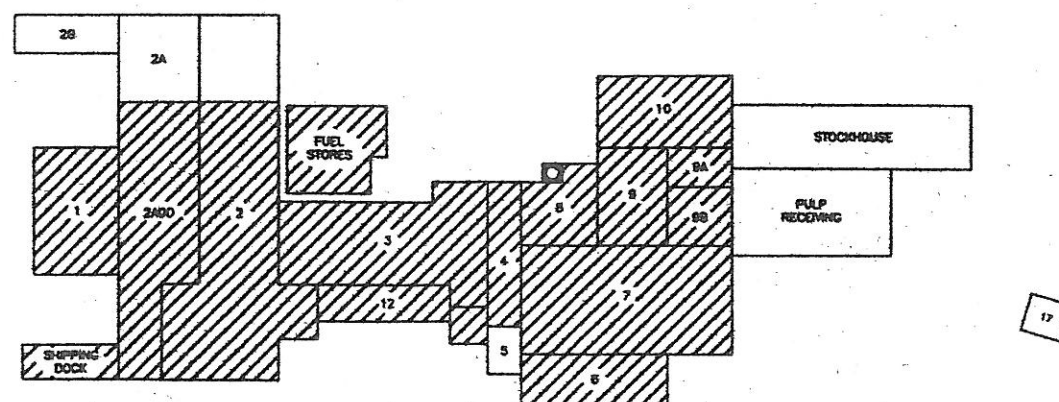
TOLERANCES
DIMENSIONS
X ± .1
XX ± .01
XXX ± .005
FRACTIONS ± 1/64
ANGLES
REMOVE SHARP EDGES
AND BLURRY
25.4 MM = 1 INCH
CNO 1=1

DO NOT REMOVE ORIGINAL FROM PLANFILE

No	DATE	BY	DESCRIPTION
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ENGR. PROJ. No.		NONE C & R JOB No.	
PAPER STORAGE AREAS 2ND FLOOR			
SCALE 1"=20'-0"		ENGR	DRAWING No.
DRN	MAY 03-24-91	12/91	REV. PROC.
DSGN		MGR	
STRATHMORE ENGINEERING DRAWING NO.			
MF-531-9			



