H. North Wall (three story wing)

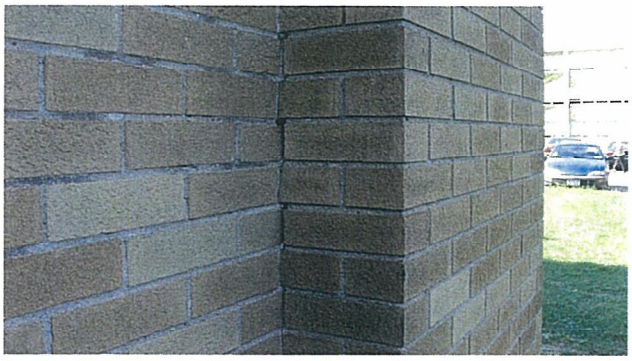
The brick exterior wall is in good condition. The interior corners at the recesses of the stair tower wall are missing mortar. The Fourth pier to the west from the stair tower at the three story wing is significantly cracked vertically from the ground to the roof it is bowing. The entry is in serviceable condition. The stone panels are uneven and are creating a tripping hazard. The third pier to the west has a slight vertical crack from the ground to approximately six feet above the grade. The end pier interior corner is cracked and missing mortar. There is an abandoned conduit line and there are holes in the brick nearby. The existing windows appear refinished. It is recommended that the stair tower wall interior corners be repointed, that the crack from the ground to the roof be investigated and the brick in this area possibly replaced, the canopy soffits be replaced and the landing stone be reset, a joint be installed at the third pier to the west, removal of the conduit and infilling of any holes, and replacement of the cracked sealant.

I. West Wall (three story wing)

The brick wall is in good condition. The most northern pier has significant cracking at the outermost corner from the ground to approximately six feet above the ground. The most southern pier also shows cracking from the ground to the third floor. There are dead vines on the building face. A tree is growing at the foundation wall. There is significant vine growth on the wall. The existing windows appear to have been refinished. It is recommended that the broken brick and mortar be replaced, a joint at the inside corner of the pier on both inside corners be installed, vines on the building face and and the tree near the foundation wall be removed, and the cracked sealant be replaced.

Wilber Hall - East Wall

Wilber Hall - North Wall - Fourth Pier to the West

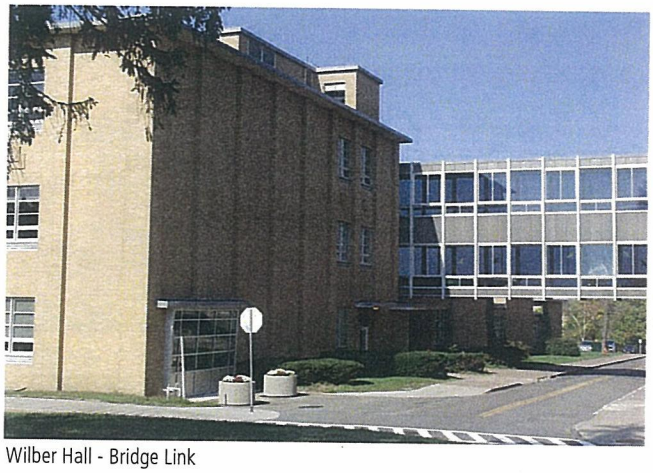


Wilber Hall - North Wall - End Pier

Wilber Hall - West Wall - Fifth Brick Pier

West Wall - Louver - South End

EXISTING BUILDING CONDITION SURVEY, WILBER HALL



Wilber Hall - Bridge Link

Wilber Hall - East Wall - Entry Soffit

Wilber Hall - East Wall - Entry

J. South Wall (three story wing)

The brick is in good condition. The existing original windows appear to have been refinished. There are dead vines at the west end of the wall. The original louver infill is cracking. The fifth brick pier from the west is significantly cracked vertically and is bowed. The sealant is not holding, and as a result the crack widened. The corner of the fourth pier from the last has significant brick damage. The original existing louver infill is cracking at the south end and masonry has broken off. The third pier from the east is also cracked from the ground to the third floor. The areaway at the most eastern window is covered. There are two chillers at the grade with lines and service running up the building. It is recommended that cracked sealant at the windows and louvers be replaced, dead vines on the wall be removed, the original louver infill be replaced, the pier brick be removed, the issue identified, and the brick then replaced. It is also recommended that bricks at the corner of the fourth pier and the assembly including the original louver infill be replaced, perhaps with a window, and that the cause of the crack from the ground to the third floor at the third pier from the east be further investigated.

K. East Wall (three story wing)

The brick wall is in good condition. The existing original windows appear to have been refinished. The entry soffit near the elevator is damaged at the southern corner. The doors here are old, rusty and difficult to use. The main Wilber Hall entry canopy soffit is damaged at the southern and northern corners. The entry landing slate stone panels are no longer level and are significantly chipped. It is recommended that cracked sealant be replaced, the entry soffits near the elevator be repaired, holes in the wall at this entry be infilled, the doors be replaced, the main Wilber Hall entry canopy soffits be repaired and the entry landing slate stone panels be replaced.

L. Bridge Link

The panels within the frames appear worn and two windows have failed. The surface beneath the bridge is heavily soiled. It is recommended that exterior panels and failed windows be replaced and the surface beneath the bridge be cleaned.

M. Exterior Doors

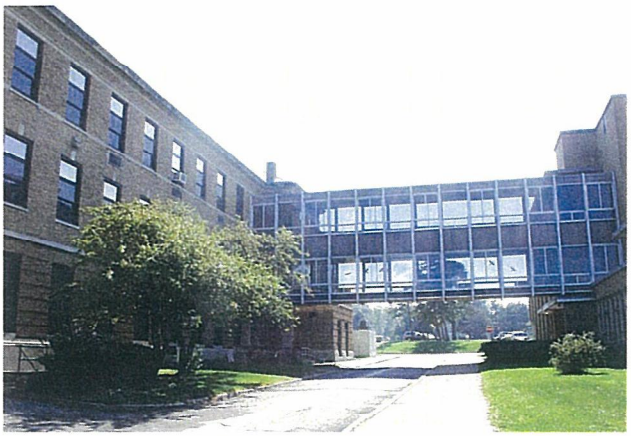
The exterior doors are the original clear anodized aluminum and single glazed doors that are non-insulated. They are also inappropriately sized with panic hardware and closers. There have been repairs through the years with bolts through the doors for additional hardware support and a wood stop replacing a missing aluminum stop. In the short term, a handicapped accessible entrance should be constructed, and the doors replaced with appropriately sized thermally broken handicapped accessible doors.

N. Adjacent Site Conditions

The concrete/macadam walks, curb, and grassy areas are in serviceable condition. The flagstone porticoes and entries are non-handicapped accessible. The service driveway between Wilber and Park Halls becomes congested for students and bus drop-off, and breaks the unification of the buildings. In the short term, it is recommended that an entry be modified for a handicapped accessible means of access. Also, in the short term, it is recommended that the site be modified to enhance the unified School of Education.

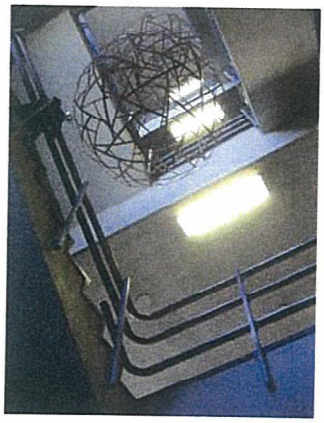
Wilber Hall - Exterior Doors

Wilber Hall - Exterior Doors



Wilber Hall -Bridge Link and Adjacent Site Conditions


Wilber Hall - Central Stair


Wilber Hall - Central Stair


Wilber Hall - Central Stair

II. INTERIOR OBSERVATIONS

Open Central Stair

The stair treads and risers are pre-cast terrazzo and are in good condition with some wear and minor chipping at the nosings. The clear anodized railing system is in good condition, with some accessories missing. Clearances between horizontal and vertical members in the railing system are greater than 4".

at Ground Level

There is a large nosing chip near the bottom of the stair. In the short term, it is recommended that the nosing be repaired to avoid injury.

at Second Floor

The walls are brick masonry and are in good condition. The second floor terrazzo and base are in good condition, with some chipping at joints, and significantly cracked terrazzo at the fire door. The fire doors are 30" doors. The z-spline ceiling at the landing is in serviceable condition. In the short term, it is recommended that the terrazzo at the fire door be repaired, and a threshold installed. It is also recommended that the z-spline ceiling at the second floor landing be cleaned, and the z-spline soffited ceiling at the fire door be reset due to sagging.

at Third Floor

The ceiling is a 1x1 z-spline ceiling system and is patched in four areas that are not set correctly. The 1x1 z-spline ceiling at the fire door soffit is in very poor condition with many missing and damaged tiles. The brick walls are in good condition, with some staining at the brick walls at the south fire doors. The terrazzo floor and base are in good condition, with some chipping at the joints. In the short term, it is recommended that the cause of the soffit water damage be located and repaired, that the south soffit ceiling be replaced, and the stain on the south brick wall at the soffited area be removed.

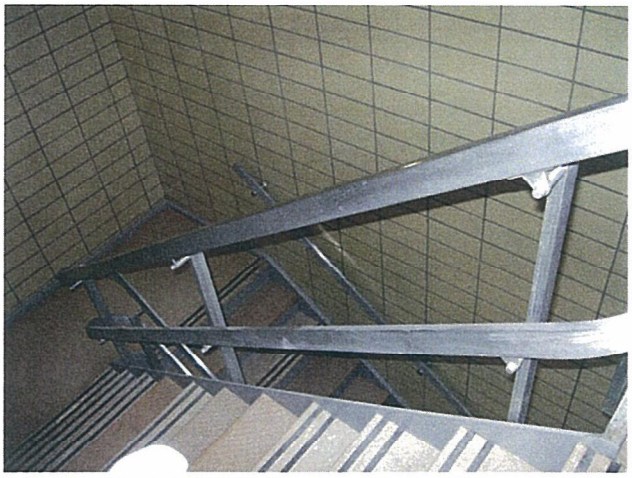
West Stair

The 1x1 z-spline ceiling system is in good condition with exception of the access panel tiles. The glazed CMU walls are in good condition. The third floor landing is a combination of 9x9 and 12x12 vinyl tiles that are in good condition. The rest of the landings are VCT and in poor condition. The railings are in good condition, they do not extend beyond the treads, and the clear distance between rails is greater than 4". More than half of the existing rubber treads have been replaced with newer rubber treads. In the short term, it is recommended that the landing floor finishes, the ceiling tile at the access panel, the treads, and the rubber tiles be replaced.

Wilber Hall - West Stair - Ceiling

Basement Lobby at Center Stair

The ceiling is a z-spline ceiling system that is in poor condition due to warping. The masonry walls and terrazzo floor and base are in good condition. The phone booths on the south wall are no longer used. In the short term, it is recommended that the phone booths be removed and the ceiling be replaced.



Wilber Hall - West Stair - Hand Rail

Basement Corridor

Ceiling

The ceilings are 2x2 APC with warped panels. In the short term, it is recommended that the ceiling be replaced.

Walls

The glazed CMU walls are in good condition.

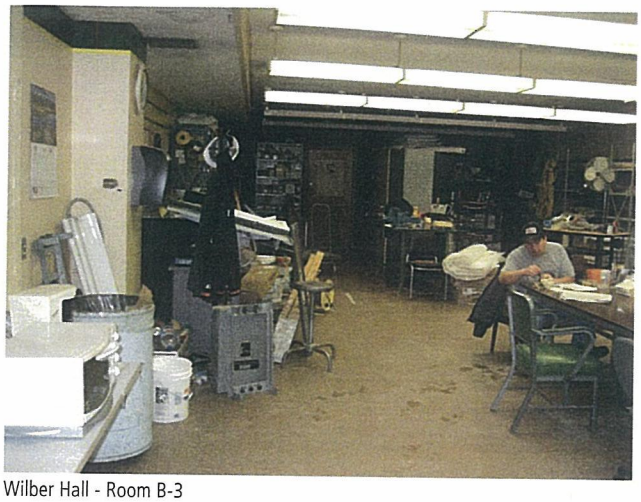
Floors

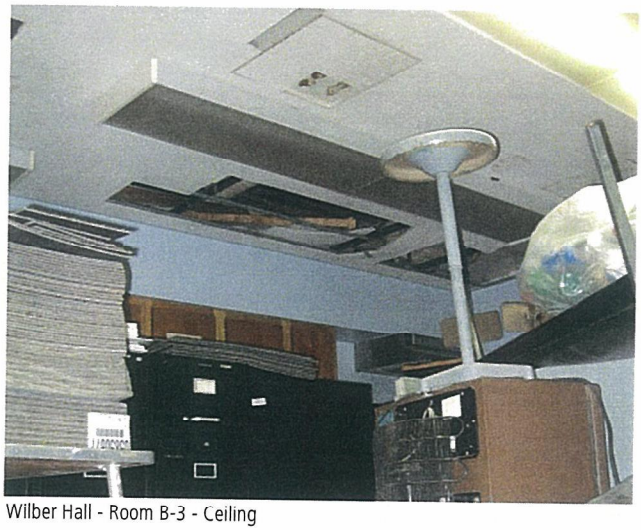
The floors are terrazzo and are in good condition with some chipping at the joints.

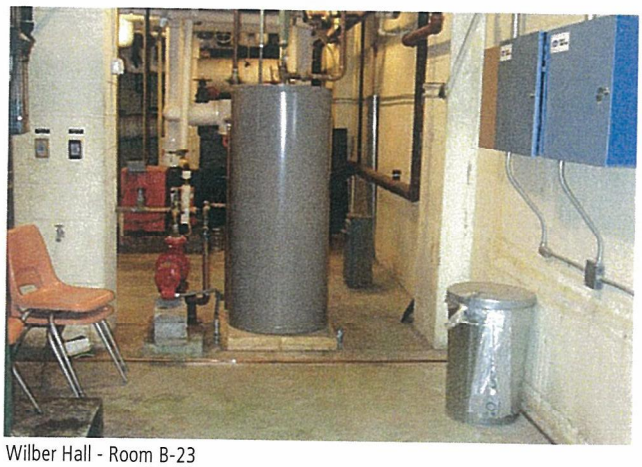
Wilber Hall - Basement

Doors

The metal doors and frames are in good condition with some denting/chipping, and the room signage is no longer viable. In the short term, it is recommended that the metal doors be repaired and painted, and the signage be replaced.


Wilber Hall - Room B-3


Wilber Hall - Room B-3 - Ceiling


Wilber Hall - Room B-23

Room B-3, SUNY Oswego shop/zone

The 1x1 z-spline ceiling is in good condition, with the east wall support angle short of the tile. The walls are plaster/GWB and the floors are 9x9 vinyl tile in good condition. In the short term, it is recommended that the ceiling tile be cleaned, a wider ceiling angle be installed, and the cork wall at the south end of the room be removed/replaced.

Room B-4, Office

The floors are 9x9 vinyl tile, walls and ceiling are plaster and in good condition.

Room B-18, Janitor Closet

The floor is 9x9 vinyl tile, the walls and ceiling are painted plaster, and all are in good condition. Some of the lights are covered with plywood. In the short term, it is recommended the lights either be replaced or removed and the ceiling patched.

Men's Toilet B-19, Women's Toilet B17, and Janitor Toilet B16

The CMT floors, CT walls, and marble stalls are in good condition. The plaster ceilings are cracked and lights are covered with plywood. The wood veneer doors are in poor condition, the veneer is delaminating, and there are no handicapped accessible accommodations. In the short term, it is recommended that the plaster ceiling be repaired, the wood veneer stall doors be replaced, and handicapped accessible stalls and fixtures be provided.

Room B-23, Mechanical Room

The ceiling has sprayed on fire-proofing on the structural members. The brick walls and poured concrete floor are in good condition. In the short term, it is recommended that the sprayed fire-proofing be abated and the concrete floor be repainted as the paint is pealing.

First Floor Main Lobby

Ceiling

There are z-spline ceilings with areas of replacement through the years. The area of ceiling between the open stair and east exterior doors is significantly warped, and the soffited ceiling at the fire doors is in poor shape. In the short term, it is recommended that the ceiling tile in the Main Lobby and fire door soffited areas be replaced.

Walls

The walls are brick masonry and in good condition. The north wall has a mural painted on it that is in good condition.

Floor

The floors are terrazzo and in good condition, with some chipping at the joints. The terrazzo floor beneath the fire doors needs repair in the short term, consider installing an appropriate threshold.

Doors

The fire doors show much wear with dings and dents and the hardware is not handicapped accessible. In the short term, It is recommended that the doors be repaired and the hardware be replaced with handicapped accessible hardware.

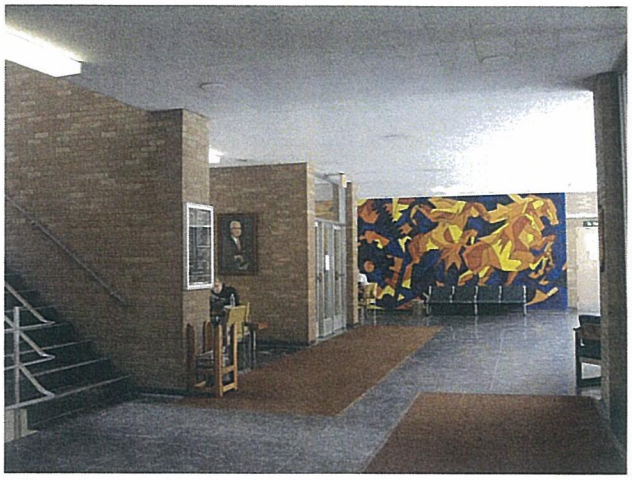
First Floor Corridor, Three Story Wing

The terrazzo floors are in good condition with some chipping at the joints. The glazed CMU walls are in good condition, and the ceilings are new APC and GWB. This space is currently being renovated.

First Floor Corridor, One Story Wing

Ceiling

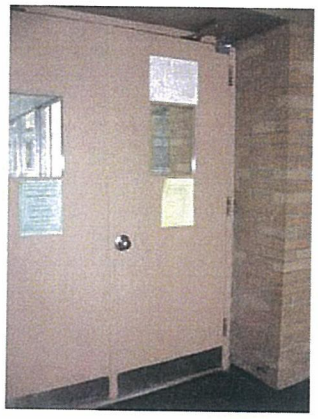
There are z-spline ceilings with areas of replacement through the years. The replacement tiles are very noticeable because they are whiter and not secured properly. Some of the replacement tile corners are very badly chipped. In the short term, it is recommended that the entire ceiling system be replaced, or, replace broken/chipped ceiling tile, set properly, and paint with an appropriate acoustic panel paint for a uniform finish.

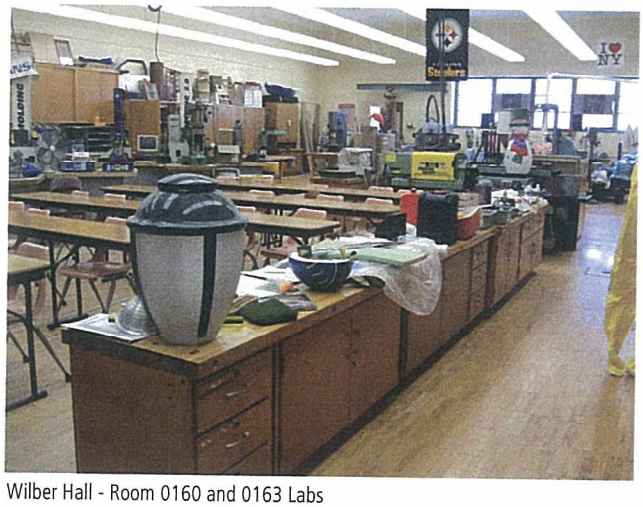


Wilber Hall - Main Lobby

Wilber Hall - Main Lobby - Doors

Wilber Hall - First Floor Corridor



Wilber Hall - Corridor Doors


Wilber Hall - Room 0160 and 0163 Labs


Wilber Hall - Room 0160 and 0163 Labs

Walls
Walls and base are glazed CMU and are in good condition. The east wall at the most northern window and heating unit is damaged, possibly by water/moisture. In the short term, window sill and masonry joint repair is recommended at this location.

Floor
The terrazzo floor and ramps are in good condition. The ramp abrasive strips are showing wear; The bottom ramp is ~20'-5" in length, the middle ramp is ~ 25' in length, and the top landing is ~23'-3" in length. In the short term, it is recommended that the terrazzo floor beneath the fire door be repaired and a threshold installed, and replace the abrasive ramp strips.

Doors
The fire doors show much wear with dings and dents and the hardware is not handicapped accessible. In the short term, It is recommended that the doors be repaired and the hardware be replaced with handicapped accessible hardware.

Room 0160 and 0163 Labs
The 1x1 z-spline ceilings, CMU walls, and wood floors are in good shape. In the short term, it is recommended that the wood floors be refinished and walls painted.

Men's Toilet, one story wing
The Men's Toilet room has a CMT floor, full CT walls, and marble stalls that are in good condition. The rusty water damaged hung ceiling system and wood veneer stall doors are in poor condition and there are no handicapped accessible accommodations. In the short term, it is recommended that the ceiling system and wood veneer stall doors be replaced, and a handicapped accessible stall and fixtures be provided.

Second Floor Corridor
Ceiling
The 1x2 hung ceiling panels are significantly warped. In the short term, it is recommended that the ceiling be replaced.

Walls
The glazed CMU walls (tan and bright yellow) are in good condition with the exception of missing mortar near door jamb 252. In the short term, it is recommended that the mortar joints be re-pointed where missing at door 252.

Floor
The terrazzo floors are in good condition with some chipping at the joints.

Doors
The metal doors and frames are in good condition, with some denting and chipping. It was also observed that the kick plates are short. In the short term, it is recommended that the metal doors and jambs be repaired and repainted.

Room 250, Office Suite
The 2x2 APC ceiling grid and tiles are noticeably sagging. The plaster/GWB walls, doors, and frames are in good condition with some chipped paint. The floor is carpeted and has outlived it's lifespan; it is worn and pulling. In the short term, it is recommended that the ceiling system and carpet be replaced.

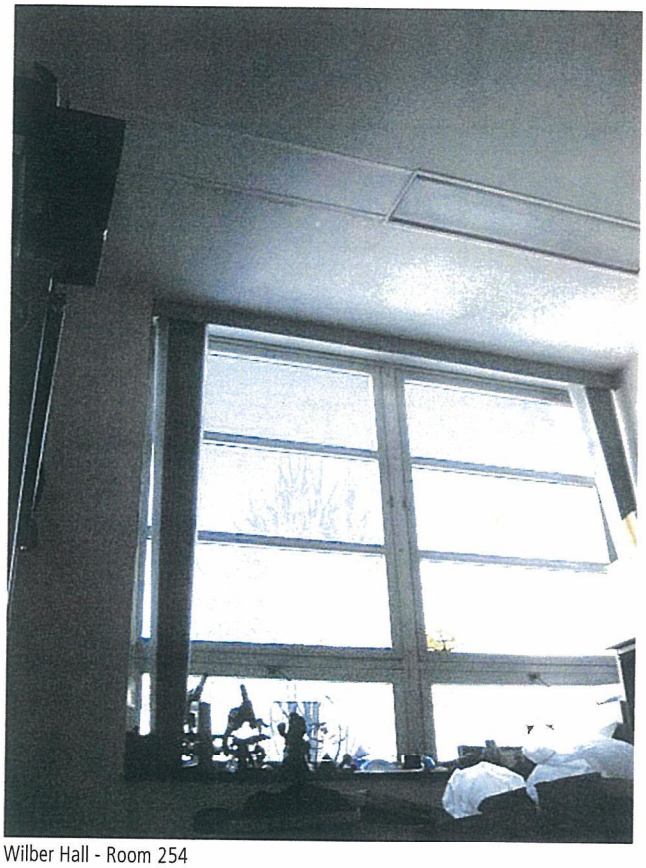
Suite 251 and 252
The 2x2 APC tiles are sagging, the carpet is warped with raised seams, and the wall at the electric panel within the suite hallway is cracking in two areas. The plaster and GWB walls are generally in good condition. The metal doors and frames are in good condition, although the paint is chipping. In the short term, it is recommended that the ceiling system and carpet be replaced, the crack in the wall repaired, and the doors and frames be painted.

Suite 253
The 2x2 APC tiles are warped. The VCT floors, CPT floors, doors, and painted plaster/GWB walls are in good condition. In the short term, it is recommended that the ceiling system be replaced.

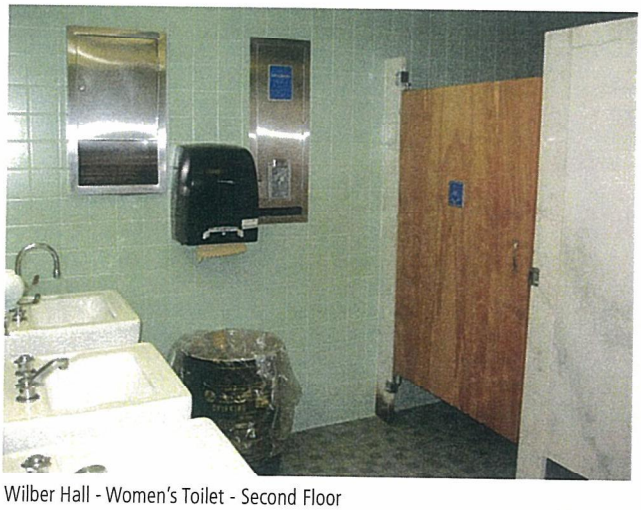
Wilber Hall - Room 250 - Office Suite

Wilber Hall - Room 251 and 252

Wilber Hall - Room 253



Wilber Hall - Room 254



Wilber Hall - Women's Toilet - Second Floor

Room 254, Office

The walls and ceiling are plaster and the ceiling has some water damage at a concealed light. The carpet is in poor condition, starting to wear, and the metal door and frame are in good condition. In the short term, it is recommended that the area of water damage be repaired, the ceiling fixtures that are not used either be replaced or removed and ceiling patched, the carpet replaced, and the door and frame be painted.

Rooms 255, 256, and 257, Offices

The ceilings and walls are painted plaster and are in good condition, with two covered light fixtures in each office. The floor are carpeted and are in good condition. In the short term, it is recommended that the covered light fixtures be replaced or removed and patched.

Women's Toilet, Second Floor

Vestibule

The vestibule walls and ceiling are plaster and there is a horizontal crack in the west wall. The floor is 9x9 vinyl tile and the base is either missing in areas or patched with an alternate color. In the short term, it is recommended that the crack in the wall be repaired, and the base and floor be replaced.

Main Room

The main toilet room ceiling is plaster with a plywood covered light, the walls are CT, the floor is 2"x2" CMT, the stalls are white granite, and all are in serviceable condition. The entry door is metal, vented, and difficult to open. The wood veneer stall doors are in poor condition; broken, and delaminating. While the room is fully handicapped accessible, the handicapped accessible sink is covered by the toilet paper dispenser and waste basket. In the short term, it is recommended that the missing light be installed or removed and patched, the wood stall doors be replaced, the handicapped accessible sink be accessible, and the door closer strength be adjusted.

Data Room, Second Floor

The plaster walls and ceiling are in good condition, with some areas of pealing paint. The 9x9 vinyl floor tile and metal vented door and frame are in good condition. In the short term, it is recommended that the pealing wall be sanded and painted, and the floor be replaced (check for asbestos content).

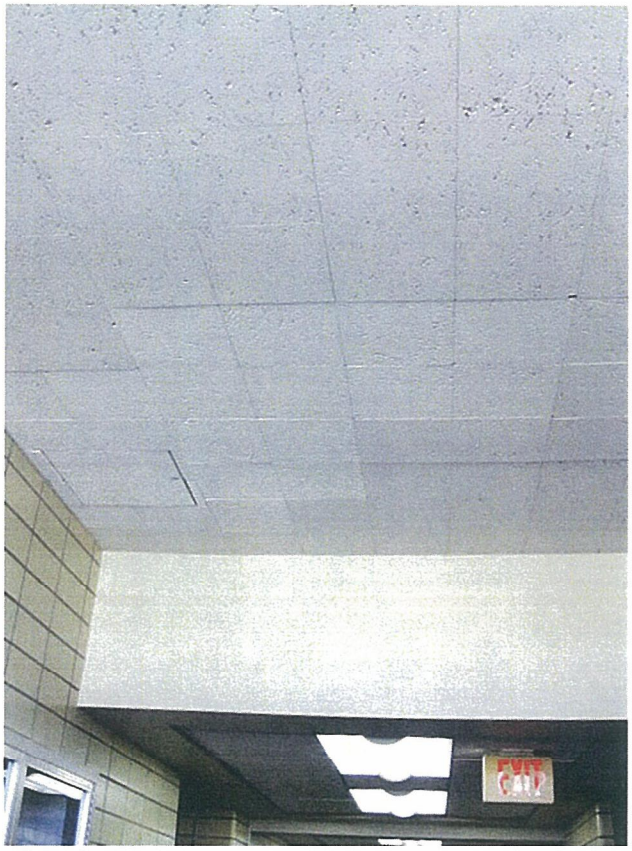
Janitor Closet, Second Floor

The plaster walls and ceiling, CMT floor, and metal vented door and frame are in good condition. In the short term, it is recommended that the door and frame be painted.

Third Floor Corridor

Ceiling

Most of the ceiling is a new GWB soffited ceiling with new hung 2x2 APC. At the elevator, the existing 1x1 z-spline ceiling was not replaced, areas of patch here are not installed properly, and the ceiling grid support angle paint here at the east wall is pealing. There is water damage at the new GWB soffit near the double fire doors. In the short term, it is recommended that the existing ceiling at the elevator and water damaged GWB soffit be replaced.



Wilber Hall - Third Floor Corridor

Walls

The glazed CMU walls (pale yellow and dark brown) are in good condition.

Floor

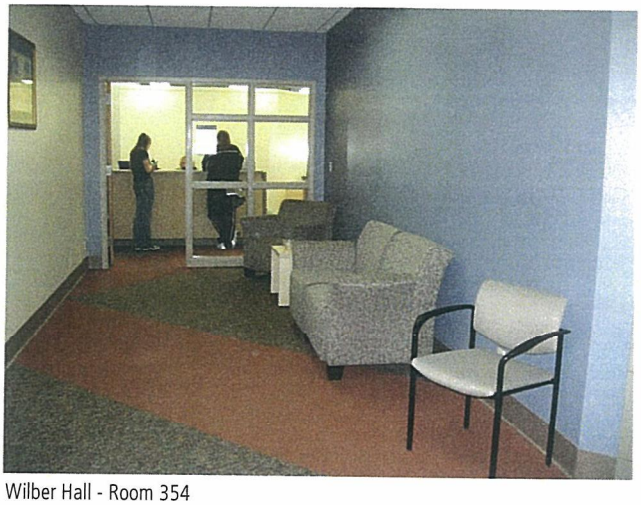
The terrazzo floor is in good condition, with some chipping at the joints, and significant cracking at the fire door. In the short term, it is recommended that the terrazzo at the fire door replaced and a threshold installed due to significant cracking at the floor.

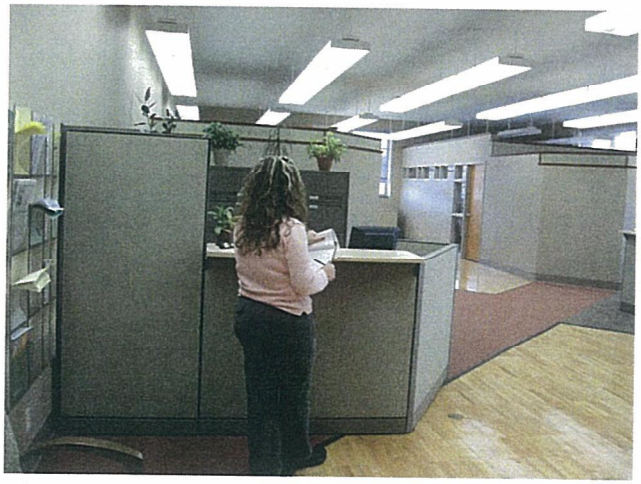
Room 352, Lab and Work Room

The z-spline ceiling has areas of patch, is lower in the main room, and is in good condition. The casework has been modified to fit the needs of the program. The walls are difficult to see, the wood floors, QT floors, and metal entry doors are in good condition. In the short term, it is recommended that the wood floors be refinished.


Wilber Hall - Room 352


Wilber Hall - Room 354


Wilber Hall - Room 354


Wilber Hall - Room 356 - Dean's Suite

Room 353, Lab and Work Room

The ceiling is 1x1 z-spline with a lower soffited area of z-spline ceiling with some water damage. The walls are plaster/GWB, the floors are wood and quarry tile, and all are in good condition. The casework has been modified to meet the needs of the program. In the short term, it is recommended that the water damaged ceiling tile be replaced, and the wood floors be refinished.

Room 354, Classroom and Office Suite

There is new 2x2 APC hung ceiling system in the entry and a z-spline ceiling system in the classroom and office suite that are in good condition. The walls are GWB/Plaster, the floors are carpeted, and both are in good condition. The office walls do not extend to the ceiling due to the HVAC system. In the short term, it is recommended that the HVAC system be reviewed to see what can be done to retrofit the system to accommodate the office walls extending to the ceiling.

Room 356, Dean's Suite

The 1x1 z-spline ceiling, plaster and GWB walls, carpet and wood floors are in excellent condition, having been newly renovated. The GWB walls do not extend to the ceiling due to the HVAC system. The Dean's Suite Conference Room ceiling is GWB/plaster and is cracking above the sink and at the north east corner of the room. The floor is QT (light tan) with light grout, although the grout at traffic areas is dark due to use. The GWB/plaster walls are in good condition. The closer at the door to the office pulled out of the door. In the short term, it is recommended that the HVAC system be modified to allow for the walls to be built to the ceiling, the crack in the ceiling in the conference room be repaired, the conference room grout be cleaned and sealed, and the conference door be repaired and closer installed.

Rooms 358, 360, and 361, Offices

The ceilings and walls are painted plaster and in good condition, with two covered light fixtures in each office. The floors are carpeted and are in good condition. In room 360, the east and west wall paint is dramatically bubbling and pealing. In the short term, it is recommended that the covered light fixtures be replaced or removed and patched, and the walls in room 360 be repaired and painted.

Men's Toilet, Third Floor

The CMT floor and white granite walls are in good condition. The plaster ceiling has a large area of water damage where the ceiling is missing, the CT walls have several cracks and a large opening in the west wall, the wood veneer doors are in poor condition, and there are no handicapped accessible accommodations. The entry metal door with vent is in good condition. In the short term, it is recommended that the walls, ceiling, and stall doors be replaced. It is also recommended in the short term that the entry door and frame be painted, and the room be handicapped accessible compliant.

Wilber Hall - Men's Toilet Third Floor - Ceiling

Penthouse Mechanical Room

Ceiling

The roof is an exposed concrete metal deck with sprayed on fire-proofing and a structural steel support system that are in good condition. The lower area ceiling is painted plaster and in good condition. The roof drain is leaking where it meets the roof. In the short term, it is recommended that the roof drain be replaced with the roofing system.

Walls

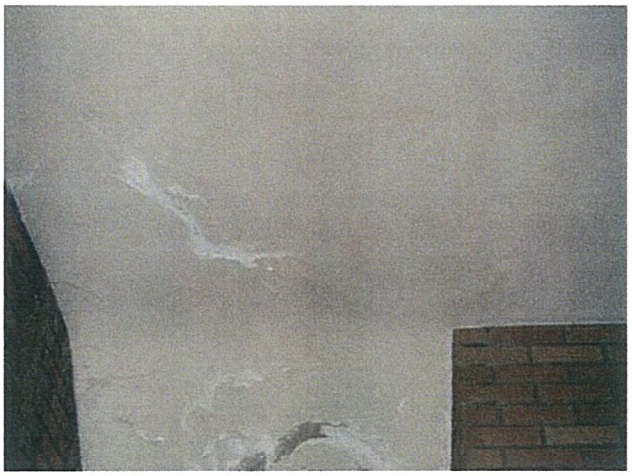
The walls and column surrounds are painted CMU with a large window in the west wall at the lower area and are in good condition.

Floor

The floor is exposed poured concrete and is in good condition.

Stairs

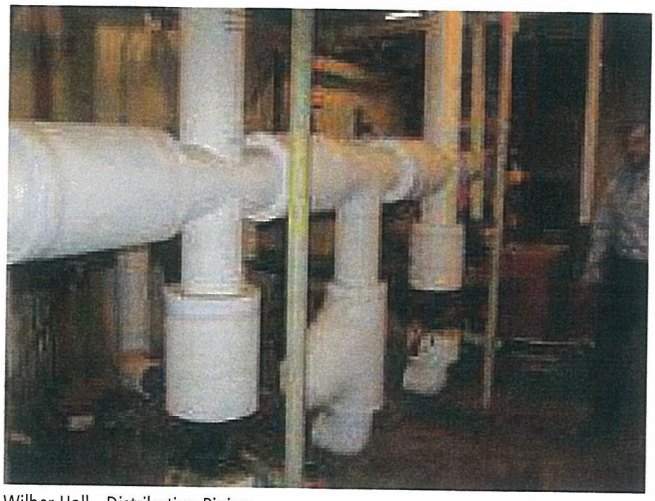
The stair ceiling to the penthouse is plaster and has significant water damage. The terrazzo stair is in good condition, with some cracking at the joints. The railing near the penthouse mechanical room door is loose and the stair landing has a large crack in the floor near the railing. In the short term, it is recommended that the water damaged ceiling be replaced, the loose railing be secured, and the landing be repaired.



Wilber Hall - Penthouse Water Damage


Wilber Hall - Unit Ventilators


Wilber Hall - Distribution Piping


Wilber Hall - Distribution Piping

HVAC OBSERVATIONS

Existing Systems Overview

The original 1963 construction included several different types of HVAC systems to properly address the various types of room uses. Basic approaches included:

- Hot-water-heated unit ventilators to serve rooms requiring heating and ventilating where room air could be recirculated. These rooms often had local exhaust air systems to remove a portion but not all of the room air circulated.
- Constant-volume, heating, ventilating, and air conditioning via a central air handling unit to serve rooms also requiring air conditioning where room air could be recirculated. Again, these rooms often had local exhaust air systems to remove a portion but not all of the room air circulated.
- Steam-heated heating & ventilating units to serve rooms requiring 100% supply and exhaust of room air.
- Constant-volume, dual-duct heating, ventilating, and air conditioning via a central air handling unit to serve rooms also requiring air conditioning as well as 100% supply and exhaust of room air.

The above approaches were likely developed to minimize cross-contamination between shops, labs, studios, classrooms and offices while maintaining cost-effective construction.

The building receives medium pressure steam from the Campus system. The steam is reduced in pressure for use in steam-to-hot water heat exchangers and air handling unit coils. The hot water is distributed to unit ventilators, h&v units, convectors, and unit heaters. Steam and hot water distribution originates from a basement mechanical room.

Chilled water for air conditioning was created and distributed within a penthouse level mechanical room.

Two central air handling units were located in the penthouse level mechanical room. These units provided air conditioning, heating and ventilating to limited areas in the south wing of the building.

While many of these systems remain intact, renovations have recently occurred to approximately 20-30% of the systems as discussed in the following paragraphs.

- Piping Systems

The steam entrance, reducing valves and heat exchangers were renovated in the mid 1990's. This headend equipment is in good condition. The low pressure steam and hot water distribution piping systems are generally original construction with minor modifications to accommodate subsequent renovations. While no specific integrity problems were apparent or reported, the distribution piping has exceeded their normally anticipated useful service lives.

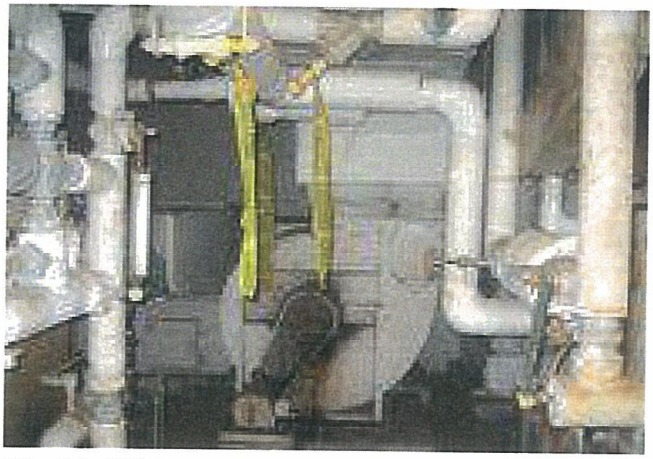
In the short term, it is recommended that the distribution piping be inspected frequently for leaks and the valves and steam traps be checked and serviced to maintain proper operation. In the long term, it is recommended that the distribution piping be replaced in-kind or as needed to service renovated HVAC systems. To minimize construction costs, the replacement should occur concurrently with a major renovation project.

- Exhaust Air Systems

Due to the original program of labs and shops requiring fume and odor control, the percentage of the building exhausted is higher than typical for a typical academic building. Although the various exhaust systems remain functional, it appears programs have changed and may continue to change such that modifications of the exhaust systems may be warranted based on revised needs for fume control and/or a possible energy savings associated with reductions in exhaust air needs. Further, the exhaust fans exceeded their normally anticipated useful service lives.

Wilber Hall - Exhaust Fan

Wilber Hall - AC Unit



Wilber Hall - AC Unit

Wilber Hall - Chiller and Cooling Tower

In the short term, it is recommended an overall review of the exhaust system arrangements and their air balance be analyzed against the current room use to ensure proper fume control is being provided for all spaces. In the long term, it is recommended that the entire system be reorganized concurrent with a major renovation project. At that time, the economic feasibility of recovering energy from the exhaust air to pre-treat incoming air should be evaluated. Should a major renovation not occur, it is recommended that the exhaust fans be scheduled for eventual replacement due to their age.

- Central Air Handling Units

The two central air units in the building are original construction. AC-1 is a constant-volume, heating & cooling, dual-duct unit comprised of constant-volume fan with a steam pre-heat coil, and parallel chilled-water cooling and steam heating coils. The unit originally served approximately 1/3 of the basement and 1/3 of the first floor in the south wing of the building. The ductwork and dual-duct boxes serving the 1st floor have been removed as part of a 2006 renovation project.

AC-2 is a constant-volume, heating & cooling unit comprised of constant-volume fan with a steam pre-heat coil, chilled-water cooling coil, and steam re-heat coil arranged in series. The unit originally served approximately 1/2 of the first floor in the south wing of the building. The ductwork was revised to cover the entire 1st floor and variable-volume & temperature (VVT) terminal units were added as part of the 2006 1st floor renovation project. The AC unit was not modified as part of this renovation.

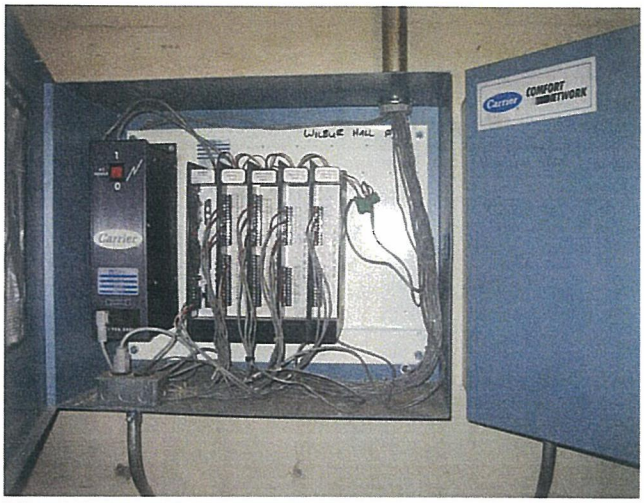
Both AC units have exceeded their normally anticipated useful service lives.

In the short term, it is recommended that the units be inspected and serviced frequently in an effort to maintain reliable operation with limited downtime due to failures despite their age. In the long term, it is recommended that the units be replaced.

- Ventilation Air Units

The areas of the building not being served by the central air handling units are served by classroom unit ventilators and/or packaged fan & coil H&V units. These units were generally provided as part of the original construction and they have reached the end of their normally anticipated useful service lives.

In the short term, it is recommended that the units be inspected and serviced frequently in an effort to maintain reliable operation with limited downtime due to failures despite their age. In the long term, it is recommended that the units be replaced.



Wilber Hall - Pneumatic System

- Chiller & Cooling Tower

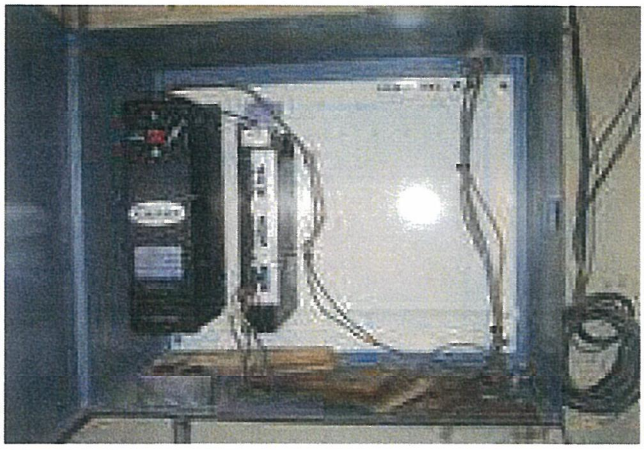
The original 60-ton chiller and matching cooling tower were undergoing replacement during our survey of the building. The new equipment should provide approximately 20-25 years of service before refurbishing is required.


Wilber Hall - Pneumatic System

- Temperature Controls

The majority of the building is served by pneumatic controls. The pneumatic system is mostly original. Direct digital controls (DDC) have been overlaid to control newer equipment and certain time-clock functions of the original system. The controls provided as part of the original construction have reached the end of their normally anticipated useful service lives.

In the short term, it is recommended that the controls be inspected and serviced frequently in an effort to maintain reliable operation with limited downtime due to failures despite their age. In the long term, it is recommended that the conversion from pneumatic to DDC be continued as the equipment being controlled is replaced.


Wilber Hall - Pneumatic System

PLUMBING OBSERVATIONS

- Interior Domestic Water System

The domestic water piping is generally original construction (circa 1963) with modifications to accommodate subsequent renovations (circa 2007). While no specific integrity problems were apparent or reported, the piping and valves have exceeded their normally anticipated useful service lives. The building water entrance does not have a reduced pressure backflow preventer.

In the short term, it is recommended that the piping and valves be inspected frequently for leaks, and serviced to maintain proper operation. In the long term, it is recommended that the piping and valves be replaced, and a reduced pressure backflow preventer be provided. To minimize construction costs, the replacement should occur concurrently with a major renovation project.

- Interior Sanitary Sewer System

The sanitary sewer piping is generally original construction (circa 1963) with modifications to accommodate subsequent renovations (circa 2007). While no specific integrity problems were apparent or reported, the piping has exceeded its normally anticipated useful service life.

In the short term, it is recommended that the piping be inspected frequently for leaks and serviced to maintain proper operation. In the long term, it is recommended that the piping be replaced. To minimize construction costs, the replacement should occur concurrently with a major renovation project.

- Storm Water System

The storm water piping and roof drains are generally original construction (circa 1963). While no specific integrity problems were apparent or reported, the piping and roof drains have exceeded their normally anticipated useful service lives.

In the short term, it is recommended that the piping and roof drains be inspected frequently for leaks and serviced to maintain proper operation. In the long term, it is recommended that the pipe and roof drains be replaced. To minimize construction costs, the replacement should occur concurrently with a major renovation project.

- Compressed Air System

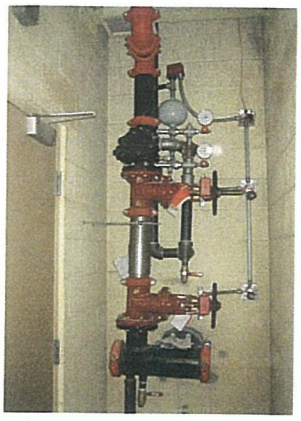
The compressed air piping and air outlets are generally original construction (circa 1963). Most of the piping and outlets have been removed or abandoned. There are only a few outlets still in operation. The age of the air compressor is unknown, but it appears to be in need of repair. While no specific integrity problems were apparent or reported, the piping, outlets, and compressor have exceeded their normally anticipated useful service lives.

In the short term, it is recommended that the piping, outlets, and compressor be inspected frequently for leaks and serviced to maintain proper operation. In the long term, it is recommended that the piping, outlets, and compressor be replaced. The abandoned piping should also be removed. To minimize construction costs, the replacement should occur concurrently with a major renovation project.

- Natural Gas System

The building has a gas regulator located on the exterior. The gas service enters the building at a reduced pressure and is distributed to all floors. All the gas piping and outlets are abandoned.

It is recommended that all the abandoned piping and outlets be removed and the service be capped inside the building for future connection. To minimize construction costs, the replacement should occur concurrently with a major renovation project.



Wilber Hall - Fire Valves

Wilber Hall - Fire Valves

- Fire Protection System

There is a new fire service serving the building. The building has no sprinkler coverage. Each floor is equipped with a fire valve cabinet. Within the cabinet is a 1-1/2" hose valve and a fire extinguisher (the existing hose has been removed). The fire valve is supplied by the domestic water service.