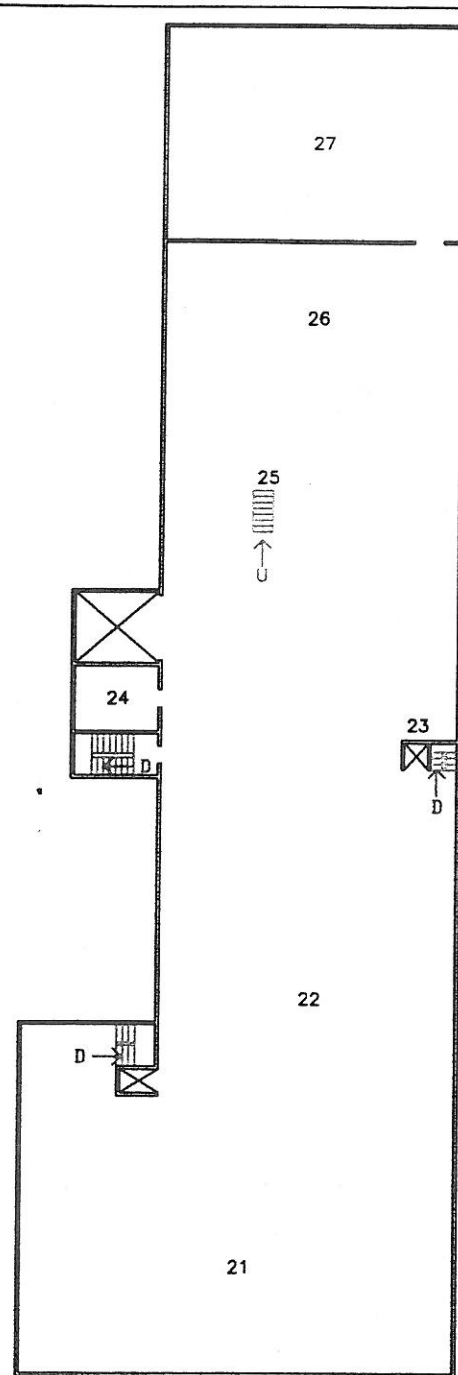
PAPER STORAGE TALLY
12,815 SF



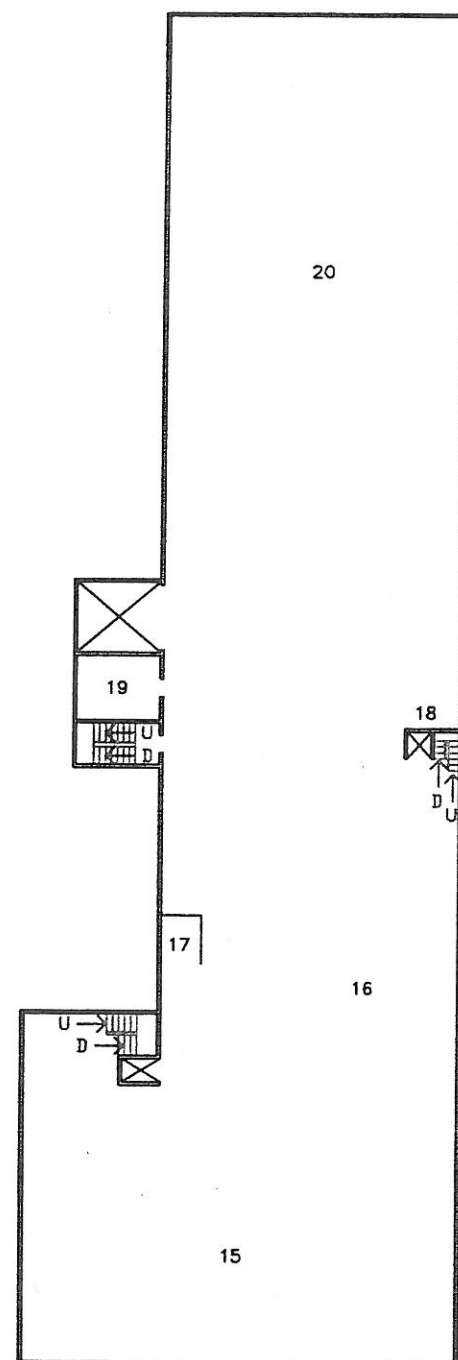
KEY MAP
SCALE: NTS

No.	DATE	BY	DESCRIPTION
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INTERNATIONAL PAPER			
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ENGR. PROJ. No. _____ WORK C & R JOB No. _____			
PAPER STORAGE AREAS 1ST FLOOR			
MILLERS FALLS			
SCALE 1"=20'-0" ENGR. _____			
DRN. _____			
DSGN. _____			
STRATHMORE ENGINEERING DRAWING NO. _____			
MF-531-8			

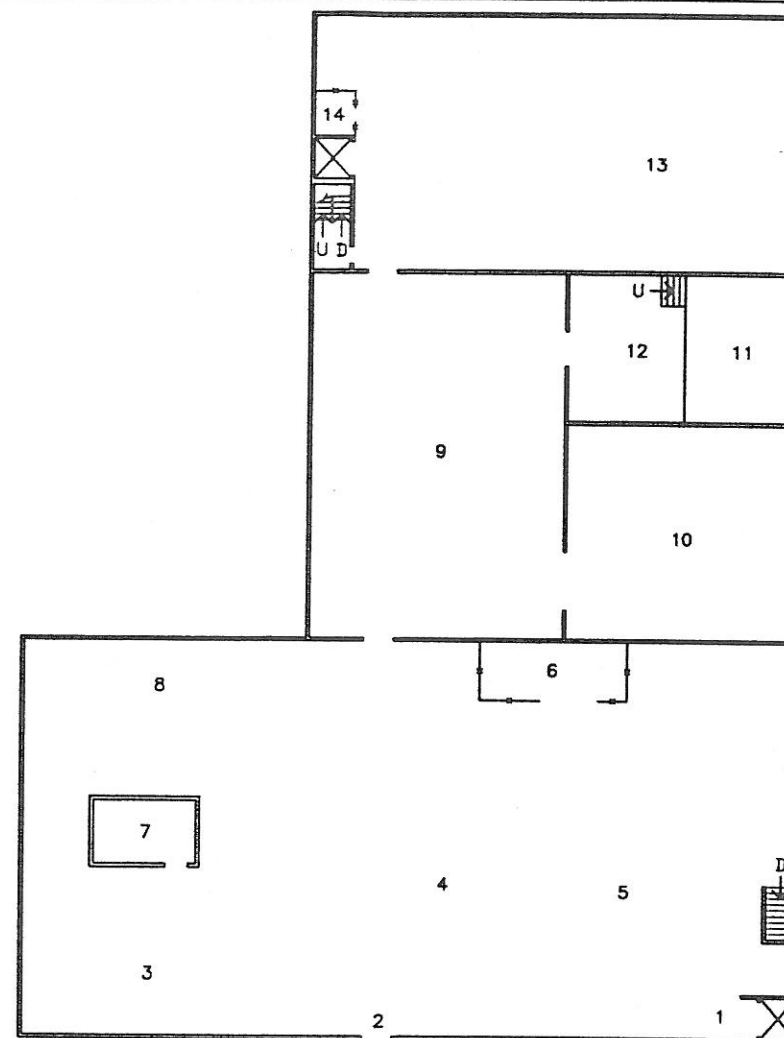
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4th FLOOR