In the short term, it is recommended to test the fire hose system to assure proper working condition and pressure. In the long term, it is recommended to provide sprinklers throughout the entire building, and to disconnect the fire valve cabinet from the domestic water service and connect it to the new fire service. To minimize the construction costs, the fire protection work should occur concurrently with a major renovation project.

- Plumbing Fixture and Trim

Most plumbing fixtures and trim, including water closets, urinals, lavatories, water coolers, sinks, and janitor sinks are generally original construction (circa 1963) except for the 2007 renovations. While no specific integrity problems were reported, and the original fixtures and trim appear to be in good condition, they have exceeded their normally anticipated useful services. Most of the original fixtures are not the "low-flow" type. The water closets are wall mounted with concealed, lever handle flush valves. The urinals are wall mounted with exposed lever handle flush valve. The lavatories are wall mounted. Some have single lever mixing faucets and some have two faucets with "cross" handle. The janitor sinks are wall mounted with wall mounted faucets. There are electric water coolers located in the corridors. No original toilet rooms appear to be fully ADA accessible (i.e., mounting heights of water closets, urinals, and lavatories).

In the short term, it is recommended that the original faucets, flush valves, waste and water piping be inspected frequently for leaks and serviced to maintain proper operation. In the long term, it is recommended that original fixtures be replaced with standard and accessible ADA fixtures; the original flush

valves be replaced with exposed sensor-operated flush valves; the original lavatory faucets be replaced with sensor-operated faucets; and the original electric water coolers be replaced with dual height, ADA accessible water coolers. To minimize construction costs, the replacement should occur concurrently with a major renovation project.

- Diesel Fuel System

There is an abandoned, 1,500 gallon, underground diesel fuel storage tank located at the northwest corner of Wilber Hall. This tank has a buried fuel oil supply and return piping terminating in the Electric Switchgear Room located in the basement.

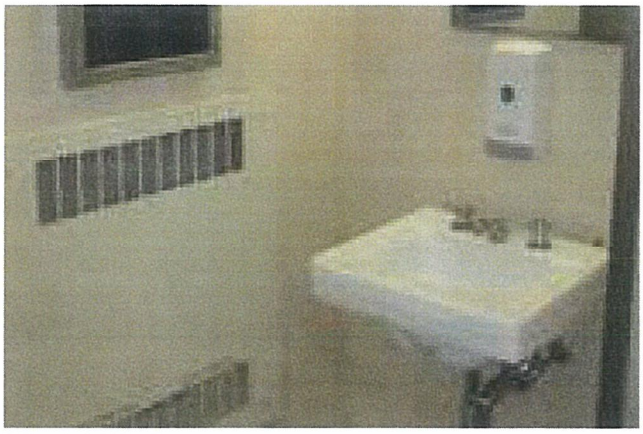
It is recommended that tank, piping, and any associated contaminated soil be removed from the site. The excavation from the tank and pipe removal should be backfilled and returned to its pre-excavated status.

- Emergency Generator

There is an existing emergency generator located in the Electrical Switchgear Room in the basement. This generator is supplied by a 55 gallon diesel fuel oil storage tank adjacent to the generator. The age of the generator is unknown, but it appears to be original to the 1963 construction.

It is recommended that the emergency generator and 55-gallon storage tank be replaced with an upgraded generator with a 275 gallon storage tank with an exterior fill line.

Wilber Hall - Toilet Room



Wilber Hall - Toilet Room

Wilber Hall - Toilet Room

Wilber Hall - Fire Alarm Panel

ELECTRICAL OBSERVATIONS

Electric Service

The electric service to the building was replaced in 2001. The electric service consists of a 13.2KV primary voltage feeder enter the building underground and terminating in a primary voltage loop switch. This loop switch also has feeders going to Park Hall and Syngg Hall. The main electric switchboard is comprised of a 750KVA, 208/120volt dry type transformer, 3000A-3 pole main secondary circuit breaker and a two section circuit breaker type distribution sections. The building distribution system is rated 208/120 volts, three phase, four wire at 60Hertz.

There is no short term or long term needs for the electric service and main distribution switchboard except for regular maintenance.

Electric Distribution

The last major upgrade to the building electrical distribution system was in 1964 when panel boards were added to supplement the existing original panel boards. Parts of the first floor have been renovated this year. This system is beyond its normal life expectancy. The distribution system is not adequate to accommodate today technology needs, such as clean computer power for PC's, Video Projectors, smart boards, data network systems and LCD monitors and televisions.

There is no short term recommendation. The long term recommendation is to replace the entire electric distribution system and enhance the distribution system to meet the needs of present day equipment.

Lighting

The majority of the lighting system consists of fluorescent type light fixtures. There are various styles of fixtures ranging from recessed to surface mounted and also pendant mounted. Most

student occupied areas of the building seem to have adequate lighting levels with the exception of the main corridors. The main corridor lighting levels are below recommended lighting levels set by IES (Illuminating Engineering Society). A majority of the fluorescent lighting fixtures have yellowed acrylic lenses.

The short term recommendation is to replace nonfunctioning lamps/ballast as needed. The long term recommendation is to replace all lighting with high energy efficient type fluorescent lighting fixtures.

- Emergency and Exit Lighting

The building has emergency lighting and exit signage throughout and is supply by an emergency generator. The generator serves a life safety panel board which in turn supplies power to all the exit signs and emergency power. The operation of the emergency lighting system was not observed.

There is no short term recommendation. The long term recommendation is to replace all the exit signs with energy efficient LED type exit signs. Replace the emergency distribution system including generator, panel boards, feeders, branch circuits and devices.

- Fire Alarm System

The fire alarm system consists of a main fire alarm panel located in the main electric room in the basement. The main fire alarm panel is a Simplex 4100U which was installed within the past two years. The building has horn type signaling devices, pull stations and smoke detection devices throughout. The pull stations do meet the requirements set forth by ADA for height. No visible signaling devices were observed.

There is no short term recommendation. The long term recommendation is to reuse the existing main fire alarm system, but replace all signaling and initiating devices throughout the building.

EXISTING BUILDING CONDITION SURVEY, MAHAR HALL

INTERIOR OBSERVATIONS OF THE COUNSELING AND PSYCHOLOGICAL SERVICES DEPARTMENT

Corridor 301 and 322

The ceiling is a new 2x2 suspended ceiling system that is in excellent condition. The floor is 9x9 vinyl composition tile that is in good condition. The walls are plaster and are in good condition with some repair required in Corridor 301. The rooms have door hardware that is not handicapped accessible. In the short term, it is recommended that the door hardware be replaced with handicapped accessible hardware, and the plaster wall in Corridor 301 be repaired.

Mahar Hall

Room 301A, Library

The ceiling is an exposed waffle construction ceiling with acoustic panels set within the ribs with some minor cracking at the rib intersections. The ceiling at the northwest corner of the room has water damage. The walls are plaster and are in good condition. The floor is 9x9 vinyl composition tile that is in good condition. The door and frame are metal and in good condition. In the short term, it is recommended that the source of water be determined, repaired, and the area of water damage be repaired.

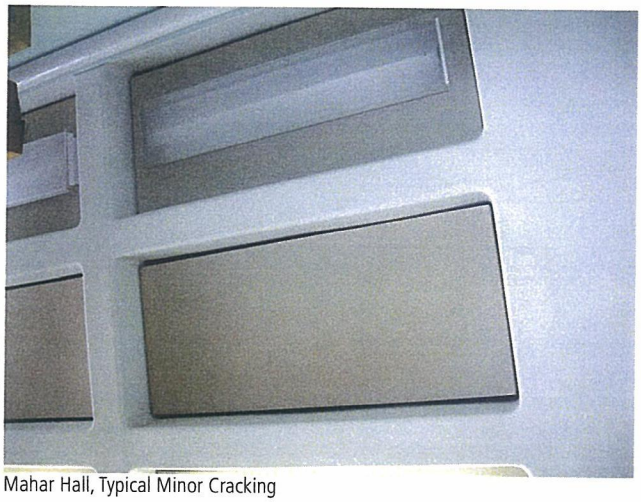
Mahar Hall, Typical Finish/Lifespan

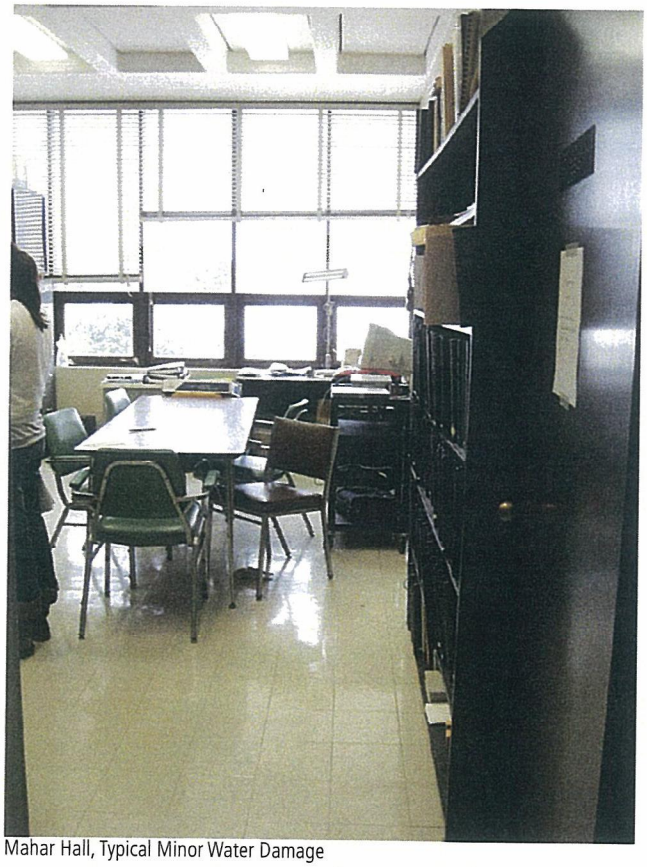
Room 301B, Graduate Assistant Office

The ceiling is a new 2x2 suspended ceiling system in good condition. The walls are plaster and are in good condition. The floor is carpeted and in poor condition. The door and frame are metal and in good condition. In the short term, it is recommended the carpet be replaced.

Rooms 321CPS Main Office, 321A CPS Work Room, 321B CPS Chair

The ceiling is an exposed waffle construction ceiling with acoustic panels set within the ribs with some minor cracking at the rib intersections and pealing paint near the window. The walls are plaster and in good condition. The floors are 9x9 vinyl composition tile with some areas of floor patch with the exception of Room 321 that is carpeted and in poor condition. The doors are in good condition. In the short term, it is rec-


Mahar Hall, Typical Minor Cracking


Mahar Hall, Typical Minor Water Damage

ommended that the area of pealing ceiling paint be repaired, the flooring be replaced, Room 321B carpet be replaced, and handicapped hardware be installed at the doors.

Rooms 322A, 322B, 322C, 322D, 322D, 322E, 301C, 301D, Observation Rooms

The ceilings are 1x1 z-spline ceiling systems that are in fair condition with the exception of 322D and 322E that have new 2x2 suspended ceiling systems that are in excellent condition. The walls are plaster and in good condition. The flooring is carpet and is in poor condition with the exception of Room 301C that has 9x9 vinyl composition tile flooring that is in good condition. The room to room window glazing is in good condition. The window treatment is in fair to poor condition. The doors and frames are metal and are in good condition, with no handicapped accessible knobs. In the short term, it is recommended that the 1x1 z-spline ceiling systems be replaced, the window treatments be replaced, handicapped accessible door hardware be installed, the carpet be replaced, and the room windows be cleaned.

Room 322F, Classroom

The ceiling is an exposed waffle construction ceiling with acoustic panels set within the ribs with some minor cracking at the rib intersections. The walls are plaster and are in good condition with some cracking near the door. The floor is carpeted and is in poor condition. The doors and frames are metal and in good condition with some chipping paint. In the short term, it is recommended that the crack in the wall near the door be repaired, and the carpet be replaced.

Rooms 406, 408, and 410, Offices

There is significant water damage to these offices and there is an odor issue in the rooms. In the short term, it is recommended that the source of the water be determined and repaired, and the areas of water damage be repaired.

5. Surveys and Studies

Elevator Survey

OSWEGO
STATE UNIVERSITY OF NEW YORK

ASHLEY McGRAW
ARCHITECTS P.C.

OSWEGO STATE COLLEGE
WILBUR HALL
ELEVATOR EVALUATION 2007

DESIGN EVALUATION REPORT
APRIL 17, 2007

ELEVATOR CONSULTANTS

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I. INTRODUCTION

CNY Elevator Consultants, LLC (CNYEC) is pleased to provide you with this Design Evaluation Report for the freight elevator located at Wilber Hall, Oswego, NY. This evaluation report is based on field inventory completed by CNYEC on Friday March 23, 2007. The evaluation contained herein is specific to this location only and is not intended to be a substitute for required inspection, testing, or qualified design of new or existing materials, methods, or systems.

The existing elevator is a Westinghouse overhead traction freight elevator constructed in mid-1960 by Westinghouse Elevator Company's Syracuse N.Y. division. Westinghouse's elevator business was purchased by Schindler Elevator Company in 1989. The 1960 elevator design was intended for use as a freight elevator and reportedly utilized for moving large fabrication equipment as part of the college's industrial arts shop classes. Maintenance on the equipment appeared to be very good; however the lack of current safety inspections by an independent QEI certified inspector at the New York State required inspection frequency could be considered a safety concern.

Freight elevators of this vintage were designed for extremely heavy use and have performed very well over time therefore retention of some of the structural components of this elevator is recommended. At the time of construction the use of extra heavy structural components on these types of elevators was common; while today's structural design is geared more toward value engineering. The cost to install an equivalently designed freight elevator would likely be prohibitive in today's dollars. The existing 8,000 lb capacity makes this elevator ideal for virtually any anticipated vertical lifting work and the existence of the very large eight foot-wide by seven foot-high entrances with bi-parting doors makes this freight design an ideal conveyance for movement of large materials. This design however, is not intended for use by the public as a means of accessible vertical travel and does not meet the current requirements of the American's with Disabilities Act Accessible Guidelines (ADAAG).

II. EXISTING ELEVATOR CONDITION SUMMARY

CONTROLLER

The existing controller equipment has exceeded its useable lifespan. Maintenance on the equipment can be labor intensive and mechanical component replacements are becoming increasingly difficult to obtain. Maintenance records obtained by CNYEC from the College indicate intermittent problems with modest component failures which indicate that reliability will continue to be a concern. A major controller component failure could cause a significant shut down for repairs which may be acceptable to the College if the car were used exclusively as a freight elevator, but would likely not be acceptable if the car were modified to be made available to the general public. Additionally, if the elevator were to be altered for passenger use the controller replacement would be required to provide code compliant door operation and fire service functions. In any case, a complete modernization of the controller equipment and door operator should be considered sooner than later.

Currently, the State University of New York requires that elevator controls be provided with non-proprietary microprocessors. Recent issues with proprietary microprocessors have caused SUNY to mandate state-wide that future elevator controllers be provided only by manufacturers that are non-proprietary. CNYEC supports SUNY's decision in this matter, however it must be understood that the upfront costs for non-proprietary controls can add to the initial capital investment of new equipment which may not always seem outwardly recoverable over the life of the equipment. Propriety microprocessor controls generally include those functions operated by software functions such as the elevator controller, door operators, infrared door detection, and some call fixture applications. It should be noted here that traction elevators are inherently more reliant on software tools for their operation than hydraulic elevators and therefore are more likely to be worth the additional upfront expense for non-proprietary controls.

It is expected that if the elevator were maintained as a freight elevator the increased up-front expense to provide non-proprietary microprocessor controls would not be significant. If the entire elevator was replaced, or a new elevator installed in its entirety, there would likely be a significantly lower initial expense for proprietary equipment. The overall savings from expected lower maintenance costs for non-proprietary equipment and the ability of the Owner to select their own maintenance company over the life of the elevator may not necessarily offset the initial additional capital expense.

CAB

The cab finishes are a good design for a freight elevator, however if the elevator were to be used in the future as part of an accessible path the cab would have to be replaced to permit the slightly smaller platform necessary to provide adequate space for horizontally opening doors mounted inside the hoistway. If the car were replaced with a passenger service style design, it should be provided with similar finishes to the existing which are durable enough to permit continued use for material handling; however some aesthetic improvements could be included.

DOORS

The existing car and freight doors are in good condition and can be retained if the car is maintained as a freight-only design. The door operator for the freight doors should be considered as part of the modernization if the freight elevator configuration is retained, however this would likely require replacement with new bi-parting doors and tracks. The use of bi-parting freight doors is not acceptable for use in a passenger elevator by the ASME A7.1 Elevator Safety Code. It is also required by ANSI A117.1 Accessible and Useable Buildings and Facilities to use only horizontally sliding doors whenever the elevator is considered to be part of an accessible path. If it is decided that the elevator should be converted into a passenger service elevator, a standard large-opening horizontally sliding 4 ft-6 inch door design could be provided. If a larger door is required for material access it is expected that a custom designed horizontally opening door of up to 5 ft in width is possible, however the costs would be somewhat greater.

LIFTING COMPONENTS

The existing hoist motor was repaired by Auburn Armature about 5 years ago; likely it was just re-wound to extend its lifespan. The machine currently appears to be in good working order. Although the equipment appears to be acceptable for the short term, a loss of a major component within the worm gear would likely cause a significant down time for repairs. Due to the age of the equipment a replacement of the hoist machine and motor at the time of controller replacement is recommended. It is likely that an increase in the current 75 Foot per Minute (FPM) hoist machine could be increased to 150 FPM. Due to the current travel distance of about 41 ft. an increase in car speed should be considered if the elevator is to be used for passenger service. The hoist cables appear to require inspection at this time and replacement when the machine is replaced is recommended.

CALL STATIONS

The hall and car operating fixtures appear to be adequate for maintaining as a freight elevator, however replacement would be required as part of a modernization to a passenger accessible elevator. A passenger elevator would require that all call fixtures meet the current standards for accessible elements and also be provided with fire service functionality.

SAFETY COMPONENTS

The most recent test tags indicate that regular QEI-certified inspections and witnessing of safety tests has not been performed at the New York State required frequency. The operation of the car safeties could therefore not be verified by CNYEC at the time of this inventory. Additionally, it is recommended that periodic inspections and witnessing of tests be performed by a New York State approved independent QEI-certified elevator inspector as soon as possible to verify proper operation of all safety systems. Any new controller will require the addition of new safety devices to prevent unintended movement and/or ascendant overspeed conditions.

STRUCTURAL COMPONENTS:

The original hoistway structural components, such as guide rails were of very durable construction and intended to last a life time. The rails and supports should be retained with the exception of the buffer support pit channel which has been damaged by rust. It may be possible that the pit channel can be retained and refurbished; however a closer inspection is required. The existing buffers should be retained. The car sling is of extra heavy duty design and should also be retained. The existing sheaves appeared to be in good condition and can be retained.

MISCELLANEOUS COMPONENTS:

The governor should be replaced as part of any renovation.
The wiring and traveling cables should be replaced as part of any controller upgrades.

III. CODE PROVISIONS

General Code provisions:
Building Code at time of Construction: New York State Building Code
Elevator Code at time of Construction: ASME A17.1-1960 Edition.

Current Applicable Building Code References:
Article 18 Executive Law New York State Uniform Fire Prevention and Building Code Act 377
Title 19 NYCCR Subchapters:

- 1221 Building Code of New York State - 2006 edition
- 1227 Existing Building Code of New York State -2006 edition
- 1225 Fire Code of New York State - 2006 edition
- 1222 Plumbing Code of New York State – 2006 edition
- 1223 Mechanical Code of New York State – 2006 edition

Current Applicable Reference Standards (At time of Proposed Modernization):

- ANSI A117-2003 edition Accessible and Usable Buildings and Facilities
- ASME A17.1a-2005S edition Safety Code for Elevators and Escalators
- NFPA 70-2005 edition National Electric Code
- NFPA 72-2002 edition National Fire Alarm Code
- NFPA 13-2002 edition Automatic Sprinkler Systems

Current Construction Classification:

- Occupancy: Business
- ICC Construction type: Type I B (2, 2, 2)
- Seismic Design Category: Existing

Insurance Requirements: N/A

IV. OPINION OF PROBABLE COST

(Elevator Construction Cost only):

Option 1: Maintain Existing Freight Car and upgrade controls: $125,000 (Assumes replacement of door controller, doors and tracks. Costs would be about $50,000 less if the doors and tracks could be retained.)

Option 2: Convert Existing Freight Elevator to Passenger accessible Service Elevator: $185,000 assumes 4'-6" door openings

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V. SUMMARY OF ANCILLARY SYSTEM UPGRADE RECOMMENDATIONS

5.1 ELECTRICAL:

The existing 100 Amp fused elevator controller disconnect switch in the machine room is likely adequate to retain. The wiring appeared in good condition, however it is required that any new controller be properly grounded which is not currently available. In the event that fire sprinklers were extended into the machine room the existing disconnect would require replacement with a listed shunt trip disconnecting means.

A new lockable disconnect for the car's lighting and ventilation is required to be located in the elevator machine room. Existing circuits can to be extended from a 15amp local circuit. An emergency power circuit is preferable where available.

A GFCI protected duplex convenience outlet and damage resistant light fixture is required to be located in the machine room. The GFCI duplex outlet is not permitted to disconnect the machine room lighting in the event of circuit failure. An existing local 15 amp circuit can be extended.

A GFCI protected duplex convenience outlet and damage resistant light fixture are required to be located in the pit. Circuit failure of the duplex outlet is not permitted to disconnect the pit lighting. An existing local 15 amp circuit can be extended.

A new outlet is required for a new sump pump power which is not permitted to be connected to a GFCI circuit. An existing local 20 amp circuit can be extended

If a new sprinkler is extended into the pit, all electrical devices are required to be located not less than 4'- 0" above the pit floor.

5.2 FIRE ALARM:

Where fire service is provide on new or renovated elevators the elevators are required to be automatically recalled by initiation of fire alarm initiation devices located not greater then twenty-one (21) feet from each elevator landing door. For this location, the initiation device is required to be a smoke detector. Initiation of any designated recall initiation device(s) other than those located at the designated landing shall initiate a signal to all cars serving that floor to recall to the designated landing. Designated recall device(s) located at the designated landing shall initiate a signal to all cars serving that floor to recall to the alternate landing. Owner is required to verify selection of designated recall landings with local fire service.

Smoke detection device(s) are required in the elevator machine room to initiate recall to the designated landing. All fire alarm initiating devices located in the hoistway, if required, and/ or machine room shall initiate the flashing fireman's warning signal located in each elevator car served by that machine space.

If a sprinkler system is extended into the elevator machine room, installation of 135° degree Fahrenheit fixed temperature heat detector(s) are required located at a distance not greater than two (2) feet from each sprinkler head throughout the machine room and hoistway where sprinklers are installed. The heat detector(s) should be so arranged as to initiate recall of the elevators upon detection. A flow switch capable of initiating a signal to immediately disconnect power to all elevators located within the machine rooms or machine spaces containing sprinklers prior to application of water without a time-delay is required. The use of devices not specifically listed for fire protection is not acceptable.

The addition of designated fire alarm modules for device relay circuits is required. All circuits are required to be integrated with the building's fire alarm system and monitored for continuity. The loss of continuity shall initiate a trouble signal at the fire alarm panel.

A review of the existing fire alarm circuiting and manufacturer is required

5.3 HVAC:

Hoistway ventilation is not required for fully sprinklered (B) occupancies. If sprinklers are in not installed however hoistway ventilation may be required. It is not permitted to ventilate smoke from the hoistway to the machine room; ventilation must be directly to the outside air.

It is recommended that the existing machine room window be removed and a louvered smoke damper be provided to allow sufficient fresh air and exhaust to maintain the room between 50° and 85° non-condensing. Air conditioning should not be necessary.

5.4 COMMUNICATION:

An extension of the existing building communication system in the machine room is required if emergency two way communication service is provided. Emergency communication from the elevator car to a 24-hour attended location would be required if the elevator is converted to passenger accessible. Existing circuits may be extended from a local source.

5.5 PLUMBING:

A new sump pump is required in the elevator pit if emergency fire service operation is provided as part of any required elevator controller modernization. The sump pump discharge may not be directly connected to drains and the location of the discharge is required to be connected to a sanitary drain. Sump pumps should be of adequate size to remove water from fire fighting operations for a reasonable enough period to prevent significant accumulation of water in the pits; generally a 3/4HP pump is sufficient for the size of the pit at this location. Sump pumps may not be connected to GFCI protected outlets.

5.6 GENERAL CONSTRUCTION:

If the existing freight elevator is converted to a passenger type, removal of the existing entrances and door bucks are required. Construction of a new block entrance enclosure, support sills, and painting to support the work of the new elevator hoistway doors at each landing would also be required for the new hoistway door installations. Additionally, all general construction work should include any necessary maintenance to ensure that all hoistway and machine room fire resistance ratings remain in compliance with the fire resistance ratings which were required at the time of original construction. Opening protectives and fire rated assemblies should be maintained to assure proper seals. Patching of the existing hoistway where openings exist are required to be repaired.

If the elevator is provided with fire service a new sump well is required to support the installation of a new sump pump. The well is required to have a steel cover and comply with the Plumbing Code of New York State.

5.7 FIRE PROTECTION:

An ABC-type fire extinguisher is required to be located in close proximity to the machine room entrance. It is recommended that a new 10 lb. ABC-type fire extinguisher be located adjacent to the machine room entrance.

If the elevator machine room is provided with a fire sprinkler the sprinkler heads are required to be provided with standard response two hundred (200°) degree Fahrenheit sprinkler head. The existing supply piping should be arranged so as to provide a flow switch capable of initiating a signal to the fire alarm system immediately upon water flow without a time delay. Where flow switches are used as the means for initiation a check valve is recommended upstream to minimize the potential for accidental power shunt due to surges in water pressure. Where flow switches are provided, a test valve is required down stream from the flow switch for periodic testing of the shunt trip operation.

If a sidewall type sprinkler head is installed in the pit, it is required to be located not greater than 2 ft. above the elevator pit floor. The pit sprinkler is not required to be connected to the machine room shunt trip, however a separate monitored shut off valve and flow switch is recommended. Where sprinklers are located within the pit or hoistway, all elevator electrical devices located in the pit are required to be located not less than 4'- 0" above the pit floor.

VI. INVENTORY

1. CONTROLLER INVENTORY:

General: Westinghouse 8,000lb capacity, Over head Traction Freight Elevator
Original Installer: Westinghouse, Syracuse
Maintenance Company: Schindler Elevator Company
Maintenance Condition: Very Good

Controller Components:
Mid-1960s Westinghouse Mechanical Relay
Fire Service: None
Simplex Operation
Emergency Power: None
May be available
Controller Condition: Poor
Traveling Cables: Neoprene
Condition: Fair

Data Plate Information:
Car Capacity – 8000 lbs
Car Speed: 75 FPM
Car Weight – 9,000
Annual Safety Test tags: Jan. 2006
5-Year Full Load Test Tag: Not Available
Rope Ultimate Breaking Strength: 174,000 lbs

2. COMPONENT INVENTORY

Doors: Hoistway
Continuous Pressure Bi-parting
Rough Opening: 8'-0"W x 7'-0" H

Doors: Car
Steel Gates
Door Operator: Manual
Door Detection: None

Lifting Components:
Westinghouse OHT Type 38, 75 FPM
Condition: Fair
Motor: Model: AUDP, 2-speed AC 20HP 55amps
Condition: Fair
Rails: 18-1/2 Lb
Safeties: Type A

CAB:
Car Size: 8'-0" W x 9'-0" D
Front Operation
Landings: B, 1-3
COP: Freight configuration
Lighting:
Flooring: Wood
Platform: Wood
Walls: Stainless Steel
Emergency phone: none
Ceiling Ht. 8'-0" ft Steel
Platform Size – 8'-0"" W x 9'-0" D (Nominal)

Car Capacity – 9000 lbs
Signage – No Passengers
Ventilation: N/A

3. GENERAL CONSTRUCTION INVENTORY

PIT:
No sump pump not sump well.
Pit light is required to be protected
Pit light switch is required to extended
No Pit ladder
Pit Duplex may not be GFCI
Pit Depth =4'-6"
Nominal Dimensions: 10'-6" W x 10'-2" D (Front to Back)

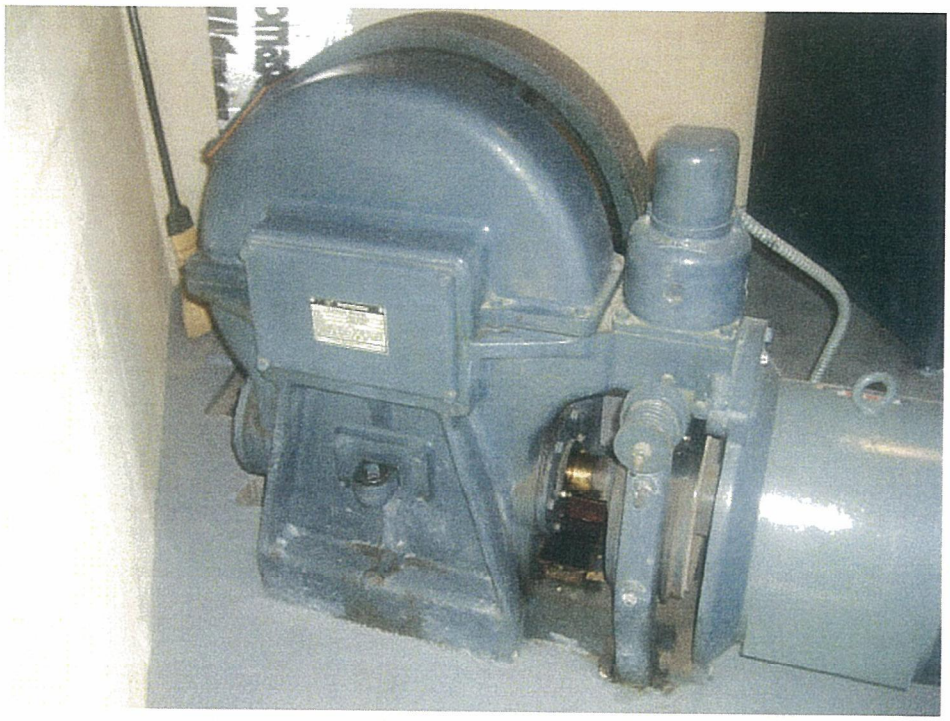
DBG: +/-8'-9-1/2"
Buffer Ht:

Hoistway:
Pit Floor Elevation: + (+0'-0")
B R Level Elevation: + ft. (+4'-11")
F1 Level Elevation: +ft. (+ 17'-11")
2R Level Elevation: +" ft. (+ 31'-11")
2A Level Elevation: +ft. (+ 45'-11")
Top of Shaft +" (+61'-11")
Ventilation: None

Entrances:
Condition: 48" to call button.
Threshold: Diamond plate Steel
Keys: None

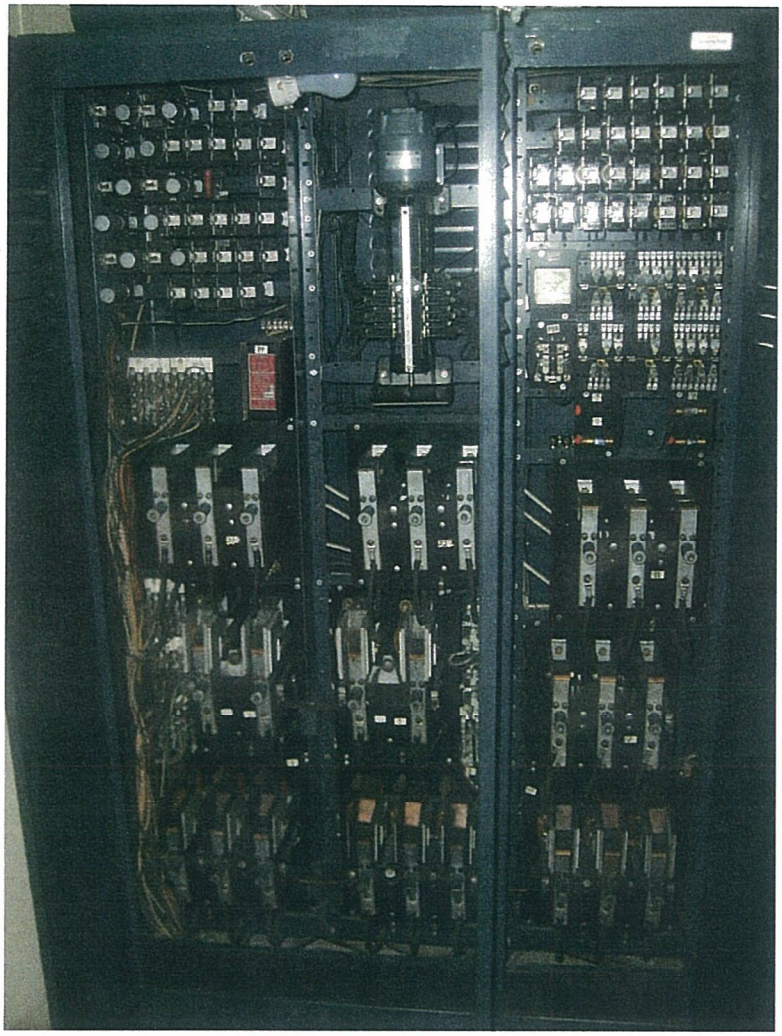
Machine Room:
No sprinklers
No shunt trip
No phone line
No Cab Lighting disconnect. CCT. location not available
Smoke Detector: None. Manufacturer: Pyrotronics/Simplex
Ventilation: None
Fire extinguisher:
Enclosure: CMU with one glass window
Ceiling Ht:
Machine Room Door Clear entry: 3'-0"

VII. PHOTOGRAPHS



Westinghouse
Overhead Traction
machine

ELEVATOR CONSULTANTS
126 North Salina St. Suite 305 Syracuse, NY 13202
Ph (315) 425-0428 Fax (315) 425-1232
www.cnyelevatorconsultants.com



Existing Westinghouse
Elevator Controller

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Cab

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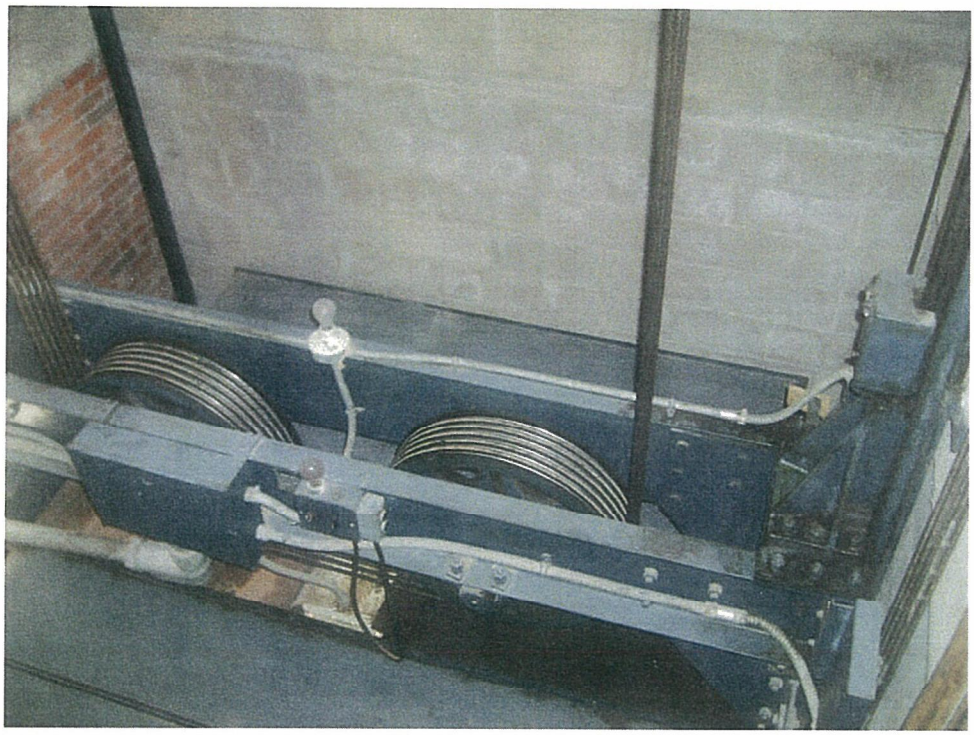

Top of Car 2:1
Roping Sheaves.

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V111. DRAWINGS

V1: Existing Hoistway Plans

V2: Existing Machine Room and Entrance Elevation

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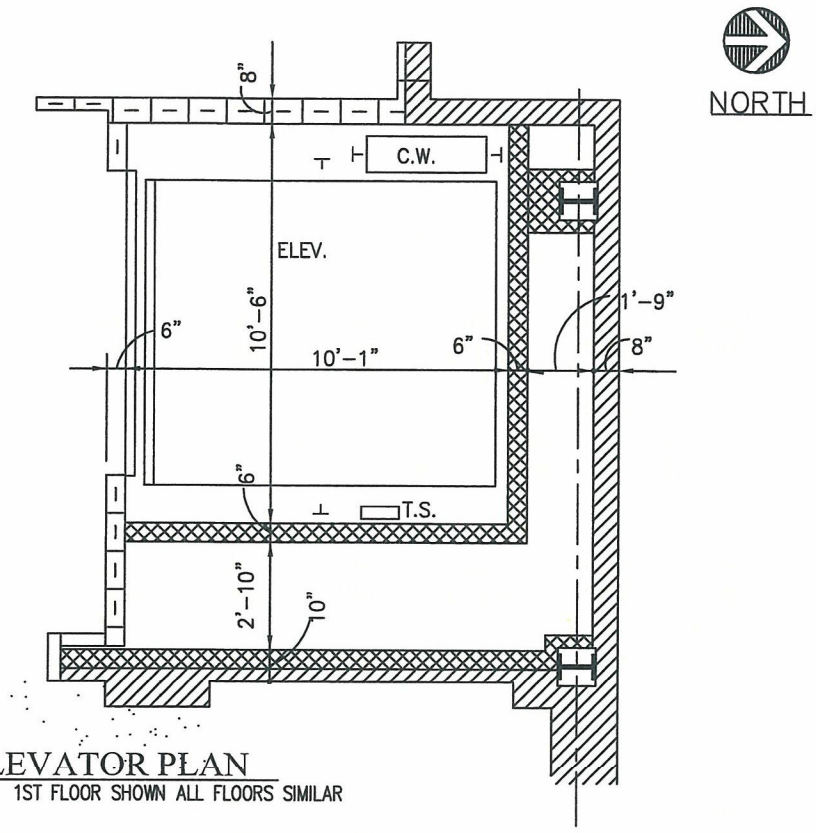
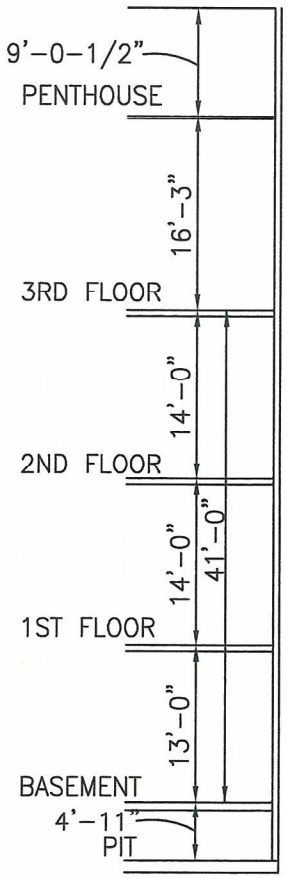


1 / V1 EXISTING ELEVATOR PLAN
SCALE: 1/4"= 1'-0" 1ST FLOOR SHOWN ALL FLOORS SIMILAR

REFERENCE DRAWINGS:
STATE UNIVERSITY OF NEW YORK COLLEGE OF EDUCATION AT OSWEGO. ADDITIONS AND ALTERATIONS INDUSTRIAL ARTS BUILDING BLDG.. NO. 2&9 ELEVATOR DETAILS. LORIMER RICHLAND AND ASSOCIATES, JOSEPH V. FRANCO ARCHITECTS, 19 WEST 57TH STREET, NEW YORK, NEW YORK PROJECT NUMBER 16760 JUNE 3, 1963



1 / V1 EXISTING HOISTWAY SCHEMATIC
SCALE: 1/16"= 1'-0"

DRAWING NUMBER: V1

DRAWING NAME: OSWEGO STATE COLLEGE WILBER HALL FREIGHT ELEVATOR

DRAWINGS ARE FOR CONTRACTOR REFERENCE ONLY. ALL DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR. DRAWINGS ARE FOR THE REFERENCED PROJECT ONLY AND SHALL REMAIN THE PROPERTY OF THE OWNER.

REVISIONS			

DATE: MAY 1, 2007
DRAWN BY: DJW
SCALE: AS NOTED

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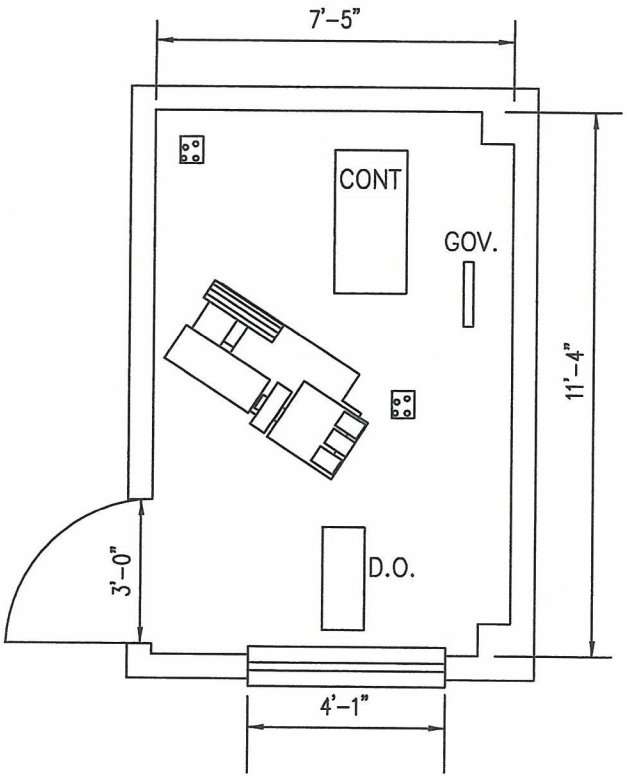
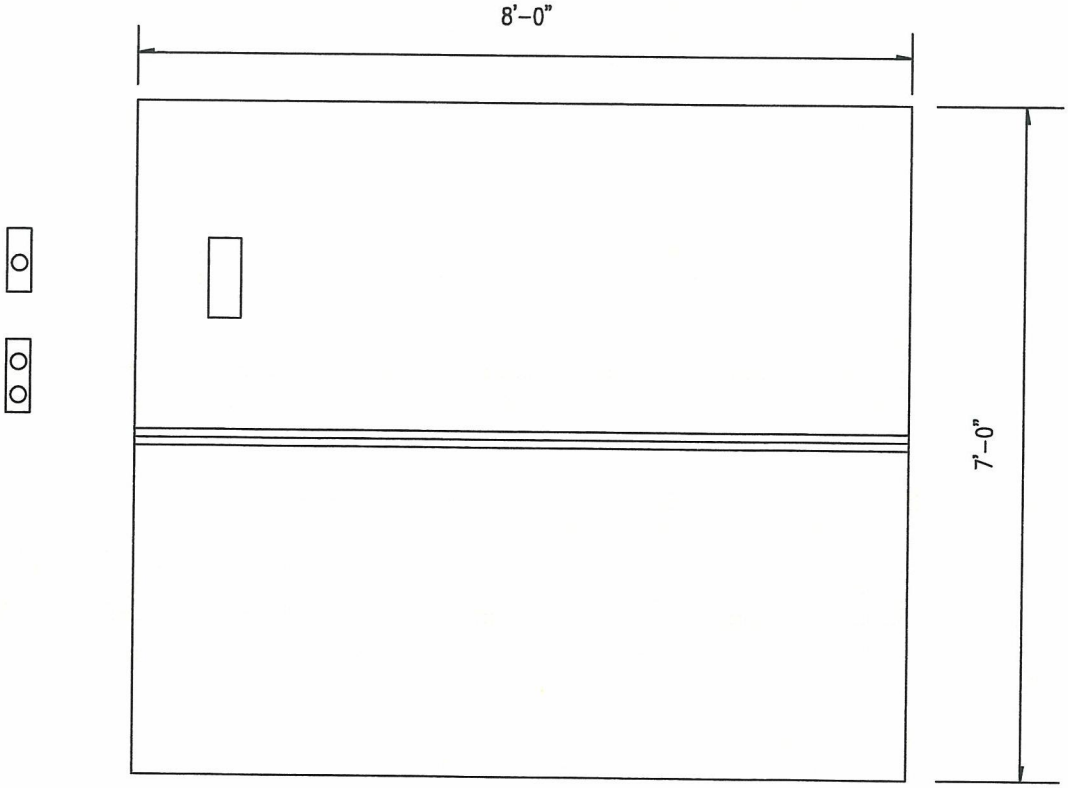
cny Elevator Consultants



NORTH

1/V2 EXISTING MACHINE ROOM PLAN
SCALE: 1/4"= 1'-0"



1/V2 TYPICAL ENTRANCE
SCALE: 1/2"= 1'-0"

DRAWING NUMBER: V2

DRAWING NAME: OSWEGO STATE COLLEGE WILBER HALL FREIGHT ELEVATOR

DRAWINGS ARE FOR CONTRACTOR REFERENCE ONLY. ALL DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR. DRAWINGS ARE FOR THE REFERENCED PROJECT ONLY AND SHALL REMAIN THE PROPERTY OF THE OWNER.

REVISIONS			

DATE: MAY 1, 2007
DRAWN BY: DJW
SCALE: AS NOTED

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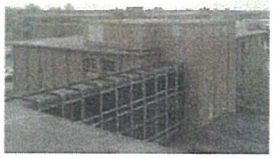

5. Surveys and Studies

Environmental Survey

OSWEGO
STATE UNIVERSITY OF NEW YORK

ASHLEY McGRAW
ARCHITECTS P.C.

PRE-RENOVATION SURVEY

FOR

ASBESTOS-CONTAINING MATERIALS

AND

LEAD-BASED PAINT

FOR THE

PROGRAM STUDY

AT

WILBER HALL

AT THE

STATE UNIVERSITY OF NEW YORK AT OSWEGO

OSWEGO, NEW YORK

NOVEMBER 2007

Prepared For:

Ashley McGraw Architects, P.C.
500 South Salina Street
Syracuse, New York

For Submission To:

State University of New York at Oswego
Oswego, New York

Prepared By:

WATTS
ARCHITECTURE & ENGINEERING, P.C.

3826 Main Street
Buffalo, New York 14226
p: 716.836.1540
f: 716.836.2402

PRE-RENOVATION SURVEY

FOR

ASBESTOS-CONTAINING MATERIALS

AND

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Prepared For:

Ashley McGraw Architects, P.C.
500 South Salina Street
Syracuse, New York

Prepared By:

Watts Architecture & Engineering, P.C.
3826 Main Street
Buffalo, New York

TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY

1.0 EXECUTIVE SUMMARY

Watts Architecture & Engineering, P.C. (Watts) was retained by Ashley McGraw Architects, P.C. to perform a pre-renovation survey for asbestos-containing materials (ACM) and lead-based paint (LBP) of Wilber Hall on the campus of the State University of New York at Oswego, in Oswego, New York. The purpose of the survey was to determine the presence, location and quantity of ACM for a program study of the building.

The field survey was conducted on September 10 through 13, 2007 and included the following:

- Review of existing records of previously identified asbestos-containing materials
- A visual site inspection to identify suspect ACM in the building.
- Collection and laboratory analysis of samples from each suspect material identified.
- Documentation of sample locations on drawings and chain-of-custody forms.