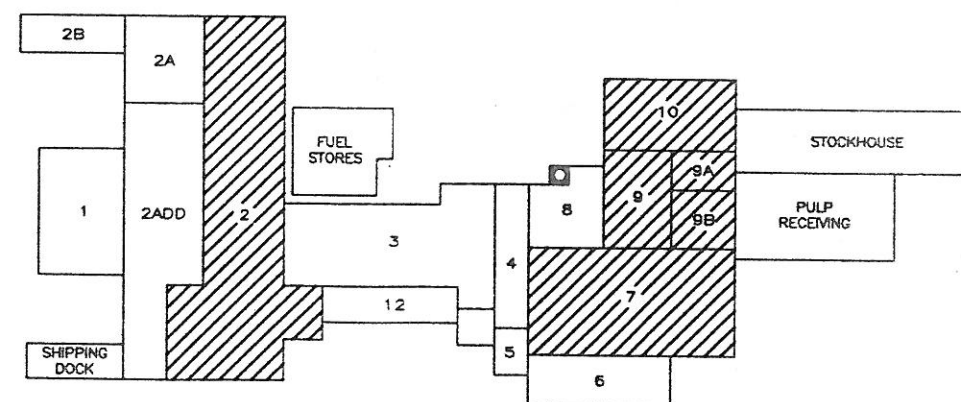


3rd FLOOR



3rd FLOOR

- 1-ELEVATOR OUT OF SERVICE
- 2-ROOF ACCESS
- 3-WIPITS AREA
- 4-MISC STORAGE
- 5-WIPITS AREA
- 6-BREAKERS
- 7-UNION OFFICE
- 8-CHEMICAL AREA-BERMED
- 9-CARDBOARD RECYCLING STORAGE
- 10-MOTORS STORAGE
- 11-MEZZANINE STORAGE-JANITORIAL SUPPLIES
- 12-JANITOR OFFICE
- 13-BROKE STORAGE
- 14-ELEVATOR CABLE MOTOR
- 15-SORT DEPARTMENT
- 16-VIPITS AREA
- 17-OPEN OFFICE AREA
- 18-ELEVATOR OUT OF SERVICE.
- 19-LADIES ROOM
- 20-WIPITS AREA
- 21-CORE STORAGE
- 22-PALLETS, SKIDS & TOPS STORAGE
- 23-ELEVATOR OUT OF SERVICE
- 24-FORMS & OFFICE PAPER STORAGE
- 25-STAIRWAY SUSPENDED FROM CEILING.
- 26-MISC STORAGE
- 27-DANDY ROLL & FELTS STORAGE