The inspection included the collection of ninety-five (95) bulk samples accounting for sixty-six (66) homogeneous materials. ACM is defined as any material containing more than one percent (1%) of asbestos. The building consists of classrooms, offices, workshops, storage and mechanical areas. Based on the sample results, the following ACM were identified:

ASBESTOS-CONTAINING MATERIALS (Types and quantities that may be impacted by this project only)

- Sprayed-On Fireproofing throughout the basement and 2nd floor and portions of the 1st floor (approximately 29,500 square feet). Some abatement has been completed in the building.
- Plaster basecoat throughout the building (approximately 45,000 square feet).
- Window caulk and glazing compound on aluminum windows in lobby areas and entry vestibules only (approximately 31 windows/doors)
- Black sink coating room 160, 163, 251, 352A, 353 & 353A (approximately 6 sinks)
- Brown and tan 9"x9" floor tile and associated black mastic (approximately 2,830 square feet)
- Vibration dampeners on mechanical equipment in the penthouse (approximately 20 dampeners)
- Tan mastic on insulation hangers on metal ductwork in Room W-B24 (approximately 5 square feet of mastic on 160 square feet of metal duct. Insulation has been previously removed.)
- TSI pipe insulation in Steam tunnel exiting from room W-B24(quantity unkown)

- Tan and green 12"x12" floor tile and associated black mastic and tar paper (approximately 2,900 square feet).
- Expansion joint caulk between concrete roof sections (approximately 6100 linear feet).
- Gray caulk on metal roof flashing (approximately 530 linear feet)
- Black foundation waterproofing (approximately 13,250 square feet)
- Elevator Brake Shoes (1 Pair)
- Transite pieces inside elevator control panels(2 panels)

NON-ASBESTOS-CONTAINING MATERIALS

The following materials were determined not to be ACM:

- Smooth plaster
- Roofing materials including vapor barrier, roof cement, and black penetration and flashing caulk.
- Light and dark gray perimeter window caulk on main building windows except noted above.
- Gray window glazing compound on main building windows except noted above.
- Drywall and associated joint compound
- 12"x12" ceiling tile and associated brown mastic dots
- 2'x2' ceiling tiles
- Black terrazo floor and stair treads
- 6" brown covebase and associated brown mastic
- 4" tan covebase and associated brown mastic
- Yellow carpet mastic
- Ceramic tile grout and mortar
- Black mastic under wood flooring
- Tan stair treads and associated brown mastic
- Gray 12"x12" floor tile with yellow mastic
- Tank Insulation in the penthouse
- TSI mud pipe fitting insulation on fiberglass insulated pipe
- Black caulk/sealant behind radiator covers in bathrooms
- Brown sprayed-on fireproofing in penthouse
- Black sink coating in rooms B6-B11

OTHER SUSPECT ASBESTOS-CONTAINING MATERIALS

Based on past experience and the history of the use of asbestos, some suspect materials may be present and not able to be tested at the time of our visit. These materials would require extensive destructive methods to access the suspect material. The following items should investigated prior to renovations:

- Waterproofing material beneath ceramic floor base material
- Ceramic tile floor mortar base
- Waterproofing behind the brick building exterior
- Waterproofing materials beneath terrazzo floor material
- Vapor barrier material beneath concrete floor slabs

The samples collected and the conditions noted reflect the areas that Watts personnel observed. In the event other suspect materials are identified during the construction period, Watts recommends these materials are sampled and analyzed for asbestos content.

Floor-plan drawings, chain-of-custody forms, laboratory results, laboratory accreditation, and consultant's certifications and license are also included in the report.

LEAD-BASED PAINT

METHODOLOGY

Painted building components were grouped by testing combinations. A testing combination is characterized by location, component type, substrate, and visible color. Refer to section 3.1 for a complete listing of all XRF readings that were taken for this project.

Each XRF reading is identified by the location of the sample, the component analyzed, the substrate and the paint color of the visible paint film. Side A of a functional space is the North side. The remaining sides are delineated rotating clockwise as Sides B, C & D.

The LBP survey was performed using the Department of Housing and Urban Development (HUD) protocol. Certain aspects of the HUD guidelines are typically applied to public and commercial buildings, most commonly the levels used to establish LBP. HUD defines LBP, when analyzed by a portable XRF, as paint that contains lead at 1.0 milligram per square centimeter or greater. When paint chips are analyzed by Atomic Absorption Spectroscopy (AAS), HUD defines LBP as paint containing 0.5 percent or greater (>0.5%) lead by weight.

XRF CALIBRATION

In order to field verify the calibration and accuracy of the XRF equipment, calibration checks are made both by the equipment itself and by the operator. The XRF equipment will check its calibration by taking a reading from its own tungsten shutter. If the XRF finds a discrepancy in comparing the reading with the manufacturer's calibrated reading for tungsten, the XRF will display a notice to the operator that the equipment is out of calibration. If no discrepancy is found in the XRF self-calibration check, the operator checks the calibration of the XRF against National Institute of Standards and Technology (NIST) lead samples that are provided by the manufacturer. Both the XRF self-calibration check and the operator's calibration checks will appear in the table of XRF readings in section 2.0, as Shutter Cal 1 and Calibration respectively. The operator's calibration checks are taken at the beginning and the end of the survey and these limits are 0.9 to 1.3 mg/cm^2. All calibration readings were within the acceptable limits.

FINDINGS

No components were identified to be covered with lead-based paint as a result of the XRF testing.

Representative XRF readings were taken on select building components throughout the building. In general, the following painted building components were tested:

- Plaster walls and ceilings
- Concrete walls
- Drywall walls and soffits

- Glazed block walls floors
- Ceramic tile walls, floors, and covebase
- Piping and associated stands/hangers
- HVAC ductwork, fans , vent grates, etc
- Unit ventilators
- Stair railings
- Electrical panels
- Elevator equipment
- Radiator covers
- Structural steel
- Doors and door jambs

DISCLAIMER

This report is based primarily on the results of visual site observations and a general survey of the conditions within Wilber Hall on the campus of the State of New York at in Oswego, New York. A representative lead-based paint survey of the interior and exterior building components was performed. Watts did not perform a comprehensive inspection (room by room) of all interior and exterior building components. Representative XRF readings were taken from each distinct type of building component associated with the building in order to be able to determine if those components were covered with lead-based paint.

The lead-based paint survey was performed by Watts on September 10 and 11, 2007.

Mark Eric McNabb
Lead Risk Assessor

Signature

NY-R-446-1

Certificate Numbers

Address and Phone Number:	Wilber Hall State University of New York at Oswego Oswego, New York
Date of Construction:	1960's

2.0 ASBESTOS-CONTAINING MATERIALS SUMMARY

2.0 ASBESTOS-CONTAINING MATERIAL SUMMARY

This section includes a Homogeneous Materials List and floor-plan drawings. The Homogeneous Materials List includes the homogeneous materials identified, their corresponding sample numbers and whether or not they are ACM.

Bulk sample locations are indicated on the floor-plan drawing.

Results	Type	ACM
NA – Not Analyzed	M – Miscellaneous	Y – Yes
NAD – No Asbestos Detected	S - Surfacing	N – No
ND – None Detected	T - Thermal	
N/A – Not Applicable		

NON-ACM – Final residue of gravimetric reduction <1% of original subsample.

Abbreviations
FT – Floor Tile
TSI – Thermal System Insulation

HOMOGENEOUS MATERIALS LIST
WILBER HALL
STATE UNIVERSITY OF NEW YORK AT OSWEGO

HM #	Material Description	Sample Location	Type	Sample Number	Results (% Asbestos)		ACM Y/N
					PLM	TEM	
1	Black Terrazo Floor	Lobby 131 West Side	M	Y7146-W-01	ND	NA	N
2	Window Glazing Compound	Lobby 131 West Side	M	Y7146-W-02	<1% Chrysotile	1.3% Chrysotile	Y
3	Perimeter Window Caulk – Interior, Hard	Lobby 131 West Side Interior	M	Y7146-W-03	<1% Chrysotile	3.1% Chrysotile	Y
4	Perimeter Window Caulk Exterior, Soft	Lobby 131 West Side Exterior	M	Y7146-W-04	<1% Chrysotile	<1% Chrysotile	N
5	Drywall Joint Compound	Room 160C	M	Y7146-W-05	ND	NA	N
6	Drywall	Room 160C	M	Y7146-W-06	ND	NA	N
7	Black Sink Coating	Room 160	M	Y7146-W-07	2.9% Chrysotile	NA	Y
8	Brown 9"x9" Floor Tile	Room 161	M	Y7146-W-08	2.9% Chrysotile	NA	Y
9	Black Floor Tile Mastic	Room 161	M	Y7146-W-09	NAD	2.5% Chrysotile	Y
10	6" Brown Covebase	Room 162	M	Y7146-W-10	NAD	NAD	N
11	Brown Covebase Mastic	Room 162	M	Y7146-W-11	NAD	NAD	N
12	2'x2' Ceiling Tile	Room 162	M	Y7146-W-12	ND	NA	N
13	Black Asphalt Tar Between Foam Layers	Penthouse Roof	M	Y7146-W-13	NAD	NAD	N
14	Black Asphalt Vapor Barrier Below Foam	Penthouse Roof	M	Y7146-W-14	NON-ACM	NA	N
15	Black Vapor Barrier	3rd Floor Roof	M	Y7146-W-15	NON-ACM	NA	N
16	Black Caulk on Top of Copper Flashing	3rd Floor Roof	M	Y7146-W-16	NAD	NAD	N
17	Black Caulk at Roof Access Door	3rd Floor Roof	M	Y7146-W-17	NAD	NAD	N

HOMOGENEOUS MATERIALS LIST
WILBER HALL
STATE UNIVERSITY OF NEW YORK AT OSWEGO

HM #	Material Description	Sample Location	Type	Sample Number	Results (% Asbestos) PLM	Results (% Asbestos) TEM	ACM Y/N
18	Gray Caulk on Metal Flashing	1st Floor Roof of Lobby	M	Y7146-W-18	1.5% Chrysotile	NA	Y
19	Black Terrazo Stair Treads	Stairs to Penthouse	M	Y7146-W-19	ND	NA	N
20	Vibration Dampener	Penthouse on Large HVAC Unit	M	Y7146-W-20	28.2% Chrysotile	NA	Y
21	Vibration Dampener	Penthouse on Small Fan Unit	M	Y7146-W-21	32.4% Chrysotile	NA	Y
22	Mud Tank Insulation	Penthouse – Small Tank 2'd x 4'l	T	Y7146-W-22 Y7146-W-23 Y7146-W-24	ND ND ND	NA NA NA	N
23	Gray Sprayed-on Fireproofing	Penthouse Roof Deck	S	Y7146-W-25 Y7146-W-26 Y7146-W-27	ND ND ND	NA NA NA	N
24	Tan Mastic on Insulation Hangers	Room W-B24 on Duct with No Insulation	M	Y7146-W-28	17.2% Chrysotile	NA	Y
25	Brown Sprayed-on Fireproofing	W-B23 South W-B23 North W-B24	S	Y7146-W-29 Y7146-W-30 Y7146-W-31	ND ND ND	NA NA NA	N
26	TSI – Pipe Insulation Gray	W-B24 in Steam Tunnel W-B24 in Steam Tunnel W-B24 in Steam Tunnel	T	Y7146-W-32 Y7146-W-33 Y7146-W-34	18% Amosite 22% Amosite ND	NA NA NA	Y
27	Cloth Wrap on Duct Insulation	W-B27	M	Y7146-W-35	ND	NA	N
28	TSI – Mud Fitting Insulation on Fiberglass Insulated Pipe	W-B27 Water Line W-B25 LPS WB19 Chase Dom. Water	T	Y7146-W-36 Y7146-W-37 Y7146-W-39	ND ND ND	NA NA NA	N
29	Old Sprayed-on Fireproofing	W-B25	S	Y7146-W-38	40% Chrysotile	NA	Y
30	Black Caulk/Sealant	W-B19 Men's Rm Behind Radiator Cover	M	Y7146-W-40	NAD	NAD	N
31	Ceramic Tile Mortar	W-B19	M	Y7146-W-41	ND	NA	N
32	Ceramic Tile Grout	W-B19	M	Y7146-W-42	ND	NA	N

HOMOGENEOUS MATERIALS LIST
WILBER HALL
STATE UNIVERSITY OF NEW YORK AT OSWEGO

HM #	Material Description	Sample Location	Type	Sample Number	Results: (% Asbestos) PLM	Results: (% Asbestos) TEM	ACM Y/N
33	Tan 9"x9" Floor Tile	W-B15	M	Y7146-W-43	4.2% Chrysotile	NA	Y
34	Black Mastic on Tan FT	W-B15	M	Y7146-W-44	NAD	1.8% Chrysotile	Y
35	Tan 4" Covebase	W-B15	M	Y7146-W-45	NAD	NAD	N
36	Brown Covebase Mastic	W-B15	M	Y7146-W-46	NAD	NAD	N
37	12"x12" Spline Ceiling Tile	W-B3 No Mastic	M	Y7146-W-47	ND	NA	N
38	Brown Mastic Dots on Spline Ceiling Tile	W-B3 Access Hatches Only	M	Y7146-W-48	NAD	NAD	N
39	Black Sink Coating	W-B11 Large Sink	M	Y7146-W-49	NAD	NAD	N
40	Brown Mastic Dots on 12" x 12" Ceiling Tile	318	M	Y7146-W-50	NAD	NAD	N
41	Black Mastic on Fiberglass Pipe Insulation	316 Pipe Chase	M	Y7146-W-51	NAD	NAD	N
42	12"x12" Tan Floor Tile	360	M	Y7146-W-52	4.2% Chrysotile	NA	Y
43	Black Mastic/Felt Paper on 12" x 12" Tan FT	360	M	Y7146-W-53	23.2% Chrysotile	NA	Y
44	Gray 12"x12" Floor Tile with yellow Mastic	354	M	Y7146-W-54	NAD	NAD Floor Tile NAD Mastic	N
45	2"x2" Ceiling Tile	253B	M	Y7146-W-55	ND	NA	N
46	Green 12"x12" Floor Tile	254	M	Y7146-W-56	2.2% Chrysotile	NA	Y

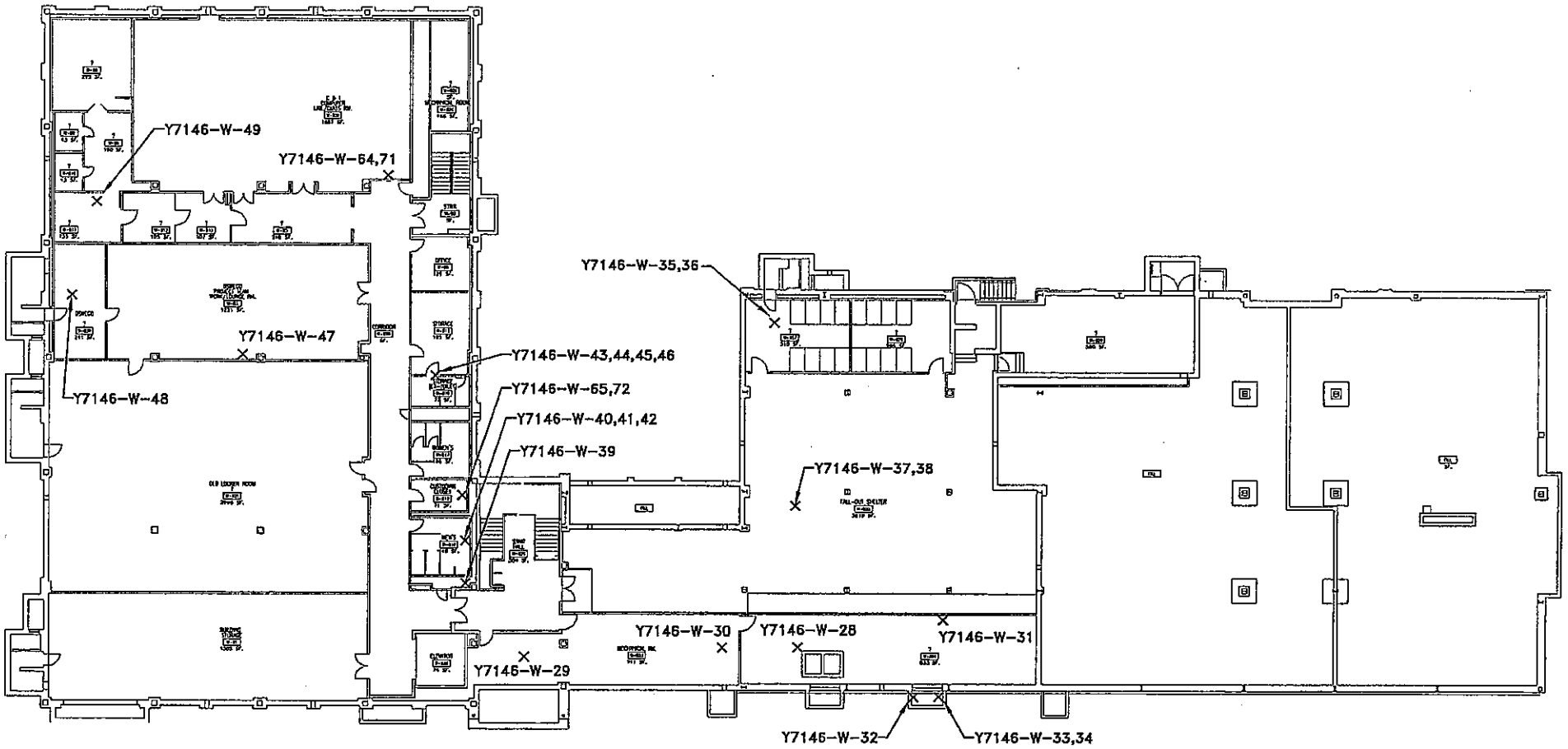
HOMOGENEOUS MATERIALS LIST
WILBER HALL
STATE UNIVERSITY OF NEW YORK AT OSWEGO

HM #	Material Description	Sample Location	Type	Sample Number	Results (% Asbestos) PLM	Results (% Asbestos) TEM	ACM Y/N
47	Black Mastic/Tar paper on 12" x 12" Green FT	254	M	Y7146-W-57	22% Chrysotile	NA	Y
48	Yellow Mastic on Blue Carpet	254	M	Y7146-W-58	NAD	NAD	N
49	Drywall Joint Compound	250M	M	Y7146-W-59	ND	NA	N
50	Drywall	250M	M	Y7146-W-60	ND	NA	N
51	Black Mastic	251 Hallway	M	Y7146-W-61	NAD	NAD	N
52	Tan Stair Tread	222	M	Y7146-W-62	NAD	NAD	N
53	Brown Stair Tread Mastic	222	M	Y7146-W-63	NAD	NAD	N
54	Plaster	B-3 - Wall	S	Y7146-W-64	ND	NA	N
		B-18 - Wall		Y7146-W-65	ND	NA	
		160A - Wall		Y7146-W-66	ND	NA	
		129 - Ceiling		Y7146-W-67	ND	NA	
		256 - Wall		Y7146-W-68	ND	NA	
		253B - Ceiling		Y7146-W-69	ND	NA	
		317 - Wall		Y7146-W-70	ND	NA	
55	Plaster - Basecoat	B-3 - Wall	S	Y7146-W-71	<1% Chrysotile	1.4% Chrysotile	Y
		B-18 - Wall		Y7146-W-72	<1% Chrysotile	<1% Chrysotile	
		160A - Wall		Y7146-W-73	0.75% Chrysotile	<1% Chrysotile	
		129 - Ceiling		Y7146-W-74	0.25% Chrysotile	<1% Chrysotile	
		256 - Wall		Y7146-W-75	<1% Chrysotile	<1% Chrysotile	
		253B - Ceiling		Y7146-W-76	<1% Chrysotile	<1% Chrysotile	
		317 - Wall		Y7146-W-77	<1% Chrysotile	1.3% Chrysotile	
56	Window Glazing Compound	Exterior outside 113 East Side	M	Y7146-W-78	NAD	NAD	N
				Y7146-W-93	<1% Chrysotile	<1% Chrysotile	
57	Dk Gray Soft Window Caulk	Exterior outside 113 East Side	M	Y7146-W-79	<1% Chrysotile	<1% Chrysotile	N
				Y7146-W-91	NAD	NAD	
58	Lt Gray Hard Window Caulk	Exterior outside 113 East Side	M	Y7146-W-80	<1% Chrysotile	<1% Chrysotile	N
				Y7146-W-92	<1% Chrysotile	<1% Chrysotile	
59	Gray Perimeter Caulk	Louver West Side by to Generator Room	M	Y7146-W-81	<1% Chrysotile	<1% Chrysotile	N

HOMOGENEOUS MATERIALS LIST WILBER HALL STATE UNIVERSITY OF NEW YORK AT OSWEGO							
HM #	Material Description	Sample Location	Type	Sample Number	Results (% Asbestos)		ACM Y/N
					PLM	TEM	
60	Black Mastic under wood Floor	163 356	M	Y7146-W-82 Y7146-W-83	NAD NAD	NAD NAD	N
61	Black Vapor Barrier	Roof 3 – Middle	M	Y7146-W-84	NAD	NAD	N
62	Black Vapor Barrier Below Foam	Roof 3 at Edge Roof 4 Roof 6	M	Y7146-W-85 Y7146-W-86 Y7146-W-87	NAD NAD NAD	NAD NAD NAD	N
63	Expansion Joint Caulk	Roof 6 under Soffit Between Concrete Roof Sections	M	Y7146-W-88	<1% Chrysotile	8.7% Anthophyllite <1% Chrysotile	Y
64	Black Tar Between Two Foam Layers	Roof 7	M	Y7146-W-89	NON-ACM	NA	N
65	Black Caulk	Roof 7 - Penetrations	M	Y7146-W-90	NAD	NAD	N
66	Black Foundation Waterproofing	Foundation - East Foundation - West	M	Y7146-W-94 Y7146-W-95	14.1% Chrysotile 14.7% Chrysotile	NA NA	Y

Asbestos-Containing Materials Room List

WILBER HALL ASBESTOS CONTAINING MATERIAL BY ROOM				
ROOM	ASBESTOS MATERIAL	QUANTITY	CONDITION	Friable/Non-Friable
	BASEMENT			
Throughout	Sprayed-on Fireproofing - Ceilings	17,000 sf	Fair to poor	Friable
Throughout	Plaster Basecoat	6,000 sf	Good	Friable
B2 Stairwell	9"x9" Tan Floor Tile and associated Mastic	40 sf	Good	Non-Friable
B3	9"x9" Brown Floor Tile and associated Mastic	1221 sf	Good	Non-Friable
B3A	9"x9" Brown Floor Tile and associated Mastic	241 sf	Good	Non-Friable
B4	9"x9" Brown Floor Tile and associated Mastic	129 sf	Good	Non-Friable
B15	9"x9" Tan Floor Tile and associated Mastic	195 sf	Good	Non-Friable
B24	Tan Mastic on Metal Duct Insulation Hangers	5 sf of Mastic	Good	Non-Friable
Foundation Exterior	Foundation Waterproofing	13,250 sf	Good	Non-Friable
	FIRST FLOOR			
Throughout	Plaster Basecoat	15,000	Good	Friable
Entry Vestibule on East side into Hall 116	Sprayed-on Fireproofing – above suspended ceiling Ceiling	130 sf	Fair	Friable
111 Stairwell	9"x9" Tan Floor Tile and associated Mastic	40 sf	Good	Non-Friable
130-132 Vestibule	Window and Door Caulk and Glazing Compound	31 Window & Doors	Good	Non-Friable
160	Black Sink Coating	1 Sink	Good	Non-Friable
162	9"x9" Brown Floor Tile and associated Mastic	122 sf	Good	Non-Friable
163	Black Sink Coating	1 Sink	Good	Non-Friable
167	9"x9" Brown Floor Tile and associated Mastic	122 sf	Good	Non-Friable
	SECOND FLOOR			
Throughout	Sprayed-on Fireproofing – Above Ceilings	12,440 sf	Fair	Friable
Throughout	Plaster Basecoat	12,000 sf	Good	Friable
222 Stairwell	9"x9" Tan Floor Tile and associated Mastic	110 sf	Good	Non-Friable
251	Black Sink Coating	1 Sink	Good	Non-Friable
251B	9"x9" Brown Floor Tile and associated Mastic	135 sf	Good	Non-Friable
253A	9"x9" Brown Floor Tile and associated Mastic	224 sf	Good	Non-Friable
253B	9"x9" Brown Floor Tile and associated Mastic	240 sf	Good	Non-Friable
254	12"x12" Green Floor Tile and associated Mastic and Tar Paper	127 sf	Good	Non-Friable
255	12"x12" Green Floor Tile and associated Mastic and Tar Paper	133 sf	Good	Non-Friable
256	12"x12" Green Floor Tile and associated Mastic and Tar Paper	133 sf	Good	Non-Friable
257	12"x12" Green Floor Tile and associated Mastic and Tar Paper	133 sf	Good	Non-Friable
	THIRD FLOOR			
Throughout	Plaster Basecoat	12,000 sf	Good	Friable
304 Stairwell	9"x9" Tan Floor Tile and associated Mastic	90 sf	Good	Non-Friable
352A	Black Sink Coating	1 Sink	Good	Non-Friable
353	Black Sink Coating	1 Sink	Good	Non-Friable
353A	Black Sink Coating	1 Sink	Good	Non-Friable
354	12"x12" Tan Floor Tile and associated Mastic and tar paper	518 sf	Good	Non-Friable
354A	12"x12" Tan Floor Tile and associated Mastic and tar paper	847 sf	Good	Non-Friable
354B	12"x12" Tan Floor Tile and associated Mastic and tar paper	90 sf	Good	Non-Friable
354C	12"x12" Tan Floor Tile and associated Mastic and tar paper	92 sf	Good	Non-Friable
354D	12"x12" Tan Floor Tile and associated Mastic and tar paper	184 sf	Good	Non-Friable
354E	12"x12" Tan Floor Tile and associated Mastic and tar paper	120 sf	Good	Non-Friable
358	12"x12" Tan Floor Tile and associated Mastic and tar paper	128 sf	Good	Non-Friable
359	12"x12" Tan Floor Tile and associated Mastic and tar paper	133 sf	Good	Non-Friable
360	12"x12" Tan Floor Tile and associated Mastic and tar paper	133 sf	Good	Non-Friable
361	12"x12" Tan Floor Tile and associated Mastic and tar paper	133 sf	Good	Non-Friable
	PENTHOUSE			
Mech. Room	HVAC Vibration Dampeners	20 Dampeners	Good	Non-Friable
Elevator Rm	Elevator Brake Shoes	1 set	Good	Non-Friable
	Transite Pieces inside Elevator Control Panel	2 panels	Good	Non-Friable
	ROOF			
Roof System	Gray Caulk in Seams of Concrete roof panels	6100 linear feet	Good	Non-Friable
Roof	Gray Caulk on Metal roof Flashing	530 linear feet	Good	Non-Friable



BASEMENT PLAN

SAMPLES WERE COLLECTED ON SEPTEMBER 12 AND OCTOBER 29, 2007.

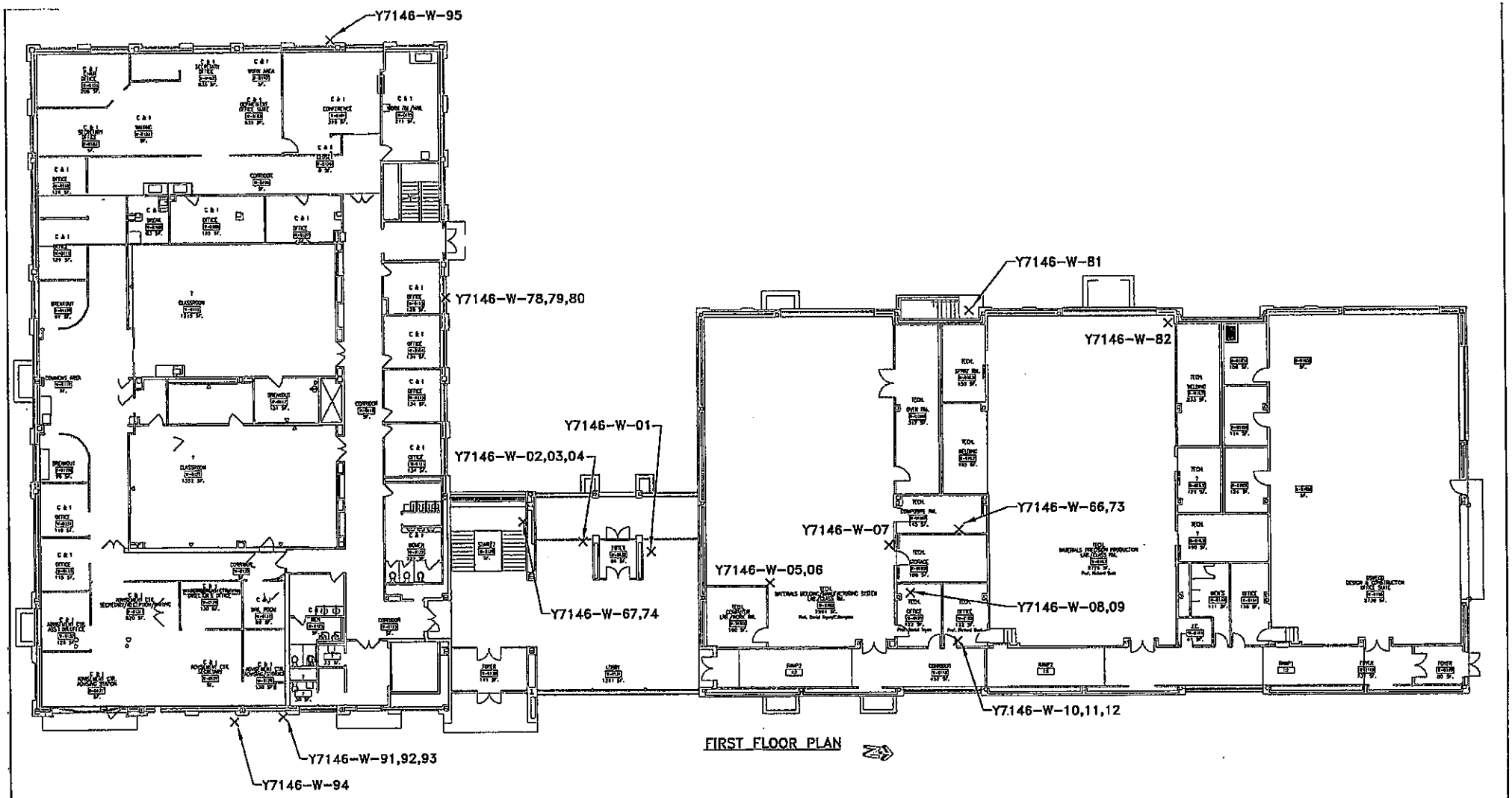
× INDICATES APPROXIMATE BULK SAMPLE LOCATION

WATTS ARCHITECTURE & ENGINEERING, P.C.
3825 Main Street
Buffalo, New York 14226
(716) 836-1540 T (716) 836-2402 Fax

ASBESTOS BULK SAMPLE LOCATIONS
BASEMENT

SUNY OSWEGO
WILBER HALL
OSWEGO, NEW YORK

NOT TO SCALE | NOVEMBER 2007



SAMPLES WERE COLLECTED ON SEPTEMBER 12 AND OCTOBER 29, 2007.
X INDICATES APPROXIMATE BULK SAMPLE LOCATION

WATTS ARCHITECTURE & ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226
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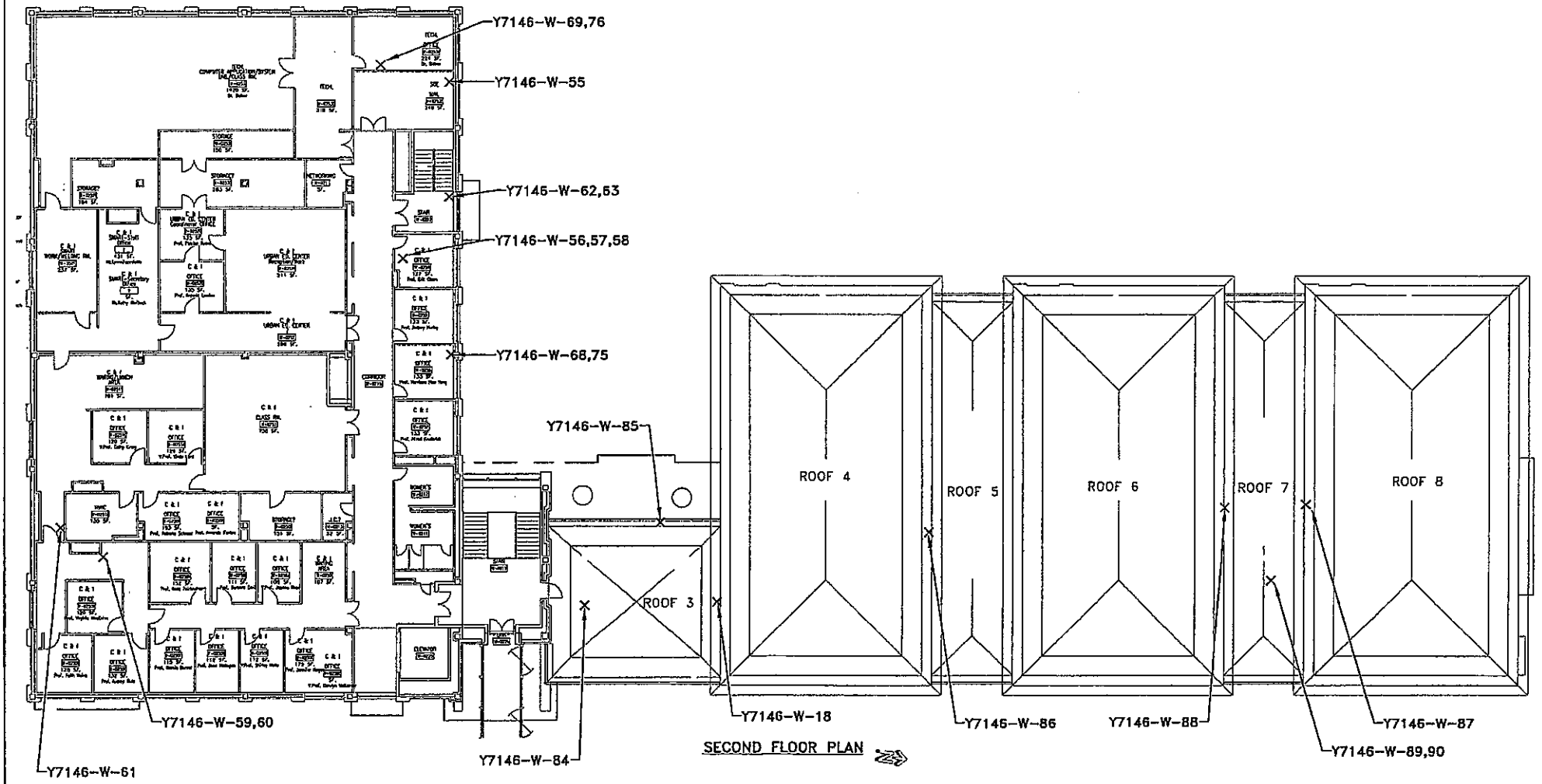
ASBESTOS BULK SAMPLE LOCATIONS
FIRST FLOOR

SUNY OSWEGO
WILBER HALL
OSWEGO, NEW YORK

NOT TO SCALE | NOVEMBER 2007



SAMPLES WERE COLLECTED ON SEPTEMBER 12 AND OCTOBER 29, 2007.

× INDICATES APPROXIMATE BULK SAMPLE LOCATION

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Buffalo, New York 14226
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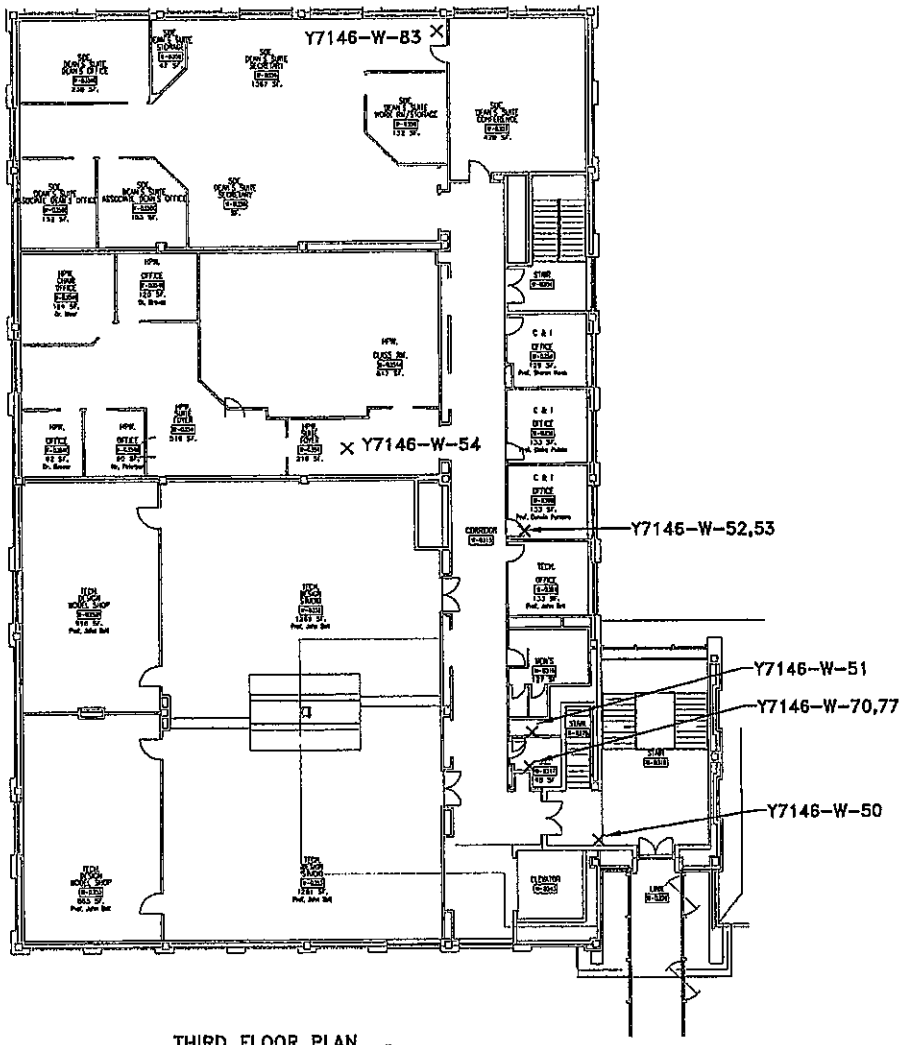
ASBESTOS BULK SAMPLE LOCATIONS
SECOND FLOOR

SUNY OSWEGO
WILBER HALL
OSWEGO, NEW YORK

NOT TO SCALE | NOVEMBER 2007



THIRD FLOOR PLAN

SAMPLES WERE COLLECTED ON SEPTEMBER 12 AND OCTOBER 29, 2007.

X INDICATES APPROXIMATE BULK SAMPLE LOCATION

WATTS ARCHITECTURE & ENGINEERING, P.C.
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ASBESTOS BULK SAMPLE LOCATIONS
THIRD FLOOR

SUNY OSWEGO
WILBER HALL
OSWEGO, NEW YORK

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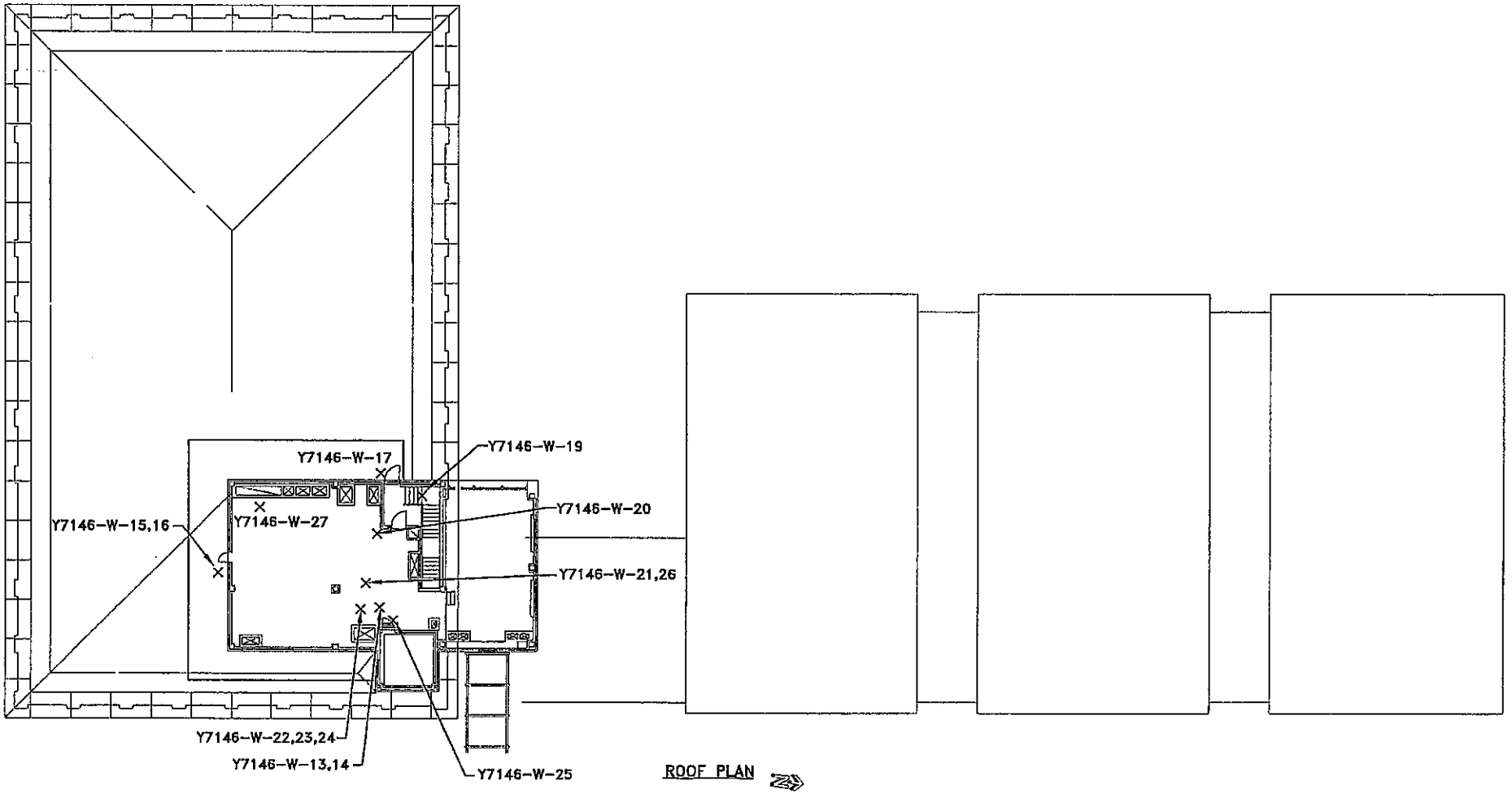

SAMPLES WERE COLLECTED ON SEPTEMBER 12 AND OCTOBER 29, 2007.

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ASBESTOS BULK SAMPLE LOCATIONS
ROOF

SUNY OSWEGO
WILBER HALL
OSWEGO, NEW YORK

NOT TO SCALE | NOVEMBER 2007

3.0 LABORATORY RESULTS

3.1 POLARIZED LIGHT MICROSCOPY (PLM) METHOD 198.1

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: **Eric McNabb**
Watts Architecture & Engineering, P.C.
3826 Main Street
Buffalo, NY 14226

Fax: (716) 836-2402 Phone: (716) 836-1540
Project: **Y7146 Wilber Hall**

Customer ID: WATT50
Customer PO:
Received: 09/14/07 9:55 AM
EMSL Order: 140705029

EMSL Proj:
Analysis Date: 9/17/2007
Report Date: 9/17/2007

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
Y7146-w-01 *140705029-0001*	lobby 131 West side	Black Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
Y7146-w-05 *140705029-0002*	room 160c	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
Y7146-w-06 *140705029-0003*	room 160c	Gray Fibrous Homogeneous	5.00% Cellulose	95.00% Non-fibrous (other)	None Detected
Y7146-w-12 *140705029-0004*	room 162	Gray Fibrous Homogeneous	60.00% Cellulose 20.00% Min. Wool	20.00% Non-fibrous (other)	None Detected
Y7146-w-19 *140705029-0005*	stairs to penthouse	Black Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
Y7146-w-22 *140705029-0006*	penthouse small tank 2'dx4'l	Gray Fibrous Homogeneous	10.00% Min. Wool	90.00% Non-fibrous (other)	None Detected
Y7146-w-23 *140705029-0007*	penthouse small tank 2'dx4'l	Gray Fibrous Homogeneous	10.00% Min. Wool	90.00% Non-fibrous (other)	None Detected
Y7146-w-24 *140705029-0008*	penthouse small tank 2'dx4'l	Gray Fibrous Homogeneous	10.00% Min. Wool	90.00% Non-fibrous (other)	None Detected
Y7146-w-25 *140705029-0009*	penthouse roof deck	Gray Fibrous Homogeneous	60.00% Min. Wool	40.00% Non-fibrous (other)	None Detected
Y7146-w-26 *140705029-0010*	penthouse roof deck	Gray Fibrous Homogeneous	60.00% Min. Wool	40.00% Non-fibrous (other)	None Detected

Analyst(s)

Brian Walczak (2)
Tom Hanes (40)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Unless otherwise noted, the results in this report have not been blank corrected.Samples received in good condition unless otherwise noted.

Analysis performed by EMSL Buffalo (NVLAP #200056-0), NY ELAP #11606

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: **Eric McNabb**
Watts Architecture & Engineering, P.C.
3826 Main Street
Buffalo, NY 14226

Fax: (716) 836-2402 Phone: (716) 836-1540
Project: **Y7146 Wilber Hall**

Customer ID: WATT50
Customer PO:
Received: 09/14/07 9:55 AM
EMSL Order: 140705029

EMSL Proj:
Analysis Date: 9/17/2007
Report Date: 9/17/2007

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
Y7146-w-27 *140705029-0011*	penthouse roof deck	Gray Fibrous Homogeneous	70.00% Glass	30.00% Non-fibrous (other)	None Detected
Y7146-w-29 *140705029-0012*	W-B23, South	Gray Fibrous Homogeneous	20.00% Cellulose	80.00% Non-fibrous (other)	None Detected
Y7146-w-30 *140705029-0013*	W-B23, North	Gray Fibrous Homogeneous	30.00% Cellulose	70.00% Non-fibrous (other)	None Detected
Y7146-w-31 *140705029-0014*	W-B24	Gray Fibrous Homogeneous	30.00% Cellulose	70.00% Non-fibrous (other)	None Detected
Y7146-w-32 *140705029-0015*	W-B24 into stair tunnel	Gray Fibrous Homogeneous		82.00% Non-fibrous (other)	18.00% Amosite
Y7146-w-33 *140705029-0016*	W-B24 into stair tunnel	Gray Fibrous Homogeneous		78.00% Non-fibrous (other)	22.00% Amosite
Y7146-w-34 *140705029-0017*	W-B24 into stair tunnel	Gray Fibrous Homogeneous	80.00% Cellulose	20.00% Non-fibrous (other)	None Detected
Y7146-w-35 *140705029-0018*	W-B27	Tan Fibrous Homogeneous	80.00% Cellulose	20.00% Non-fibrous (other)	None Detected
Y7146-w-36 *140705029-0019*	W-B27 water	Gray Fibrous Homogeneous	5.00% Min. Wool	95.00% Non-fibrous (other)	None Detected
Y7146-w-37 *140705029-0020*	W-B25 fall out shelter LPS	Gray Fibrous Homogeneous	5.00% Min. Wool	95.00% Non-fibrous (other)	None Detected

Analyst(s)

Brian Walczak (2)
Tom Hanes (40)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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Analysis performed by EMSL Buffalo (NVLAP #200056-0), NY ELAP #11606

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
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Attn: **Eric McNabb**
Watts Architecture & Engineering, P.C.
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Buffalo, NY 14226

Fax: (716) 836-2402 Phone: (716) 836-1540
Project: Y7146 Wilber Hall

Customer ID: WATT50
Customer PO:
Received: 09/14/07 9:55 AM
EMSL Order: 140705029

EMSL Proj:
Analysis Date: 9/17/2007
Report Date: 9/17/2007

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
Y7146-w-38 *140705029-0021*	W-B25 fall out shelter LPS	Gray Fibrous Homogeneous	50.00% Min. Wool	10.00% Non-fibrous (other)	40.00% Chrysotile
Y7146-w-39 *140705029-0022*	W-B19 chase	Gray Fibrous Homogeneous	5.00% Min. Wool	95.00% Non-fibrous (other)	None Detected
Y7146-w-41 *140705029-0023*	W-B19	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
Y7146-w-42 *140705029-0024*	W-B19	Tan Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
Y7146-w-47 *140705029-0025*	W-B3 no mastic	Gray Fibrous Homogeneous	40.00% Cellulose 30.00% Min. Wool	30.00% Non-fibrous (other)	None Detected
Y7146-w-55 *140705029-0026*	253B	Gray Fibrous Homogeneous	40.00% Cellulose 40.00% Min. Wool	20.00% Non-fibrous (other)	None Detected
Y7146-w-59 *140705029-0027*	250M	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
Y7146-w-60 *140705029-0028*	250M	Gray Fibrous Homogeneous	<1% Cellulose	100.00% Non-fibrous (other)	None Detected
Y7146-w-64 *140705029-0029*	B-3	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
Y7146-w-65 *140705029-0030*	B-18	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected

Analyst(s)

Brian Walczak (2)
Tom Hanes (40)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: **Eric McNabb**
Watts Architecture & Engineering, P.C.
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Buffalo, NY 14226

Fax: (716) 836-2402 Phone: (716) 836-1540
Project: Y7146 Wilber Hall

Customer ID: WATT50
Customer PO:
Received: 09/14/07 9:55 AM
EMSL Order: 140705029

EMSL Proj:
Analysis Date: 9/17/2007
Report Date: 9/17/2007

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
Y7146-w-66 *140705029-0031*	160A	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
Y7146-w-67 *140705029-0032*	0129	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
Y7146-w-68 *140705029-0033*	256	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
Y7146-w-69 *140705029-0034*	253B	White Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
Y7146-w-70 *140705029-0035*	317	White/Gray Non-Fibrous Heterogeneous		100.00% Non-fibrous (other)	None Detected
Y7146-w-71 *140705029-0036*	B-3	Gray Fibrous Homogeneous		100.00% Non-fibrous (other)	<1% Chrysotile
Y7146-w-72 *140705029-0037*	B-18	Gray Fibrous Homogeneous		100.00% Non-fibrous (other)	<1% Chrysotile
Y7146-w-73 *140705029-0038*	160A	Gray Fibrous Homogeneous		99.25% Non-fibrous (other)	0.75% Chrysotile
Y7146-w-74 *140705029-0039*	0129	Gray Fibrous Homogeneous		99.75% Non-fibrous (other)	0.25% Chrysotile
Y7146-w-75 *140705029-0040*	256	Gray Fibrous Homogeneous		100.00% Non-fibrous (other)	<1% Chrysotile

Analyst(s)

Brian Walczak (2)
Tom Hanes (40)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Unless otherwise noted, the results in this report have not been blank corrected.Samples received in good condition unless otherwise noted.

Analysis performed by EMSL Buffalo (NVLAP #200056-0), NY ELAP #11606

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Customer ID: WATT50
Customer PO:
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Analysis Date: 9/17/2007
Report Date: 9/17/2007

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
Y7146-w-76 *140705029-0041*	253B	Gray Fibrous Homogeneous		100.00% Non-fibrous (other)	<1% Chrysotile
Y7146-w-77 *140705029-0042*	317	Gray Fibrous Homogeneous		100.00% Non-fibrous (other)	<1% Chrysotile

Analyst(s)
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Tom Hanes (40)

Rhonda McGee
Rhonda McGee, Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Unless otherwise noted, the results in this report have not been blank corrected.Samples received in good condition unless otherwise noted.
Analysis performed by EMSL Buffalo (NVLAP #200056-0), NY ELAP #11606

PLMPointCount-1

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3.2 POLARIZED LIGHT MICROSCOPY (PLM) NOB METHOD 198.6

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Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
Y7146-w-02 *140705029-0043*	window glazing compound	Gray	99.8	None	Inconclusive : <1 Chrysotile <1 **Total All Types**
Y7146-w-03 *140705029-0044*	perimeter window caulk	Gray	99.7	None	Inconclusive : <1 Chrysotile <1 **Total All Types**
Y7146-w-04 *140705029-0045*	perimeter window caulk	Gray	100.0	None	Inconclusive : <1 Chrysotile <1 **Total All Types**
Y7146-w-07 *140705029-0046*	black sink coating	Black	97.1	None	2.9 Chrysotile 2.9 **Total All Types**
Y7146-w-08 *140705029-0047*	brown 9x9 FT	Brown	97.1	None	2.9 Chrysotile 2.9 **Total All Types**
Y7146-w-09 *140705029-0048*	black FT mastic	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-10 *140705029-0049*	6" brown covebase	Brown	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-11 *140705029-0050*	brown covebase mastic	Brown	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-13 *140705029-0051*	black asphalt tar	Black	100.0	None	Inconclusive: No Asbestos Detected

Analyst(s)
Tom Hanes (49)

Rhonda McGee
Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted.EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates onlyto the items tested. EMSL bears no responsibility for sample collectionactivities or analytical method imitations. Unless otherwise noted, the results in this report have not been blank corrected.Samples received in good condition unless otherwise noted.
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Analysis Date: 9/17/2007
Report Date: 9/17/2007

Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
Y7146-w-14 *140705029-0052*	black asphalt vapor barrier				
Insufficient Residue Final Residue <1% of original subsample, Non-ACM.					
Y7146-w-15 *140705029-0053*	black asphalt vapor barrier				
Insufficient Residue Final Residue <1% of original subsample, Non-ACM.					
Y7146-w-16 *140705029-0054*	black caulk	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-17 *140705029-0055*	black caulk	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-18 *140705029-0056*	gray caulk	Gray	98.5	None	1.5 Chrysotile **1.5 Total All Types**
Y7146-w-20 *140705029-0057*	vibration dampner	White	71.8	None	28.2 Chrysotile **28.2 Total All Types**
Y7146-w-21 *140705029-0058*	vibration dampner	White	67.6	None	32.4 Chrysotile **32.4 Total All Types**
Y7146-w-28 *140705029-0059*	tan mastic	Tan	82.8	None	17.2 Chrysotile **17.2 Total All Types**

Analyst(s)
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Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
Y7146-w-40 *140705029-0060*	black caulk/sealant	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-43 *140705029-0061*	tan 9"x9: FT	Tan	95.8	None	4.2 Chrysotile 4.2 **Total All Types**
Y7146-w-44 *140705029-0062*	black mastic on tan 9" FT	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-45 *140705029-0063*	tan 4" covebase	Tan	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-46 *140705029-0064*	brown covebase mastic	Brown	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-48 *140705029-0065*	brown mastic dots	Brown	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-49 *140705029-0066*	black sing coating	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-50 *140705029-0067*	brown mastic dots	Brown	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-51 *140705029-0068*	black mastic	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-52 *140705029-0069*	12"x12" tan FT	Tan	95.8	None	4.2 Chrysotile 4.2 **Total All Types**

Analyst(s)
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Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
Y7146-w-53 *140705029-0070*	black mastic/felt paper	Black	76.8	None	23.2 Chrysotile 23.2 **Total All Types**
Y7146-w-54 *140705029-0071*	gray 12"x12" FT	Gray	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-54 *140705029-0071A*	yellow mastic from gray 12"x12" FT	Yellow	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-56 *140705029-0072*	green 12"x12" FT	Blue	97.8	None	2.2 Chrysotile 2.2 **Total All Types**
Y7146-w-57 *140705029-0073*	black tar paper/mastic	Black	78.0	None	22.0 Chrysotile 22.0 **Total All Types**
Y7146-w-58 *140705029-0074*	yellow carpet mastic	Brown	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-61 *140705029-0075*	black mastic	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-62 *140705029-0076*	tan stairtread	Tan	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-63 *140705029-0077*	brown mastic	Brown	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-78 *140705029-0078*	window glazing compound	Gray	100.0	None	Inconclusive: No Asbestos Detected

Analyst(s)
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or other approved signatory

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Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
Y7146-w-79 *140705029-0079*	dk gray soft window caulk	Gray	100.0	None	Inconclusive : <1 Chrysotile <1 **Total All Types**
Y7146-w-80 *140705029-0080*	lt gray hard window caulk	Gray	99.7	None	Inconclusive : <1 Chrysotile <1 **Total All Types**
Y7146-w-81 *140705029-0081*	gray perimeter caulk	Gray	99.6	None	Inconclusive : <1 Chrysotile <1 **Total All Types**
Y7146-w-82 *140705029-0082*	black mastic	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-83 *140705029-0083*	black mastic	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-84 *140705029-0084*	black vapor barrier	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-85 *140705029-0085*	black vapor barrier	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-86 *140705029-0086*	black vapor barrier	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-87 *140705029-0087*	black vapor barrier	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-w-88 *140705029-0088*	caulk in expansion joint	Gray	100.0	None	Inconclusive : <1 Chrysotile <1 **Total All Types**

Analyst(s)
Tom Hanes (49)

Rhonda McGee

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or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted.EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates onlyto the items tested. EMSL bears no responsibility for sample collectionactivities or analytical method limitations. Unless otherwise noted, the results in this report have not been blank corrected.Samples received in good condition unless otherwise noted.

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Analysis Date: 9/17/2007
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Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
Y7146-w-89 *140705029-0089*	black tar				
Insufficient Residue Final Residue <1% of original subsample, Non-ACM.					
Y7146-w-90 *140705029-0090*	black caulk	Black	100.0	None	Inconclusive: No Asbestos Detected

Analyst(s)
Tom Hanes (49)

Rhonda McGee

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or other approved signatory

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Project: **Y7146/ SUNY Oswego: Renovation of Park and Wilber Halls, Wilber Hall**

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EMSL Order: 140705908

EMSL Proj:
Analysis Date: 11/8/2007
Report Date: 11/8/2007

Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
Y7146-W-91 *140705908-0001*	dark gray soft perimeter window caulk	Gray	100.0	None	Inconclusive: No Asbestos Detected
Y7146-W-92 *140705908-0002*	light gray hard perimeter window caulk	Gray	99.6	None	Inconclusive : <1 Chrysotile <1 **Total All Types**
Y7146-W-93 *140705908-0003*	gray window glazing compound	Gray	100.0	None	Inconclusive : <1 Chrysotile <1 **Total All Types**
Y7146-W-94 *140705908-0004*	black foundation water proofing	Brown	85.9	None	14.1 Chrysotile 14.1 **Total All Types**
Y7146-W-95 *140705908-0005*	black foundation water proofing	Black	85.3	None	14.7 Chrysotile 14.7 **Total All Types**

Analyst(s)
Tom Hanes (5)

Rhonda McGee
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*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted.EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates onlyto the items tested. EMSL bears no responsibility for sample collectionactivities or analytical method limitations. Unless otherwise noted, the results in this report have not been blank corrected.Samples received in good condition unless otherwise noted.

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NYS198-2

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3.3 TRANSMISSION ELECTRON MICROSCOPY (TEM) METHOD 198.4

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EMSL Order: 140705029

EMSL Proj:
Analysis Date: 9/20/2007
Report Date: 9/20/2007

Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES		% TOTAL ASBESTOS
Y7146-w-02 *140705029-0043*	window glazing compound	Gray	98.7	None	1.3%	Chrysotile	1.3
Y7146-w-03 *140705029-0044*	perimeter window caulk	Gray	96.9	None	3.1%	Chrysotile	3.1
Y7146-w-04 *140705029-0045*	perimeter window caulk	Gray	100.0	None	<1%	Chrysotile	<1
Y7146-w-09 *140705029-0048*	black FT mastic	Black	97.5	None	2.5%	Chrysotile	2.5
Y7146-w-10 *140705029-0049*	6" brown covebase	Brown	100.0	None	No Asbestos Detected		
Y7146-w-11 *140705029-0050*	brown covebase mastic	Brown	100.0	None	No Asbestos Detected		
Y7146-w-13 *140705029-0051*	black asphalt tar	Black	100.0	None	No Asbestos Detected		
Y7146-w-16 *140705029-0054*	black caulk	Black	100.0	None	No Asbestos Detected		
Y7146-w-17 *140705029-0055*	black caulk	Black	100.0	None	No Asbestos Detected		
Y7146-w-40 *140705029-0060*	black caulk/sealant	Black	100.0	None	No Asbestos Detected		

Analyst(s)
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NY\TNOB-2

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Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
Y7146-w-44 *140705029-0062*	black mastic on tan 9" FT	Black	98.2	None	1.8% Chrysotile	1.8
Y7146-w-45 *140705029-0063*	tan 4" covebase	Tan	100.0	None	No Asbestos Detected	
Y7146-w-46 *140705029-0064*	brown covebase mastic	Brown	100.0	None	No Asbestos Detected	
Y7146-w-48 *140705029-0065*	brown mastic dots	Brown	100.0	None	No Asbestos Detected	
Y7146-w-49 *140705029-0066*	black sing coating	Black	100.0	None	No Asbestos Detected	
Y7146-w-50 *140705029-0067*	brown mastic dots	Brown	100.0	None	No Asbestos Detected	
Y7146-w-51 *140705029-0068*	black mastic	Black	100.0	None	No Asbestos Detected	
Y7146-w-54 *140705029-0071*	gray 12"x12" FT	Gray	100.0	None	No Asbestos Detected	
Y7146-w-54 *140705029-0071A*	yellow mastic from gray 12"x12" FT	Yellow	100.0	None	No Asbestos Detected	
Y7146-w-58 *140705029-0074*	yellow carpet mastic	Brown	100.0	None	No Asbestos Detected	

Analyst(s)
Ken Najuch (35)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: **Eric McNabb**
Watts Architecture & Engineering, P.C.
3826 Main Street
Buffalo, NY 14226

Fax: (716) 836-2402 Phone: (716) 836-1540
Project: Y7146 Wilber Hall

Customer ID: WATT50
Customer PO:
Received: 09/14/07 9:55 AM
EMSL Order: 140705029

EMSL Proj:
Analysis Date: 9/20/2007
Report Date: 9/20/2007

Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
Y7146-w-61 *140705029-0075*	black mastic	Black	100.0	None	No Asbestos Detected	
Y7146-w-62 *140705029-0076*	tan stairtread	Tan	100.0	None	No Asbestos Detected	
Y7146-w-63 *140705029-0077*	brown mastic	Brown	100.0	None	No Asbestos Detected	
Y7146-w-78 *140705029-0078*	window glazing compound	Gray	100.0	None	No Asbestos Detected	
Y7146-w-79 *140705029-0079*	dk gray soft window caulk	Gray	99.8	None	<1% Chrysotile	<1
Y7146-w-80 *140705029-0080*	lt gray hard window caulk	Gray	100.0	None	<1% Chrysotile	<1
Y7146-w-81 *140705029-0081*	gray perimeter caulk	Gray	99.7	None	<1% Chrysotile	<1
Y7146-w-82 *140705029-0082*	black mastic	Black	100.0	None	No Asbestos Detected	
Y7146-w-83 *140705029-0083*	black mastic	Black	100.0	None	No Asbestos Detected	
Y7146-w-84 *140705029-0084*	black vapor barrier	Black	100.0	None	No Asbestos Detected	

Analyst(s)
Ken Najuch (35)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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Attn: **Eric McNabb**
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3826 Main Street
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Fax: (716) 836-2402 Phone: (716) 836-1540
Project: Y7146 Wilber Hall

Customer ID: WATT50
Customer PO:
Received: 09/14/07 9:55 AM
EMSL Order: 140705029

EMSL Proj:
Analysis Date: 9/20/2007
Report Date: 9/20/2007

Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES		% TOTAL ASBESTOS
Y7146-w-85 *140705029-0085*	black vapor barrier	Black	100.0	None	No Asbestos Detected		
Y7146-w-86 *140705029-0086*	black vapor barrier	Black	100.0	None	No Asbestos Detected		
Y7146-w-87 *140705029-0087*	black vapor barrier	Black	100.0	None	No Asbestos Detected		
Y7146-w-88 *140705029-0088*	caulk in expansion joint	Gray	91.3	None	8.7% <1%	Anthophyllite Chrysotile	8.7
Y7146-w-90 *140705029-0090*	black caulk	Black	100.0	None	No Asbestos Detected		

Analyst(s)
Ken Najuch (35)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

THIS IS THE LAST PAGE OF THE REPORT.

EMSL Analytical, Inc.
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Attn: **Eric McNabb**
Watts Architecture & Engineering, P.C.
3826 Main Street
Buffalo, NY 14226

Fax: (716) 836-2402 Phone: (716) 836-1540
Project: **Y7146/ SUNY Oswego: Renovation of Park and Wilber Halls, Wilber Hall**

Customer ID: WATT50
Customer PO:
Received: 10/30/07 2:40 PM
EMSL Order: 140705908

EMSL Proj:
Analysis Date: 11/12/2007
Report Date: 11/12/2007

Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES		% TOTAL ASBESTOS
Y7146-W-91 *140705908-0001*	dark gray soft perimeter window caulk	Gray	100.0	None	No Asbestos Detected		
Y7146-W-92 *140705908-0002*	light gray hard perimeter window caulk	Gray	99.6	None	<1%	Chrysotile	<1
Y7146-W-93 *140705908-0003*	gray window glazing compound	Gray	99.7	None	<1%	Chrysotile	<1

Analyst(s)
Ken Najuch (3)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

THIS IS THE LAST PAGE OF THE REPORT.

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
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Attn: **Eric McNabb**
Watts Architecture & Engineering, P.C.
3826 Main Street
Buffalo, NY 14226

Fax: (716) 836-2402 Phone: (716) 836-1540
Project: **Y7146 Wilber Hall**

Customer ID: WATT50
Customer PO:
Received: 09/14/07 9:55 AM
EMSL Order: 140705029

EMSL Proj:
Analysis Date: 11/26/2007
Report Date: 11/26/2007

Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES		% TOTAL ASBESTOS
Y7146-w-71 *140705029-0091*	plaster base coat wall	Tan	98.6	None	1.4%	Chrysotile	1.4
Y7146-w-72 *140705029-0092*	plaster base coat wall	Tan	99.5	None	<1%	Chrysotile	<1
Y7146-w-73 *140705029-0093*	plaster base coat wall	Tan	100.0	None	<1%	Chrysotile	<1
Y7146-w-74 *140705029-0094*	plaster base coat ceiling	Tan	100.0	None	<1%	Chrysotile	<1
Y7146-w-75 *140705029-0095*	plaster base coat wall	Tan	100.0	None	<1%	Chrysotile	<1
Y7146-w-76 *140705029-0096*	plaster base coat ceiling	Tan	99.4	None	<1%	Chrysotile	<1
Y7146-w-77 *140705029-0097*	plaster base coat wall	Tan	98.7	None	1.3%	Chrysotile	1.3

WATTS ARCHITECTURE & ENGINEERING, PC Received NOV 27 2007

Analyst(s)
Rhonda McGee (7)

Rhonda McGee, Laboratory Manager
or other approved signatory

NYTNOB-2

THIS IS THE LAST PAGE OF THE REPORT.

3.4 CHAIN-OF-CUSTODY FORMS

BULK SAMPLE CHAIN-OF-CUSTODY FORM

The purpose of the chain-of-custody form is to reduce the possibility of misidentifying individual samples, to help trace any samples that may be lost, and to provide a record certifying that the samples were delivered to and received by the analytical laboratory.

An important feature of this form is the signature section at the bottom, identifying all persons who handled the samples.

WATTS ARCHITECTURE & ENGINEERING, P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

1407O5029 Page: 1 of 6

Client: Ashley McGraw Architects
Project: SUNY Oswego - Renovation of Park and Wilber Halls
Building / Location: Wilber Hall
Contact: Eric McNabb at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Watts Architecture & Engineering, P.C.
3826 Main Street, Buffalo, NY 14226

Date: 9/13/07
Watts Project No.: Y7146

Turnaround Requested: Analysis Requested:
PLM X TEM X (TMHT) SEE NOTE

	3 Hr.		48 Hr.
	6 Hr.	X	72 Hr.
	12 Hr.		5 Day
	24 Hr.		6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results PLM	TEM
Y7146-W-01	Black Terrazo Floor	Lobby - 131 westside		
Y7146-W-02	Window Glazing Compound	" " "		
Y7146-W-03	Perimeter window Caulk - Interior - Hard	" " " - Interior		
Y7146-W-04	Perimeter window Caulk - - Exterior - Soft	" " " - Exterior		
Y7146-W-05	Drywall Joint Compound	Room 160 C		
Y7146-W-06	Drywall	Room 160 C		
Y7146-W-07	Black Sink Coating	Room 160		
Y7146-W-08	Brown 9x9 floortile	Room 161		
Y7146-W-09	Black floor tile mastic	Room 161		
Y7146-W-10	6" Brown Covebase	Room 162		
Y7146-W-11	Brown Covebase Mastic	Room 162		
Y7146-W-12	2'x2' Ceiling tile	Room 162		
Y7146-W-13	Black Asphalt tar Between foam layers	Rent house Roof		
Y7146-W-14	Black Asphalt Vapor Barrier Below foam	" "		

Sampled By: [signature] Date: 9/13/07 Received By: [signature] Date: 9/14/07 9:55a Courier
Relinquished By: [signature] Date: 9/14/07 Received By: _____ Date: _____

Comments: Analyze all samples by PLM. If NOBs are negative under PLM analyze by TEM also.

WATTS ARCHITECTURE & ENGINEERING, P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY 1407050229

Client: Ashley McGraw Architects
Date: 9/12/07
Project: SUNY Oswego - Renovation of Park and Wilber Halls
Watts Project No.: Y7146
Building / Location: Wilber
Contact: Eric McNabb at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Watts Architecture & Engineering, P.C.
3826 Main Street, Buffalo, NY 14226

Turnaround Requested: 3 Hr. | 48 Hr.
Analysis Requested: 6 Hr. | X 72 Hr.
PLM X TEM X | 12 Hr. | 5 Day
(PNLM) SEE NOTE | 24 Hr. | 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results PLM	TEM
Y7146-W-15	Black Vapor Barrier	3rd Floor Roof		
Y7146-W-16	Black Caulk on Top of Copper Flashing	3rd Floor Roof		
Y7146-W-17	Black Caulk at Roof Access Door	3rd Floor Roof		
Y7146-W-18	Gray Caulk on metal Flashing	1st Floor Roof of Lobby - North Side		
Y7146-W-19	Black Terrazo Stair Treads	Stairs to Penthouse		
Y7146-W-20	Vibration Dampener	Penthouse - on Large HVAC unit		
Y7146-W-21	Vibration Dampener	Penthouse - on Small fan unit		
Y7146-W-22	Mud Tank Insulation - Side	Penthouse - Small Tank 2'd x 4'l		
Y7146-W-23	" " " - Top	" " " "		
Y7146-W-24	" " " - End	" " "		
Y7146-W-25	Spray on Fireproofing	Penthouse - Roof Deck		
Y7146-W-26	" "	" " "		
(X) Y7146-W-27	" "	" " "		
Y7146-W-28	Tan Mastic on Insulation Hangers	Room W-B24 on Duct - No Insulation		

Sampled By: [signature] Date: 9/12/07 Received By: [signature] Date: 9/14/07 9:55a Courier
Relinquished By: [signature] Date: 9/14/07 Received By: Date:

Comments: Analyze all samples by PLM. If NOBs are negative under PLM analyze by TEM also.

WATTS ARCHITECTURE & ENGINEERING, P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

1407050029

Client: Ashley McGraw Architects
Project: SUNY Oswego - Renovation of Park and Wilber Halls
Building / Location: Wilber
Contact: Eric McNabb at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Watts Architecture & Engineering, P.C.
3826 Main Street, Buffalo, NY 14226

Date: 9-12-07
Watts Project No.: Y7146

Turnaround Requested: 3 Hr. 48 Hr.
Analysis Requested: 6 Hr. X 72 Hr.
PLM X TEM X 12 Hr. 5 Day
(mlf) SEE NOTE 24 Hr. 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results PLM	TEM
Y7146-W-29	Brown Spray-on fireproofing	W-B23 - South		
Y7146-W-30	" " "	W-B23 North		
Y7146-W-31	" " "	W-B24		
Y7146-W-32	TSI - pipe Insulation - Gray - Small Steam line	W-B24 - into Steam Tunnel		
Y7146-W-33	TSI - Pipe Insulation " large " "	" " "		
(X) Y7146-W-34	TSI - Pipe Insulation " large " "	" " "		
Y7146-W-35	cloth wrap on duct Insulation	W-B27		
Y7146-W-36	TSI - mud fitting on fiberglass pipe TSI	W-B27 - water		
Y7146-W-37	TSI - mud fitting on fiberglass pipe TSI	W-B25 - fallout shelter - LPS		
Y7146-W-38	Old Spray-on fireproofing	W-B25 - " "		
Y7146-W-39	TSI - mud fitting on fiberglass pipe - TSI	W-B19 - chase Pan Walk		
Y7146-W-40	Black Caulk/Sealant	W-B19 - mens Rm - Behind Radiator Cover Perimeter		
Y7146-W-41	Ceramic Tile mortar	W-B19		
Y7146-W-42	Ceramic Tile Grout	W-B19		

Sampled By: [signature] Date: 9-12-07 Received By: [signature] Date: 9/14/07 9:55 Courier
Relinquished By: [signature] Date: 9-14-07 Received By: _____ Date: _____

Comments: Analyze all samples by PLM. If NOBs are negative under PLM analyze by TEM also.

WATTS ARCHITECTURE & ENGINEERING, P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY 140705029

Client: Ashley McGraw Architects
Project: SUNY Oswego - Renovation of Park and Wilber Halls
Building / Location:
Contact: Eric McNabb at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Watts Architecture & Engineering, P.C.
3826 Main Street, Buffalo, NY 14226

Date: Wilber
Watts Project No.: Y7146

Turnaround Requested: 3 Hr. 48 Hr.
Analysis Requested: 6 Hr. X 72 Hr.
PLM X TEM X 12 Hr. 5 Day
(TMH) SEE NOTE 24 Hr. 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results PLM	TEM
Y7146-W-43	Tan 9"x9" floor tile	W-B15		
Y7146-W-44	Black Mastic on Tan 9" FT	W-B15		
Y7146-W-45	Tan 4" Cove base	W-B15		
Y7146-W-46	Brown Cove base mastic	W-B15		
Y7146-W-47	12"x12" Spline Ceiling tile	W-B3 -No Mastic		
Y7146-W-48	Brown Mastic dots on 12" CT	W-B3 - on Access Hatches only		
Y7146-W-49	Black Sink Coating	W-B11 - large Sink		
Y7146-W-50	Brown Mastic Dot on 12x12 CT	318		
Y7146-W-51	Black Mastic on fiberglass pipe insulation wrap	316 - Pipe chase		
Y7146-W-52	12"x12" Tan Floor tile	360		
Y7146-W-53	Black Mastic/felt paper	360		
Y7146-W-54	Gray 12"x12" floor tile with Yellow Mastic	354		
Y7146-W-55	2'x2' Ceiling tile	253B		
Y7146-W-56	Green 12"x12" Floor tile	254		

Sampled By: [signature] Date: 9-12-07 Received By: [signature] Date: 9/14/07 9:55 COURIER
Relinquished By: [signature] Date: 9-14-07 Received By: Date:

Comments: Analyze all samples by PLM. If NOBs are negative under PLM analyze by TEM also.

WATTS ARCHITECTURE & ENGINEERING, P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY 140705029

Client: Ashley McGraw Architects
Date: 9/12/07
Project: SUNY Oswego - Renovation of Park and Wilber Halls
Watts Project No.: Y7146
Building / Location: Wilber
Contact: Eric McNabb at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Watts Architecture & Engineering, P.C.
3826 Main Street, Buffalo, NY 14226

Turnaround Requested: 3 Hr. 48 Hr.
Analysis Requested: 6 Hr. X 72 Hr.
PLM X TEM X 12 Hr. 5 Day
TMP SEE NOTE 24 Hr. 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results PLM	TEM
Y7146-W-57	Black Tar paper / Mastic on Green 12" tile	254		
Y7146-W-58	Yellow Carpet Mastic on Old Blue Carpet	254		
Y7146-W-59	Drywall Joint Compound	250M		
Y7146-W-60	Drywall	250M		
Y7146-W-61	Black Mastic	251 - Hallway		
Y7146-W-62	Tan Stair tread	222		
Y7146-W-63	Brown Mastic on Stair tread	222		
Y7146-W-64	Plaster - wall	B-3		
Y7146-W-65	" - wall	B-18		
Y7146-W-66	" - wall	160A		
Y7146-W-67	" - Ceiling	0129		
Y7146-W-68	" - wall	256		
Y7146-W-69	" - Ceiling	253B		
Y7146-W-70	" - wall	317		

Sampled By: [signature] Date: 9-12-07 Received By: [signature] Date: 9/14/07 9:55a Courier
Relinquished By: [signature] Date: 9-14-07 Received By: Date:

Comments: Analyze all samples by PLM. If NOBs are negative under PLM analyze by TEM also.

WATTS ARCHITECTURE & ENGINEERING, P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

140705029

Client: Ashley McGraw Architects
Project: SUNY Oswego - Renovation of Park and Wilber Halls
Building / Location: Wilber
Contact: Eric McNabb at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Watts Architecture & Engineering, P.C.
3826 Main Street, Buffalo, NY 14226

Date: 9-12-07
Watts Project No.: Y7146

Turnaround Requested: ___ 3 Hr. ___ 48 Hr.
Analysis Requested: ___ 6 Hr. X 72 Hr.
PLM X TEM X ___ 12 Hr. ___ 5 Day
TM/H SEE NOTE ___ 24 Hr. ___ 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results PLM	TEM
Y7146-W-71	Plaster Basecoat - wall	B-3		
Y7146-W-72	" " - wall	B-18		
Y7146-W-73	" " - wall	160B		
Y7146-W-74	" " - Ceiling	0129 - Re		
Y7146-W-75	" " - wall	256		
Y7146-W-76	" " Ceiling	253B		
Y7146-W-77	" " - wall	317		
Y7146-W-78	Window Glazing Compound	1st Floor Exterior 113		
Y7146-W-79	DK gray Soft Window Caulk	" " "		
Y7146-W-80	Lt. gray Hard Window Caulk	" " "		
Y7146-W-81	Gray Permatex Caulk	Louver - west Side to Generator - 1st Floor		
Y7146-W-82	Black mastic under wood floor	163		
Y7146-W-83	" " " " "	356		
Y7146-W-84	Black Vapor Barrier	Roof 3		

Sampled By: [signature] Date: 9-12-07 Received By: [signature] Date: 9/14/07 9:55a Courier
Relinquished By: [signature] Date: 9-12-07 Received By: ___ Date: ___

Comments: Analyze all samples by PLM. If NOBs are negative under PLM analyze by TEM also.

WATTS ARCHITECTURE & ENGINEERING, P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Page: 1 of 1

Client: Ashley McGraw Architects
Date: 9-13-07
Project: SUNY Oswego - Renovation of Park and Wilber Halls
Watts Project No.: Y7146
Building / Location: Wilber
Contact: Eric McNabb at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Watts Architecture & Engineering, P.C.
3826 Main Street, Buffalo, NY 14226

Turnaround Requested: ___ 3 Hr. ___ 48 Hr.
Analysis Requested: ___ 6 Hr. X 72 Hr.
PLM X TEM X ___ 12 Hr. ___ 5 Day
SEE NOTE ___ 24 Hr. ___ 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results PLM	Laboratory Results TEM
Y7146-W-85	Black Vapor Barrier Below Foam	Roof 3 at Edge by Board - Same as 84		
Y7146-W-86	Black Vapor Barrier Below Foam	Roof 4		
Y7146-W-87	Black vapor Barrier Below Foam	Roof 7		
Y7146-W-88	Caulk in Expansion Joint	Roof 6 - under Soffit Between Concrete Roof Sections		
Y7146-W-89	Black Tar Between two foam layers	Roof 7		
Y7146-W-90	Black Caulk on	Roof 7 - on Penetrations exhaust vent/etc.		
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				

Sampled By: [signature] Date: 9-13-07 Received By: [signature] Fax Date: 9/14/07 12:14pm
Relinquished By: [signature] Date: 9-14-07 Received By: ___ Date: ___

Comments: Analyze all samples by PLM. If NOBs are negative under PLM analyze by TEM also.

1407059008

WATTS ARCHITECTURE & ENGINEERING, P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Page: 1 of 1

Client: Ashley McGraw Architects
Date: 10-29-07
Project: SUNY Oswego - Renovation of Park and Wilber Halls
Watts Project No.: Y7146
Building / Location: Wilber Hall
Contact: Eric McNabb at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Watts Architecture & Engineering, P.C.
3826 Main Street, Buffalo, NY 14226

Turnaround Requested / Analysis Requested:

	3 Hr.		48 Hr.
	6 Hr.	X	72 Hr.
PLM X TEM X	12 Hr.		5 Day
SEE NOTE	24 Hr.		6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results PLM	TEM
Y7146-W-91	Dark Gray Soft Perimeter Window Caulk	East Side		
Y7146-W-92	Light Gray Hard Perimeter Window Caulk	East Side		
Y7146-W-93	Gray Window Glazing Compound	East Side		
Y7146-W-94	Black Foundation Waterproofing - "	Foundation - East		
Y7146-W-95	" " " "	Foundation West		
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				

Sampled By: E. Mantell Date: 10-29-07 Received By: _____ Date: _____

Relinquished By: E. Mantell Date: 10-30-07 Received By: BMW D.U. Date: 10/30/07 2:40 pm

Comments: Analyze all samples by PLM. If NOBs are negative under PLM analyze by TEM also.

3.5 PREVIOUS SAMPLE DATA SUPPLIED BY FACILITY

2006 ES&H

Wilber Asbestos Samples

Sort by ACM

Floor	Room	Area	Material	Asbestos %	Types	Friable/Non-Friable	Year Sampled
Exterior	Exhaust Fan #7	Roof	Vibration Coupling	70	Chrysotile		1990
	Roof Fan #2	Roof	Vibration Coupling	70	Chrysotile		1990
	Roof Fan #1	Roof	Vibration Coupling	70	Chrysotile		1990
1, 2	Hallway	Ceiling	Sprayed On Fire Proofing	22	Chrysotile		2005
Throughout	Throughout	Floor	Vinyl Floor Tile - Brown, 9x9	2.2	Chrysotile		2005
1	Rm. 151C	Ceiling	Textured Acoustical Finish Plaster	3	Chrysotile		2005
2	Rm. 250	Ceiling	Insulation	40	Chrysotile		1991
1	Rm. 155	Ceiling	Insulation	40	Chrysotile		1991
Exterior	Fan Room	Ceiling	Spray Insulation	40	Chrysotile		1989
1	Main Lobby	Ceiling	Spray Insulation	30	Chrysotile		1989
3	Rm. 356, Doorway - Hatch Entrance	Door	Mastic	0		NOB	2006
Throughout	Throughout	Ceiling	ACT, 1x2	0			2005
Throughout	Domestic Water System	Pipe	Pipe Fitting Insulation	0			2005
Throughout	Heating System	Pipe	Pipe Fitting Insulation	0			2005
1	Rm. 150	Ceiling	ACT, 1x1	0			2005
Throughout	Throughout	Wall/Ceiling	Plaster	0			2005
Throughout	Throughout	Floor	Mastic - Black	0			2005
1	Rm. 150	Ceiling	Mastic - Brown	0			2005
Throughout	Throughout	Wall	Vinyl Cove Base - Black	0			2005
Throughout	Throughout	Wall	Vinyl Cove Base - Brown	0			2005
Throughout	Throughout	Wall	Cove Base Mastic - Brown	0			2005
1	Rm. 150	Floor	Tile Mastic Under Cork Tile - Brown	0			2005
2	Rm. 251 & Rm. 252	Ceiling	Lay In Tile, 2x2	0			2005
Throughout	Throughout	Floor	Mastic for Maple Plank Flooring	0			2005
2, 3	Rm. 252, Rm. 251A, & Rm. 352	Wall	Gypsum Wall Board and Joint Compound	0			2005
3	Throughout	Ceiling	"Vermiculite" Plaster above ACT	0			2005
3	Rm. 352	Floor	Mastic	0		Non-Friable	1997
2	Rm. 251	Ceiling	Tile	0		Friable	1997
Exterior	Nr. Parking Lot	Pipe	Insulation	0		Friable	1997
Shelter	Main Room, Nr. Door	Floor	Dust	0		Friable	1994
Shelter	Main Room, Green Chair	Chair	Dust	0		Friable	1994
Shelter	Main Room, Print Cabinet	Cabinet	Dust	0		Friable	1994
Shelter	Main Room, Nr. Corridor	Floor	Dust	0		Friable	1994
Shelter	Main Room, Fire Hose Rack	Rack	Dust	0		Friable	1994
Shelter	Main Room, Desk	Desk	Dust	0		Friable	1994
Shelter	S.W. Corridor, File Cabinet	Cabinet	Dust	0		Friable	1994

Shelter	Main Room, W. Wall - Orange Chair	Chair	Dust	0	Friable	1994
Shelter	Main Room, Drawing Table - Center	Table	Dust	0	Friable	1994
Shelter	Main Room, Printing Press	Press	Dust	0	Friable	1994
3	Rm. 306, Over Sink	Ceiling	Tile Glue Puck - Brown	0	NOB	2005
Basement	Rm. B15	Wall	Plaster - White	0	Non-Friable	2005
1	Locker Room	Locker	Dust	0	Friable	1986
1	Rm. 151A	Wall	Dust	0		1993
1	Rm. 151A	Wall	Dust	0		1993
1	Rm. 151A	Floor	Dust	0		1993
Penthouse	Fan Room	Ceiling	Plaster	0		1990
Basement	Hallway	Ceiling	Tile - Lt. Grey	0		1988
3	Rm. 350	Ceiling	Tile - Lt. Grey	0		1988

4.0 X-RAY FLUORESCENCE ANALYZER (XRF) DATA TABLE

SUNY Oswego - Wilber Hall Program Study								
XRF Testing Date: September 10 and 11, 2007				Niton Model XLp 300A				Serial # 11961
No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
1	Shutter Cal							6.91
2	Calibration							1.1
3	Calibration							1.1
4	Calibration							1.1
5	Window Sash	C	Metal	Black	Roof	Poor	Roof	0.02
6	Window Sash	C	Metal	Black	Roof	Poor	Roof	0.02
7	Flashing	C	Metal	Green	Roof	Intact	Roof	0.02
8	Flashing	D	Metal	Green	Roof	Intact	Roof	0.02
9	Door	C	Metal	Gray	Roof	Fair	Roof	0.03
10	Door Jamb	C	Metal	Red	Roof	Fair	Roof	0
11	Door Jamb	C	Metal	Red	Roof	Fair	Roof	0
12	Door	C	Metal	Gray	Roof	Fair	Roof	0
13	Wall	A	Concrete	White	Mech Rm 2	Intact	4th Floor	0
14	Wall	D	Concrete	White	Mech Rm 2	Intact	4th Floor	0.02
15	Wall	C	Concrete	White	Mech Rm 2	Intact	4th Floor	0.01
16	Wall	B	Concrete	White	Mech Rm 2	Intact	4th Floor	0
17	Floor	B	Concrete	Gray	Mech Rm 2	Intact	4th Floor	0.02
18	Duct	A	Metal	White	Mech Rm 2	Intact	4th Floor	0.01
19	Duct	A	Metal	White	Mech Rm 2	Intact	4th Floor	0.01
20	Duct	B	Metal	White	Mech Rm 2	Intact	4th Floor	0.01
21	Pipes	D	Metal	White	Mech Rm 2	Intact	4th Floor	0
22	Pipes	D	Metal	Gray	Mech Rm 2	Intact	4th Floor	0
23	Pump	D	Metal	Red	Mech Rm 2	Intact	4th Floor	0.4
24	Pump	D	Metal	Red	Mech Rm 2	Intact	4th Floor	0.5
25	Fan Housing	A	Metal	White	Mech Rm 2	Intact	4th Floor	0
26	Railing	C	Metal	White	Mech Rm 2	Intact	4th Floor	0.01
27	Railing	C	Metal	White	Mech Rm 2	Intact	4th Floor	0.02
28	Electrical Panel	C	Metal	Gray	Mech Rm 2	Intact	4th Floor	0
29	Electrical Panel	A	Metal	Gray	Mech Room 1	Intact	4th Floor	0
30	Electrical Panel	A	Metal	Gray	Mech Room 1	Intact	4th Floor	0.02
31	Door	D	Metal	Tan	Mech Room 1	Intact	4th Floor	0.07
32	Door Jamb	D	Metal	Beige	Mech Room 1	Intact	4th Floor	0.01
33	Door Jamb	B	Metal	Beige	Mech Room 1	Intact	4th Floor	0.03
34	Door	B	Metal	Tan	Mech Room 1	Intact	4th Floor	0.1
35	Wall	A	Concrete	White	Mech Room 1	Intact	4th Floor	0
36	Wall	B	Concrete	White	Mech Room 1	Intact	4th Floor	0
37	Wall	C	Concrete	White	Mech Room 1	Intact	4th Floor	0
38	Wall	D	Concrete	White	Mech Room 1	Intact	4th Floor	0
39	Duct	C	Metal	White	Mech Room 1	Intact	4th Floor	0.06
40	Duct	A	Metal	White	Mech Room 1	Intact	4th Floor	0.01
41	Duct	D	Metal	White	Mech Room 1	Intact	4th Floor	0.01
42	Fan Housing	D	Metal	White	Mech Room 1	Intact	4th Floor	0
43	Fan Housing	C	Metal	White	Mech Room 1	Intact	4th Floor	0
44	Fan Housing	B	Metal	White	Mech Room 1	Intact	4th Floor	0.01
45	HVAC stand	C	Metal	Gray	Mech Room 1	Intact	4th Floor	0.07
46	Floor	B	Concrete	Gray	Mech Room 1	Intact	4th Floor	0.01
47	Railing	B	Metal	White	Mech Room 1	Intact	4th Floor	0.01
48	Floor	B	Concrete	Gray	Elev. Machine Rm	Intact	4th Floor	0.03
49	Motor	D	Wood	Gray	Elev. Machine Rm	Intact	4th Floor	0.14
50	Hoist	D	Wood	Gray	Elev. Machine Rm	Intact	4th Floor	0.05
51	Control Cabinet	A	Wood	Gray	Elev. Machine Rm	Intact	4th Floor	0.02
52	Wall	A	Concrete	Beige	Elev. Machine Rm	Intact	4th Floor	0
53	Wall	B	Concrete	Beige	Elev. Machine Rm	Intact	4th Floor	0.01
54	Wall	C	Concrete	Beige	Elev. Machine Rm	Intact	4th Floor	0

SUNY Oswego - Wilber Hall Program Study								
XRF Testing Date: September 10 and 11, 2007				Niton Model XLp 300A				Serial # 11961
No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
55	Wall	D	Concrete	Beige	Elev. Machine Rm	Intact	4th Floor	0.01
56	Radiator Cover	C	Metal	Beige	Elev. Machine Rm	Intact	4th Floor	0.01
57	Lintel	C	Metal	Beige	Elev. Machine Rm	Intact	4th Floor	0.01
58	Lintel	D	Metal	Beige	Stairwell	Intact	4th Floor	0.03
59	Door	D	Metal	Tan	Stairwell	Intact	4th Floor	0.02
60	Door Jamb	D	Metal	Tan	Stairwell	Intact	4th Floor	0.04
61	Ceiling	D	Plaster	White	Stairwell	Intact	4th Floor	0
62	Radiator Cover	C	Metal	Tan	Stairwell	Intact	4th Floor	0.05
63	Floor	C	Concrete	Gray	Stairwell	Intact	4th Floor	0.03
64	Stair Stringer	C	Metal	Gray	Stairwell	Intact	4th Floor	0.05
65	Stair Stringer	A	Metal	Gray	Stairwell	Intact	4th Floor	0.03
66	Stair Riser	D	Metal	Gray	Stairwell	Intact	4th Floor	0.01
67	Door	C	Metal	Tan	Stair Lobby	Intact	3rd Floor	0.07
68	Door Jamb	C	Metal	Tan	Stair Lobby	Intact	3rd Floor	0.11
69	Ceiling	C	Metal	Gray	Freight Elevator	Intact	3rd Floor	0
70	Ceiling	C	Metal	Gray	Freight Elevator	Intact	3rd Floor	0.01
71	Door	C	Metal	Tan	Freight Elevator	Intact	3rd Floor	0.04
72	Door Jamb	C	Metal	Tan	Freight Elevator	Intact	3rd Floor	0.14
73	Door	C	Metal	Tan	Freight Elevator	Intact	3rd Floor	0.07
74	Wall	A	Glazed Tile	Yellow	Corridor 315	Intact	3rd Floor	0.05
75	Wall	B	Glazed Tile	Yellow	Corridor 315	Intact	3rd Floor	0.01
76	Wall	B	Glazed Tile	Brown	Corridor 315	Intact	3rd Floor	0.01
77	Wall	C	Glazed Tile	Brown	Corridor 315	Intact	3rd Floor	0.01
78	Wall	D	Glazed Tile	Brown	Corridor 315	Intact	3rd Floor	0.03
79	Radiator Cover	C	Metal	Yellow	Corridor 315	Intact	3rd Floor	0.02
80	Soffit	A	Drywall	Tan	Corridor 315	Intact	3rd Floor	0
81	Soffit	C	Drywall	Tan	Corridor 315	Intact	3rd Floor	0
82	Door	C	Metal	Tan	Corridor 315	Intact	3rd Floor	0.01
83	Door Jamb	C	Metal	Yellow	Corridor 315	Intact	3rd Floor	0.13
84	Door Jamb	A	Metal	Yellow	Corridor 315	Intact	3rd Floor	0.05
85	Door Jamb	A	Metal	Yellow	Corridor 315	Intact	3rd Floor	0.1
86	Door	A	Metal	Tan	Corridor 315	Intact	3rd Floor	0.03
87	Door	A	Metal	Tan	Corridor 315	Intact	3rd Floor	0.07
88	Wall	A	Plaster	Blue	317	Intact	3rd Floor	0.04
89	Wall	B	Plaster	Blue	317	Intact	3rd Floor	0.04
90	Wall	C	Plaster	Blue	317	Intact	3rd Floor	0.03
91	Wall	D	Plaster	Blue	317	Intact	3rd Floor	0.03
92	Ceiling	D	Plaster	Beige	317	Intact	3rd Floor	0.03
93	Floor	D	Ceramic Tile	Tan	317	Intact	3rd Floor	0.01
94	Covebase	D	Ceramic Tile	Tan	317	Intact	3rd Floor	0.05
95	Wall	A	Ceramic Tile	Tan	Mens Rm 316	Intact	3rd Floor	0.02
96	Wall	B	Ceramic Tile	Tan	Mens Rm 316	Intact	3rd Floor	0.02
97	Wall	C	Ceramic Tile	Tan	Mens Rm 316	Intact	3rd Floor	0.03
98	Wall	D	Ceramic Tile	Blue	Mens Rm 316	Intact	3rd Floor	0.06
99	Ceiling	D	Plaster	Beige	Mens Rm 316	Intact	3rd Floor	0
100	Vent Grate	C	Wood	Beige	Mens Rm 316	Intact	3rd Floor	0
101	Radiator Cover	A	Metal	Beige	Mens Rm 316	Intact	3rd Floor	0.02
102	Floor	A	Ceramic Tile	Beige	Mens Rm 316	Intact	3rd Floor	0
103	Wall	A	Plaster	White	360	Intact	3rd Floor	0.01
104	Wall	B	Plaster	White	360	Intact	3rd Floor	0.03
105	Wall	C	Plaster	White	360	Intact	3rd Floor	0.02
106	Wall	D	Plaster	White	360	Intact	3rd Floor	0.02
107	Ceiling	D	Plaster	White	360	Intact	3rd Floor	0.02
108	Radiator Cover	A	Metal	White	360	Intact	3rd Floor	0.15

SUNY Oswego - Wilber Hall Program Study								
XRF Testing Date: September 10 and 11, 2007					Niton Model XLp 300A			Serial # 11961
No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
109	Door	C	Metal	Tan	360	Intact	3rd Floor	0.08
110	Door	C	Metal	White	360	Intact	3rd Floor	0.06
111	Wall	A	Drywall	White	354	Intact	3rd Floor	0
112	Wall	B	Drywall	Blue	354	Intact	3rd Floor	0
113	Floor	B	Glazed Tile	Tan	357	Intact	3rd Floor	0.01
114	Wall	A	Glazed Tile	Yellow	Stair 304	Intact	3rd Floor	0.03
115	Wall	D	Glazed Tile	Yellow	Stair 304	Intact	3rd Floor	0.01
116	Wall	C	Glazed Tile	Yellow	Stair 304	Intact	3rd Floor	0.03
117	Wall	B	Glazed Tile	Brown	Stair 304	Intact	3rd Floor	0.05
118	Radiator Cover	A	Metal	Yellow	Stair 304	Intact	3rd Floor	0.02
119	Door Jamb	C	Metal	Yellow	Stair 304	Intact	3rd Floor	0.09
120	Door	C	Metal	Tan	Stair 304	Intact	3rd Floor	0.02
121	Stair Stringer	C	Metal	Gray	Stair 304	Intact	3rd Floor	0.08
122	Stair Stringer	A	Metal	Gray	Stair 304	Intact	3rd Floor	0.02
123	Stair Riser	A	Metal	Gray	Stair 304	Intact	3rd Floor	0.02
124	Wall	A	Plaster	White	253A	Intact	2nd Floor	0.05
125	Wall	B	Plaster	White	253A	Intact	2nd Floor	0.02
126	Wall	C	Plaster	White	253A	Intact	2nd Floor	0.04
127	Wall	C	Plaster	White	253A	Intact	2nd Floor	0.09
128	Wall	D	Plaster	White	253A	Intact	2nd Floor	0.03
129	Radiator Cover	D	Metal	White	253A	Intact	2nd Floor	0.02
130	Door	C	Metal	Tan	253A	Intact	2nd Floor	0.11
131	Door Jamb	C	Metal	Tan	253A	Intact	2nd Floor	0.05
132	Door Jamb	A	Metal	Brown	253	Intact	2nd Floor	0
133	Door	A	Metal	Brown	253	Intact	2nd Floor	0
134	Door	A	Metal	Brown	253	Intact	2nd Floor	0
135	Wall	A	Drywall	White	253	Intact	2nd Floor	0
136	Wall	B	Plaster	White	253	Intact	2nd Floor	0
137	Electrical Panel	B	Metal	White	253	Intact	2nd Floor	0.08
138	Wall	C	Plaster	White	253	Intact	2nd Floor	0.03
139	Wall	D	Plaster	White	253	Intact	2nd Floor	0.01
140	Lintel	D	Metal	White	253	Intact	2nd Floor	0.03
141	Radiator Cover	D	Metal	White	253	Intact	2nd Floor	0.01
142	Radiator Cover	C	Metal	White	253	Intact	2nd Floor	0.03
143	Wall	A	Glazed Tile	Tan	216	Intact	2nd Floor	0.02
144	Wall	D	Glazed Tile	Yellow	216	Intact	2nd Floor	0.01
145	Wall	C	Glazed Tile	Tan	216	Intact	2nd Floor	0.08
146	Wall	B	Glazed Tile	Tan	216	Intact	2nd Floor	0.02
147	Door	D	Metal	Tan	216	Intact	2nd Floor	0.11
148	Door Jamb	D	Metal	Tan	216	Intact	2nd Floor	0.03
149	Door Jamb	A	Metal	Tan	216	Intact	2nd Floor	0.11
150	Door	A	Metal	Tan	216	Intact	2nd Floor	0.12
151	Door	C	Metal	Tan	216	Intact	2nd Floor	0.03
152	Door Jamb	C	Metal	Tan	216	Intact	2nd Floor	0.1
153	Radiator Cover	B	Metal	Tan	216	Intact	2nd Floor	0.06
154	Radiator Cover	A	Metal	Beige	253B	Intact	2nd Floor	0.01
155	Wall	A	Plaster	Beige	253B	Intact	2nd Floor	0.01
156	Wall	B	Plaster	Beige	253B	Intact	2nd Floor	0.05
157	Wall	C	Plaster	Beige	253B	Intact	2nd Floor	0
158	Wall	D	Plaster	Beige	253B	Intact	2nd Floor	0.04
159	Door	B	Metal	Tan	253B	Intact	2nd Floor	0.03
160	Door Jamb	B	Metal	Beige	253B	Intact	2nd Floor	0.02
161	Ceiling	B	Plaster	Beige	253B	Intact	2nd Floor	0.03
162	Ceiling	B	Plaster	White	254	Intact	2nd Floor	0.01