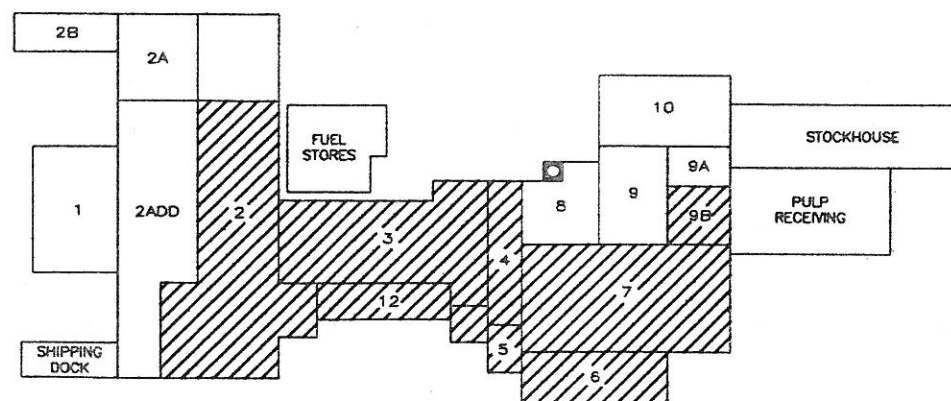
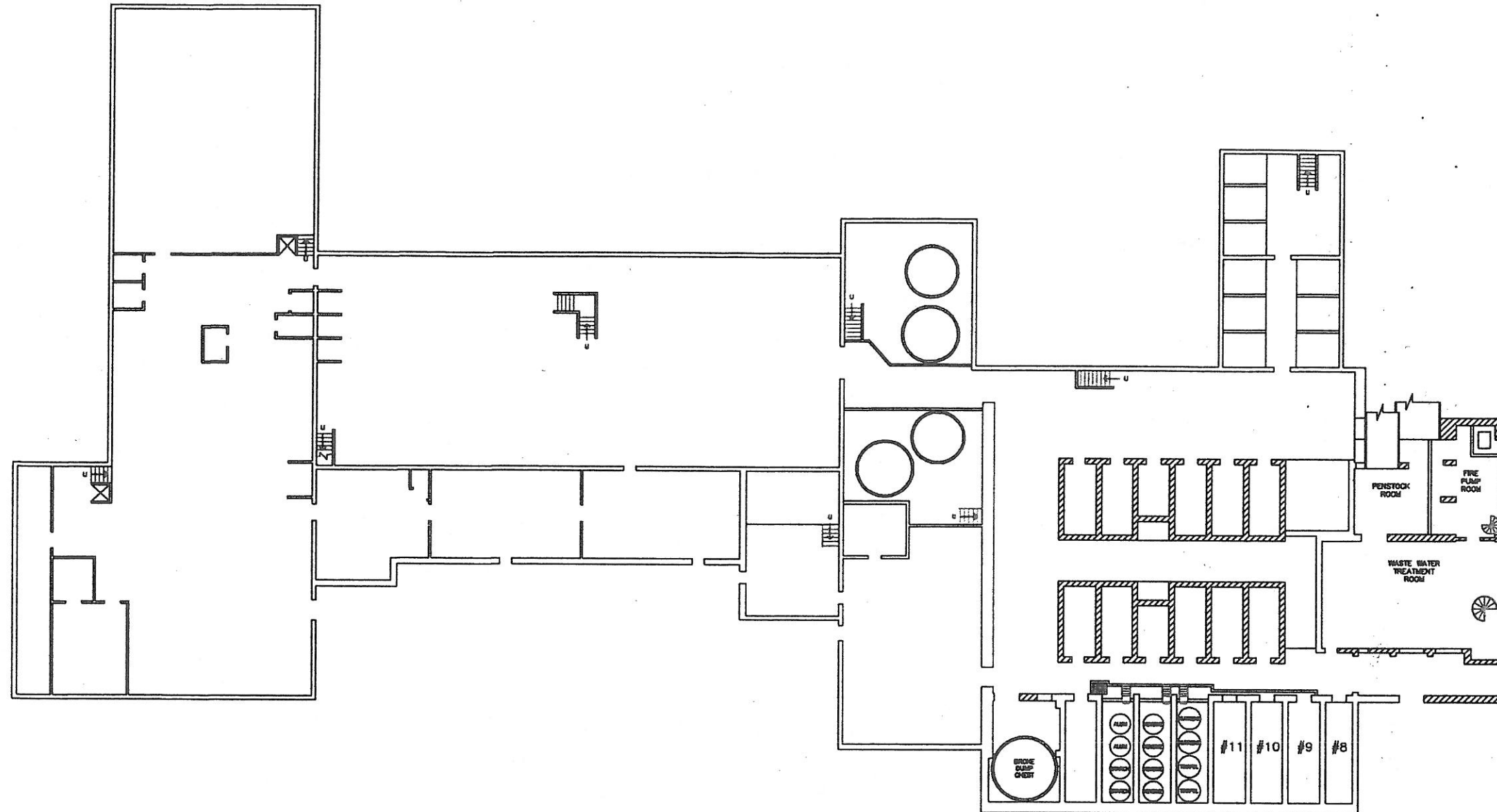
KEY MAP
SCALE: KTS