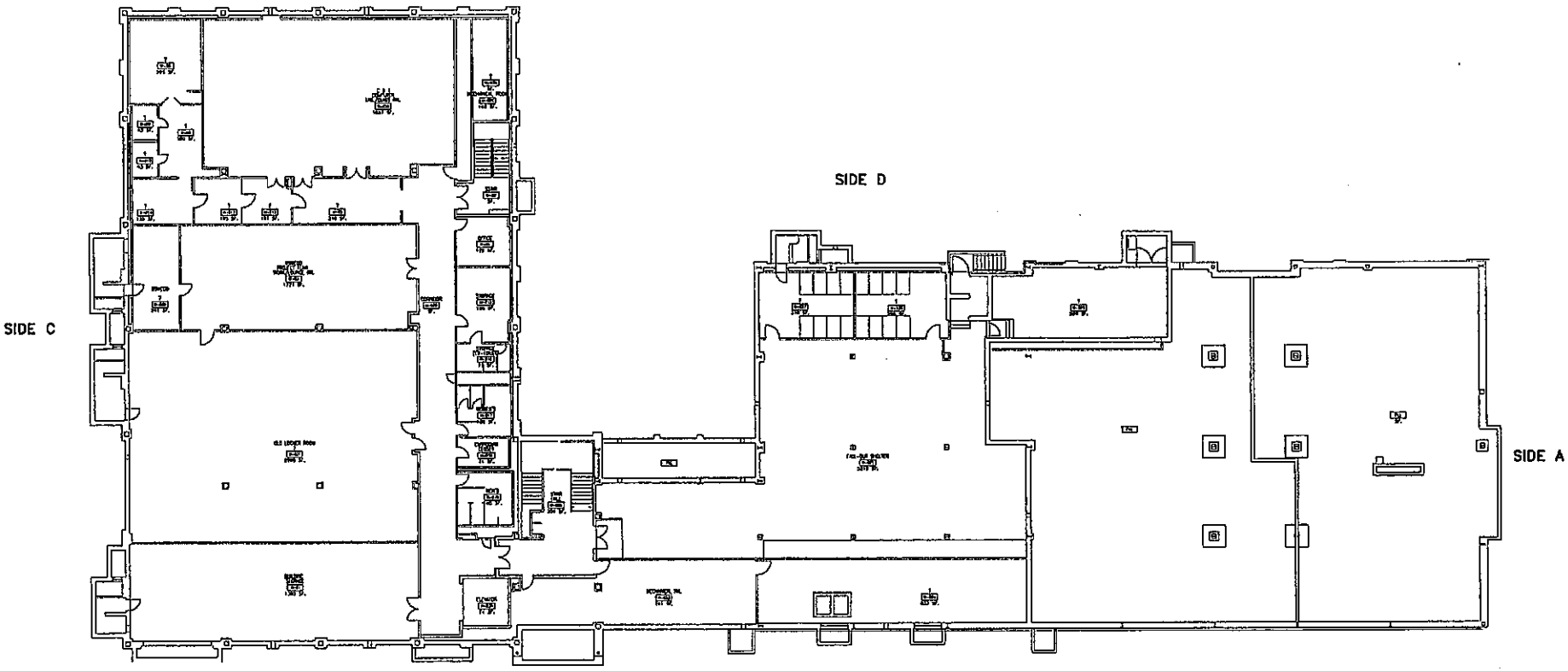
SUNY Oswego - Wilber Hall Program Study								
XRF Testing Date: September 10 and 11, 2007				Niton Model XLp 300A				Serial # 11961
No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
163	Wall	A	Plaster	White	254	Intact	2nd Floor	0.03
164	Wall	A	Plaster	White	254	Intact	2nd Floor	0
165	Wall	C	Plaster	White	254	Intact	2nd Floor	0.01
166	Wall	D	Plaster	White	254	Intact	2nd Floor	0.03
167	Radiator Cover	A	Metal	White	254	Intact	2nd Floor	0.08
168	Door	C	Metal	Beige	254	Intact	2nd Floor	0.01
169	Door Jamb	C	Metal	White	254	Intact	2nd Floor	0.03
170	Door Jamb	C	Metal	White	256	Intact	2nd Floor	0.1
171	Door	C	Metal	Tan	256	Intact	2nd Floor	0.08
172	Radiator Cover	C	Metal	Beige	256	Intact	2nd Floor	0.02
173	Ceiling	C	Plaster	White	256	Intact	2nd Floor	0.03
174	Wall	A	Plaster	Beige	256	Intact	2nd Floor	0.03
175	Wall	B	Plaster	Beige	256	Intact	2nd Floor	0.08
176	Wall	C	Plaster	Beige	256	Intact	2nd Floor	0.04
177	Wall	D	Plaster	Beige	256	Intact	2nd Floor	0
178	Wall	A	Drywall	Beige	252A	Intact	2nd Floor	0
179	Wall	B	Drywall	Beige	252A	Intact	2nd Floor	0.01
180	Wall	C	Plaster	Blue	252A	Intact	2nd Floor	0
181	Wall	D	Plaster	Blue	252A	Intact	2nd Floor	0.04
182	Wall	A	Drywall	Beige	252F	Intact	2nd Floor	0
183	Wall	B	Drywall	Beige	252F	Intact	2nd Floor	0
184	Wall	D	Plaster	Beige	252F	Intact	2nd Floor	0.01
185	Wall	C	Plaster	Blue	252F	Intact	2nd Floor	0.01
186	Radiator Cover	C	Metal	Brown	252F	Intact	2nd Floor	0
187	Door	B	Metal	Brown	252F	Intact	2nd Floor	0
188	Door Jamb	B	Metal	Brown	252F	Intact	2nd Floor	0
189	Wall	A	Drywall	Blue	251 Lunch Area	Intact	2nd Floor	0
190	Wall	B	Drywall	Beige	251 Lunch Area	Intact	2nd Floor	0
191	Wall	D	Plaster	Beige	251 Lunch Area	Intact	2nd Floor	0.01
192	Wall	C	Plaster	Blue	251 Lunch Area	Intact	2nd Floor	0.01
193	Electrical Panel	D	Metal	Beige	251 Lunch Area	Intact	2nd Floor	0.15
194	Radiator Cover	C	Metal	Brown	251 Lunch Area	Intact	2nd Floor	0
195	Door Casing	D	Wood	Brown	251 Lunch Area	Intact	2nd Floor	0
196	Door Jamb	D	Wood	Brown	251 Lunch Area	Intact	2nd Floor	0
197	Door Jamb	D	Wood	Brown	251 Lunch Area	Intact	2nd Floor	0
198	Door	D	Wood	Brown	251 Lunch Area	Intact	2nd Floor	0.03
199	Door	B	Metal	Brown	252D	Intact	2nd Floor	0
200	Door Jamb	B	Metal	Brown	252D	Intact	2nd Floor	0
201	Wall	A	Drywall	Beige	252D	Intact	2nd Floor	0.02
202	Wall	B	Drywall	Beige	252D	Intact	2nd Floor	0
203	Wall	D	Drywall	Beige	252D	Intact	2nd Floor	0
204	Wall	C	Drywall	Blue	252D	Intact	2nd Floor	0
205	Wall	A	Plaster	Blue	213	Intact	2nd Floor	0.02
206	Wall	B	Plaster	Blue	213	Intact	2nd Floor	0.13
207	Wall	C	Plaster	Blue	213	Intact	2nd Floor	0.01
208	Wall	D	Plaster	Blue	213	Intact	2nd Floor	0.05
209	Wall	D	Plaster	Blue	213	Intact	2nd Floor	0.01
210	Door	A	Metal	Tan	213	Intact	2nd Floor	0.11
211	Door Jamb	A	Metal	Tan	213	Intact	2nd Floor	0.05
212	Ceiling	A	Plaster	Beige	213	Intact	2nd Floor	0.05
213	Floor	A	Ceramic Tile	Tan	213	Intact	2nd Floor	0
214	Covebase	A	Ceramic Tile	Tan	213	Intact	2nd Floor	0.03
215	Wall	A	Plaster	Beige	250	Intact	2nd Floor	0.06
216	Wall	B	Drywall	Beige	250	Intact	2nd Floor	0.01

SUNY Oswego - Wilber Hall Program Study								
XRF Testing Date: September 10 and 11, 2007				Niton Model XLp 300A				Serial # 11961
No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
217	Wall	C	Drywall	Blue	250	Intact	2nd Floor	0
218	Wall	D	Plaster	Blue	250	Intact	2nd Floor	0.03
219	Door	A	Metal	Brown	250	Intact	2nd Floor	0.17
220	Door Jamb	A	Metal	Brown	250	Intact	2nd Floor	0.06
221	Door Jamb	D	Metal	Brown	250C	Intact	2nd Floor	0
222	Door	D	Metal	Brown	250C	Intact	2nd Floor	0
223	Radiator Cover	B	Metal	Brown	250C	Intact	2nd Floor	0
224	Wall	A	Plaster	Beige	250C	Intact	2nd Floor	0.04
225	Wall	B	Plaster	Beige	250C	Intact	2nd Floor	0.01
226	Wall	C	Drywall	Beige	250C	Intact	2nd Floor	0
227	Wall	D	Drywall	Beige	250C	Intact	2nd Floor	0
228	Wall	A	Plaster	Beige	251B	Intact	2nd Floor	0.04
229	Wall	B	Plaster	Beige	251B	Intact	2nd Floor	0
230	Wall	C	Plaster	Beige	251B	Intact	2nd Floor	0.07
231	Wall	D	Plaster	Beige	251B	Intact	2nd Floor	0.01
232	Ceiling	D	Plaster	White	251B	Intact	2nd Floor	0.02
233	Door	D	Metal	Tan	251B	Intact	2nd Floor	0.07
234	Door Jamb	D	Metal	Tan	251B	Intact	2nd Floor	0.02
235	Door Jamb	D	Metal	Brown	250A	Intact	2nd Floor	0
236	Door	D	Metal	Brown	250A	Intact	2nd Floor	0
237	Door	D	Metal	Brown	250A	Intact	2nd Floor	0
238	Wall	A	Plaster	Beige	250A	Intact	2nd Floor	0.04
239	Wall	B	Plaster	Beige	250A	Intact	2nd Floor	0.02
240	Wall	D	Plaster	Beige	250A	Intact	2nd Floor	0.01
241	Wall	C	Plaster	Beige	250A	Intact	2nd Floor	0.03
242	Wall	A	Ceramic Tile	Green	214	Intact	2nd Floor	0.05
243	Wall	B	Ceramic Tile	Green	214	Intact	2nd Floor	0.03
244	Wall	C	Ceramic Tile	Green	214	Intact	2nd Floor	0.07
245	Floor	C	Ceramic Tile	Green	214	Intact	2nd Floor	0.01
246	Ceiling	C	Plaster	White	214	Intact	2nd Floor	0.02
247	Calibration							1.1
248	Calibration							1.1
249	Calibration							1.1
250	Wall	A	Plaster	Tan	B3	Intact	1st Floor	0.02
251	Wall	B	Plaster	Tan	B3	Intact	1st Floor	0
252	Wall	D	Plaster	Tan	B3	Intact	1st Floor	0.01
253	Wall	D	Plaster	Tan	B3	Intact	1st Floor	0.02
254	Door	A	Metal	Tan	B3	Intact	1st Floor	0
255	Door Jamb	A	Metal	Tan	B3	Intact	1st Floor	0.11
256	Electrical Panel	B	Metal	Tan	B3	Intact	1st Floor	0.12
257	Wall	A	Wood	Blue	B3A	Intact	1st Floor	0.04
258	Wall	B	Plaster	Blue	B3A	Intact	1st Floor	0
259	Wall	C	Plaster	Blue	B3A	Intact	1st Floor	0
260	Wall	D	Plaster	Blue	B3A	Intact	1st Floor	0.01
261	Door	C	Metal	Blue	B3A	Intact	1st Floor	0.06
262	Door Jamb	C	Metal	Blue	B3A	Intact	1st Floor	0.05
263	Door Jamb	B	Metal	Tan	B8	Intact	1st Floor	0.03
264	Door	B	Metal	Tan	B8	Intact	1st Floor	0.14
265	Wall	A	Glazed Tile	Yellow	B8	Intact	1st Floor	0.02
266	Wall	B	Glazed Tile	Yellow	B8	Intact	1st Floor	0.03
267	Wall	C	Glazed Tile	Yellow	B8	Intact	1st Floor	0.02
268	Wall	D	Glazed Tile	Yellow	B8	Intact	1st Floor	0.02
269	Wall	A	Glazed Tile	Yellow	B10	Intact	1st Floor	0
270	Wall	B	Glazed Tile	Yellow	B10	Intact	1st Floor	0.03

SUNY Oswego - Wilber Hall Program Study								
XRF Testing Date: September 10 and 11, 2007				Niton Model XLp 300A				Serial # 11961
No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
271	Wall	C	Glazed Tile	Yellow	B10	Intact	1st Floor	0.01
272	Wall	D	Glazed Tile	Yellow	B10	Intact	1st Floor	0.02
273	Wall	D	Glazed Tile	Yellow	B10	Intact	1st Floor	0.03
274	Floor	D	Glazed Tile	Brown	B10	Intact	1st Floor	0.01
275	Door	A	Metal	Tan	B10	Intact	1st Floor	0
276	Door Jamb	A	Metal	Tan	B10	Intact	1st Floor	0.08
277	Door Jamb	A	Metal	Tan	B12	Intact	1st Floor	0.09
278	Door	A	Metal	Tan	B12	Intact	1st Floor	0.02
279	Wall	A	Plaster	White	B12	Intact	1st Floor	0
280	Wall	B	Plaster	Tan	B12	Intact	1st Floor	0
281	Wall	C	Plaster	White	B12	Intact	1st Floor	0
282	Wall	D	Plaster	White	B12	Intact	1st Floor	0
283	Wall	A	Concrete	Yellow	B2A	Intact	1st Floor	0
284	Wall	B	Concrete	Yellow	B2A	Intact	1st Floor	0
285	Wall	C	Concrete	Yellow	B2A	Intact	1st Floor	0
286	Wall	D	Concrete	Yellow	B2A	Intact	1st Floor	0.03
287	Door Jamb	C	Metal	Yellow	B2A	Intact	1st Floor	0.03
288	Door	C	Metal	Tan	B2A	Intact	1st Floor	0
289	Radiator Cover	A	Metal	Brown	Stair B2	Intact	Basement	0.03
290	Door	B	Metal	Tan	Stair B2	Intact	Basement	0.06
291	Door Jamb	B	Metal	Tan	Stair B2	Intact	Basement	0.04
292	Wall	A	Glazed Tile	Brown	Stair B2	Intact	Basement	0.07
293	Wall	B	Glazed Tile	Yellow	Stair B2	Intact	Basement	0.04
294	Wall	C	Glazed Tile	Yellow	Stair B2	Intact	Basement	0.01
295	Wall	D	Glazed Tile	Yellow	Stair B2	Intact	Basement	0.01
296	Stair Stringer	C	Metal	Gray	Stair B2	Intact	Basement	0.03
297	Stair Stringer	C	Metal	Tan	Stair B2	Intact	Basement	0.04
298	Stair Riser	C	Metal	Tan	Stair B2	Intact	Basement	0.05
299	Stair Riser	C	Metal	Gray	Stair B2	Intact	Basement	0.02
300	Door	C	Metal	Tan	B15	Intact	Basement	0.01
301	Door Jamb	C	Metal	Blue	B15	Intact	Basement	0.05
302	Ceiling	C	Plaster	Beige	B15	Intact	Basement	0
303	Wall	A	Plaster	Blue	B15	Intact	Basement	0
304	Wall	B	Plaster	Blue	B15	Intact	Basement	0
305	Wall	C	Plaster	Blue	B15	Intact	Basement	0
306	Wall	D	Plaster	Blue	B15	Intact	Basement	0
307	Wall	A	Ceramic Tile	Green	Bath B16	Intact	Basement	0.04
308	Wall	B	Ceramic Tile	Green	Bath B16	Intact	Basement	0.04
309	Wall	C	Ceramic Tile	Green	Bath B16	Intact	Basement	0.02
310	Wall	D	Ceramic Tile	Green	Bath B16	Intact	Basement	0.01
311	Radiator Cover	C	Metal	Green	Bath B16	Intact	Basement	0.01
312	Door Jamb	B	Metal	Green	Bath B16	Intact	Basement	0.05
313	Door	B	Metal	Tan	Bath B16	Intact	Basement	0.07
314	Ceiling	B	Plaster	Beige	Bath B16	Intact	Basement	0.01
315	Floor	B	Ceramic Tile	Brown	Bath B16	Intact	Basement	0.04
316	Floor	B	Concrete	Green	B23	Intact	Basement	0.13
317	Wall	A	Concrete	Yellow	B23	Intact	Basement	0.01
318	Wall	B	Concrete	Yellow	B23	Intact	Basement	0.03
319	Wall	D	Concrete	Yellow	B23	Intact	Basement	0.01
320	Wall	C	Concrete	Yellow	B23	Intact	Basement	0
321	Door	D	Metal	Tan	B23	Intact	Basement	0.02
322	Door Jamb	D	Metal	Yellow	B23	Intact	Basement	0.02
323	Air Compressor	A	Metal	Gray	B23	Intact	Basement	0.02
324	Air Compressor	B	Metal	Green	B23	Intact	Basement	0

SUNY Oswego - Wilber Hall Program Study								
XRF Testing Date: September 10 and 11, 2007				Niton Model XLp 300A				Serial # 11961
No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
325	Electrical Panel	D	Metal	Yellow	B23	Intact	Basement	0.07
326	Electrical Panel	D	Metal	Gray	B23	Intact	Basement	0
327	sump tank	D	Metal	Orange	B23	Intact	Basement	0
328	Pipes	D	Metal	Black	B23	Intact	Basement	0
329	Valve	D	Metal	Black	B23	Intact	Basement	0.04
330	Pump	D	Metal	Red	B23	Intact	Basement	0.2
331	Pipe Hanger	D	Metal	Beige	B23	Intact	Basement	0.05
332	Heat Exchanger	A	Metal	Gray	B23	Intact	Basement	0.13
333	Wall	A	Glazed Tile	Yellow	B20	Intact	Basement	0
334	Wall	A	Glazed Tile	Tan	B20	Intact	Basement	0.05
335	Wall	B	Glazed Tile	Yellow	B20	Intact	Basement	0
336	Wall	C	Glazed Tile	Tan	B20	Intact	Basement	0.01
337	Wall	D	Glazed Tile	Tan	B20	Intact	Basement	0.05
338	Wall	D	Glazed Tile	Brown	B20	Intact	Basement	0.02
339	Wall	A	Plaster	Beige	113	Intact	1st Floor	0
340	Wall	B	Plaster	Beige	113	Intact	1st Floor	0.01
341	Wall	C	Plaster	Beige	113	Intact	1st Floor	0
342	Wall	D	Plaster	Beige	113	Intact	1st Floor	0.01
343	Radiator Cover	A	Metal	Beige	113	Intact	1st Floor	0.12
344	Door Jamb	C	Metal	Brown	113	Intact	1st Floor	0.06
345	Door Jamb	C	Metal	Brown	105	Intact	1st Floor	0.09
346	Wall	A	Drywall	Beige	105	Intact	1st Floor	0.01
347	Wall	B	Drywall	Beige	105	Intact	1st Floor	0
348	Wall	C	Plaster	Beige	105	Intact	1st Floor	0
349	Wall	C	Drywall	Beige	105	Intact	1st Floor	0
350	Wall	A	Concrete	Beige	B25	Intact	Basement	0
351	Wall	B	Concrete	Green	B25	Intact	Basement	0
352	Wall	C	Concrete	Green	B25	Intact	Basement	0.01
353	Wall	C	Brick	Beige	B25	Intact	Basement	0
354	Door	C	Metal	Green	B25	Intact	Basement	0.3
355	Door Jamb	C	Metal	Beige	B25	Intact	Basement	0.03
356	Floor	C	Concrete	Green	B25	Intact	Basement	0.2
357	Floor	C	Concrete	Green	B25	Intact	Basement	0.16
358	Wall	D	Concrete	Beige	B25	Intact	Basement	0
359	Wall	D	Concrete	Beige	B25	Intact	Basement	0
360	Duct	D	Metal	Beige	B25	Intact	Basement	0.04
361	Tank	C	Metal	Tan	B25	Intact	Basement	0.05
362	Tank	C	Metal	Tan	B25	Intact	Basement	0.07
363	Door	D	Metal	Green	B25	Intact	Basement	0.3
364	Door Jamb	D	Metal	Beige	B25	Intact	Basement	0.1
365	Wall	A	Concrete	Blue	163	Intact	1st Floor	0
366	Wall	B	Concrete	Blue	163	Intact	1st Floor	0.01
367	Wall	C	Concrete	Blue	163	Intact	1st Floor	0.01
368	Wall	D	Concrete	Blue	163	Intact	1st Floor	0
369	Wall	D	Concrete	Blue	163	Intact	1st Floor	0
370	Door	D	Metal	Tan	163	Intact	1st Floor	0.01
371	Door Jamb	D	Metal	Tan	163	Intact	1st Floor	0
372	Door Jamb	C	Metal	Tan	163	Intact	1st Floor	0.09
373	Electrical Panel	C	Metal	Blue	163	Intact	1st Floor	0.08
374	Ceiling	C	Metal	Gray	163A	Intact	1st Floor	0
375	Wall	A	Concrete	Beige	163A	Intact	1st Floor	0
376	Wall	B	Concrete	Beige	163A	Intact	1st Floor	0
377	Wall	D	Concrete	Beige	163A	Intact	1st Floor	0
378	Wall	A	Drywall	White	160C	Intact	1st Floor	0

SUNY Oswego - Wilber Hall Program Study								
XRF Testing Date: September 10 and 11, 2007				Niton Model XLp 300A				Serial # 11961
No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
379	Wall	D	Drywall	White	160C	Intact	1st Floor	0
380	Wall	B	Concrete	White	160C	Intact	1st Floor	0
381	Wall	C	Concrete	White	160C	Intact	1st Floor	0
382	Door	A	Metal	Tan	160C	Intact	1st Floor	0
383	Door Jamb	A	Metal	Tan	160C	Intact	1st Floor	0
384	Door Jamb	B	Metal	Tan	160	Intact	1st Floor	0.08
385	Door	B	Metal	Tan	160	Intact	1st Floor	0.01
386	Wall	A	Concrete	Yellow	160	Intact	1st Floor	0
387	Wall	B	Concrete	Yellow	160	Intact	1st Floor	0.01
388	Wall	C	Concrete	Yellow	160	Intact	1st Floor	0
389	Wall	D	Concrete	Yellow	160	Intact	1st Floor	0.01
390	Wall	D	Plaster	Yellow	160	Intact	1st Floor	0.01
391	Wall	A	Concrete	White	160D	Intact	1st Floor	0
392	Wall	D	Concrete	White	160D	Intact	1st Floor	0
393	Wall	C	Concrete	White	160D	Intact	1st Floor	0.01
394	Wall	C	Drywall	White	160D	Intact	1st Floor	0.01
395	Ceiling	B	Metal	White	160D	Intact	1st Floor	0
396	Electrical Panel	D	Metal	White	.160D	Intact	1st Floor	0.08
397	Door	B	Metal	Tan	160D	Intact	1st Floor	0
398	Door Jamb	B	Metal	Tan	160D	Intact	1st Floor	0
399	Wall	A	Glazed Tile	Tan	Corridor 148	Intact	1st Floor	0.01
400	Wall	B	Glazed Tile	Tan	Corridor 148	Intact	1st Floor	0.02
401	Wall	C	Glazed Tile	Yellow	Corridor 148	Intact	1st Floor	0.03
402	Wall	D	Glazed Tile	Yellow	Corridor 148	Intact	1st Floor	0.03
403	Radiator Cover	B	Metal	Tan	Corridor 148	Intact	1st Floor	0.03
404	Calibration							1
405	Calibration							1.1
406	Calibration							1.1
407	Unit Ventilator	B	Metal	Gray	353	Intact	3rd Floor	0
408	Door	A	Metal	Tan	353	Intact	3rd Floor	0.01
409	Door Jamb	A	Metal	Beige	353	Intact	3rd Floor	0.13
410	Wall	A	Plaster	Beige	353	Intact	3rd Floor	0.01
411	Wall	B	Plaster	Beige	353	Intact	3rd Floor	0.02
412	Wall	C	Plaster	Beige	353	Intact	3rd Floor	0.02
413	Wall	D	Plaster	Beige	353	Intact	3rd Floor	0.02
414	Exhaust Hood	B	Metal	Beige	353	Intact	3rd Floor	0.18
415	Door	C	Metal	Tan	353	Intact	3rd Floor	0.05
416	Door Jamb	C	Metal	Tan	353	Intact	3rd Floor	0.15
417	Floor	C	Ceramic Tile	Brown	353A	Intact	3rd Floor	0.01
418	Wall	A	Plaster	Beige	353A	Intact	3rd Floor	0.04
419	Wall	D	Plaster	Beige	353A	Intact	3rd Floor	0.03
420	Wall	C	Plaster	Beige	353A	Intact	3rd Floor	0.02
421	Wall	B	Plaster	Beige	353A	Intact	3rd Floor	0.01
422	Unit Ventilator	C	Metal	Tan	353A	Intact	3rd Floor	0
423	Structural Steel	B	Metal	Red	Hall	Intact	3rd Floor	0
424	Structural Steel	B	Metal	Red	Hall	Intact	3rd Floor	0.18
425	Structural Steel	B	Metal	Red	Hall	Intact	3rd Floor	0.6
426	Structural Steel	B	Metal	Red	Hall	Intact	3rd Floor	0
427	Calibration							1.1
428	Calibration							1.1
429	Calibration							1



BASEMENT PLAN

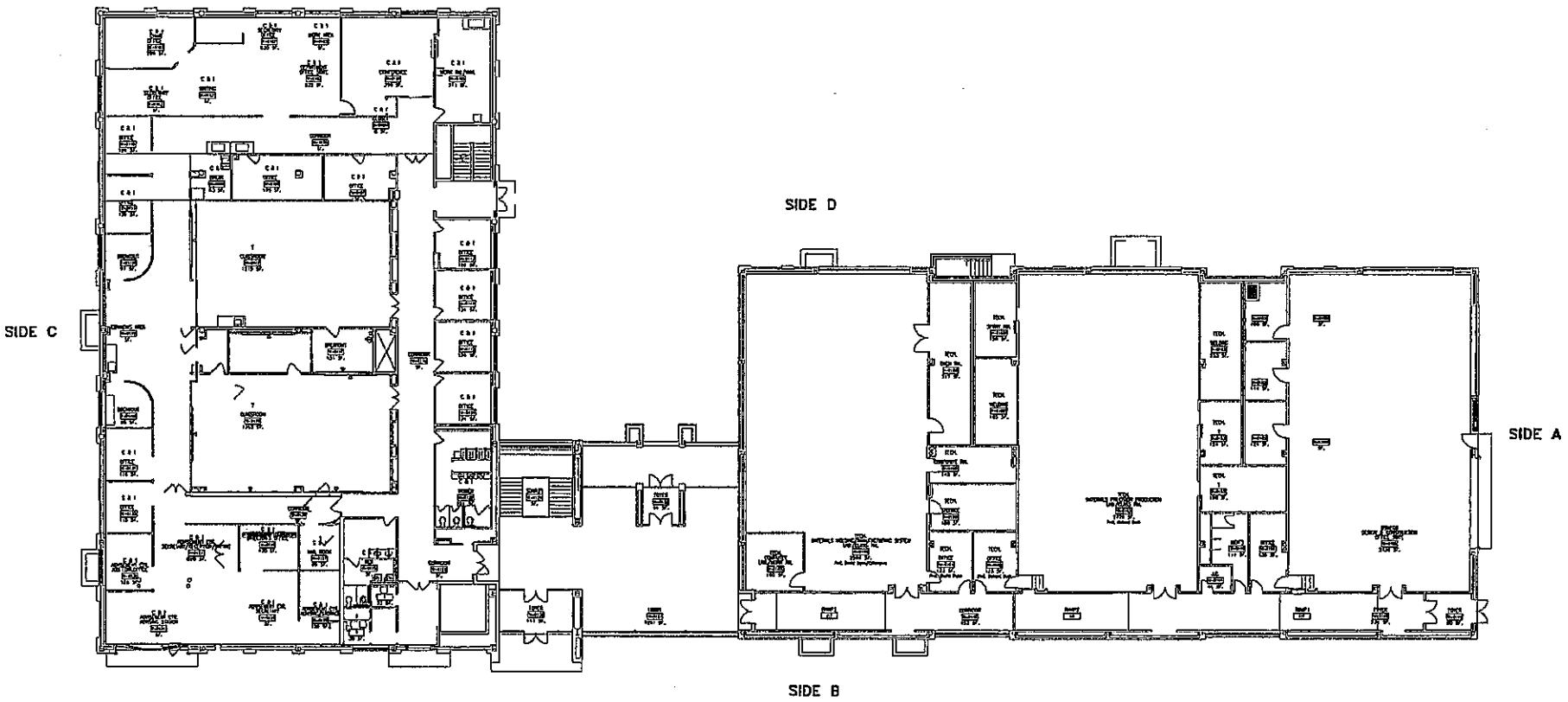
XRF TESTING WAS CONDUCTED ON SEPTEMBER 13, 2007.

WATTS ARCHITECTURE & ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226
(716) 836-1540 T (716) 836-2402 Fax

LEAD REFERENCE DRAWING
BASEMENT

SUNY OSWEGO
WILBER HALL
OSWEGO, NEW YORK

NOT TO SCALE | NOVEMBER 2007



FIRST FLOOR PLAN

XRF TESTING WAS CONDUCTED ON SEPTEMBER 13, 2007.

WATTS ARCHITECTURE & ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226
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LEAD REFERENCE DRAWING
FIRST FLOOR

SUNY OSWEGO
WILBER HALL
OSWEGO, NEW YORK

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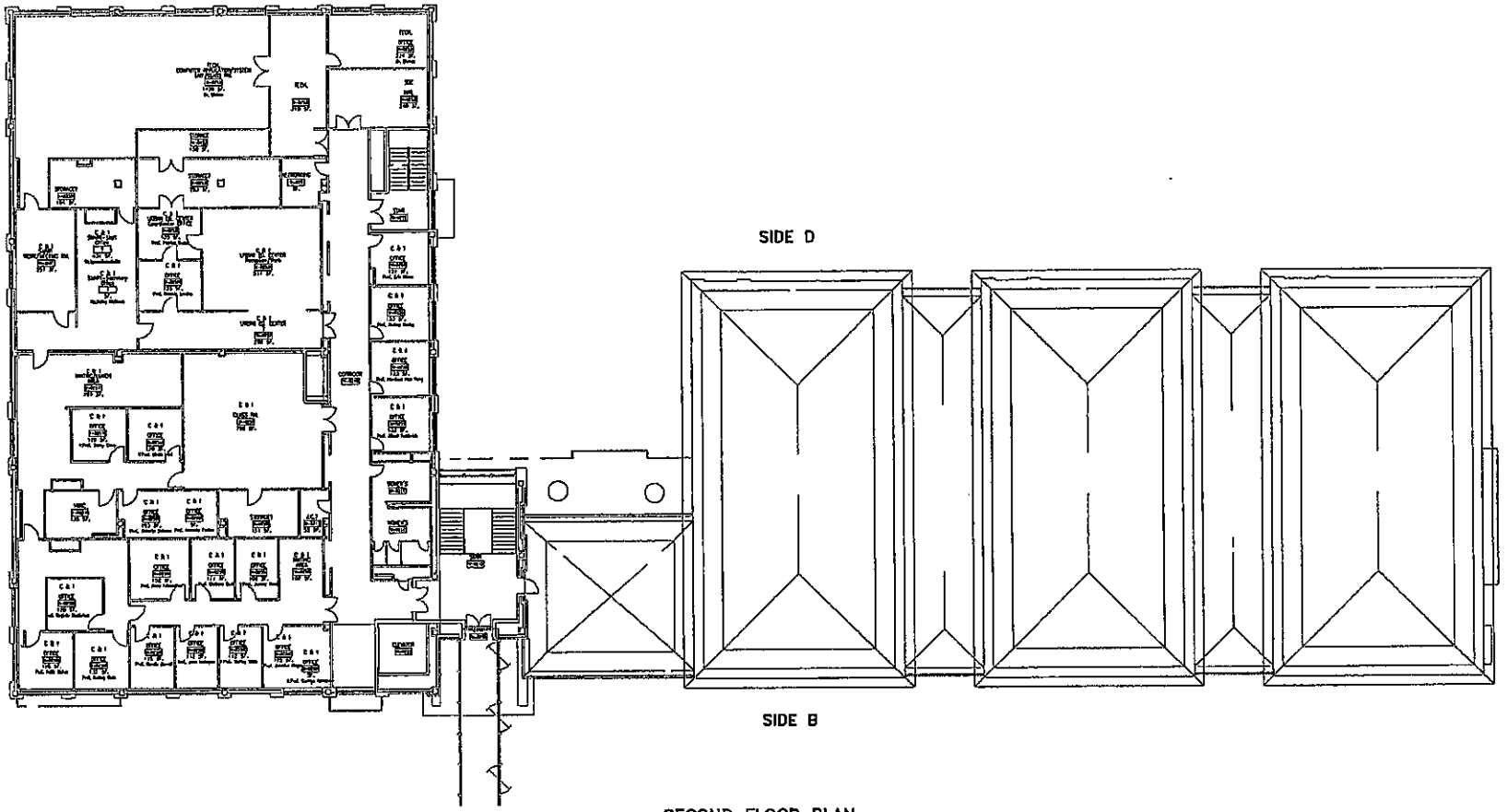

SECOND FLOOR PLAN

XRF TESTING WAS CONDUCTED ON SEPTEMBER 13, 2007.

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3826 Main Street
Buffalo, New York 14226
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LEAD REFERENCE DRAWING
SECOND FLOOR

SUNY OSWEGO
WILBER HALL
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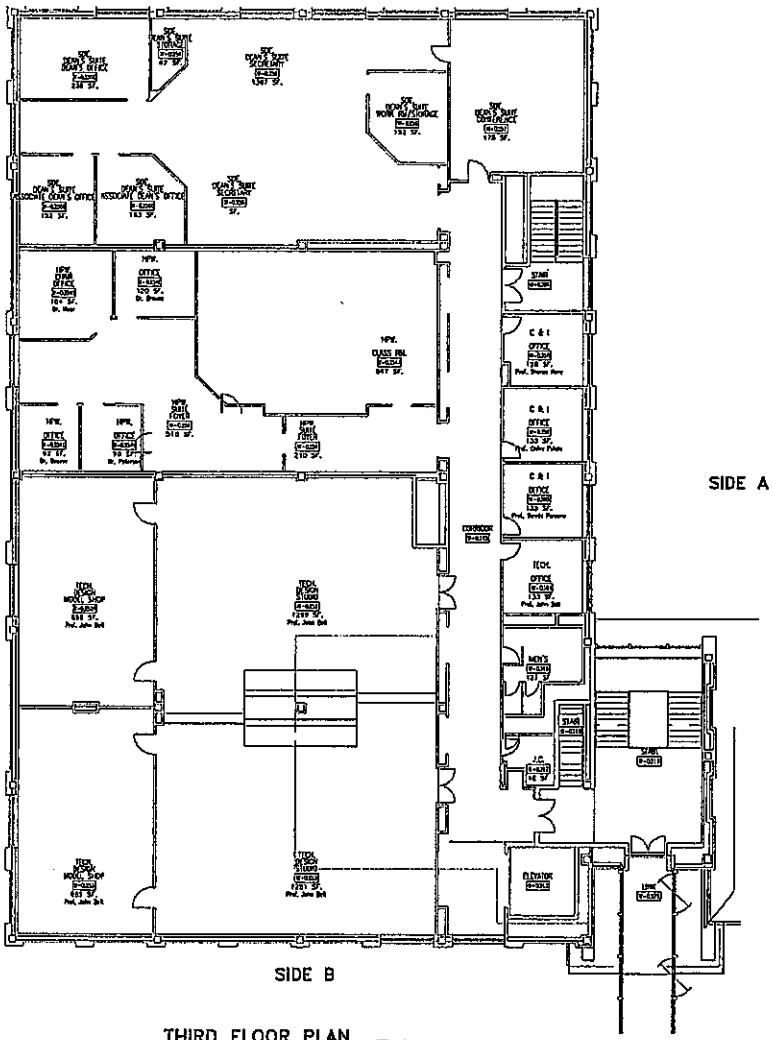
SIDE D



SIDE C

SIDE A

SIDE B

THIRD FLOOR PLAN

XRF TESTING WAS CONDUCTED ON SEPTEMBER 13, 2007.

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3826 Main Street
Buffalo, New York 14226
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LEAD REFERENCE DRAWING
THIRD FLOOR

SUNY OSWEGO
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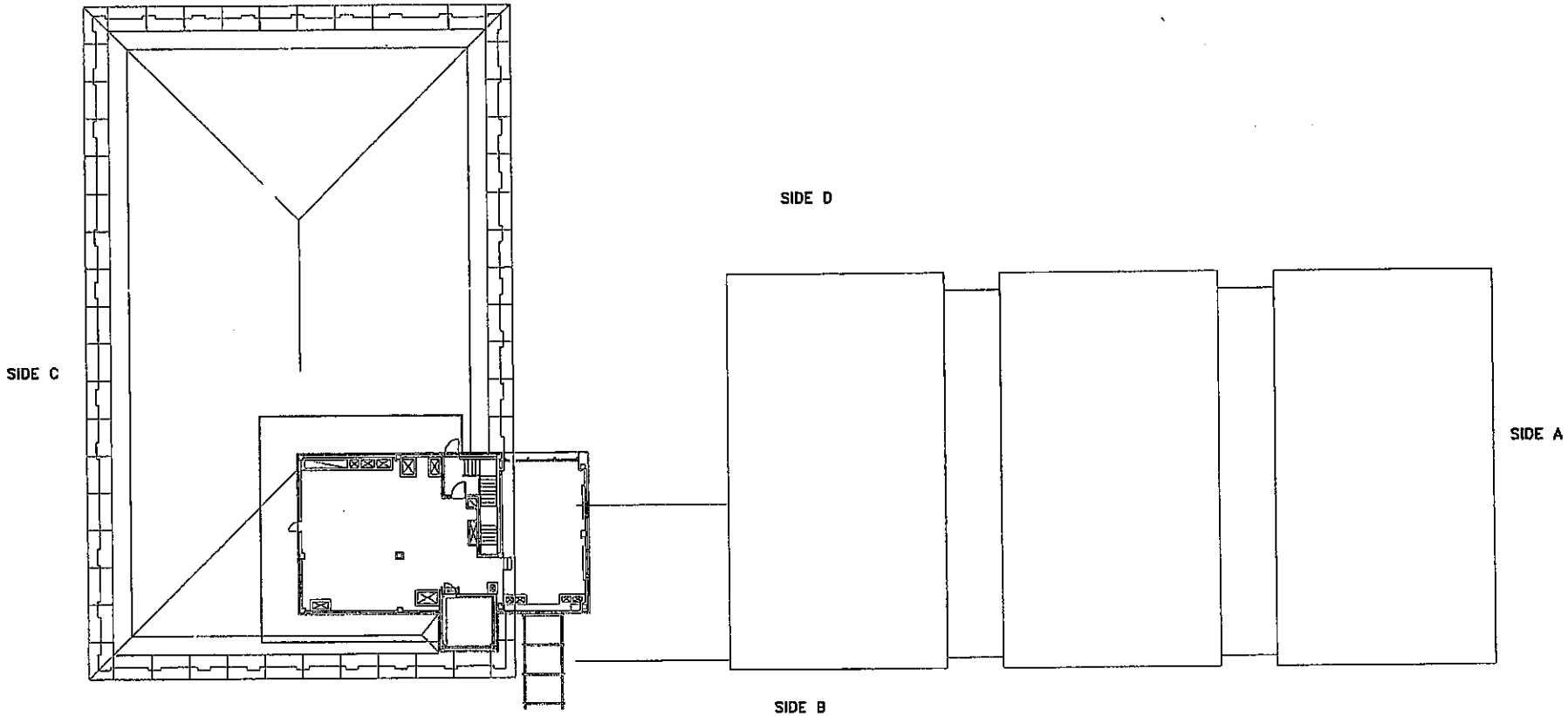

ROOF PLAN

XRF TESTING WAS CONDUCTED ON SEPTEMBER 13, 2007.

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3826 Main Street
Buffalo, New York 14226
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LEAD REFERENCE DRAWING
ROOF

SUNY OSWEGO
WILBER HALL
OSWEGO, NEW YORK

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5.0 LABORATORY ACCREDITATION

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2008
Issued April 01, 2007

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. KENNETH NAJUCH
EMSL ANALYTICAL INC
490 ROWLEY ROAD
DEPEW, NY 14043

NY Lab Id No: 11606
EPA Lab Code: NY01278

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	ITEM 198.4 OF MANUAL

Serial No.: 33019

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc.
490 Rowley Road
Depew, NY 14043
Mr. Kenneth J. Najuch
Phone: 716-651-0030 Fax: 716-651-0394
E-Mail: knajuch@emsl.com
URL: http://www.emsl.com/

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 200056-0**

NVLAP Code	*Designation / Description*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2007-07-01 through 2008-06-30
Effective dates

Sally S. Bruce
For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200056-0

EMSL Analytical, Inc.

Depew, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated 18 June 2005).

2007-07-01 through 2008-06-30

Effective dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

Sally S. Bruce

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2006-09-13)

6.0 CONSULTANT'S LICENSE AND CERTIFICATION

WATTS
ARCHITECTURE &
ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226

STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
License and Certificate Unit
BUILDING 12, STATE CAMPUS
ALBANY, NY 12240
ASBESTOS HANDLING LICENSE

RESTRICTED LICENSE
Asbestos Removal Not Permitted

Contractor: WATTS ARCHITECTURE & ENGINEERING, P.C.
3826 MAIN STREET
BUFFALO, NY 14226

LICENSE NUMBER: [illegible]
DATE OF ISSUE: [illegible]
EXPIRATION DATE: 3/31/2008

Duly Authorized Representative: EDWARD D. WATTS, P.E.

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of projects involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 4124.6-001

WATTS
ARCHITECTURE &
ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

MARK E MCNABB
CLASS(EXPIRES)
C ATEC(05/08) D INSP(05/08)
H PM (05/08) I PD (05/08)

CERT# 02-01251
DMV# 798994719
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 290A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

M. Eric McNabb

C- Air Sampling Technician
D – Inspector
H – Project Monitor
I – Project Designer

United States Environmental Protection Agency

This is to certify that

Watts Engineering & Architecture, P.C., d/b/a Watts Engineers

3826 Main Street, Buffalo, New York 14226

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402(a)(1) and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226.

In the Jurisdiction of:

New York

This certification is valid from the date of issuance and expires April 17, 2009

NY-1952-1

Certification #

FEB 10 2006

Issued On

Kenneth S. Stoller

Kenneth S. Stoller, P.E., QEP, DEE, Chief

Pesticides & Toxic Substances Branch

WATTS
ARCHITECTURE &
ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226

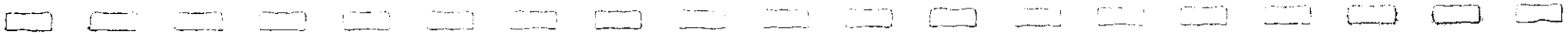
New York

RISK ASSESSOR

Certified Lead-Based Paint Professional

Certification No NY-R-448-2	
Date of Birth 05/07/1971	Expiration Date 10/31/2009
Address 969 Amherst St. Buffalo, NY 14216	
Badge Holder's Name Mark Eric McNabb	
Badge Holder's Signature Mark E. McNabb	

If found, drop in any mailbox
Postmaster: Please return to:
US EPA
1200 Pennsylvania Ave, NW
(MC-7404T)
Washington, DC 20460
or call 1-800-424-LEAD



PRE-RENOVATION SURVEY

FOR

ASBESTOS-CONTAINING MATERIALS

AND

LEAD-BASED PAINT

FOR THE

PROGRAM STUDY

AT

PARK HALL

AT THE

STATE UNIVERSITY OF NEW YORK AT OSWEGO

OSWEGO, NEW YORK

OCTOBER 2007

Prepared For:

Ashley McGraw Architects, P.C.
500 South Salina Street
Syracuse, New York

For Submission To:

State University of New York at Oswego
Oswego, New York

Prepared By:

WATTS
ARCHITECTURE & ENGINEERING, P.C.

3826 Main Street
Buffalo, New York 14226
p: 716.836.1540
f: 716.836.2402

PRE-RENOVATION SURVEY

FOR

ASBESTOS-CONTAINING MATERIALS

AND

LEAD-BASED PAINT

FOR THE

PROGRAM STUDY

AT

PARK HALL

AT THE

STATE UNIVERSITY OF NEW YORK AT OSWEGO

OSWEGO, NEW YORK

OCTOBER 2007

Prepared For:

Ashley McGraw Architects, P.C.
500 South Salina Street
Syracuse, New York

Prepared By:

Watts Architecture & Engineering, P.C.
3826 Main Street
Buffalo, New York

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1.0 EXECUTIVE SUMMARY

1.0 EXECUTIVE SUMMARY

Watts Architecture & Engineering, P.C. (Watts) was retained by Ashley McGraw Architects, P.C. to perform a pre-renovation survey for asbestos-containing materials (ACM) and lead-based paint (LBP) in Park Hall on the campus of the State University of New York at Oswego, in Oswego, New York. The purpose of the survey was to determine the presence, location and quantity of ACM for a program study of the building.

The field survey was conducted on September 10 through 13, 2007 and included the following:

- Review of existing records of previously identified asbestos-containing materials
- A visual site inspection to identify suspect ACM in the building.
- Collection and laboratory analysis of samples from each suspect material identified.
- Documentation of sample locations on drawings and chain-of-custody forms.

The inspection included the collection of sixty-five (65) bulk samples accounting for fifty-four (54) homogeneous materials. ACM is defined as any material containing more than one percent (1%) of asbestos. The building consists of classrooms, offices, workshops, storage and mechanical areas. Based on the sample results, the following ACM were identified:

<u>ASBESTOS-CONTAINING MATERIALS</u> (Types and quantities that may be impacted by this project only)

- Brown, Black, Green, Tan and Red 9"x9" floor tile and associated black mastic (approximately 8500 square feet)
- Black 6" covebase and associated black mastic in room 301B (approximately 45 linear feet)
- Black sink coating in Rooms 201, 206, 207(2) & 302(2) (approximately 6 sinks)
- Black/brown material under wood floor in room 201. This material was sampled near a floor penetration and was a different consistency from the other vapor barriers found under other rooms with wood flooring. This material is assumed to be utilized at floor penetrations beneath wood flooring. Further investigation should be conducted to delineate the extent of this material. (Quantity unknown)
- Gray caulk around old louvers on roof top penthouses (approximately 150 linear feet)
- TSI – Brown pipe insulation (air cell type) and associated mud fittings*
- TSI – Pipe and mud fitting Insulation
- TSI – White and Gray Mud fitting on fiberglass pipe insulation*

- Tan sealant on the old ductwork seams in the attic spaces (approximately 120 square feet)

*Various types of pipe insulation and associated mud fittings were sampled in areas of the building where they were exposed. These samples were collected from different building systems (i.e. domestic water, heating, etc.) in different areas of the building. These systems are also located within inaccessible areas such as above plaster ceilings and inside walls and pipe chases. Therefore, quantities could not be estimated except where exposed. However, it is certain that these asbestos-containing materials are present in significant quantities within these hidden spaces.

NON-ASBESTOS-CONTAINING MATERIALS

The following materials were determined not to be ACM:

- Plaster - Walls and Ceilings (only one layer)
- 12" x 12" ceiling tile and associated brown mastic dots
- 12" x 12" spline ceiling tile
- Black mastic/vapor barrier and tar paper under wood flooring
- Black 4" covebase and associated brown mastic (on cabinets only)
- 12" x 12" gray/tan speckled floor tile with yellow mastic
- Tan carpet mastic
- Cloth wrap on mud pipe insulation and fiberglass pipe insulation
- Roof Vapor barrier
- Built-up roof material – Low West Roof
- Black tar on parapet wall – Low West Roof
- Gray caulk on penetrations and some flashing
- Tar paper under wood floor

OTHER SUSPECT ASBESTOS-CONTAINING MATERIALS

Based on past experience and the history of the use of asbestos, some suspect materials may be present and not able to be tested at the time of our visit. These materials would require extensive destructive methods to access the suspect material. The following items should investigated prior to renovations:

- Waterproofing material beneath ceramic floor base material
- Ceramic tile floor mortar base
- Vapor barrier material beneath concrete floor slabs

The samples collected and the conditions noted reflect the areas that Watts personnel observed. In the event other suspect materials are identified during the construction period, Watts recommends these materials are sampled and analyzed for asbestos content.

Floor-plan drawings, chain-of-custody forms, laboratory results, laboratory accreditation, and consultant's certifications and license are also included in the report.

LEAD-BASED PAINT

METHODOLOGY

Painted building components were grouped by testing combinations. A testing combination is characterized by location, component type, substrate, and visible color. Refer to section 3.1 for a complete listing of all XRF readings that were taken for this project.

Each XRF reading is identified by the location of the sample, the component analyzed, the substrate and the paint color of the visible paint film. Side A of a functional space is the North side. The remaining sides are delineated rotating clockwise as Sides B, C & D.

The LBP survey was performed using the Department of Housing and Urban Development (HUD) protocol. Certain aspects of the HUD guidelines are typically applied to public and commercial buildings, most commonly the levels used to establish LBP. HUD defines LBP, when analyzed by a portable XRF, as paint that contains lead at 1.0 milligram per square centimeter or greater. When paint chips are analyzed by Atomic Absorption Spectroscopy (AAS), HUD defines LBP as paint containing 0.5 percent or greater (>0.5%) lead by weight.

XRF CALIBRATION

In order to field verify the calibration and accuracy of the XRF equipment, calibration checks are made both by the equipment itself and by the operator. The XRF equipment will check its calibration by taking a reading from its own tungsten shutter. If the XRF finds a discrepancy in comparing the reading with the manufacturer's calibrated reading for tungsten, the XRF will display a notice to the operator that the equipment is out of calibration. If no discrepancy is found in the XRF self-calibration check, the operator checks the calibration of the XRF against National Institute of Standards and Technology (NIST) lead samples that are provided by the manufacturer. Both the XRF self-calibration check and the operator's calibration checks will appear in the table of XRF readings in section 2.0, as Shutter Cal 1 and Calibration respectively. The operator's calibration checks are taken at the beginning and the end of the survey and these limits are 0.9 to 1.3 mg/cm^2. All calibration readings were within the acceptable limits.

FINDINGS

Representative XRF readings were taken on select building components throughout the project limits. In general, the following painted building components were tested:

- Plaster Walls and Ceilings
- Drywall Walls and Ceilings
- Electrical Panels
- Exhaust Hoods
- Chalkboard Frames
- Radiators

- Wood Baseboards
- Ceramic and Glazed Wall and Floor Tile
- Stairway Components
- Lockers
- Wood Windows
- HVAC System Components
- Bathroom Stall Doors and Partitions
- Pipes
- Dust Collector
- Air Compressors

The following building components were identified to be covered with lead-based paint as a result of the XRF testing:

- Plaster Walls and Ceilings
- Metal door jambs and old doors
- Metal Stair way components including risers, stringers, newel posts, railing, balusters
- Structural Steel
- Metal Vent Grates
- Metal HVAC Units - Unit Ventilators
- Red Fire Hose Cabinets
- Old Wood Windows and Doors

DISCLAIMER

This report is based primarily on the results of visual site observations and a general survey of the conditions within Park Hall on the campus of the State of New York at in Oswego, New York. A representative lead-based paint survey of the interior and exterior building components was performed. Watts did not perform a comprehensive inspection (room by room) of all interior and exterior building components. Representative XRF readings were taken from each distinct type of building component associated with the building in order to be able to determine if those components were covered with lead-based paint.

The lead-based paint survey was performed by Watts on September 10 and 11, 2007.

Mark Eric McNabb
Lead Risk Assessor

Signature

NY-R-446-1

Certificate Numbers

Address and Phone Number: Park Hall
State University of New York at Oswego
Oswego, New York

Date of Construction:

2.0 ASBESTOS-CONTAINING MATERIALS SUMMARY

2.0 ASBESTOS-CONTAINING MATERIAL SUMMARY

This section includes a Homogeneous Materials List and floor-plan drawings. The Homogeneous Materials List includes the homogeneous materials identified, their corresponding sample numbers and whether or not they are ACM.

Bulk sample locations are indicated on the floor-plan drawing.

Results
NA – Not Analyzed
NAD – No Asbestos Detected
ND – None Detected
N/A – Not Applicable
NON-ACM – Final residue of gravimetric reduction <1% of original subsample.

Type
M – Miscellaneous
S - Surfacing
T - Thermal

ACM
Y – Yes
N – No

Abbreviations
FT – Floor Tile
TSI – Thermal System Insulation

HOMOGENEOUS MATERIALS LIST PARK HALL STATE UNIVERSITY OF NEW YORK AT OSWEGO							
HM #	Material Description	Sample Location	Type	Sample Number	Results (% Asbestos)		ACM Y/N
					PLM	TEM	
1	9" x 9" Brown Floor Tile	Room 301	M	Y7146-P-01	4.1% Chrysotile	NA	Y
2	Black Floor Tile Mastic	Room 301	M	Y7146-P-02	NAD	<1% Chrysotile	N
3	12" x 12" Ceiling Tile	Room 301	M	Y7146-P-03	ND	NA	N
4	Mastic Dots (Brown) on Ceiling Tile	Room 301	M	Y7146-P-04	NAD	NAD	N
5	Black Sink Coating	Room 301	M	Y7146-P-05	4.1% Chrysotile	NA	Y
6	Gray Wall Plaster – only one layer	Room 301	S	Y7146-P-06	ND	NA	N
7	Gray Ceiling Plaster – only one layer	Room 301	S	Y7146-P-07	ND	NA	N
8	9" x 9" Black Floor Tile	Room 301A	M	Y7146-P-08	9.7% Chrysotile	NA	Y
9	9" x 9" Green Floor Tile	Room 301A	M	Y7146-P-09	10.9% Chrysotile	NA	Y
10	Black Mastic on 9"x9" Green & Black Floor Tile	Room 301A	M	Y7146-P-10	NAD	13.2% Chrysotile	Y
11	9" x 9" Tan Floor Tile	Room 301B	M	Y7146-P-11	16.7% Chrysotile	NA	Y
12	9" x 9" Brown Floor Tile	Room 301B	M	Y7146-P-12	18.5% Chrysotile	NA	Y
13	Black Mastic on 9"x9" Tan and Brown Floor Tile	Room 301B	M	Y7146-P-13	NAD	NAD	N
14	Black 6" Covebase	Room 301B	M	Y7146-P-14	2.3% Chrysotile	NA	Y
15	Black Covebase Mastic	Room 301B	M	Y7146-P-15	4.2% Chrysotile	NA	Y
16	Black Mastic/Vapor Barrier under Wood Floor	Room 302	M	Y7146-P-16	NAD	NAD	N
17	Black 4" Covebase – on cabinets only	Room 302	M	Y7146-P-17	NAD	NAD	N
18	Brown Covebase Mastic – on cabinets only	Room 302	M	Y7146-P-18	NAD	NAD	N
19	Black Sink Coating	Room 302	M	Y7146-P-19	2.8% Chrysotile	NA	Y
20	12" x 12" Gray/Tan Speckled Floor Tile with Yellow Mastic	Room 303H	M	Y7146-P-20	NAD	NAD	N

HOMOGENEOUS MATERIALS LIST PARK HALL STATE UNIVERSITY OF NEW YORK AT OSWEGO							
HM #	Material Description	Sample Location	Type	Sample Number	Results (% Asbestos)		ACM Y/N
					PLM	TEM	
21	TSI- Pipe Insulation on Heat Lines – Air Cell Type – Brown	Room 206 A	T	Y7146-P-21	29.0% Chrysotile	NA	Y
22	TSI- Mud Fitting Insulation on Hard Insulated Pipe	Room 105 Room 105 Room 105 Stairs – M5	T	Y7146-P-22 Y7146-P-23 Y7146-P-24	50.0% Chrysotile 50.0% Chrysotile 19.0% Chrysotile	NA NA NA	Y
23	TSI – White Mud Pipe Insulation	Room 105 Room 105 Room 105 Stairs – M5	T	Y7146-P-25 Y7146-P-26 Y7146-P-27	0.75% Chrysotile 29.0% Amosite 6.7% Chrysotile 20.0% Amosite 0.50% Chrysotile 33.0% Amosite	NA NA NA	Y
24	Cloth Wrap on Mud Pipe Insulation	Room 105 - South	M	Y7146-P-28	ND	NA	N
25	TSI- Mud Fitting Insulation on Fiberglass Insulated Pipe	Room 105 – West at Top of Stairs Room B5 Room B10	T	Y7146-P-29 Y7146-P-41 Y7146-P-42	5.6% Chrysotile 0.25% Chrysotile 1.70% Amosite 0.25% Amosite	NA NA NA	Y
26	Cloth Wrap on Fiberglass Pipe Insulation	Room 105 – West at Top of Stairs	M	Y7146-P-30	ND	NA	N
27	Plaster – Gray – only one layer	Room 105	S	Y7146-P-31	ND	NA	N
28	Black Tar on Parapet Wall	West Low Roof under EPPM	M	Y7146-P-32	NON-ACM	NA	N
29	Vapor Barrier	West Low Roof under EPPM	M	Y7146-P-33	NON-ACM	NA	N
30	Built-up Roof Material	West Low Roof over Tech Car Lift	M	Y7146-P-34	NON-ACM	NA	N
31	Gray Caulk around Old Louver	High Roof – North End	M	Y7146-P-35	4.8% Chrysotile	NA	Y
32	Gray Caulk on Penetrations/ Some Flashing	High Roof – Middle	M	Y7146-P-36	NON-ACM	NAD	N
33	Plaster – Single Layer	Room 108A	S	Y7146-P-37	ND	NA	N
34	Tar Paper under Wood Floor and Between Layers	Room 101A Room 206D	M	Y7146-P-38 Y7146-P-65	NAD NAD	NAD NAD	N
35	TSI – Pipe Insulation – Air Cell Type –Brown	Room M2A	T	Y7146-P-39	2.9% Chrysotile	NA	Y

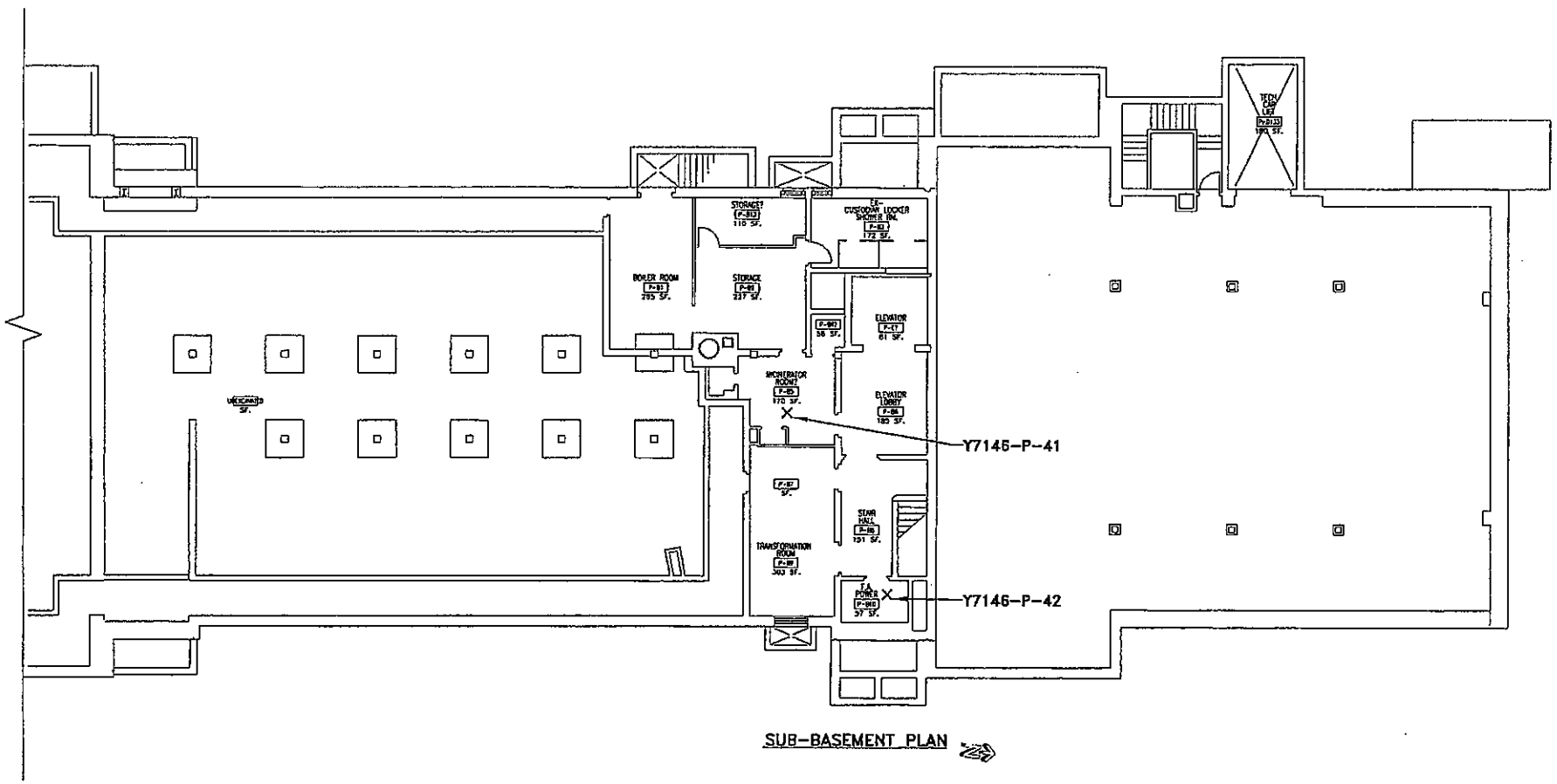
HOMOGENEOUS MATERIALS LIST PARK HALL STATE UNIVERSITY OF NEW YORK AT OSWEGO							
HM #	Material Description	Sample Location	Type	Sample Number	Results (% Asbestos)		ACM Y/N
					PLM	TEM	
36	TSI – Gray Mud Fitting Insulation on Air Cell Type Insulated Pipe	Room M2A	T	Y7146-P-40	12.0% Chrysotile	NA	Y
37	12" x 12" Spline Ceiling Tile	Corridor 112	M	Y7146-P-43	ND	NA	N
38	Plaster – Gray – One Layer – Ceiling	Stair 220	S	Y7146-P-44	ND	NA	N
39	Black/Brown Material under Wood Floor	Room 201	M	Y7146-P-45	1.4% Chrysotile	NA	Y
40	Red 9" x 9" Floor Tile	Room 209C	M	Y7146-P-46	2.0% Chrysotile	NA	Y
41	Tan Carpet Mastic	Room 209C	M	Y7146-P-47	NAD	NAD	N
42	Old Gray Perimeter Door Caulk	North End on Large Old Doors	M	Y7146-P-48	5.4% Chrysotile	NA	Y
43	Brown Perimeter Window Caulk	Brown Aluminum Windows East Brown Aluminum Windows West	M	Y7146-P-49 Y7146-P-50	NAD NAD	NAD NAD	N
44	Black Window Glazing Compound	Brown Aluminum Windows East Brown Aluminum Windows West	M	Y7146-P-51 Y7146-P-52	NAD NAD	NAD NAD	N
45	Black Tar At Base of Exterior Brick at Foundation Seam	North West	M	Y7146-P-53 Y7146-P-54	NON-ACM NON-ACM	NA NA	N
46	Tan Vibration Dampener	Attic – South/Middle Large Round Fan	M	Y7146-P-55	ND	NA	N
47	Gray Vibration Dampener	Attic North End	M	Y7146-P-56	ND	NA	N
48	Tan Duct Sealant – Old Ducts	Attic South	M	Y7146-P-57	7.7% Chrysotile	NA	Y
49	Gray Duct Sealant New Ducts	Attic North	M	Y7146-P-58	NAD	NAD	N
50	Cloth under Ceramic Tile Mortar Base	201	M	Y7146-P-59	ND	NA	N
51	Clothwrap on Fiberglass Pipe Insulation	201	M	Y7146-P-60	ND	NA	N
52	Glazing Compound – Door Glass	204	M	Y7146-P-61	NAD	NAD	N

HOMOGENEOUS MATERIALS LIST PARK HALL STATE UNIVERSITY OF NEW YORK AT OSWEGO							
HM #	Material Description	Sample Location	Type	Sample Number	Results (% Asbestos)		ACM Y/N
					PLM	TEM	
53	Window Glazing Compound	Stairwell 219 on Old Metal Arch Top Windows	M	Y7146-P-62	NAD	NAD	N
54	Black Vapor Barrier under Wood Floor on Concrete	108 Room 206D	M	Y7146-P-63 Y7146-P-64	NAD NON-ACM	NAD NA	N

Asbestos-containing Materials Room List

PARK HALL ASBESTOS CONTAINING MATERIAL BY ROOM				
ROOM	ASBESTOS MATERIAL	QUANTITY	CONDITION	Friable/Non-Friable
	SUB-BASMENT			
B8	Pipe and mud fitting insulation	38 lf	Good	Friable
B9	Pipe and mud fitting insulation	20 lf	Good	Friable
B10	Pipe and mud fitting insulation	8 lf	Good	Friable
	BASEMENT			
B11/105	Pipe and mud fitting insulation	330 lf	Good	Friable
	FIRST FLOOR			
Throughout	Pipe and mud fitting insulation in walls, chase and above ceilings	Unknown	Unknown	Friable
103	9"x9" Floor Tile and associated Mastic	429 sf	Good	Non-Friable
104	9"x9" Floor Tile and associated Mastic	890 sf	Good	Non-Friable
105	Pipe and mud fitting insulation	330 lf	Good	Friable
105D	Pipe and mud fitting insulation	110 lf	Good	Friable
108A	9"x9" Floor Tile and associated Mastic	127 sf	Good	Non-Friable
108B	9"x9" Floor Tile and associated Mastic	128 sf	Good	Non-Friable
M1	9"x9" Floor Tile and associated Mastic	165 sf	Good	Non-Friable
M2	9"x9" Floor Tile and associated Mastic	165 sf	Good	Non-Friable
M2A	9"x9" Floor Tile and associated Mastic	207 sf	Good	Non-Friable
M3	9"x9" Floor Tile and associated Mastic	164 sf	Good	Non-Friable
M4	9"x9" Floor Tile and associated Mastic	185 sf	Good	Non-Friable
	SECOND FLOOR			
Throughout	Pipe and mud fitting insulation in walls, chase and above ceilings	Unknown	Unknown	Friable
201	Black/Brown material under Wood Flooring at penetrations	Unknown	Good	Non-Friable
	Black Sink Coating	1 Sink	Good	Non-Friable
201B	9"x9" Floor Tile and associated Mastic	110 sf	Good	Non-Friable
205	9"x9" Floor Tile and associated Mastic	215 sf	Good	Non-Friable
205?	9"x9" Floor Tile and associated Mastic	153 sf	Good	Non-Friable
206	Black Sink Coating	1 Sink	Good	Non-Friable
207	9"x9" Floor Tile and associated Mastic	1696 sf	Good	Non-Friable
	Black Sink Coating	2 Sinks	Good	Non-Friable
207?	9"x9" Floor Tile and associated Mastic	79 sf	Good	Non-Friable
207A	9"x9" Floor Tile and associated Mastic	174 sf	Good	Non-Friable
207B	9"x9" Floor Tile and associated Mastic	102 sf	Good	Non-Friable
207C	9"x9" Floor Tile and associated Mastic	77 sf	Good	Non-Friable
209	9"x9" Floor Tile and associated Mastic	454 sf	Good	Non-Friable
209A	9"x9" Floor Tile and associated Mastic	262 sf	Good	Non-Friable
209B	9"x9" Floor Tile and associated Mastic	176 sf	Good	Non-Friable
209C	9"x9" Floor Tile and associated Mastic	237 sf	Good	Non-Friable
209D	9"x9" Floor Tile and associated Mastic	115 sf	Good	Non-Friable
209F	9"x9" Floor Tile and associated Mastic	454 sf	Good	Non-Friable
216	9"x9" Floor Tile and associated Mastic	154 sf	Good	Non-Friable
	THIRD FLOOR			
Throughout	Pipe and mud fitting insulation in walls, chase and above ceilings	Unknown	Unknown	Friable
301	9"x9" Floor Tile and associated Mastic	2,301 sf	Good	Non-Friable
301A	9"x9" Floor Tile and associated Mastic	142 sf	Good	Non-Friable
301B	9"x9" Floor Tile and associated Mastic	123 sf	Good	Non-Friable
	6" Black Covebase and associated Black Mastic	23 sf	Good	Non-Friable
302	Black Sink Coating	2 Sinks	Good	Non-Friable
302B	9"x9" Floor Tile and associated Mastic	100 sf	Good	Non-Friable
302C	9"x9" Floor Tile and associated Mastic	99 sf	Good	Non-Friable
302D	9"x9" Floor Tile and associated Mastic	99 sf	Good	Non-Friable
303A	9"x9" Floor Tile and associated Mastic	100 sf	Good	Non-Friable
303B	9"x9" Floor Tile and associated Mastic	107	Good	Non-Friable
304A	9"x9" Floor Tile and associated Mastic	128 sf	Good	Non-Friable
307A	9"x9" Floor Tile and associated Mastic	116 sf	Good	Non-Friable
307B	9"x9" Floor Tile and associated Mastic	115 sf	Good	Non-Friable

PARK HALL ASBESTOS CONTAINING MATERIAL BY ROOM				
ROOM	ASBESTOS MATERIAL	QUANTITY	CONDITION	Friable/Non-Friable
ATTIC				
	Tan mastic on old ductwork seams	120 sf	Good	Non-Friable
	Pipe and mud fitting insulation on roof drain lines	100 lf	Good	Friable
ROOF				
Roof Vents	Louver Caulk	16 louvers 150 linear feet	Fair	Non-Friable



SAMPLES WERE COLLECTED ON SEPTEMBER 13 AND OCTOBER 29, 2007.

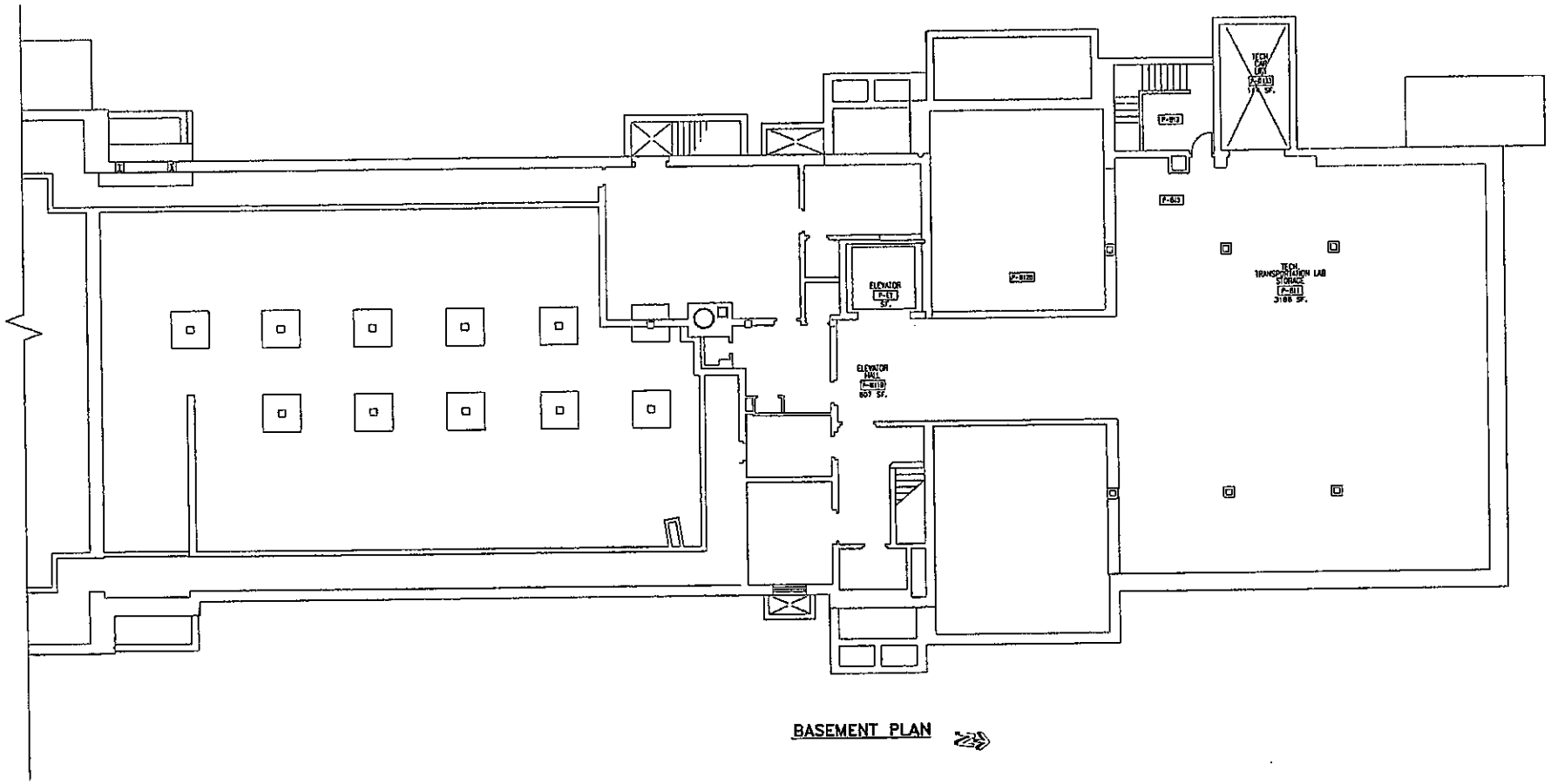
X INDICATES APPROXIMATE BULK SAMPLE LOCATION

WATTS ARCHITECTURE & ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226
(716) 836-1540 T (716) 836-2402 Fax

ASBESTOS BULK SAMPLE LOCATIONS
SUB-BASEMENT

SUNY OSWEGO
PARK HALL
OSWEGO, NEW YORK

NOT TO SCALE | NOVEMBER 2007



BASEMENT PLAN

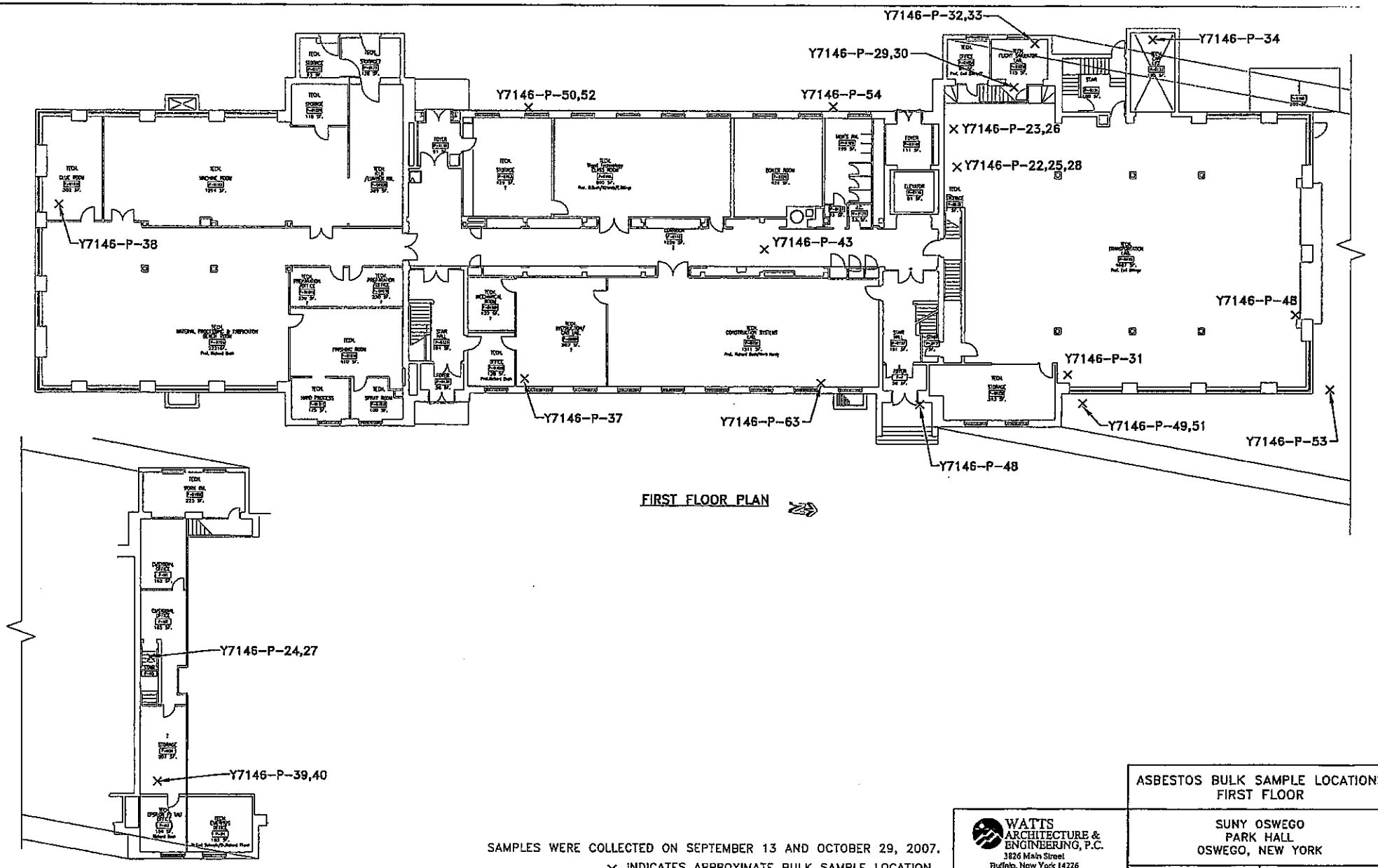
NO SAMPLES WERE COLLECTED ON THIS FLOOR.

WATTS ARCHITECTURE & ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226
(716) 836-1540 T (716) 836-2402 Fax

ASBESTOS BULK SAMPLE LOCATIONS
BASEMENT

SUNY OSWEGO
PARK HALL
OSWEGO, NEW YORK

NOT TO SCALE | NOVEMBER 2007



SAMPLES WERE COLLECTED ON SEPTEMBER 13 AND OCTOBER 29, 2007.

× INDICATES APPROXIMATE BULK SAMPLE LOCATION

WATTS ARCHITECTURE & ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226
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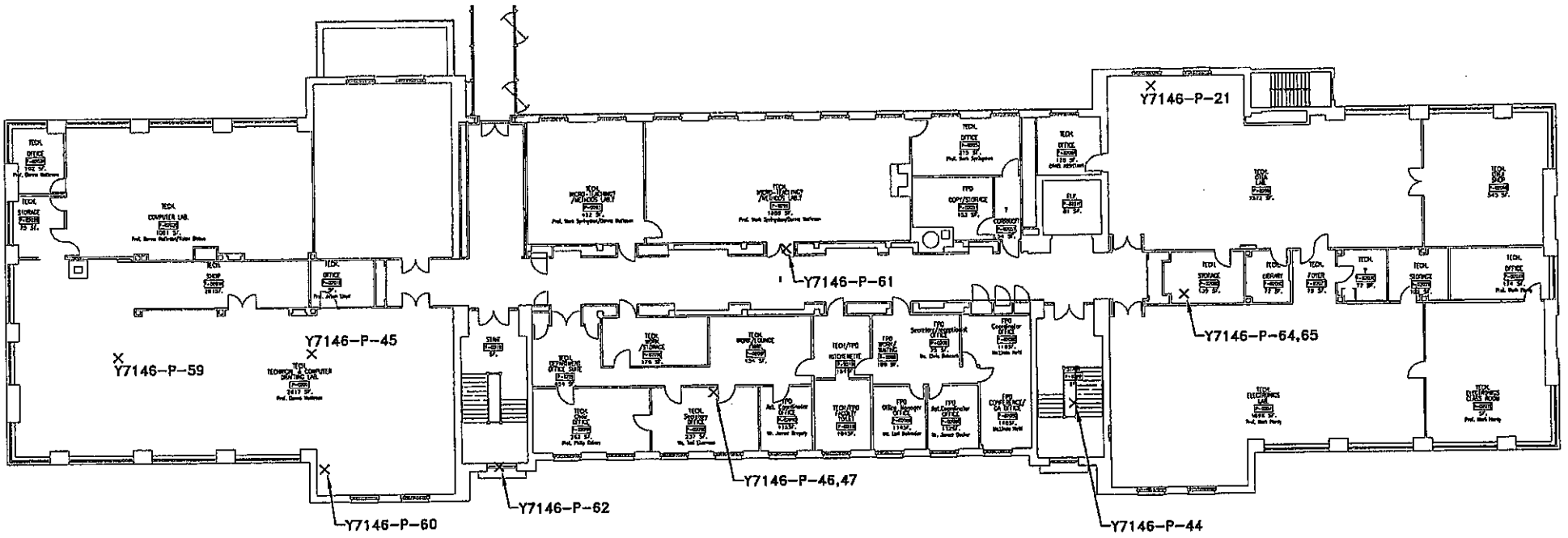
ASBESTOS BULK SAMPLE LOCATIONS
FIRST FLOOR

SUNY OSWEGO
PARK HALL
OSWEGO, NEW YORK

NOT TO SCALE | NOVEMBER 2007



SECOND FLOOR PLAN

SAMPLES WERE COLLECTED ON SEPTEMBER 13 AND OCTOBER 29, 2007.
X INDICATES APPROXIMATE BULK SAMPLE LOCATION

WATTS ARCHITECTURE & ENGINEERING, P.C.
3826 Main Street
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ASBESTOS BULK SAMPLE LOCATIONS
SECOND FLOOR

SUNY OSWEGO
PARK HALL
OSWEGO, NEW YORK

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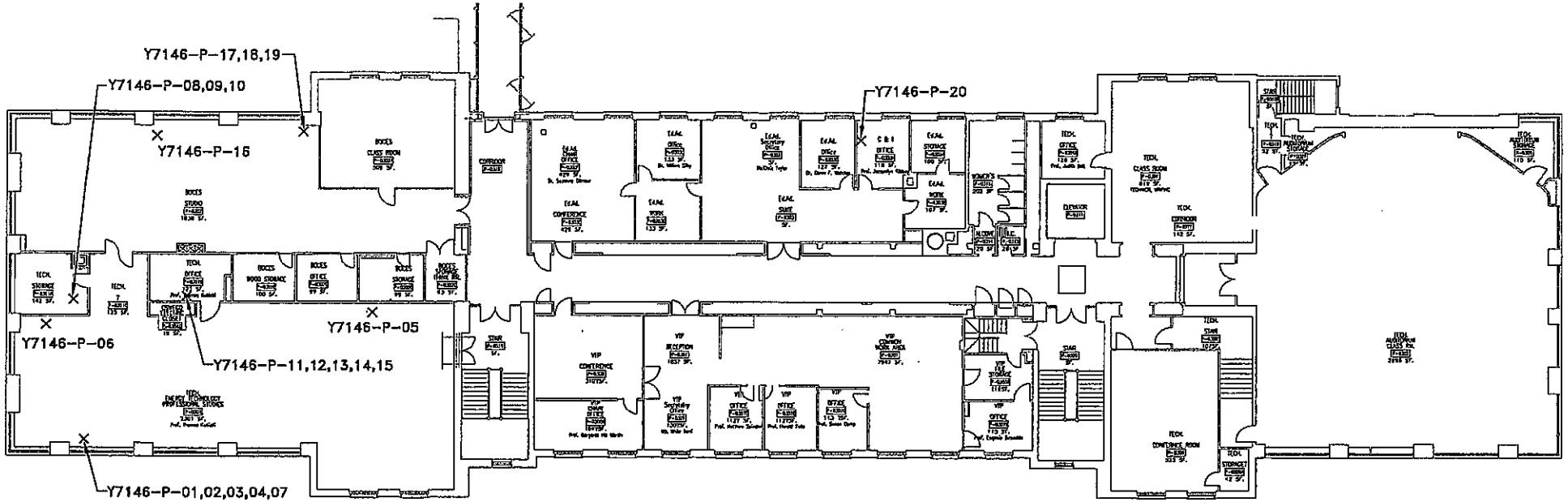

THIRD FLOOR PLAN

SAMPLES WERE COLLECTED ON SEPTEMBER 13 AND OCTOBER 29, 2007.

× INDICATES APPROXIMATE BULK SAMPLE LOCATION

WATTS ARCHITECTURE & ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226
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ASBESTOS BULK SAMPLE LOCATIONS
THIRD FLOOR

SUNY OSWEGO
PARK HALL
OSWEGO, NEW YORK

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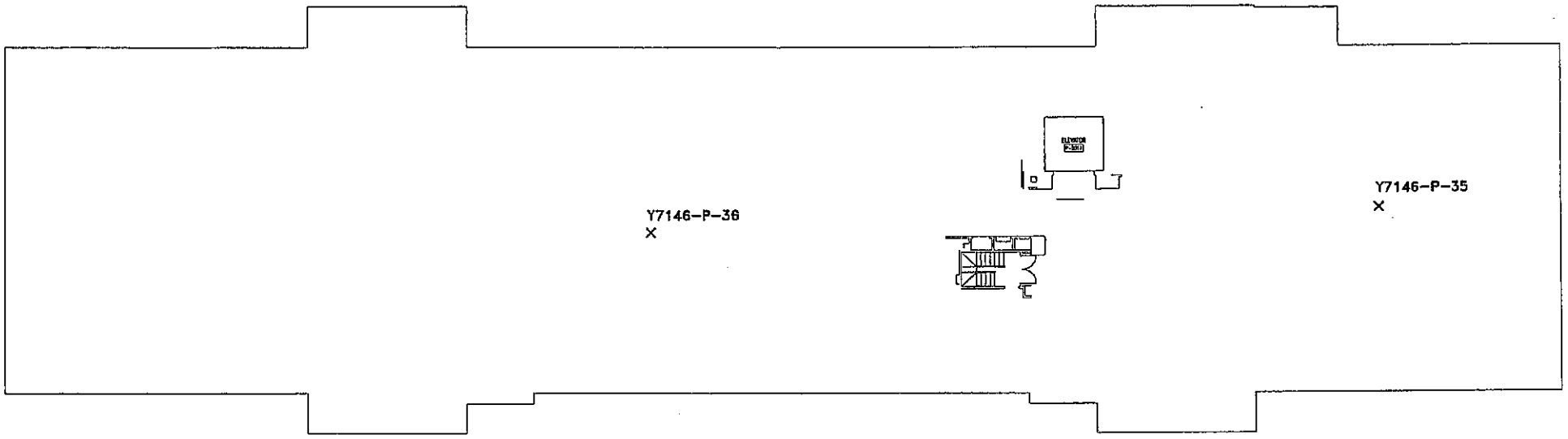

ROOF PLAN

SAMPLES **Y7146-P-55-58** WERE COLLECTED IN ATTIC SPACES.

SAMPLES WERE COLLECTED ON SEPTEMBER 13 AND OCTOBER 29, 2007.

× INDICATES APPROXIMATE BULK SAMPLE LOCATION

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ASBESTOS BULK SAMPLE LOCATIONS
ROOF FLOOR

SUNY OSWEGO
PARK HALL
OSWEGO, NEW YORK

NOT TO SCALE | NOVEMBER 2007

3.0 LABORATORY RESULTS

3.1 POLARIZED LIGHT MICROSCOPY (PLM) METHOD 198.1

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: **Eric McNabb**
Watts Architecture & Engineering, P.C.
3826 Main Street
Buffalo, NY 14226

Fax: (716) 836-2402 Phone: (716) 836-1540
Project: Y7146 Park SUNY Oswego

Customer ID: WATT50
Customer PO:
Received: 09/14/07 9:55 AM
EMSL Order: 140705032

EMSL Proj:
Analysis Date: 9/18/2007
Report Date: 9/18/2007

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
Y7146-P-03 *140705032-0001*	301	Gray Fibrous Homogeneous	90.00% Glass	10.00% Non-fibrous (other)	None Detected
Y7146-P-06 *140705032-0002*	301	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
Y7146-P-07 *140705032-0003*	301	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
Y7146-P-21 *140705032-0004*	206A	Gray Fibrous Homogeneous	50.00% Cellulose	21.00% Non-fibrous (other)	29.00% Chrysotile
Y7146-P-22 *140705032-0005*	105	Gray Fibrous Homogeneous		50.00% Non-fibrous (other)	50.00% Chrysotile
Y7146-P-23 *140705032-0006*	105	Gray Fibrous Homogeneous		50.00% Non-fibrous (other)	50.00% Chrysotile
Y7146-P-24 *140705032-0007*	105 stairs MS	Gray Fibrous Homogeneous		81.00% Non-fibrous (other)	19.00% Chrysotile
Y7146-P-25 *140705032-0008*	105	White Fibrous Homogeneous		70.25% Non-fibrous (other)	29.00% Amosite 0.75% Chrysotile
Y7146-P-26 *140705032-0009*	105	White Fibrous Homogeneous		73.30% Non-fibrous (other)	20.00% Amosite 6.70% Chrysotile
Y7146-P-27 *140705032-0010*	105 stairs MS	White Fibrous Homogeneous		66.50% Non-fibrous (other)	33.00% Amosite 0.50% Chrysotile

Analyst(s)
Brian Walczak (19)
Tom Hanes (2)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

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3826 Main Street
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Project: **Y7146 Park SUNY Oswego**

Customer ID: WATT50
Customer PO:
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Analysis Date: 9/18/2007
Report Date: 9/18/2007

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
Y7146-P-28 *140705032-0011*	105 South	Tan Fibrous Homogeneous	75.00% Cellulose	25.00% Non-fibrous (other)	None Detected
Y7146-P-29 *140705032-0012*	105 West at top of stairs	Tan Fibrous Homogeneous	30.00% Glass	64.40% Non-fibrous (other)	5.60% Chrysotile
Y7146-P-30 *140705032-0013*	105 West at top of stairs	Tan Fibrous Homogeneous	70.00% Cellulose	30.00% Non-fibrous (other)	None Detected
Y7146-P-31 *140705032-0014*	105	Tan Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
Y7146-P-37 *140705032-0015*	108A	Tan Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
Y7146-P-39 *140705032-0016*	M2A	Brown Fibrous Homogeneous	70.00% Cellulose	27.10% Non-fibrous (other)	2.90% Chrysotile
Y7146-P-40 *140705032-0017*	M2A	Gray Fibrous Homogeneous		88.00% Non-fibrous (other)	12.00% Chrysotile
Y7146-P-41 *140705032-0018*	B5	Gray Fibrous Homogeneous		98.05% Non-fibrous (other)	1.70% Amosite 0.25% Chrysotile
Y7146-P-42 *140705032-0019*	B10	Gray Fibrous Homogeneous		99.75% Non-fibrous (other)	0.25% Amosite
Y7146-P-43 *140705032-0020*	corridor 112	Gray Fibrous Homogeneous	90.00% Glass	10.00% Non-fibrous (other)	None Detected

Analyst(s)

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Tom Hanes (2)

Rhonda McGee

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or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Unless otherwise noted, the results in this report have not been blank corrected.Samples received in good condition unless otherwise noted.

Analysis performed by EMSL Buffalo (NVLAP #200056-0), NY ELAP #11606

PLMPointCount-1

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Customer ID: WATT50
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EMSL Proj:
Analysis Date: 9/18/2007
Report Date: 9/18/2007

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
Y7146-P-44 *140705032-0021*	stair 220	Tan Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected

Analyst(s)

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Analysis Date: 11/8/2007
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Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

			Non-Asbestos		Asbestos
Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
Y7146-P-55 *140705907-0001*	attic south/middle large round fan	Brown Fibrous Homogeneous	95.00% Cellulose	5.00% Non-fibrous (other)	**None Detected**
Y7146-P-56 *140705907-0002*	attic north end	Gray Fibrous Homogeneous	90.00% Cellulose	10.00% Non-fibrous (other)	**None Detected**
Y7146-P-59 *140705907-0003*	201	Tan Fibrous Homogeneous	85.00% Cellulose	15.00% Non-fibrous (other)	**None Detected**
Y7146-P-60 *140705907-0004*	201	Gray Fibrous Homogeneous	90.00% Glass	10.00% Non-fibrous (other)	**None Detected**

Analyst(s)
Brian Walczak (4)

Rhonda McGee
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or other approved signatory

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3.2 POLARIZED LIGHT MICROSCOPY (PLM) NOB METHOD 198.6

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Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
Y7146-P-01 *140705032-0022*	9"x9" brown FT	Brown	95.9	None	4.1 Chrysotile 4.1 **Total All Types**
Y7146-P-02 *140705032-0023*	black FT mastic	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-04 *140705032-0024*	mastic dots	Brown	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-05 *140705032-0025*	black sink coating	Black	95.9	None	4.1 Chrysotile 4.1 **Total All Types**
Y7146-P-08 *140705032-0026*	9"x9" black FT	Black	90.3	None	9.7 Chrysotile 9.7 **Total All Types**
Y7146-P-09 *140705032-0027*	9"x9" green FT	Green	89.1	None	10.9 Chrysotile 10.9 **Total All Types**
Y7146-P-10 *140705032-0028*	black mastic on 9" green & black FT	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-11 *140705032-0029*	9"x9" tan FT	Tan	83.3	None	16.7 Chrysotile 16.7 **Total All Types**
Y7146-P-12 *140705032-0030*	9"x9" borwn Ft	Brown	81.5	None	18.5 Chrysotile 18.5 **Total All Types**
Y7146-P-13 *140705032-0031*	black mastic on 9" tan & brown FT	Black	100.0	None	Inconclusive: No Asbestos Detected

Analyst(s)
Tom Hanes (28)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted.EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except infull, without written approval by EMSL. The above test report relates onlyto the items tested. EMSL bears no responsibility for sample collectionactivities or analytical method limitations. Unless otherwise noted, the results in this report have not been blank corrected.Samples received in good condition unless otherwise noted.

ACCREDITATIONS: NVLAP #200056-0 and NY STATE ELAP #11606

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Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
Y7146-P-14 *140705032-0032*	black 6" covebase	Black	97.7	None	2.3 Chrysotile 2.3 **Total All Types**
Y7146-P-15 *140705032-0033*	black covebase mastic	Black	95.8	None	4.2 Chrysotile 4.2 **Total All Types**
Y7146-P-16 *140705032-0034*	black mastic/vapor barrier	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-17 *140705032-0035*	black 4" covebase	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-18 *140705032-0036*	brown covebase mastic	Brown	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-19 *140705032-0037*	black sink coating	Black	97.2	None	2.8 Chrysotile 2.8 **Total All Types**
Y7146-P-20 *140705032-0038*	12"x12" gray/tan FT	Tan	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-20 *140705032-0038A*	yellow mastic from 12"x12" gray/tan FT	Yellow	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-32 *140705032-0039*	black tar	Black			

Insufficient Residue
Final Residue <1% of original subsample, Non-ACM.