NOTE: LAYOUT WAS BASED ON FACTORY MUTUAL DRAWING

TOLERANCES	
1	± .1
2	± .01
3	± .005
4	± .002
5	± .001
6	± .0005
7	± .0002
8	± .0001
9	± .00005
10	± .00002
11	± .00001
12	± .000005

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1	12-25-00	MAY	GENERAL UPDATE	
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INTERNATIONAL PAPER STRATHMORE ENGINEERING, WESTFIELD, MA. ENGR. PROJ. No. _____ HOME C & R JOB No. _____				
MILL LAYOUT 3RD & 4TH FLOORS				
BUILDING 2, 7, 8, 9, 10, 11, 12 SCALE 1"=15'-0" ENGR MAY 02-04-04 DSN MAY 02-04-04 MGR STRATHMORE ENGINEERING DRAWING NO. MF-531-4				



KEY MAP
SCALE: NTS

NOTE: LAYOUT WAS BASED ON FACTORY MUTUAL DRAWING

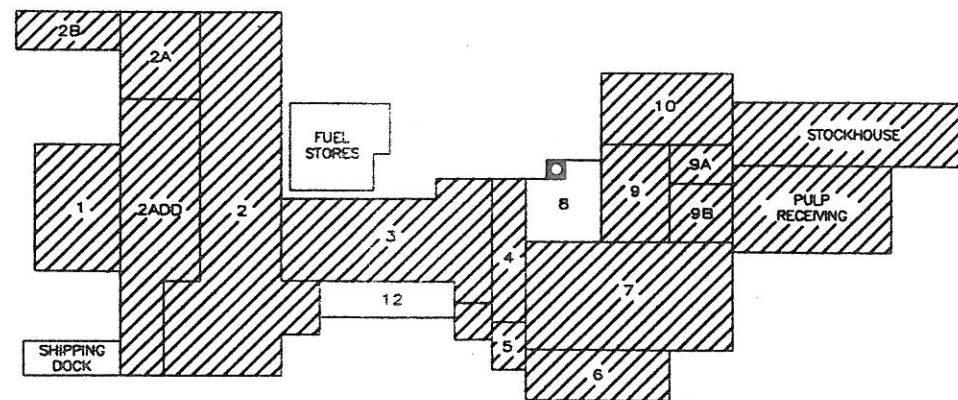
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ENGR. PROJ. No.		C & R JOB No.	
MILL LAYOUT BASEMENT			
BLDG(S) 2,3,4,5,7,8,9		FLOOR(S) 0	
SCALE 1"=15'-0"		DRAWING No.	
DRN	MAY	2-6-84	REV. PROC.
DSGN	MGR		
STRATHMORE ENGINEERING DRAWING NO. MF-531-1			

TOLERANCES
DIMENSIONS
X .5
XX .25
XXX .125
FRACTIONS ± 1/64
ANGLES
REMOVE SHARP EDGES
AND BLINDS
25.4 MM = 1 INCH
CNO 1:1

DO NOT REMOVE ORIGINAL FROM PLANFILE

- 1-ENGINEER-TOM PIKE
 * CAPITAL PROJECTS MANAGER-ED CHAMPAGNE
 DRAFTING-MICHAEL VAILLANCOURT
 2-ENGINEER-ALEX LAK
 3-ENGINEER-LISA KOSANOVIC
 4-SHIPPING CLERK-LUCIA DYMERSKI
 5-MDF(NETWORK SERVER)
 6-WALK-IN KITCHEN
 7-HES TEAM
 8-VAULT
 9-EHS MGR-CORY ST THOMAS
 10-ENGINEER-MIKE PUNTIN
 11-CONFERENCE ROOM CLOSET
 12-LADIES RESTROOM
 13-MEN'S RESTROOM
 14-CONFERENCE ROOM
 15-LOBBY
 16-RECEPTIONIST
 17-SECRETARY-LESLIE SHARR
 18-#7 PM PROCESS MGR-PAUL GAUDETTE
 19-PROCESS MANAGER-DAN SULLIVAN
 20-#8 PM PROCESS MGR-JIM STEVENS
 21-TECHNICAL MGR-MARSHA MARTIN
 22-HUMAN RESOURCE MGR-STEVE MCNULTY
 23-MILL MGR-TED LEWELLYN
 24-CONVERTING AREA-MEN'S ROOM
 25-CONVERTING AREA OFFICE
 26-PROCESS CONTROL OFFICE (DOG HOUSE)
 27-SAMPLES STORAGE
 28-PROCESS MANAGERS (TOUR SUPERVISOR)
 29-TRAINING ROOM
 30-ENGINEER-CARL LOUGH
 31-QUALITY LAB
 32-QUALITY LAB
 33-TBD
 34-PRODUCTION PERFORMANCE MGR-BRENDA MCBRIDE
 35-VEDNING MACHINE ROOM
 36-LADIES LOCKER ROOM
 37-MEN'S LOCKER ROOM
 38-ACCURAY MCC ROOM
 39-RECEIVING LEADMAN DOCKS 6,7,8
 40-BEATER ROOM OFFICE
 41-BEATER ROOM BREAK ROOM
 42-BEATER ROOM LOCKER AREA
 43-DOCK #2
 44-DOCK #1
 45-ROLL WRAP DEPARTMENT
 46-CUTTER #1
 47-CUTTER #2
 48-CAMERON REWINDER #3
 49-ROLL STAGING
 50-JAGENBERG REWINDER