Analyst(s)
Tom Hanes (28)

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Rhonda McGee, Laboratory Manager
or other approved signatory

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Customer ID: WATT50
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EMSL Proj:
Analysis Date: 9/18/2007
Report Date: 9/18/2007

Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
Y7146-P-33 *140705032-0040*	vapor barrier	Black			
Insufficient Residue Final Residue <1% of original subsample, Non-ACM.					
Y7146-P-34 *140705032-0041*	builr-up roofing	Black			
Not Analyzed Final Residue <1% of original subsample, Non-ACM.					
Y7146-P-35 *140705032-0042*	gray caulk	Gray	95.2	None	4.8 Chrysotile 4.8 **Total All Types**
Y7146-P-36 *140705032-0043*	gray caulk	Gray	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-38 *140705032-0044*	tar paper	Brown	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-45 *140705032-0045*	black/brown material	Brown	98.6	None	1.4 Chrysotile 1.4 **Total All Types**
Y7146-P-46 *140705032-0046*	red 9x9 FT	Red	98.0	None	2.0 Chrysotile 2.0 **Total All Types**
Y7146-P-47 *140705032-0047*	tan carpet mastic	Tan	100.0	None	Inconclusive: No Asbestos Detected

Analyst(s)
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Rhonda McGee, Laboratory Manager
or other approved signatory

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Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
Y7146-P-48	old gray door caulk	Gray	94.6	None	5.4 Chrysotile
140705032-0048					5.4 **Total All Types**

Analyst(s)
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Customer ID: WATT50
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Report Date: 11/8/2007

Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
Y7146-P-49 *140705907-0005*	brown window caulk	Gray	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-50 *140705907-0006*	brown window caulk	Gray	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-51 *140705907-0007*	black window caulk	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-52 *140705907-0008*	black window caulk	Black	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-53 *140705907-0009*	black tar	Black			
Insufficient Residue Final Residue <1% of original subsample, Non-ACM.					
Y7146-P-54 *140705907-0010*	black tar	Black			
Insufficient Residue Final Residue <1% of original subsample, Non-ACM.					
Y7146-P-57 *140705907-0011*	duct sealant	Tan	92.3	None	7.7 Chrysotile 7.7 **Total All Types**
Y7146-P-58 *140705907-0012*	gray duct sealant	Gray	100.0	None	Inconclusive: No Asbestos Detected

Analyst(s)
Tom Hanes (13)

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Rhonda McGee, Laboratory Manager
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EMSL Order: 140705907

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Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
Y7146-P-61 *140705907-0013*	glazing compound	Gray	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-62 *140705907-0014*	window glazing compound	Beige	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-63 *140705907-0015*	black vapor barrier	Brown	100.0	None	Inconclusive: No Asbestos Detected
Y7146-P-64 *140705907-0016*	black vapor barrier	Black			
Insufficient Residue Final Residue <1% of original subsample, Non-ACM.					
Y7146-P-65 *140705907-0017*	tar paper	Brown	100.0	None	Inconclusive: No Asbestos Detected

Analyst(s)
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3.3 TRANSMISSION ELECTRON MICROSCOPY (TEM) METHOD 198.4

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Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
Y7146-P-02 *140705032-0023*	black FT mastic	Black	99.5	None	<1% Chrysotile	<1
Y7146-P-04 *140705032-0024*	mastic dots	Brown	100.0	None	No Asbestos Detected	
Y7146-P-10 *140705032-0028*	black mastic on 9" green & black FT	Black	86.8	None	13.2% Chrysotile	13.2
Y7146-P-13 *140705032-0031*	black mastic on 9" tan & brown FT	Black	100.0	None	No Asbestos Detected	
Y7146-P-16 *140705032-0034*	black mastic/vapor barrier	Black	100.0	None	No Asbestos Detected	
Y7146-P-17 *140705032-0035*	black 4" covebase	Black	100.0	None	No Asbestos Detected	
Y7146-P-18 *140705032-0036*	brown covebase mastic	Brown	100.0	None	No Asbestos Detected	
Y7146-P-20 *140705032-0038*	12"x12" gray/tan FT	Tan	100.0	None	No Asbestos Detected	
Y7146-P-20 *140705032-0038A*	yellow mastic from 12"x12" gray/tan FT	Yellow	100.0	None	No Asbestos Detected	
Y7146-P-36 *140705032-0043*	gray caulk	Gray	100.0	None	No Asbestos Detected	

Analyst(s)
Ken Najuch (12)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: **Eric McNabb**
Watts Architecture & Engineering, P.C.
3826 Main Street
Buffalo, NY 14226

Fax: (716) 836-2402 Phone: (716) 836-1540
Project: Y7146 Park SUNY Oswego

Customer ID: WATT50
Customer PO:
Received: 09/14/07 9:55 AM
EMSL Order: 140705032

EMSL Proj:
Analysis Date: 9/20/2007
Report Date: 9/20/2007

Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
Y7146-P-38 *140705032-0044*	tar paper	Brown	100.0	None	No Asbestos Detected	
Y7146-P-47 *140705032-0047*	tan carpet mastic	Tan	100.0	None	No Asbestos Detected	

Analyst(s)
Ken Najuch (12)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone: (716) 651-0030 Fax: (716) 651-0394 Email: buffalolab@emsl.com

Attn: **Eric McNabb**
Watts Architecture & Engineering, P.C.
3826 Main Street
Buffalo, NY 14226

Fax: (716) 836-2402 Phone: (716) 836-1540
Project: **Y7146 SUNY Oswego renovation of Park & Wilber Halls**

Customer ID: WATT50
Customer PO:
Received: 10/30/07 2:40 PM
EMSL Order: 140705907

EMSL Proj:
Analysis Date: 11/12/2007
Report Date: 11/12/2007

Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
Y7146-P-49 *140705907-0005*	brown window caulk	Gray	100.0	None	No Asbestos Detected	
Y7146-P-50 *140705907-0006*	brown window caulk	Gray	100.0	None	No Asbestos Detected	
Y7146-P-51 *140705907-0007*	black window caulk	Black	100.0	None	No Asbestos Detected	
Y7146-P-52 *140705907-0008*	black window caulk	Black	100.0	None	No Asbestos Detected	
Y7146-P-58 *140705907-0012*	gray duct sealant	Gray	100.0	None	No Asbestos Detected	
Y7146-P-61 *140705907-0013*	glazing compound	Gray	100.0	None	No Asbestos Detected	
Y7146-P-62 *140705907-0014*	window glazing compound	Beige	100.0	None	No Asbestos Detected	
Y7146-P-63 *140705907-0015*	black vapor barrier	Brown	100.0	None	No Asbestos Detected	
Y7146-P-65 *140705907-0017*	tar paper	Brown	100.0	None	No Asbestos Detected	

Analyst(s)
Ken Najuch (9)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

NY\TNOB-2

THIS IS THE LAST PAGE OF THE REPORT.

3.4 CHAIN-OF-CUSTODY FORMS

BULK SAMPLE CHAIN-OF-CUSTODY FORM

The purpose of the chain-of-custody form is to reduce the possibility of misidentifying individual samples, to help trace any samples that may be lost, and to provide a record certifying that the samples were delivered to and received by the analytical laboratory.

An important feature of this form is the signature section at the bottom, identifying all persons who handled the samples.

WATTS ARCHITECTURE & ENGINEERING, P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

1407050 32

Client: Ashley McGraw Architects
Project: SUNY Oswego - Renovation of Park and Wilber Halls
Building / Location: Park
Contact: Eric McNabb at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Watts Architecture & Engineering, P.C.
3826 Main Street, Buffalo, NY 14226

Date: 9/12/07
Watts Project No.: Y7146

Turnaround Requested:
Analysis Requested: PLM X TEM X SEE NOTE
TMH BM

___	3 Hr.	___	48 Hr.
___	6 Hr.	X	72 Hr.
___	12 Hr.	___	5 Day
___	24 Hr.	___	6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results PLM	TEM
Y7146-P-01	9"x9" Brown Floor tile	301		
Y7146-P-02	Black floortile mastic	301		
Y7146-P-03	12"x12" Ceiling tile	301		
Y7146-P-04	mastic Dots (Brown) on Ceiling tile	301		
Y7146-P-05	Black Sink Coating	301		
Y7146-P-06	Gray Wall Plaster - only one layer	301		
Y7146-P-07	Gray Ceiling Plaster - only one layer	301		
Y7146-P-08	9"x9" Black Floortile	301A		
Y7146-P-09	9"x9" Green Floor tile	301A		
Y7146-P-10	Black mastic on 9" Green & Black FT	301A		
Y7146-P-11	9"x9" Tan Floortile	301B		
Y7146-P-12	9"x9" Brown Floortile	301B		
Y7146-P-13	Black mastic on 9" Tan & Brown FT	301B		
Y7146-P-14	Black 6" Cove base	301B		

Sampled By: [signature] Date: 9-12-07 Received By: [signature] Date: 9/14/07 9:55a Courier

Relinquished By: [signature] Date: 9-14-07 Received By: ___ Date: ___

Comments: Analyze all samples by PLM. If NOBs are negative under PLM analyze by TEM also.

WATTS ARCHITECTURE & ENGINEERING, P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

1907050032 Page: 2 of 4

Client: Ashley McGraw Architects
Project: SUNY Oswego - Renovation of Park and Wilber Halls
Building / Location: Park
Contact: Eric McNabb at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Watts Architecture & Engineering, P.C.
3826 Main Street, Buffalo, NY 14226

Date: 9-12-07
Watts Project No.: Y7146

Turnaround Requested: ___ 3 Hr. ___ 48 Hr.
Analysis Requested: ___ 6 Hr. X 72 Hr.
PLM X TEM X ___ 12 Hr. ___ 5 Day
SEE NOTE ___ 24 Hr. ___ 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results PLM	TEM
Y7146-P-15	Black Covebase Mastic	301B		
Y7146-P-16	Black Mastic / Vapor barrier under wood floor	302		
Y7146-P-17	Black 4" Covebase - on Cabinets only	302		
Y7146-P-18	Brown Covebase Mastic " " "	302		
Y7146-P-19	Black Sink Coating	302		
Y7146-P-20	12"x12" Gray/Tan Speckled Floortile with yellow Mastic	303H		
Y7146-P-21	TSI-Pipe Insulation on Heat lines - Air Cell Type - Brown	206A		
Y7146-P-22	TSI-Pipe mud & fitting on Mud Pipe Lines	105		
Y7146-P-23	" " "	105		
Y7146-P-24	" " "	#105 Stairs - MS		
Y7146-P-25	TSI-white mud Pipe Insulation	105		
Y7146-P-26	" " "	105		
Y7146-P-27	" " "	105 Stairs - MS		
Y7146-P-28	cloth wrap on mud Pipe Insulation	105-South		

Sampled By: [signature] Date: 9-13-07 Received By: [signature] Date: 9/14/07 9:55a Courier
Relinquished By: [signature] Date: 9-14-07 Received By: ___ Date: ___

Comments: Analyze all samples by PLM. If NOBs are negative under PLM analyze by TEM also.

WATTS ARCHITECTURE & ENGINEERING, P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

140705032

Client: Ashley McGraw Architects
Project: SUNY Oswego - Renovation of Park and Wilber Halls
Building / Location: Park
Contact: Eric McNabb at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Watts Architecture & Engineering, P.C.
3826 Main Street, Buffalo, NY 14226

Date: 9-13-07
Watts Project No.: Y7146

Turnaround Requested: ___ 3 Hr. ___ 48 Hr.
Analysis Requested: ___ 6 Hr. X 72 Hr.
PLM X TEM X ___ 12 Hr. ___ 5 Day
SEE NOTE ___ 24 Hr. ___ 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results PLM	TEM
Y7146-P-29	TSI - mud fitting on fiberglass pipe insulation	105 - west at top of stairs		
Y7146-P-30	cloth wrap on fiberglass pipe insulation	105 - west at top of stairs		
Y7146-P-31	Plaster - Gray - only one layer	105		
Y7146-P-32	Black Tar on Parapet wall	west low Roof under EPDM		
Y7146-P-33	Vapor Barrier	" " "		
Y7146-P-34	Built-up Roof material	west low Roof over Tech Gar lft		
Y7146-P-35	Gray Caulk Around old louver	High Roof North End		
Y7146-P-36	Gray Caulk on Penetrations / some Flashing	High Roof - middle		
Y7146-P-37	Plaster - Single layer	108A		
Y7146-P-38	Tarpaper under wood floor	101A		
Y7146-P-39	TSI - Pipe Insulation - Air Cell type Brown	M2A		
Y7146-P-40	TSI - fitting gray on air cell type insulation	M2A		
Y7146-P-41	TSI - Mud fitting gray on fiberglass pipe ins	B5		
Y7146-P-42	" " " "	B10		

Sampled By: E Wall Date: 9-13-07 Received By: [illegible] Date: 9/14/07 9:55a courier
Relinquished By: E Wall Date: 9-14-07 Received By: ___ Date: ___

Comments: Analyze all samples by PLM. If NOBs are negative under PLM analyze by TEM also.

WATTS ARCHITECTURE & ENGINEERING, P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY 140705032

Client: Ashley McGraw Architects
Project: SUNY Oswego - Renovation of Park and Wilber Halls
Building / Location: Park
Contact: Eric McNabb at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Watts Architecture & Engineering, P.C.
3826 Main Street, Buffalo, NY 14226

Date: 9-13-07
Watts Project No.: Y7146

Turnaround Requested:
Analysis Requested: PLM X TEM X SEE NOTE

3 Hr.	48 Hr.
6 Hr.	X 72 Hr.
12 Hr.	5 Day
24 Hr.	6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results PLM	TEM
Y7146-P-43	10" x 10" Spline Ceiling Tile	Corridor 112		
Y7146-P-44	plaster - Gray - one layer - Ceiling	Stair 220		
Y7146-P-45	Black/Brown material under Wood Floor	201		
Y7146-P-46	Red 9x9 Floor Tile	209C		
Y7146-P-47	Tan Carpet Mastic	209C		
Y7146-P-48	old Gray Perimeter Door Caulk	North End on large old doors		
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				

Sampled By: [signature] Date: 9-13-07 Received By: [signature] Date: 9/14/07 9:55a COURIER
Relinquished By: [signature] Date: 9-14-07 Received By: Date:

Comments: Analyze all samples by PLM. If NOBs are negative under PLM analyze by TEM also.

140 705907

WATTS ARCHITECTURE & ENGINEERING, P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Client: Ashley McGraw Architects
Project: SUNY Oswego - Renovation of Park and Wilber Halls
Building / Location: Park Hall
Contact: Eric McNabb at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Watts Architecture & Engineering, P.C.
3826 Main Street, Buffalo, NY 14226

Date: 10-29-07
Watts Project No.: Y7146

Turnaround Requested / Analysis Requested:
PLM X TEM X SEE NOTE
3 Hr. | 6 Hr. | 12 Hr. | 24 Hr. | 48 Hr. | X 72 Hr. | 5 Day | 6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results PLM	Laboratory Results TEM
Y7146-P-49	Brown Perimeter Window Caulk	Brown Aluminum Window - East		
Y7146-P-50	" " "	" " " West		
Y7146-P-51	Black Window Glazing Compound	" " " East		
Y7146-P-52	" " " "	" " " West		
Y7146-P-53	Black Tar	AT Base of Exterior Brick at foundation Seam - North		
Y7146-P-54	" "	" " " " West		
Y7146-P-55	Tan Vibration Dampener	Attic - South/middle large round fan		
Y7146-P-56	Gray Iron Vibration Dampener	Attic - North End		
Y7146-P-57	Tan Duct Sealant - Old Ducts	Attic - South		
Y7146-P-58	Gray Duct Sealant - new Ducts - north	Attic - north		
Y7146-P-59	cloth mesh Ceramic tile Mortar Base	201		
Y7146-P-60	cloth wrap on fiberglass pipe Insulation	201		
Y7146-P-61	Glazing Compound - Door - glass	209		
Y7146-P-62	Window Glazing Compound	Stairwell 219 - old architectural drawings		

Sampled By: [signature] Date: 10/30/07 Received By: _____ Date: _____
Relinquished By: [signature] Date: 10/30/07 Received By: BMW P.U. Date: 10/30/07 2:40 pm
Comments: Analyze all samples by PLM. If NOBs are negative under PLM analyze by TEM also.

WATTS ARCHITECTURE & ENGINEERING, P.C.
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY

Client: Ashley McGraw Architects
Project: SUNY Oswego - Renovation of Park and Wilber Halls
Building / Location: Park Hall
Contact: Eric McNabb at (716) 836-1540
Fax Preliminary Results to: (716) 836-2402
Mail Report & Invoice to: Watts Architecture & Engineering, P.C.
3826 Main Street, Buffalo, NY 14226

Date: 10-29-07
Watts Project No.: Y7146

Turnaround Requested:
Analysis Requested:
PLM X TEM X
SEE NOTE

3 Hr.	48 Hr.
6 Hr.	X 72 Hr.
12 Hr.	5 Day
24 Hr.	6-10 Day

Sample Number	Material Description	Sample Location	Laboratory Results PLM	TEM
Y7146-P-63	Black vapor Barrier under wood floor on mastic	Bldg		
Y7146-P-64	" " " " " " "	Room 2060		
Y7146-P-65	Tar paper Between wood Floor layers	Room 2060		
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				
Y7146-				

Sampled By: [signature] Date: 10/29/07 Received By: _____ Date: _____
Relinquished By: [signature] Date: 10/30/07 Received By: Brian D.U. Date: 10/30/07 2:40 pm
Comments: Analyze all samples by PLM. If NOBs are negative under PLM analyze by TEM also.

3.5 PREVIOUS SAMPLE DATA SUPPLIED BY FACILITY

Park Asbestos Samples

Sort by ACM

Floor	Room	Area	Material	Asbestos %	Types	Friable/Non-Friable	Year Sampled
Subbasement	Elevator Shaft	Pipe	Insulation	30	Amocite		1989
Subbasement	Elevator Shaft	Control Panel	Dust and Debris	40	Chrysotile		1989
3	Rm. 307	Duct	Insulation - Grey	7	Amocite	Friable	2001
2	Rm. 206	Floor	Floor Tile	<1	Chrysotile		2001
2	Rm. 207	Floor	Tile - Tan	5.4	Chrysotile		1996
2	Rm. 207	Floor	Mastic - Black	6.2	Chrysotile		1996
3	Rm. 301A	Floor	Tile - Green/Black	4.6	Chrysotile		1996
3	Rm. 301A	Floor	Mastic - Black	2.7	Chrysotile		1996
3	Rm. 324	Floor	Tile - Brown	4.9	Chrysotile		1996
Catwalk	Catwalk	Wall	Window Caulk	1.4	Chrysotile	NOB	2000
Exterior	Roof Drain	Roof	Roof Material	0			1987
1	Transportation Lab	Ceiling	Plaster	0			1992
Exterior	North Roof	Roof	Roof Material	0			1988
Attic	South Attic	Attic	Insulation - White	0			1987
3	Rm. 308	Ceiling	ACT - Grey	0		Friable	2001
3	Rm. 303A	Ceiling	Mastic	0			2001
3	Rm. 308	Ceiling	Ceiling Tile Mastic	0			2001
2	Rm. 206	Ceiling	Ceiling Tile Mastic	0			2001
2	Rm. 206	Floor	Floor Mastic	0			2001
1	Rm. 108A	Floor	Debris - Grey	0		Friable	2001
3	Rm. 324	Floor	Mastic - Black	0			1996
2	Rm. 207D	Plaster	Plaster - White/Beige	0		Non-Friable	2005
1	Rm. 105, N.W. Wall	Plaster	Plaster - White/Green	0		Non-Friable	2005
3	Stairwell Ceiling, S.E. Corner - Rm. 301	Ceiling	Plaster - White/Yellow, Old Layer	0		Friable	2005

Park Asbestos Samples

Sort by ACM

Floor	Room	Area	Material	Asbestos %	Types	Friable/Non-Friable	Year Sampled
3	Stairwell Ceiling, S.E. Corner - Rm. 301	Ceiling	Plaster - White/Yellow, New Layer	0		Friable	2005
3	Room 303, Right Wall	Wall	Plaster/Joint Compound - Grey	0		Non-Friable	2006
2	Room 202A, Window Casing	Wall	Window Wall Plaster - Grey	0		Non-Friable	2006

4.0 X-RAY FLUORESCENCE ANALYZER (XRF) DATA TABLE

SUNY Oswego - Park Hall Program Study								
XRF Testing Date: September 10 and 11, 2007					Niton Model XL p 300A			Serial # 11961
No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
1	Shutter Cal							7.21
2	Calibration							1.2
3	Calibration							1.1
4	Calibration							1.1
5	**Roof Solder**	**C**	**Metal**	**Gray**	**Roof**	**Intact**	**Roof**	**18.5**
6	**Roof Solder**	**C**	**Metal**	**Gray**	**Roof**	**Intact**	**Roof**	**2.1**
7	**Roof**	**C**	**Metal**	**Gray**	**Roof**	**Intact**	**Roof**	**15.5**
8	**Roof**	**C**	**Metal**	**Gray**	**Roof**	**Intact**	**Roof**	**9.2**
9	Roof	B	Wood	White	Attic	Intact	Roof	0
10	Roof	D	Wood	White	Attic	Intact	Roof	0
11	**Structural Steel**	**B**	**Wood**	**White**	**Attic**	**Intact**	**Roof**	**14.2**
12	**Structural Steel**	**B**	**Wood**	**White**	**Attic**	**Intact**	**Roof**	**21.2**
13	**Structural Steel**	**D**	**Wood**	**White**	**Attic**	**Intact**	**Roof**	**11.4**
14	**Structural Steel**	**A**	**Wood**	**Brown**	**Attic**	**Intact**	**Roof**	**12**
15	Fan Housing	A	Metal	Gray	Attic	Intact	Roof	0.14
16	Fan Housing	A	Metal	Gray	Attic	Intact	Roof	0.05
17	**Stair Stringer**	**A**	**Metal**	**Green**	**Attic Stairs**	**Intact**	**Roof**	**1.2**
18	**Newel Post**	**A**	**Metal**	**Green**	**Attic Stairs**	**Intact**	**Roof**	**1.1**
19	**Railing**	**A**	**Metal**	**Green**	**Attic Stairs**	**Intact**	**Roof**	**1.8**
20	Wall	A	Plaster	Beige	Attic Stairs	Intact	Roof	0.06
21	Wall	C	Plaster	Beige	Attic Stairs	Intact	Roof	0
22	Wall	B	Plaster	Beige	Attic Stairs	Intact	Roof	0.01
23	Wall	D	Plaster	Beige	Attic Stairs	Intact	Roof	0.04
24	**Door**	**A**	**Metal**	**Green**	**Attic Stairs**	**Intact**	**Roof**	**9**
25	**Door Jamb**	**A**	**Metal**	**Green**	**Attic Stairs**	**Intact**	**Roof**	**3.4**
26	**Door Jamb**	**C**	**Metal**	**Mauve**	**304**	**Intact**	**3rd Floor**	**8.3**
27	Wall	A	Plaster	Mauve	304	Intact	3rd Floor	0
28	Wall	B	Drywall	Mauve	304	Intact	3rd Floor	0
29	Wall	C	Plaster	Mauve	304	Intact	3rd Floor	0.05
30	Wall	D	Plaster	Mauve	304	Intact	3rd Floor	0.04
31	Radiator	D	Metal	Gray	304	Intact	3rd Floor	0.04
32	**HVAC Unit**	**D**	**Metal**	**Gray**	**304**	**Intact**	**3rd Floor**	**1.9**
33	Chalkboard Frame	C	Wood	Mauve	304	Intact	3rd Floor	0.29
34	Wall	A	Plaster	White	306	Intact	3rd Floor	0.02
35	Wall	A	Drywall	White	306	Intact	3rd Floor	0
36	Wall	D	Drywall	White	306	Intact	3rd Floor	0
37	Wall	D	Plaster	White	306	Intact	3rd Floor	0
38	Wall	B	Plaster	White	306	Intact	3rd Floor	0.03
39	Radiator	B	Metal	Gray	306	Intact	3rd Floor	0.22
40	HVAC Unit	B	Metal	White	306	Intact	3rd Floor	0.24
41	HVAC Unit	B	Metal	White	306	Intact	3rd Floor	0.5
42	**Door Jamb**	**A**	**Metal**	**White**	**306**	**Intact**	**3rd Floor**	**1.3**
43	Exhaust Hood	C	Metal	White	302	Intact	3rd Floor	0.23
44	Radiator	C	Metal	Gray	302	Intact	3rd Floor	0.11
45	HVAC Unit	D	Metal	Gray	302	Intact	3rd Floor	0
46	Floor	C	Glazed Tile	Brown	302	Intact	3rd Floor	0
47	Wall	C	Plaster	White	302	Intact	3rd Floor	0.02
48	Wall	D	Plaster	White	302	Intact	3rd Floor	0.02
49	Wall	D	Plaster	White	302	Intact	3rd Floor	0.17
50	Wall	B	Plaster	White	302	Intact	3rd Floor	0
51	Wall	A	Plaster	White	302	Intact	3rd Floor	0
52	Baseboard	B	Wood	White	302	Intact	3rd Floor	0.02

SUNY Oswego - Park Hall Program Study								
XRF Testing Date: September 10 and 11, 2007					Niton Model XLp 300A			Serial # 11961
No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
53	**Door Jamb**	**B**	**Metal**	**White**	**302**	**Intact**	**3rd Floor**	**1.6**
54	Electrical Panel	B	Metal	White	302	Intact	3rd Floor	0.01
55	**Door Jamb**	**A**	**Metal**	**White**	**302**	**Intact**	**3rd Floor**	**1.2**
56	Window Partitions	A	Metal	White	302	Intact	3rd Floor	0.05
57	Wall	A	Plaster	Yellow	302D	Intact	3rd Floor	0
58	Wall	B	Plaster	Yellow	302D	Intact	3rd Floor	0
59	Wall	B	Plaster	Yellow	302D	Intact	3rd Floor	0
60	Wall	C	Plaster	Yellow	302D	Intact	3rd Floor	0
61	Wall	D	Plaster	Yellow	302D	Intact	3rd Floor	0
62	Door Jamb	D	Metal	Yellow	302D	Intact	3rd Floor	0.02
63	HVAC Unit	C	Metal	Beige	301	Intact	3rd Floor	0.15
64	Radiator	B	Metal	Gray	301	Intact	3rd Floor	0.14
65	Wall	C	Plaster	Blue	301	Intact	3rd Floor	0.4
66	Wall	D	Plaster	Blue	301	Intact	3rd Floor	< LOD
67	Wall	B	Plaster	Blue	301	Intact	3rd Floor	0.16
68	Wall	A	Plaster	Yellow	301	Intact	3rd Floor	0
69	**Door Jamb**	**D**	**Metal**	**Blue**	**301**	**Intact**	**3rd Floor**	**1.5**
70	Duct	A	Metal	Beige	301	Intact	3rd Floor	0.03
71	Door Jamb	A	Metal	Beige	301	Intact	3rd Floor	0.17
72	Door	A	Metal	Tan	301	Intact	3rd Floor	0.07
73	Door	C	Metal	Green	301C	Intact	3rd Floor	0
74	Door Jamb	C	Metal	Green	301C	Intact	3rd Floor	0
75	Wall	A	Plaster	Green	301C	Intact	3rd Floor	0.07
76	Wall	B	Plaster	Green	301C	Intact	3rd Floor	0.01
77	Wall	C	Drywall	Green	301C	Intact	3rd Floor	0
78	Wall	D	Plaster	Green	301C	Intact	3rd Floor	0
79	Wall	A	Plaster	Green	3031	Intact	3rd Floor	0
80	Wall	B	Plaster	Beige	3031	Intact	3rd Floor	0.17
81	Wall	C	Plaster	Green	3031	Intact	3rd Floor	0
82	Wall	D	Plaster	Beige	3031	Intact	3rd Floor	0.24
83	Window Casing	D	Wood	Beige	3031	Intact	3rd Floor	0.15
84	Radiator	D	Metal	Gray	3031	Intact	3rd Floor	0.18
85	**Door Jamb**	**B**	**Metal**	**Red**	**3031**	**Intact**	**3rd Floor**	**6.2**
86	Window Sash	C	Metal	Green	3031	Intact	3rd Floor	0.07
87	Wall	A	Plaster	Green	303F	Intact	3rd Floor	0
88	Wall	B	Plaster	Green	303F	Intact	3rd Floor	0
89	Wall	C	Plaster	Green	303F	Intact	3rd Floor	0.01
90	Wall	D	Plaster	Beige	303F	Intact	3rd Floor	0
91	Window Casing	D	Wood	Beige	303F	Intact	3rd Floor	0.27
92	Baseboard	D	Wood	Beige	303F	Intact	3rd Floor	0.01
93	Radiator	D	Metal	Beige	303F	Intact	3rd Floor	0.12
94	Door Jamb	B	Metal	Red	303F	Intact	3rd Floor	0.02
95	Door Casing	A	Metal	Green	303F	Intact	3rd Floor	0.05
96	Door Casing	B	Metal	Beige	303A	Intact	3rd Floor	0.4
97	Radiator	C	Metal	Gray	303A	Intact	3rd Floor	0.13
98	Window Casing	D	Wood	Beige	303A	Intact	3rd Floor	0.4
99	Wall	A	Plaster	Beige	303A	Intact	3rd Floor	0
100	Wall	B	Plaster	Beige	303A	Intact	3rd Floor	0
101	Wall	C	Plaster	Beige	303A	Intact	3rd Floor	0
102	Wall	D	Plaster	Beige	303A	Intact	3rd Floor	0.11
103	Wall	A	Plaster	Beige	307A	Intact	3rd Floor	0
104	Wall	B	Plaster	Beige	307A	Intact	3rd Floor	0.02

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No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
105	Wall	C	Plaster	Beige	307A	Intact	3rd Floor	0
106	Wall	D	Plaster	Beige	307A	Intact	3rd Floor	0.01
107	**Door Jamb**	**D**	**Metal**	**Beige**	**307A**	**Intact**	**3rd Floor**	**1.3**
108	Baseboard	C	Wood	Beige	307A	Intact	3rd Floor	0.02
109	Door Casing	C	Metal	Beige	307A	Intact	3rd Floor	0.02
110	Window Casing	B	Wood	Beige	307	Intact	3rd Floor	0.21
111	Baseboard	B	Wood	Beige	307	Intact	3rd Floor	0.01
112	Radiator	B	Metal	Gray	307	Intact	3rd Floor	0.05
113	Wall	A	Plaster	Green	307	Intact	3rd Floor	0.02
114	Wall	B	Plaster	Beige	307	Intact	3rd Floor	0.07
115	Wall	D	Plaster	Beige	307	Intact	3rd Floor	0.25
116	Wall	C	Plaster	Green	307	Intact	3rd Floor	0
117	Window Casing	C	Metal	Green	307	Intact	3rd Floor	0.03
118	Door Jamb	D	Metal	Red	307	Intact	3rd Floor	6
119	**Door Jamb**	**D**	**Metal**	**Red**	**308**	**Intact**	**3rd Floor**	**6.1**
120	**Vent Grate**	**D**	**Metal**	**Beige**	**308**	**Intact**	**3rd Floor**	**1.1**
121	**Vent Grate**	**D**	**Metal**	**Beige**	**308**	**Intact**	**3rd Floor**	**1.4**
122	Baseboard	D	Wood	Beige	308	Intact	3rd Floor	0.03
123	Wall	A	Plaster	Green	308	Intact	3rd Floor	0.05
124	Wall	B	Drywall	Beige	308	Intact	3rd Floor	0
125	Wall	C	Plaster	Green	308	Intact	3rd Floor	0
126	Wall	D	Plaster	Beige	308	Intact	3rd Floor	0.06
127	Wall	B	Plaster	Beige	Hall 318	Intact	3rd Floor	0.13
128	Wall	D	Plaster	Beige	Hall 318	Intact	3rd Floor	0.07
129	Wall	C	Plaster	Beige	Hall 318	Intact	3rd Floor	0.01
130	**Door**	**B**	**Metal**	**Tan**	**Hall 318**	**Intact**	**3rd Floor**	**4.5**
131	**Door Jamb**	**B**	**Metal**	**Tan**	**Hall 318**	**Intact**	**3rd Floor**	**6.7**
132	Lockers	B	Metal	Tan	Hall 318	Intact	3rd Floor	0.24
133	Lockers	D	Metal	Tan	Hall 318	Intact	3rd Floor	0.26
134	Floor	D	Glazed Tile	Brown	Hall 318	Intact	3rd Floor	0.02
135	**Railing**	**D**	**Metal**	**Green**	**Stair 319**	**Intact**	**3rd Floor**	**7.2**
136	**Baluster**	**D**	**Metal**	**Green**	**Stair 319**	**Intact**	**3rd Floor**	**11.2**
137	**Newel Post**	**D**	**Metal**	**Green**	**Stair 319**	**Intact**	**3rd Floor**	**6.7**
138	**Stair Stringer**	**D**	**Metal**	**Green**	**Stair 319**	**Intact**	**3rd Floor**	**8.6**
139	**Stair Riser**	**D**	**Metal**	**Green**	**Stair 319**	**Intact**	**3rd Floor**	**3.8**
140	Ceiling	D	Plaster	White	Stair 319	Intact	3rd Floor	0.7
141	**Wall**	**A**	**Plaster**	**White**	**201**	**Intact**	**2nd Floor**	**6.5**
142	Wall	B	Plaster	White	201	Intact	2nd Floor	0.04
143	Wall	D	Plaster	White	201	Intact	2nd Floor	0.15
144	Wall	C	Plaster	White	201	Intact	2nd Floor	0.25
145	Baseboard	D	Wood	White	201	Intact	2nd Floor	0.02
146	Floor	D	Glazed Tile	Brown	201	Intact	2nd Floor	0.01
147	Radiator	B	Metal	Gray	201	Intact	2nd Floor	0.07
148	HVAC Unit	B	Metal	Beige	201	Intact	2nd Floor	0.09
149	Electrical Panel	D	Metal	Beige	201	Intact	2nd Floor	0.02
150	**Door Jamb**	**D**	**Metal**	**Beige**	**201**	**Intact**	**2nd Floor**	**1.3**
151	**Door Jamb**	**D**	**Metal**	**Beige**	**201**	**Intact**	**2nd Floor**	**1.7**
152	Door Jamb	B	Metal	Beige	201B	Intact	2nd Floor	0.6
153	**Window Sash**	**B**	**Wood**	**Beige**	**201B**	**Intact**	**2nd Floor**	**2.4**
154	Window Casing	B	Wood	Beige	201B	Intact	2nd Floor	0.01
155	Baseboard	D	Wood	Beige	201B	Intact	2nd Floor	0.03
156	Wall	A	Plaster	Beige	201B	Intact	2nd Floor	0.04

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No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
157	Wall	B	Plaster	Beige	201B	Intact	2nd Floor	0.09
158	Wall	C	Plaster	Beige	201B	Intact	2nd Floor	0.01
159	Wall	D	Plaster	Beige	201B	Intact	2nd Floor	0.05
160	Wall	A	Plaster	Green	208C	Intact	2nd Floor	0.04
161	Wall	B	Plaster	Beige	208C	Intact	2nd Floor	0.19
162	Wall	B	Plaster	Beige	208C	Intact	2nd Floor	0.09
163	Wall	D	Plaster	Beige	208C	Intact	2nd Floor	0
164	Wall	C	Metal	Purple	208C	Intact	2nd Floor	0
165	Wall	C	Metal	Purple	208C	Intact	2nd Floor	0.9
166	Baseboard	A	Wood	Purple	208C	Intact	2nd Floor	0.04
167	**HVAC Unit**	**B**	**Metal**	**White**	**208C**	**Intact**	**2nd Floor**	**2.7**
168	Window Casing	B	Wood	White	208C	Intact	2nd Floor	0.3
169	Wall	A	Plaster	Yellow	216	Intact	2nd Floor	0.02
170	Wall	B	Plaster	Yellow	216	Intact	2nd Floor	0.01
171	Wall	C	Plaster	Yellow	216	Intact	2nd Floor	0.08
172	Wall	D	Plaster	Yellow	216	Intact	2nd Floor	0.18
173	**Door Jamb**	**D**	**Metal**	**Yellow**	**216**	**Intact**	**2nd Floor**	**7.6**
174	Baseboard	D	Wood	Gray	216	Intact	2nd Floor	0.14
175	Wall	A	Glazed Tile	Tan	Bath 216	Intact	2nd Floor	0.01
176	Wall	B	Glazed Tile	Tan	Bath 216	Intact	2nd Floor	0.1
177	Wall	C	Glazed Tile	Tan	Bath 216	Intact	2nd Floor	0.05
178	Wall	D	Glazed Tile	Tan	Bath 216	Intact	2nd Floor	0.02
179	Floor	D	Glazed Tile	Tan	Bath 216	Intact	2nd Floor	0.01
180	Floor	D	Glazed Tile	Brown	Bath 216	Intact	2nd Floor	0.05
181	Door Jamb	D	Metal	Tan	Bath 216	Intact	2nd Floor	0.27
182	Stall Partition	A	Metal	Tan	Bath 216	Intact	2nd Floor	0.11
183	Stall Door	A	Metal	Tan	Bath 216	Intact	2nd Floor	0.07
184	Pipes	A	Metal	Tan	Bath 216	Intact	2nd Floor	0.02
185	Radiator	B	Metal	Gray	Bath 216	Intact	2nd Floor	0.06
186	**Window Casing**	**B**	**Wood**	**Tan**	**Bath 216**	**Intact**	**2nd Floor**	**6.5**
187	**Window Casing**	**B**	**Wood**	**Tan**	**Bath 216**	**Intact**	**2nd Floor**	**7.9**
188	Wall	A	Plaster	Tan	Bath 216	Intact	2nd Floor	0.12
189	Wall	B	Plaster	Tan	Bath 216	Intact	2nd Floor	0.18
190	Ceiling	B	Plaster	Beige	Bath 216	Intact	2nd Floor	0.13
191	Wall	C	Plaster	Tan	Bath 216	Intact	2nd Floor	0.19
192	Wall	D	Plaster	Tan	Bath 216	Intact	2nd Floor	0.01
193	Wall	A	Metal	Tan	Bath 209	Intact	2nd Floor	0.01
194	Wall	B	Metal	Tan	Bath 209	Intact	2nd Floor	0
195	Wall	C	Plaster	Tan	Bath 209	Intact	2nd Floor	0.2
196	Wall	D	Plaster	Tan	Bath 209	Intact	2nd Floor	0.07
197	**Door Jamb**	**D**	**Metal**	**Tan**	**Bath 209**	**Intact**	**2nd Floor**	**7.3**
198	Window Casing	B	Wood	White	209	Intact	2nd Floor	0.25
199	Window Casing	B	Wood	White	209	Intact	2nd Floor	0.1
200	Radiator Cover	B	Metal	White	209	Intact	2nd Floor	0
201	Baseboard	B	Wood	White	209	Intact	2nd Floor	0.06
202	Wall	B	Plaster	White	209	Intact	2nd Floor	0.4
203	Wall	C	Plaster	White	209	Intact	2nd Floor	0.3
204	Wall	D	Metal	White	209	Intact	2nd Floor	0
205	Wall	A	Metal	White	209	Intact	2nd Floor	0
206	Wall	A	Plaster	Blue	206B	Intact	2nd Floor	0
207	Wall	A	Plaster	Blue	206B	Intact	2nd Floor	0.02
208	Wall	B	Plaster	Blue	206B	Intact	2nd Floor	0.27

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No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
209	Wall	D	Plaster	Blue	206B	Intact	2nd Floor	0.04
210	Wall	C	Metal	Tan	206B	Intact	2nd Floor	0
211	Radiator	A	Metal	Gray	206B	Intact	2nd Floor	0.15
212	Radiator	D	Metal	Gray	206	Intact	2nd Floor	0.06
213	HVAC Unit	D	Metal	White	206	Intact	2nd Floor	0.04
214	Baseboard	B	Wood	White	206	Intact	2nd Floor	0
215	Wall	B	Plaster	White	206	Intact	2nd Floor	0.18
216	Wall	C	Plaster	White	206	Intact	2nd Floor	0.4
217	Wall	D	Plaster	White	206	Intact	2nd Floor	0.24
218	Wall	A	Plaster	White	206	Intact	2nd Floor	0.15
219	Wall	A	Metal	White	206	Intact	2nd Floor	0.14
220	Window Casing	D	Wood	White	206	Intact	2nd Floor	0.14
221	**Door Jamb**	**C**	**Metal**	**White**	**206**	**Intact**	**2nd Floor**	**1.2**
222	**Door Jamb**	**B**	**Metal**	**White**	**206**	**Intact**	**2nd Floor**	**1.3**
223	Door Jamb	B	Metal	Tan	205	Intact	2nd Floor	0
224	Door	B	Metal	Tan	205	Intact	2nd Floor	0
225	Window Sill	D	Wood	Red	205	Intact	2nd Floor	0.17
226	**Wall**	**A**	**Plaster**	**Beige**	**205**	**Intact**	**2nd Floor**	**1.9**
227	Wall	A	Plaster	Beige	205	Intact	2nd Floor	0.5
228	Wall	B	Drywall	Green	205	Intact	2nd Floor	0.01
229	Wall	C	Plaster	Beige	205	Intact	2nd Floor	0
230	**Wall**	**D**	**Plaster**	**Beige**	**205**	**Intact**	**2nd Floor**	**2**
231	**Wall**	**D**	**Plaster**	**Beige**	**205**	**Intact**	**2nd Floor**	**1.5**
232	Pipes	D	Metal	Beige	205	Intact	2nd Floor	0
233	Radiator	D	Metal	Gray	205	Intact	2nd Floor	0.02
234	Baseboard	D	Wood	Beige	205	Intact	2nd Floor	0.01
235	Duct	D	Metal	Green	206D	Intact	2nd Floor	0.01
236	Baseboard	D	Wood	Green	206D	Intact	2nd Floor	0.17
237	Door Jamb	D	Metal	Green	206D	Intact	2nd Floor	0.9
238	Wall	A	Plaster	Green	206D	Intact	2nd Floor	0.1
239	Wall	B	Plaster	Green	206D	Intact	2nd Floor	0.08
240	Wall	C	Plaster	Green	206D	Intact	2nd Floor	0.21
241	Wall	D	Plaster	Green	206D	Intact	2nd Floor	0.05
242	Ceiling	D	Plaster	White	206D	Intact	2nd Floor	0.09
243	Wall	A	Plaster	White	Hall	Intact	2nd Floor	0.14
244	Wall	B	Plaster	White	Hall	Intact	2nd Floor	0.08
245	Wall	C	Plaster	White	Hall	Intact	2nd Floor	0.11
246	Wall	D	Plaster	White	Hall	Intact	2nd Floor	0.1
247	**Door**	**D**	**Metal**	**Tan**	**Stair 219**	**Intact**	**2nd Floor**	**5.5**
248	**Door Jamb**	**D**	**Metal**	**Red**	**Stair 219**	**Intact**	**2nd Floor**	**6.6**
249	Floor	D	Glazed Tile	Red	Stair 219	Intact	2nd Floor	0
250	**Railing**	**B**	**Metal**	**Green**	**Stair 219**	**Intact**	**2nd Floor**	**6.6**
251	**Newel Post**	**B**	**Metal**	**Green**	**Stair 219**	**Intact**	**2nd Floor**	**7.6**
252	**Baluster**	**B**	**Metal**	**Green**	**Stair 219**	**Intact**	**2nd Floor**	**9.1**
253	**Stair Stringer**	**B**	**Metal**	**Green**	**Stair 219**	**Intact**	**2nd Floor**	**7.5**
254	**Stair Riser**	**B**	**Metal**	**Green**	**Stair 219**	**Intact**	**2nd Floor**	**7.3**
255	**Window Sash**	**B**	**Metal**	**Brown**	**Stair 219**	**Intact**	**2nd Floor**	**2.8**
256	**Window Casing**	**B**	**Metal**	**Brown**	**Stair 219**	**Intact**	**2nd Floor**	**7.2**
257	Calibration							1.1
258	Calibration							1.1
259	Calibration							1.1
260	Wall	A	Plaster	Green	204	Intact	2nd Floor	0

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No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
261	Wall	B	Plaster	Beige	204	Intact	2nd Floor	0.03
262	Wall	D	Plaster	Beige	204	Intact	2nd Floor	0.05
263	Wall	C	Drywall	Green	204	Intact	2nd Floor	0
264	Door Jamb	C	Metal	Red	204	Intact	2nd Floor	0
265	Door	C	Metal	Red	204	Intact	2nd Floor	0
266	Baseboard	B	Wood	Beige	204	Intact	2nd Floor	0.04
267	Radiator	D	Metal	Gray	204	Intact	2nd Floor	0.07
268	**Door Jamb**	**B**	**Metal**	**Red**	**204**	**Intact**	**2nd Floor**	**5.9**
269	**Door Jamb**	**D**	**Metal**	**White**	**108**	**Intact**	**1st Floor**	**6.3**
270	**Door Jamb**	**A**	**Metal**	**White**	**108**	**Intact**	**1st Floor**	**1.7**
271	HVAC Unit	B	Metal	White	108	Intact	1st Floor	0.24
272	Pipes	B	Metal	White	108	Intact	1st Floor	0.12
273	Window Casing	B	Wood	White	108	Intact	1st Floor	0.12
274	Radiator	B	Metal	Gray	108	Intact	1st Floor	0.07
275	**Wall**	**A**	**Plaster**	**White**	**108**	**Intact**	**1st Floor**	**6.6**
276	**Wall**	**B**	**Plaster**	**White**	**108**	**Intact**	**1st Floor**	**12.7**
277	Wall	C	Drywall	White	108	Intact	1st Floor	0
278	Wall	D	Plaster	White	108	Intact	1st Floor	0
279	**Wall**	**A**	**Plaster**	**White**	**108**	**Intact**	**1st Floor**	**2.9**
280	**Vent Grate**	**D**	**Metal**	**White**	**108**	**Intact**	**1st Floor**	**2.5**
281	Electrical Panel	D	Metal	White	108	Intact	1st Floor	0.11
282	Wall	A	Plaster	White	108D	Intact	1st Floor	0.09
283	Wall	B	Plaster	White	108D	Intact	1st Floor	0.08
284	Wall	C	Plaster	White	108D	Intact	1st Floor	0.21
285	Wall	D	Plaster	White	108D	Intact	1st Floor	0.09
286	Door Jamb	A	Metal	White	108D	Intact	1st Floor	0.06
287	Window Casing	A	Metal	White	108D	Intact	1st Floor	0.1
288	**Door Jamb**	**C**	**Metal**	**White**	**108D**	**Intact**	**1st Floor**	**7.4**
289	**Door**	**C**	**Metal**	**White**	**108D**	**Intact**	**1st Floor**	**9.1**
290	Radiator	B	Metal	Gray	108D	Intact	1st Floor	0.18
291	Window Casing	B	Wood	Blue	108D	Intact	1st Floor	0.1
292	Door Jamb	A	Metal	Brown	P-B1	Intact	Sub Basement	0
293	Door	A	Metal	Brown	P-B1	Intact	Sub Basement	0
294	Door	D	Metal	Brown	P-B1	Intact	Sub Basement	0
295	**Door Jamb**	**D**	**Wood**	**Brown**	**P-B1**	**Intact**	**Sub Basement**	**24.3**
296	Wall	A	Concrete	Green	P-B1	Intact	Sub Basement	0
297	**Wall**	**B**	**Concrete**	**Green**	**P-B1**	**Intact**	**Sub Basement**	**3.8**
298	**Wall**	**C**	**Concrete**	**Green**	**P-B1**	**Intact**	**Sub Basement**	**3.8**
299	Wall	D	Concrete	Green	P-B1	Intact	Sub Basement	0.02
300	Pipes	D	Metal	Green	P-B1	Intact	Sub Basement	0.02
301	Dust Collector	C	Metal	Gray	P-B1	Intact	Sub Basement	0
302	Dust Collector	C	Metal	Gray	P-B1	Intact	Sub Basement	0
303	Catwalk	C	Metal	Brown	P-B1	Intact	Sub Basement	0
304	Catwalk	C	Metal	Brown	P-B1	Intact	Sub Basement	0
305	**Wall**	**A**	**Brick**	**Green**	**P-B2**	**Intact**	**Sub Basement**	**1.9**
306	Wall	B	Brick	Green	P-B2	Intact	Sub Basement	0.22
307	Wall	C	Concrete	Green	P-B2	Intact	Sub Basement	0
308	Ceiling	C	Concrete	White	P-B2	Intact	Sub Basement	0.01
309	Air compressor	A	Metal	Green	P-B2	Intact	Sub Basement	0.22
310	Air compressor	D	Metal	Gray	P-B2	Intact	Sub Basement	0.03
311	Door Jamb	B	Metal	Brown	P-B2	Intact	Sub Basement	0
312	Door	B	Metal	Brown	P-B2	Intact	Sub Basement	0