- 51-ROLL STORAGE
 52-PAPER MACHINE #7
 53-PAPER MACHINE #8
 54-WETEND
 55-REFINERS
 56-COLOR KITCHEN
 57-ROLL SPLITTER
 58-BEATER ROOM
 59-PULPER #8 PM
 60-PULPER #7 PM
 61-DANDY ROLL STORAGE (ACTIVE)
 62-VERTICAL BALER
 63-DOCK #3
 64-STOCKHOUSE (PULP STORAGE)
 65-DOCK #6
 66-DOCK #7
 67-PULP RECEIVING & STORAGE
 68-DOCK #8

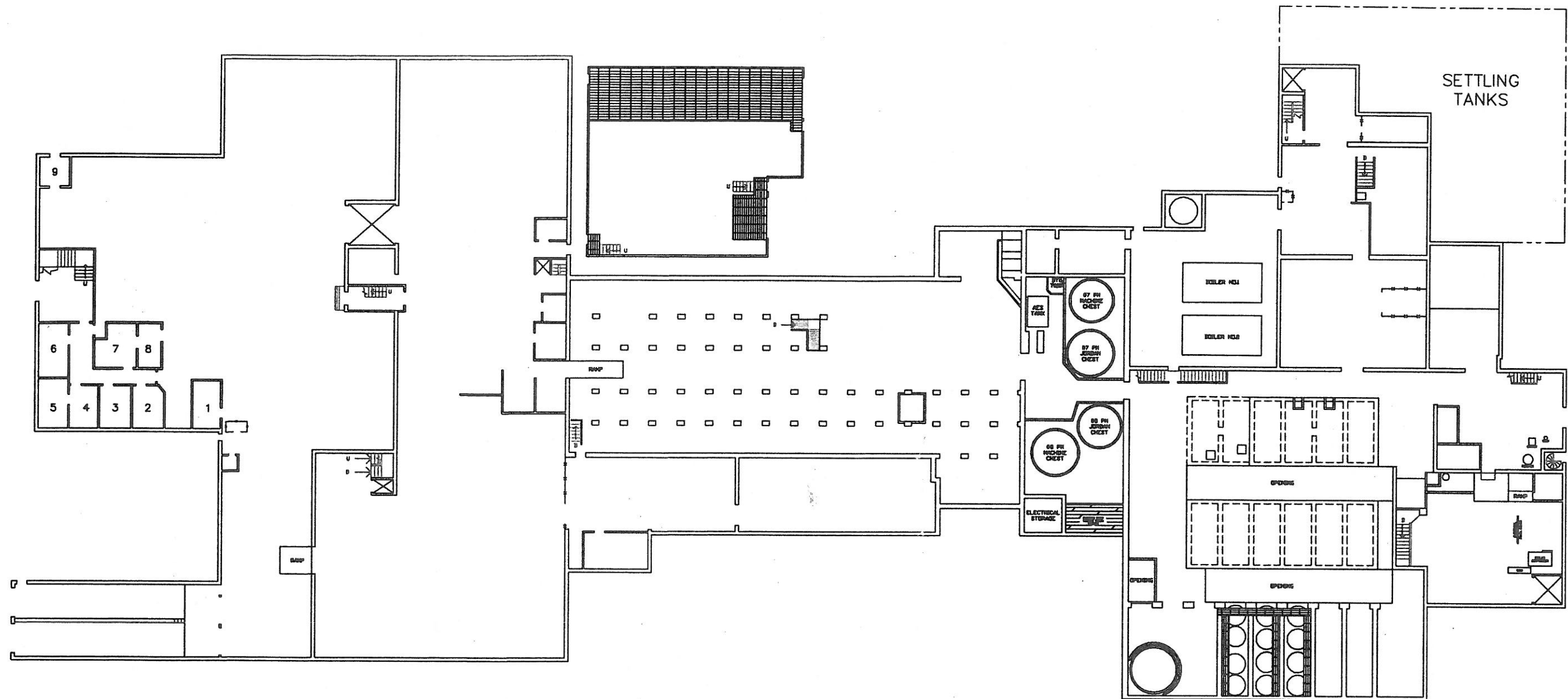


NOTE: LAYOUT WAS BASED ON FACTORY MUTUAL DRAWING

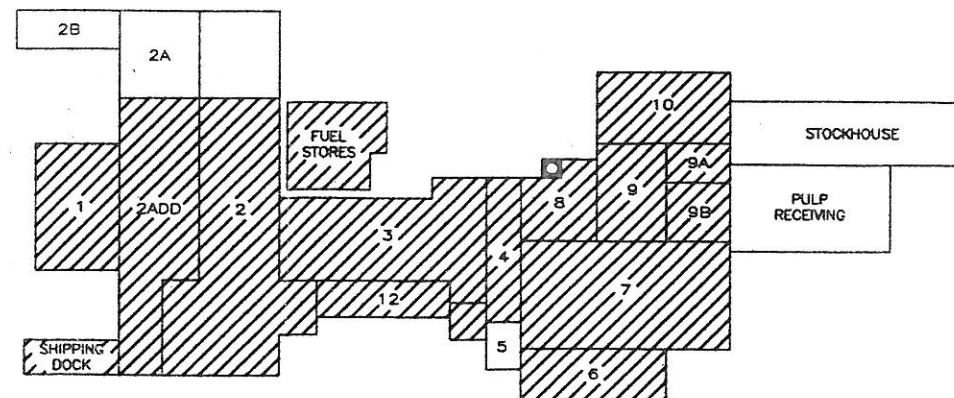
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TOLERANCES
 DIMENSIONS
 X ± .1
 XX ± .01
 XXX ± .005
 FRACTIONS ± 1/64
 ANGLES
 REMOVE SHARP EDGES
 AND BURRS
 32.4 MM = 1 INCH
 CAD 1=1

1	12-14-05	MM	GENERAL UPDATE	
No	DATE	BY	DESCRIPTION	
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ENGR. PROJ. No.		NONE C & R JOB No.		
MILL LAYOUT 2ND FLOOR				
STRATHMORE ENGINEERING DRAWING NO.				
MF-531-3				



- 1-HEALTH SERVICES
- 2-PRODUCTION ACCOUNTING-JACKIE TREAT
COST ACCOUNTING CLERK-JOHN PELOSO
- 3-CONTROLLER-STEVE TREAT
- 4-BUSINESS ANALYST-PAT O' SHEA
BUSINESS ANALYST-DAVID WELLS
- 5-STORAGE CLOSET
- 6-DON PERKINS
HEATHER ROMAN
- 7-PURCHASING CLERK-NANCY ORTH
- 8-PURCHASING MANAGER-DEBORAH LEARY
- 9-AT&T SWITCH ROOM



KEY MAP
SCALE: NTS

NOTE: LAYOUT WAS BASED ON FACTORY MUTUAL DRAWING

TOLERANCES
DIMENSIONS
X ± .1
XX ± .01
XXX ± .005
FRACTIONS ± 1/64
ANGLES
REMOVE SHARP EDGES
AND BLURS
25.4 MM = 1 INCH
GND 1=1

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REVISIONS			
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INTERNATIONAL PAPER STRATHMORE ENGINEERING, WESTFIELD, MA. ENGR. PROJ. No. NONE C & R JOB No.			
MILL LAYOUT 1ST FLOOR			
BLDG(S) 1,2,3,4,7,8,10,12 FLOOR(S) 1 MILLERS FALLS SCALE 1"=15'-0" ENGR DRN MAM 2-4-84 MGR DSGN MGR STRATHMORE ENGINEERING DRAWING NO.			
DRAWING No. REV. PROC. MF-531-2			