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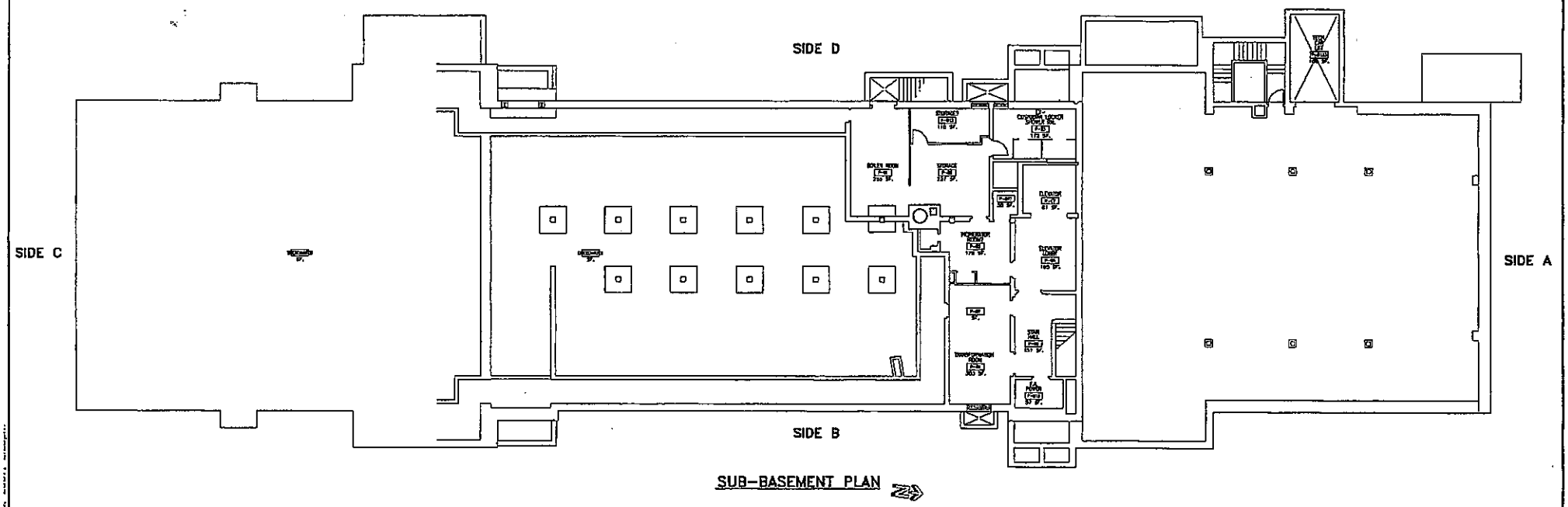
No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
313	Door	B	Wood	Green	P-B3	Intact	Sub Basement	5.6
314	Door Jamb	B	Metal	Green	P-B3	Intact	Sub Basement	4.1
315	Wall	A	Brick	Beige	P-B3	Intact	Sub Basement	0.01
316	Wall	B	Brick	Beige	P-B3	Intact	Sub Basement	3.4
317	Wall	C	Brick	Beige	P-B3	Intact	Sub Basement	3.4
318	Wall	D	Concrete	Beige	P-B3	Intact	Sub Basement	4.4
319	Window Casing	D	Wood	Green	P-B3	Intact	Sub Basement	9.8
320	Wall	A	Brick	Green	P-B6	Intact	Sub Basement	0
321	Wall	A	Brick	Green	P-B6	Intact	Sub Basement	0.02
322	Wall	B	Brick	Green	P-B6	Intact	Sub Basement	0.04
323	Wall	C	Brick	Green	P-B6	Intact	Sub Basement	0
324	Wall	D	Brick	Green	P-B6	Intact	Sub Basement	0.03
325	Door Casing	D	Metal	Gray	P-B6	Intact	Sub Basement	0.18
326	Door Jamb	B	Metal	Green	P-B6	Intact	Sub Basement	1.5
327	Door	B	Metal	Green	P-B6	Intact	Sub Basement	1.2
328	Door	C	Metal	Green	P-B6	Intact	Sub Basement	1.4
329	Door Jamb	C	Metal	Green	P-B6	Intact	Sub Basement	1.5
330	Incinerator	C	Metal	Black	P-B5	Intact	Sub Basement	0
331	Incinerator	C	Metal	Black	P-B5	Intact	Sub Basement	0.02
332	Ceiling	C	Concrete	White	P-B5	Intact	Sub Basement	0
333	Ceiling	C	Concrete	White	P-B6	Intact	Sub Basement	0
334	Ceiling	C	Concrete	White	P-B8	Intact	Sub Basement	0
335	Wall	A	Brick	Green	P-B8	Intact	Sub Basement	0.01
336	Wall	B	Brick	Green	P-B8	Intact	Sub Basement	0.01
337	Wall	C	Brick	Green	P-B8	Intact	Sub Basement	0.01
338	Wall	D	Brick	Green	P-B8	Intact	Sub Basement	0.02
339	Railing	A	Metal	Green	P-B8	Intact	Sub Basement	0.11
340	Door Jamb	A	Metal	Green	P-B8	Intact	Mezzanine	6.9
341	Door Jamb	A	Wood	Beige	P-M3	Intact	Mezzanine	0.03
342	Door Casing	A	Wood	Beige	P-M3	Intact	Mezzanine	0.03
343	Door	A	Wood	Beige	P-M3	Intact	Mezzanine	0.05
344	Window Casing	B	Wood	Beige	P-M3	Intact	Mezzanine	0.04
345	Ceiling	B	Plaster	White	P-M3	Intact	Mezzanine	6
346	Wall	A	Drywall	Beige	P-M3	Intact	Mezzanine	0.14
347	Wall	C	Plaster	Beige	P-M3	Intact	Mezzanine	1.8
348	Wall	C	Plaster	Beige	P-M3	Intact	Mezzanine	5.8
349	Chalkboard	C	Wood	Beige	P-M3	Intact	Mezzanine	0.12
350	Structural Steel	C	Metal	Beige	P-M3	Intact	Mezzanine	14.4
351	Door	D	Metal	Beige	P-M3	Intact	Mezzanine	1.5
352	Door Jamb	D	Metal	Beige	P-M3	Intact	Mezzanine	1.9
353	Door Jamb	D	Wood	Beige	P-M2A	Intact	Mezzanine	0.05
354	Door Casing	D	Wood	Beige	P-M2A	Intact	Mezzanine	0.02
355	Ceiling	D	Plaster	White	P-M2A	Intact	Mezzanine	6.6
356	Wall	A	Drywall	Beige	P-M2A	Intact	Mezzanine	0.01
357	Wall	B	Metal	Beige	P-M2A	Intact	Mezzanine	2.2
358	Wall	C	Plaster	Beige	P-M2A	Intact	Mezzanine	0.07
359	Wall	D	Plaster	Beige	P-M2A	Intact	Mezzanine	0.09
360	Wall	D	Drywall	Beige	P-M2A	Intact	Mezzanine	0.04
361	Chalkboard	C	Wood	Beige	P-M2A	Intact	Mezzanine	0.21
362	Ceiling	C	Plaster	White	P-M5	Intact	Mezzanine	9.2
363	Wall	A	Plaster	White	P-M5	Intact	Mezzanine	0.03
364	Wall	D	Plaster	White	P-M5	Intact	Mezzanine	0.02

SUNY Oswego - Park Hall Program Study								
XRF Testing Date: September 10 and 11, 2007					Niton Model XLp 300A			Serial # 11961
No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
365	**Wall**	**C**	**Plaster**	**White**	**P-M5**	**Intact**	**Mezzanine**	**10.3**
366	**Wall**	**B**	**Plaster**	**White**	**P-M5**	**Intact**	**Mezzanine**	**13.7**
367	**Door Jamb**	**A**	**Metal**	**White**	**P-M5**	**Intact**	**Mezzanine**	**1.6**
368	Stairs	A	Concrete	Gray	P-M5	Intact	Mezzanine	0.04
369	**Stair Stringer**	**A**	**Metal**	**Gray**	**P-M5**	**Intact**	**Mezzanine**	**2.9**
370	Stair Tread	A	Metal	Gray	P-M5	Intact	Mezzanine	0.24
371	Wall	A	Glazed Tile	Tan	128	Intact	1st Floor	0.03
372	Wall	B	Glazed Tile	Tan	128	Intact	1st Floor	0.11
373	Wall	C	Glazed Tile	Tan	128	Intact	1st Floor	0.02
374	Wall	D	Glazed Tile	Tan	128	Intact	1st Floor	0.06
375	Wall	A	Plaster	White	128	Intact	1st Floor	0
376	Wall	B	Plaster	White	128	Intact	1st Floor	0
377	Wall	C	Plaster	White	128	Intact	1st Floor	0.06
378	Wall	D	Plaster	White	128	Intact	1st Floor	0.12
379	**Window Casing**	**D**	**Wood**	**White**	**128**	**Intact**	**1st Floor**	**5.8**
380	**Window Casing**	**D**	**Wood**	**White**	**128**	**Intact**	**1st Floor**	**7.1**
381	Radiator	D	Metal	Gray	128	Intact	1st Floor	0.01
382	Floor	D	Glazed Tile	Brown	128	Intact	1st Floor	0.01
383	Stall Partition	D	Metal	Tan	128	Intact	1st Floor	0.11
384	Stall Door	D	Metal	Tan	128	Intact	1st Floor	0.03
385	**Door Jamb**	**B**	**Metal**	**Beige**	**P-102**	**Intact**	**1st Floor**	**1.9**
386	Door Jamb	A	Metal	Beige	P-102	Intact	1st Floor	0.9
387	Wall	A	Plaster	Beige	P-102	Intact	1st Floor	0.02
388	Wall	D	Plaster	Beige	P-102	Intact	1st Floor	0.16
389	Wall	B	Plaster	Beige	P-102	Intact	1st Floor	0.14
390	Wall	C	Plaster	Beige	P-102	Intact	1st Floor	0.09
391	Wall	C	Glazed Tile	Tan	P-102	Intact	1st Floor	0.05
392	Wall	B	Glazed Tile	Tan	P-102	Intact	1st Floor	0.09
393	Wall	D	Glazed Tile	Tan	P-102	Intact	1st Floor	0.02
394	Baseboard	D	Wood	Gray	P-102	Intact	1st Floor	0.01
395	Radiator	D	Metal	Gray	P-102	Intact	1st Floor	0.1
396	**Door**	**D**	**Metal**	**Green**	**P-122**	**Intact**	**1st Floor**	**4.2**
397	**Door**	**D**	**Wood**	**Green**	**P-122**	**Intact**	**1st Floor**	**6.4**
398	Door Casing	D	Wood	Green	P-122	Intact	1st Floor	0.3
399	**Door Jamb**	**D**	**Wood**	**Green**	**P-122**	**Intact**	**1st Floor**	**1.7**
400	**Door Jamb**	**B**	**Metal**	**Beige**	**P-122**	**Intact**	**1st Floor**	**6.8**
401	**Door**	**B**	**Metal**	**Beige**	**P-122**	**Intact**	**1st Floor**	**11.9**
402	**Lintel**	**B**	**Metal**	**Beige**	**P-122**	**Intact**	**1st Floor**	**9.4**
403	**Door**	**D**	**Wood**	**Brown**	**Exterior**	**Intact**	**1st Floor**	**28.7**
404	**Door Jamb**	**D**	**Wood**	**Brown**	**Exterior**	**Intact**	**1st Floor**	**25.1**
405	**Door Casing**	**D**	**Wood**	**Brown**	**Exterior**	**Intact**	**1st Floor**	**26.7**
406	**Lintel**	**D**	**Metal**	**Brown**	**Exterior**	**Intact**	**1st Floor**	**7.4**
407	Wall	A	Plaster	Beige	101A	Intact	1st Floor	0.07
408	Wall	B	Plaster	Beige	101A	Intact	1st Floor	0
409	Wall	C	Plaster	Beige	101A	Intact	1st Floor	0.3
410	Wall	D	Plaster	Beige	101A	Intact	1st Floor	0.1
411	Radiator	D	Metal	Gray	101A	Intact	1st Floor	0.05
412	Baseboard	A	Wood	Gray	101A	Intact	1st Floor	0
413	Baseboard	A	Wood	Gray	101A	Intact	1st Floor	0
414	**Door Jamb**	**B**	**Metal**	**Beige**	**101A**	**Intact**	**1st Floor**	**1.2**
415	Wall	A	Glazed Tile	Tan	101A	Intact	1st Floor	0.02
416	Wall	B	Glazed Tile	Tan	101A	Intact	1st Floor	0.06

SUNY Oswego - Park Hall Program Study								
XRF Testing Date: September 10 and 11, 2007					Niton Model XLp 300A			Serial # 11961
No.	Component	Side	Substrate	Color	Room	Condition	Floor Level	mg/cm²
417	Wall	C	Glazed Tile	Tan	101A	Intact	1st Floor	0.01
418	Wall	A	Plaster	Beige	101E	Intact	1st Floor	0
419	Wall	B	Plaster	Beige	101E	Intact	1st Floor	0
420	Wall	C	Plaster	Gray	101E	Intact	1st Floor	0.12
421	Wall	D	Plaster	Beige	101E	Intact	1st Floor	0.16
422	**Door Jamb**	**D**	**Metal**	**White**	**101E**	**Intact**	**1st Floor**	**2.4**
423	Window Casing	B	Wood	White	101E	Intact	1st Floor	0.26
424	Radiator	B	Metal	Gray	101E	Intact	1st Floor	0.05
425	Floor	B	Wood	Gray	101E	Intact	1st Floor	0.13
426	Baseboard	B	Wood	Beige	101E	Intact	1st Floor	0
427	Pipes	B	Metal	Tan	101E	Intact	1st Floor	0.06
428	Wall	A	Plaster	Beige	101D	Intact	1st Floor	0
429	Wall	B	Plaster	Beige	101D	Intact	1st Floor	0
430	Wall	D	Metal	Beige	101D	Intact	1st Floor	0.01
431	Wall	C	Metal	Beige	101D	Intact	1st Floor	0.03
432	Wall	B	Glazed Tile	Tan	101D	Intact	1st Floor	0.01
433	Baseboard	B	Wood	Gray	101D	Intact	1st Floor	0.01
434	Baseboard	B	Wood	Gray	101D	Intact	1st Floor	0
435	Baseboard	D	Wood	Yellow	104	Intact	1st Floor	0.01
436	Window Casing	D	Wood	Yellow	104	Intact	1st Floor	0.16
437	Wall	D	Plaster	Yellow	104	Intact	1st Floor	0.6
438	Wall	A	Plaster	Yellow	104	Intact	1st Floor	0.7
439	Wall	C	Plaster	Yellow	104	Intact	1st Floor	0.5
440	Wall	D	Plaster	Yellow	104	Intact	1st Floor	0
441	Radiator	D	Metal	Gray	104	Intact	1st Floor	0.09
442	Door Jamb	B	Metal	Yellow	104	Intact	1st Floor	0.8
443	Electrical Panel	B	Metal	Yellow	104	Intact	1st Floor	0.04
444	Door Jamb	C	Metal	Yellow	104	Intact	1st Floor	0.6
445	**Vent Grate**	**B**	**Metal**	**Yellow**	**104**	**Intact**	**1st Floor**	**1.4**
446	**Vent Grate**	**B**	**Metal**	**Tan**	**112**	**Intact**	**1st Floor**	**2.5**
447	**Fire cabinet**	**B**	**Metal**	**Red**	**112**	**Intact**	**1st Floor**	**3.2**
448	Lockers	B	Metal	Tan	112	Intact	1st Floor	0.4
449	Lockers	D	Metal	Tan	112	Intact	1st Floor	0.4
450	Wall	D	Plaster	Beige	112	Intact	1st Floor	0
451	Wall	A	Plaster	Beige	112	Intact	1st Floor	0.16
452	Wall	B	Plaster	Beige	112	Intact	1st Floor	0.05
453	**Door**	**B**	**Metal**	**Tan**	**112**	**Intact**	**1st Floor**	**3.5**
454	**Door Jamb**	**B**	**Metal**	**Red**	**112**	**Intact**	**1st Floor**	**6.4**
455	Door	B	Wood	Brown	Exterior	Peeling	1st Floor	0.8
456	Door	B	Wood	Brown	Exterior	Peeling	1st Floor	0.8
457	Door Casing	B	Wood	Brown	Exterior	Peeling	1st Floor	0.6
458	**Door Jamb**	**B**	**Wood**	**Brown**	**Exterior**	**Peeling**	**1st Floor**	**5.4**
459	**Door Casing**	**B**	**Wood**	**Brown**	**Exterior**	**Peeling**	**1st Floor**	**24.1**
460	Calibration							1.1
461	Calibration							1.1
462	Calibration							1



SUB–BASEMENT PLAN

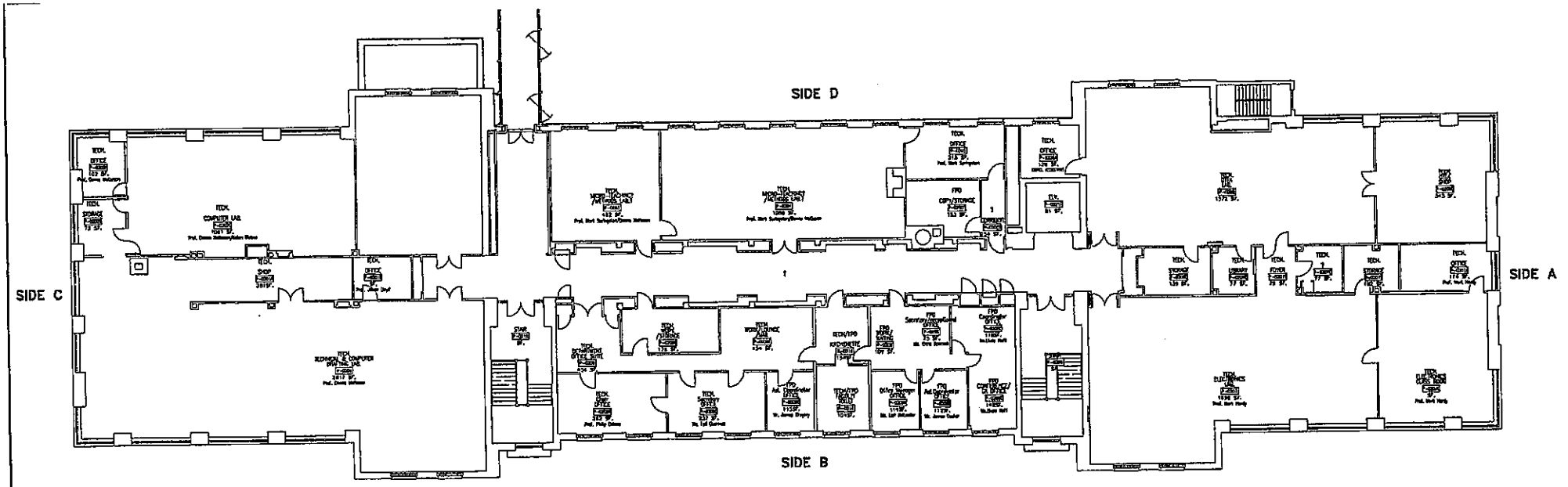
XRF TESTING WAS CONDUCTED ON SEPTEMBER 13, 2007.

WATTS ARCHITECTURE & ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226
(716) 836-1540 T (716) 836-2402 Fax

LEAD REFERENCE DRAWING
SUB–BASEMENT

SUNY OSWEGO
PARK HALL
OSWEGO, NEW YORK

NOT TO SCALE | NOVEMBER 2007



SECOND FLOOR PLAN

XRF TESTING WAS CONDUCTED ON SEPTEMBER 13, 2007.

WATTS ARCHITECTURE & ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226
(716) 836-1540 T (716) 836-2402 Fax

LEAD REFERENCE DRAWING
SECOND FLOOR

SUNY OSWEGO
PARK HALL
OSWEGO, NEW YORK

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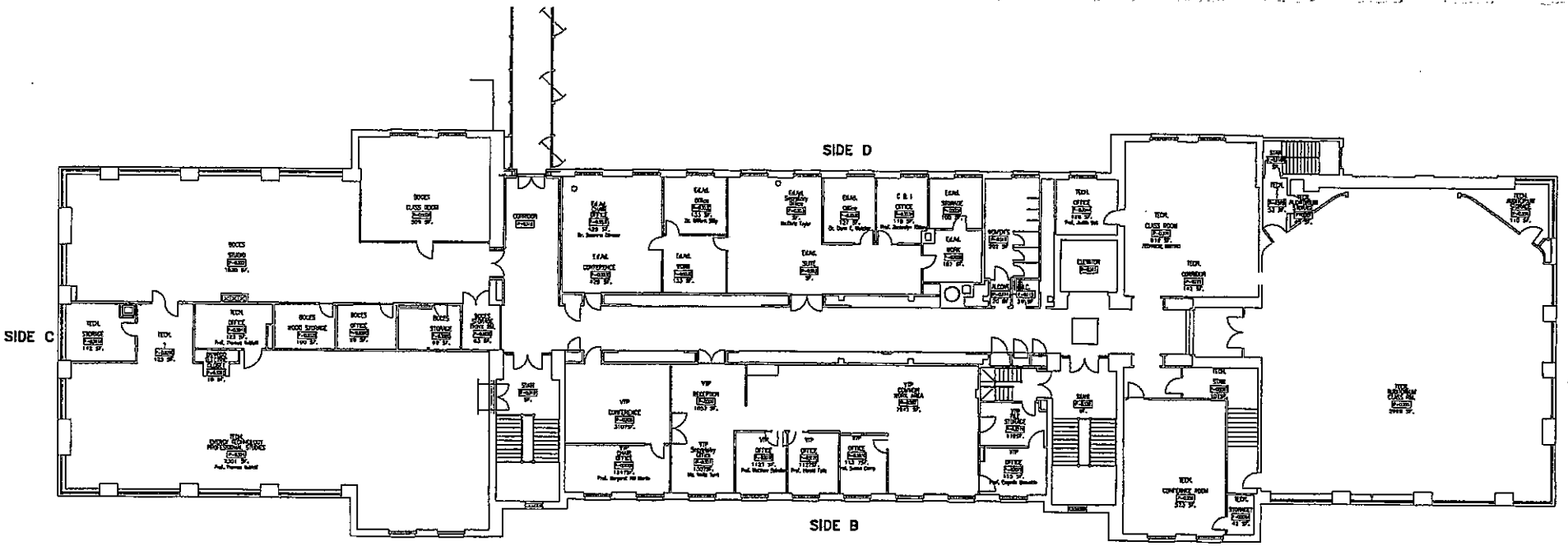

THIRD FLOOR PLAN

XRF TESTING WAS CONDUCTED ON SEPTEMBER 13, 2007.

WATTS ARCHITECTURE & ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226
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LEAD REFERENCE DRAWING
THIRD FLOOR

SUNY OSWEGO
PARK HALL
OSWEGO, NEW YORK

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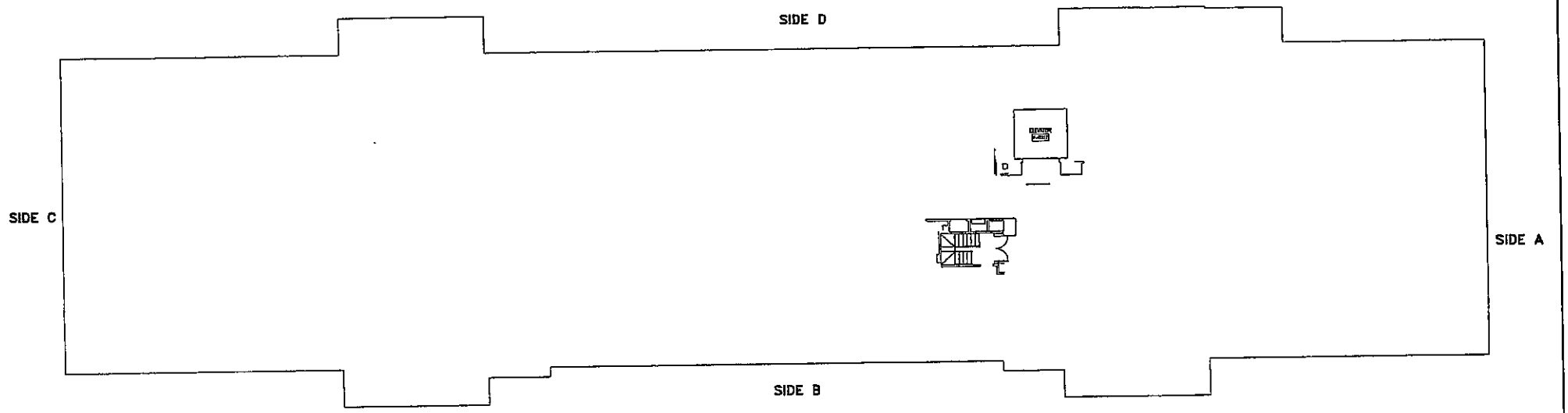


ROOF PLAN

XRF TESTING WAS CONDUCTED ON SEPTEMBER 13, 2007.

WATTS ARCHITECTURE & ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226
(716) 836-1540 T (716) 836-2402 Fax

LEAD REFERENCE DRAWING
ROOF FLOOR

SUNY OSWEGO
PARK HALL
OSWEGO, NEW YORK

NOT TO SCALE | NOVEMBER 2007

5.0 LABORATORY ACCREDITATION

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2008
Issued April 01, 2007

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. KENNETH NAJUCH
EMSL ANALYTICAL INC
490 ROWLEY ROAD
DEPEW, NY 14043

NY Lab Id No: 11606
EPA Lab Code: NY01278

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	EPA 600/M4/82/020
	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	ITEM 198.4 OF MANUAL

Serial No.: 33019

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify laboratory's accreditation status.

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc.
490 Rowley Road
Depew, NY 14043
Mr. Kenneth J. Najuch
Phone: 716-651-0030 Fax: 716-651-0394
E-Mail: knajuch@emsl.com
URL: http://www.emsl.com/

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 200056-0**

NVLAP Code	*Designation / Description*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2007-07-01 through 2008-06-30
Effective dates

Sally S. Bruce
For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200056-0

EMSL Analytical, Inc.

Depew, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated 18 June 2005).

2007-07-01 through 2008-06-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2006-09-13)

6.0 CONSULTANT'S LICENSE AND CERTIFICATION

WATTS
ARCHITECTURE &
ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226

STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
License and Certificate Unit
BUILDING 12, STATE CAMPUS
ALBANY, NY 12240
ASBESTOS HANDLING LICENSE

RESTRICTED LICENSE. Asbestos Removal Not Permitted

Contractor: WATTS ARCHITECTURE & ENGINEERING, P.C.
3826 MAIN STREET
BUFFALO, NY 14226

LICENSE NUMBER: [illegible]
DATE OF ISSUE: [illegible]
EXPIRATION DATE: [illegible]

Duly Authorized Representative: EDWARD D. WATTS, P.E.

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Miriam Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 492 (6-03)

WATTS
ARCHITECTURE &
ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

MARK E MCNABB
CLASS(EXPIRES)
C AT EC(05/08) D INSP(05/08)
H PM (05/08) I PD (05/08)

CERT# 02-01251
DMV# 798994719
MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 290A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

M. Eric McNabb

C- Air Sampling Technician
D – Inspector
H – Project Monitor
I – Project Designer

United States Environmental Protection Agency

This is to certify that

Watts Engineering & Architecture, P.C., d/b/a Watts Engineers

3826 Main Street, Buffalo, New York 14226

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402(a)(1) and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226.

In the Jurisdiction of:

New York

This certification is valid from the date of issuance and expires April 17, 2009

NY-1952-1

Certification #

FEB 10 2006

Issued On

Kenneth S. Stoller, P.E., QEP, DEE, Chief

Pesticides & Toxic Substances Branch

WATTS
ARCHITECTURE &
ENGINEERING, P.C.
3826 Main Street
Buffalo, New York 14226

New York

RISK ASSESSOR

Certified Lead-Based Paint Professional

Certification No NY-R-446-2

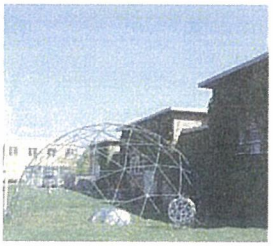
Date of Birth	Expiration Date
05/07/1971	10/31/2009

Address
969 Amherst St.
Buffalo, NY 14216

Badge Holder's Name
Mark Eric McNabb

Badge Holder's Signature
Mark E. McNabb

If found, drop in any mailbox
Postmaster: Please return to:
US EPA
1200 Pennsylvania Ave, NW
(MC-74040T)
Washington, DC 20460
or call 1-800-424-LEAD



5. Surveys and Studies

Code Review

OSWEGO
STATE UNIVERSITY OF NEW YORK

ASHLEY McGRAW
ARCHITECTS P.C.

CODE COMPLIANCE REVIEW

Existing Building Code of New York State, 2007

Facility: Park and Wilber Halls	**Client: SUNY Oswego**
(Address) SUNY Oswego 165 Wilber Hall, Oswego NY, 13126	
Project Title: School of Education Program Study Update	
Architect/Engineer: Krista Hannacker	
Occupancy Classification(s): Business Group B	**Construction Classification: IIB**

Classification of Work: Check all that apply.

- ☐ Repair
- ☐ Alteration Level 1
- ☐ Alteration Level 2
- ☒ Alteration Level 3
- ☐ Change of Occupancy
- ☒ Additions
- ☐ Historic Buildings
- ☐ Relocated Buildings

Work Involved: Check all that apply.

- ☒ General Construction
- ☒ Roofing
- ☒ Asbestos Abatement/Environmental
- ☒ Fire Alarm
- ☐ Structural
- ☒ Mechanical
- ☒ Plumbing
- ☒ Electrical
- ☒ Site Work
- ☒ Sprinkler
- ☒ Elevators
- ☐ Other ____

LEGEND: R: *Required,* **NA:** *Not Applicable,* **NR:** *Not Required,* **NP:** *Not Permitted,* **BC:** *Building Code,* **EBC:** *Existing Building Code* **FC:** *Fire Code,* **PC:** *Plumbing Code,* **MC:** *Mechanical Code,* **FGC:** *Fuel Gas Code,* **ECCC:** *Energy Conservation Construction Code*

No	Topic	Building Code Section (unless otherwise noted)	R/ NA	Actual	Comment
	Alterations – Level 1	Chapter 5			
1	**Interior Finishes**	503.1	R	All new finishes are to comply as part of the conceptual scope of work.	Newly installed interior finishes to comply with flame spread requirements of the BC
	Carpeting	503.2	R	All new carpeting is to comply as part of the conceptual scope of work.	New carpeting to comply with radiant flux requirements of the BC
	Materials and Methods	503.3	R	All work is to comply as part of the conceptual scope of work.	All work to comply with material and methods requirements of NFPA 70, BC, MC, and PC
	Fuel Gas Code of NYS	Chapters 3, 4, 5, 6			The following shall constitute sections of the FGC materials and methods requirements for Level 1 alterations:
2		FGC Chapter 3 (all)	R	To comply	"General Regulations"
3		FGC Chapter 4 (all)	R	To comply	"Gas Piping Installations"
4		FGC Chapter 5 (all)	R	To comply	"Chimneys and Vents"
5		FGC Chapter 6 (all)	R	To comply	"Specific Appliances"
	Energy Conservation Construction Code	503.3.2	R	It is the intent of this project, at the conceptual level, that the building conform to the ECCC, as applicable.	See Section 101.2 Exception 4: (Exception 4: Conform with Section 101.4.2 through 101.4.4 of the ECCC)
6	**Existing Buildings**	ECCC 101.4.2	R	To comply	Except as specified in this chapter,

					this code shall not be used to require the removal, alteration or abandonment of, nor prevent the continued use and maintenance of, an existing building or building system lawfully in existence at the time of adoption of this code.
	Historic Buildings	ECCC 101.4.3	NA	NA	
	Additions, alterations, renovations, or repairs.	ECCC 101.4.4	R	To comply	Additions and alterations shall conform with Sections 101.4.4.1 through 101.4.4.3.
	Additions	ECCC 101.4.4.1	R	It is the intent of this project, at the conceptual level, that the addition conform to the ECCC, as applicable.	Additions shall conform to the provisions of this code as they relate to new construction without requiring the unaltered portion(s) of the existing building or building system to comply with this code. Additions shall not create an unsafe or hazardous condition or overload existing building systems.
	Substantial alterations	ECCC 101.4.4.2	R	More than 50 percent of the architectural systems are being replaced. Therefore, the scope of work at this conceptual level will conform to the ECCC as they relate to new construction.	Where 50 percent or more of a building system or subsystem, measured in units appropriate to that system, is replaced within any twelve month period, that portion of the system or subsystem shall conform with the provisions of this code (ECCC) as they relate to new construction. Substantial alterations shall not create an unsafe or hazardous condition or overload existing building systems or subsystems. Exceptions: The following need not comply, provided the energy use of the building is not increased. 1. Storm windows installed over existing fenestration. 2. Glass only replacements in an existing sash and frame. 3. Existing ceiling, wall or floor cavities exposed during construction, provided that these cavities are filled with insulation. 4. Construction where the existing roof, wall or floor cavity is not exposed.
	Other alterations	ECCC 101.4.4.3	R	To comply	Where less than 50 percent of a building system or sub system, measured in units appropriate to that system, is replaced or repaired within any twelve month period, alterations to that portion of the system shall not create an unsafe or hazardous condition or overload existing building systems or subsystems.
7	**Fire Protection**	504.1	R	The existing level of	Maintain the level of fire protection

				fire protection will be maintained and/or improved as part of the conceptual scope of work.	provided.
8	**Accessibility**	506	R	The conceptual design shall comply with the applicable accessibility provisions.	A building, facility, or element that is altered shall comply with the applicable provisions in Sections 506.1.1 through 506.1.12, Chapter 11 of the BC, and ICC A117.1 unless technically infeasible. Where compliance of this section is technically infeasible, the alteration shall provide access to the maximum extent technically feasible. See Exceptions (3).
	Entrances	506.1.1	R	The entrances to Park and Wilber Halls currently do not meet accessibility standards. They are to be altered to conform as part of the scope of work for the conceptual design.	If an entrance is altered and there is already an HCP entrance, the altered entrance is not required to be accessible unless otherwise noted in 506.2.
	Elevators	506.1.2	R	The Wilber Hall elevator is currently a service elevator only. In the conceptual plan, the elevator will be a service and passenger elevator meeting all code standards.	Altered elements of existing elevators are required to comply with ASME A17.1, A17.1a, A17.1s and ICC A117.1. Such elements shall also be altered in elevators programmed to respond to the same hall call control as the altered elevator.
	Platform Lifts	506.1.3	NA	NA	Platform lifts complying with ICC A117.1 and installed in accordance with ASME A18.1 shall be permitted as a component of an accessible route.
	Ramps	506.1.4	R	Wilber Hall currently has an accessible ramp with railings. It is the intent of the conceptual design that the ramps be eliminated and the site have gradual conforming slopes to the main entries.	Where steeper slopes than allowed by Section 1010.2 of the BC are necessitated, slope to conform with Table 506.1.4
	Dining Areas	506.1.5	NA	NA	As accessible route to raised or sunken dining areas or to outdoor seating areas is not required provided that the same services and décor are provided in an accessible space usable by an occupant and not restricted to use by people with a disability.
	Performance Areas	506.1.6	NA	NA	Where it is technically infeasible to alter performance areas to be on an accessible route, at least one of each type of performance area shall be made accessible.
	Jury boxes and witness stands	506.1.7	NA	NA	

	Dwelling or sleeping units	506.1.8	NA	NA	
	Toilet Rooms	506.1.9	All ow	Currently both Park and Wilber Halls have women's and men's toilets on alternating floors. The intent is to add either a unisex or alternate sex toilet on each floor.	Where it is technically infeasible to alter existing toilet and bathing facilities to be accessible, an accessible unisex toilet or bathing facility is permitted. The unisex facility shall be located on the same floor and in the same area as the existing facilities.
	Dressing, fitting, and locker rooms	506.1.10	NA	NA	
	Thresholds	506.1.11	R	New door assemblies are part of the conceptual scope of work. The thresholds shall comply.	The maximum height of thresholds at doorways shall be ¾". Such thresholds shall have beveled edges on each side.
	Extent of Application	506.1.12	R	Accessibility is to be improved as part of the conceptual scope of work.	An alteration of an existing element, space, or area of a building or facility shall not impose a requirement for greater accessibility than that which would be required for new construction. Alterations shall not reduce or have the effect of reducing accessibility of a building, portion of a building, or facility.
	Accessibility	BC Chapter 11	R		
9	**Scope**	BC 1101.1	R	It is the intent that this project will comply with the applicable sections.	The provisions of this chapter and Appendix E shall control the design and construction of facilities for accessibility to physically disabled persons.
	General exceptions	BC 1103.2	R	This project meets the exception 1103.2.2	Sites, buildings, facilities and elements shall be exempt from this chapter to the extent specified in this section. Exception: 1. Specific requirements. (see BC). 2. Existing buildings. Existing buildings shall comply with the EBC. 3. Employee work areas (see BC).
	BC Appendix E	BC Appendix E			
10	**Drinking fountains**	E105.1	R	The drinking fountains in the facility will comply as part of the conceptual scope of work.	Where drinking fountains are provided, at least 50 percent, but not less than one, of such units provided on each floor shall comply with ICC/ANSI A117.1.
	Portable toilets and bathing rooms	E105.2	NA	NA	
	Laundry equipment	E105.3	NA	NA	
	Depositories, vending machines, etc.	E 105.4	R	Vending machines will meet ANSI requirements.	…at least one of each type shall comply with ICC/ANSI 117.1.
	Mailboxes	E 105.5	R	To comply	…at least 5 percent, but not less than one, of each type, shall comply with ICC/ANSI 117.1.
	Automatic teller and fare	E105.6	NA	NA	

	machines				
	Two-way communication systems	E105.7	NA	NA	
11	**Wheelchair-accessible telephones**	E106.2	R	Telephones will meet ANSI requirements where provided.	Where public telephones are provided, wheelchair-accessible telephones complying with ICC/ANSI 117.1 shall be provided in accordance with Table E106.2.
	Volume Control	E106.3	R	Telephone volume control will meet ANSI requirements where provided.	All public telephones provided shall have volume control complying with ICC/ANSI 117.1.
	TTY's	E106.4	R	TTY's will meet ANSI requirements where provided.	TTY's complying with ICC/ANSI 117.1 shall be provided in accordance with Sections E106.4.1.
	Bank requirement	E106.4.1	NA	NA	
	Floor requirement	E106.4.2	R	TTY's will meet ANSI requirements where provided.	...Where at least one public pay telephone is provided on a floor of a publicly owned building, at least one public TTY shall be provided on that floor.
	Building requirement	E106.4.3	R	TTY's will meet ANSI requirements where provided.	...Where at least one public pay telephone is provided in a publicly owned building, at least one public TTY shall be provided in the building.
	Site requirement	E106.4.4	NA	NA	
	Rest stops, emergency stops, and service plazas	E106.4.5	NA	NA	
	Hospitals	E106.4.6	NA	NA	
	Transportation facilities	E106.4.7	NA	NA	
	Detention and correctional facilities	E106.4.8	NA	NA	
	Signs	E106.4.9	R	TTY's will meet ANSI requirements where provided.	Public TTY's shall be identified by the International Symbol of TTY complying with ICC/ANSI 117.1. Directional signs indicating the location of the nearest public TTY shall be provided at banks of public pay telephones not containing a public TTY. Additionally, where signs provide direction to public pay telephones, they shall also provide direction to public TTY's. Such signs shall comply with ICC/ANSI 117.1 and shall include the International Symbol of TTY.
	Shelves for portable TTY's	E106.5	R	TTY's will meet ANSI requirements where provided.	Where a bank of telephones in the interior of a building consists of three or more public pay telephones, at least on public pay telephone at the bank shall be provided with a shelf and an electrical outlet in accordance with CCI/ANSI 117.1. (See Exceptions 1 and 2).
12	**Signage**	E107.1	NA	NA	
	Designations	E107.2	R	All interior and exterior signage is to comply.	Interior and exterior signs identifying permanent rooms and spaces shall be tactile. Where pictograms are provide as designations of interior rooms and spaces, the pictograms

					shall have tactile descriptors. Signs required to provide tactile characters and pictograms shall comply with ICC/ANSI 117.1. Exceptions: 1. Exterior signs that are not located at the door to the space they serve are not required to comply. 2. Building directories, menus, seat and row designations in assembly areas, occupant names, building addresses and company names and logos are not required to comply. 3. Signs in parking facilities are not required to comply. 4. Temporary (seven days or less) signs are not required to comply.
	Directional and informational signs	E107.3	R	All interior signage is to comply.	Signs that provide direction to, or information about, permanent interior spaces of the site and facilities shall contain visual characters complying with ICC/ANSI 117.1. Exception: Building directories, personnel names, company or occupant names and logos, menus and temporary (seven days or less) signs are not required to comply with ICC/ANSI 117.1.
	Other signs	E107.4	NA	NA	
13	**Bus stops**	E108	NA	NA	
14	**Transportation Facilities and Stations**	E109	NA	NA	
15	**Airports**	E110	NA	NA	
16	**Qualified Historic Buildings and Facilities**	E111	NA	NA	
17	**Alterations affecting an area containing a primary function**	506.2	R	All routes are to be accessible as part of the conceptual scope of work.	Where an alteration affects the accessibility to, or contains an area of, primary function, the route to the primary function shall be accessible. The accessible route to the primary function shall include toilet facilities or drinking fountains serving the area of primary function. Exceptions: 1. The costs of providing the accessible route are not required to exceed 20 percent of the costs of the alterations affecting the area of primary function. 2. This provision does not apply to alterations limited

					solely to windows, hardware, operating controls, electrical outlets and signs. 3. This provision does not apply to alterations limited solely to mechanical systems, electrical systems, installation or alteration of fire protection systems, and abatement of hazardous materials. 4. This provision does not apply to alterations undertaken for the primary purpose increasing the accessibility of an existing building, facility or element.
18	**Structural**	507.1	R	Equipment is being replaced, and reroofing is part of the conceptual scope of work.	Where alteration work includes replacement of equipment that is supported by the building or where a reroofing permit is required, the structural provisions of this section shall apply.
	Replacement of roofing or equipment	507.2.1	R		Where replacement of roofing or equipment results in additional dead loads, structural components supporting such reroofing or equipment shall comply with the vertical load requirements of the BC. Exceptions: 1. Structural elements whose stress is not increased by more than 5 percent. 2. Buildings constructed in accordance with the RC or the conventional construction methods of the BC and where the additional dead load from the equipment is not increased by more than 5 percent.
	Alterations – Level 2	Chapter 6			
19	**Alteration Level 1 Compliance**	601.2	R	The work shall comply with the requirements of Chapter 5 as well.	In addition to the requirements of this chapter, all work shall comply with the requirements of Chapter 5.
	Compliance	601.3	R	The work shall comply with the requirements of the BC.	All new construction elements, components, systems, and spaces shall comply with the requirements of the BC. Exceptions: 1. Windows may be added without requiring compliance with the light and ventilation requirements of the BC. 2. Newly installed electric equipment shall comply with the requirements of Section 608.

					3. The length of dead-end corridors in newly constructed spaces shall only be required to comply with the provisions of Section 605.6. 4. The minimum ceiling height of the newly created and occupiable spaces and corridors shall be 6'-8". Basement spaces of type R, M, B and S can have ceiling height of not less than 6'-4" of clear height under beams, girders, ducts and similar obstructions, provided no more than 30 percent of the floor area is below 6'-8" and the basement is limited to one story below grade.
20	**Building elements and materials - Scope**	603.1	R	The work shall comply with the requirements of this section.	The requirements of this section are limited to work areas in which Level 2 alterations are being performed, and shall apply beyond the work area where specified.
	Vertical Openings	603.2	R	To comply	Existing vertical openings shall comply with the provisions of Sections 603.2.1, 603.2.2 and 603.2.3.
	Existing Vertical Openings	603.2.1	R	Exceptions 1-3 and 5 apply to this project.	All existing interior vertical openings connecting two or more floors shall be enclosed with approved assemblies having a fire-resistance rating of not less than 1 hour with approved opening protectives. (Review Exceptions 1-14).
	Supplemental shaft and floor opening enclosure requirements	603.2.2	R	The work area exceeds 50 percent of the floor area. Therefore, the enclosure requirements apply to all vertical openings throughout the floor.	Where the work area on any floor exceeds 50 percent of that floor area, the enclosure requirements of section 603.2 shall apply to vertical openings other than stairways throughout the floor. (Review the Exception).
	Supplemental stairway enclosure requirements	603.2.3	R	The work area exceeds 50 percent of the floor area. Therefore, the stairways shall meet this requirement.	Where the work area on any floor exceeds 50 percent of that floor area, stairways that are part of the means of egress serving the work area shall, at a minimum, be enclosed with smoke-tight construction on the highest work area floor and all floors below. Exception: Where stairway enclosure is not required by the BC.
	Smoke Barriers	603.3	NA	NA	
	Interior Finish	603.4	R	The interior finishes will comply with the requirements of the BC Table 803.5. <u>Sprinklered</u> ▪ Vertical exits and	The interior finish of walls and ceilings in exits and corridors in any work area shall comply with the requirements of the BC. Exception: Existing interior finish materials that do not comply with the

				exit passageways: Class B ▪ Exit access corridors and other exit ways: Class C ▪ Rooms and enclosed spaces: Class C <u>NonSprinklered</u> ▪ Vertical exits and exit passageways: Class A ▪ Exit access corridors and other exit ways: Class B ▪ Rooms and enclosed spaces: Class C	interior finish requirements of the BC shall be permitted to be treated with an approved fire-retardant coating in accordance with the manufacturer's instructions to achieve the required rating.
	Supplemental interior finish requirements	603.4.1	R	The work area exceeds 50 percent. Therefore, Section 603.4 applies to the interior finish in exits and corridors serving the work area.	Where the work area on any floor exceeds 50% of the floor area, Section 603.4 shall also apply to the interior finish in exits and corridors serving the work area throughout the floor. Exception: Interior finish work within tenant spaces that are entirely outside of the work area.
	Guards	603.5	R	To comply	
	Minimum requirements	603.5.1	R	To comply	Every portion of a floor…that is more than 30 inches above the floor or grade… shall be provided with guards.
	Design	603.5.2	R	To comply	Where there are no guards or where existing guards must be replaced, the guards shall be designed and installed in accordance with the BC.
21	**Fire Protection**	604.1	R	To comply	The requirements of this section shall be limited to work areas in which Level 2 alterations are being performed, and where specified they shall apply throughout the floor on which the work areas are located or otherwise beyond the work area.
	Automatic sprinkler systems	604.2	R	Park and Wilber Halls will be fully sprinklered	Automatic sprinkler systems shall be provided in accordance with the requirements of Section 604. Installation requirements shall be in accordance with the BC.
	High-rise buildings	604.2.1	NA		
	All groups	604.2.2	R	To comply	In buildings where occupancies required by Chapter 9 of the BC to be provided with sprinkler protection, work areas shall be provided with automatic sprinkler protection where all of the following occur: 1. The work area is required to be provided with automatic sprinkler protection in accordance with the BC as applicable to new construction.

					2. The work area exceeds 50 percent of the floor area; and 3. the building has sufficient municipal water supply for design of a fire sprinkler system available to the floor without installation of a new fire pump. **Exception:** Work areas in Group R occupancies three stories or less in height.
	Mixed Uses	604.2.2.1	R	Park and Wilber Halls will be fully sprinklered	In work areas containing mixes uses, one or more of which requires automatic sprinkler protection in accordance with Section 604.2.2, such protection shall not be required throughout the work area provided that the uses requiring such protection are separated from those not requiring protection by fire-resistance-rated construction having a minimum 2-hour rating for Group H and a minimum 1-hour rating for all other occupancy groups.
	Windowless Stories	604.2.3	R	Park and Wilber Halls will be fully sprinklered	Automatic sprinkler systems shall be provided in accordance with the requirements of Section 604. Installation requirements shall be in accordance with the BC.
	Other required suppression systems	604.2.4	R	Park and Wilber Halls will be fully sprinklered	Automatic sprinkler systems shall be provided in accordance with the requirements of Section 604. Installation requirements shall be in accordance with the BC.
	Supervision	604.2.7	R	To comply	Fire sprinkler systems required by this section shall be supervised by one of the following methods…
	Standpipes	604.3	R	The system will comply with the BC	Where the aggregate work area exceeds 50 percent of any single floor area and any work area is located more than 30 feet above or below the lowest level of fire department access, a standpipe system shall be provided. Standpipes shall have an approved fire department connection with hose connections at each floor level above or below the lowest level of fire department access. Standpipe systems shall be installed in accordance with the BC. See Exceptions.
	Fire alarm and detection	604.4	R	An approved fire alarm and detection system to be provided	An approved fire alarm system shall be installed in accordance with Sections 604.4.1 through 604.4.3. Where automatic sprinkler protection is provided in accordance with Section 604.2 and is connected to the building fire alarm system, automatic heat detection shall not be required.

					An approved automatic fire detection system shall be installed in accordance with the provisions of this code and NFPA 72. Devices, combinations of devices, appliances, and equipment shall be approved. The automatic fire detectors shall be smoke detectors, except that an approved alternative type of detector shall be installed in spaces such as boiler rooms, where products of combustion are present during normal operation in sufficient quantity to actuate a smoke detector.
	Occupancy Requirements	604.4.1	R	To comply	A fire alarm system shall be installed in accordance with Sections 604.4.1.1 through 604.4.1.7. Existing alarm-notification appliances shall be automatically activated throughout the building. Where the building is not equipped with a fire alarm system, alarm-notification appliances within the work area shall be provided and automatically activated. Exceptions: 1. Occupancies with an existing, previously approved fire alarm system. 2. Where selective notification is permitted, alarm-notification appliances shall be automatically activated in the areas selected.
	Group E	604.4.1.1	NA		
	Group I-1	604.4.1.2	NA		
	Group I-2	604.4.1.3	NA		
	Group I-3	604.4.1.4	NA		
	Group R-1	604.4.1.5	NA		
	Group R-2	604.4.1.6	NA		
	Group R-4	604.4.1.7	NA		
	Supplemental fire alarm system requirements	604.4.2	R	A fire alarm system will be installed and will be in compliance with code regulations	Where the work area on any floor exceeds 50 percent of that floor area, Section 604.4.1 shall apply throughout the floor. See Exception.
	Smoke alarms	604.4.3	NA		
	BC Fire Protection Systems	BC Chapter 9	R	To comply	This work is required by SUCF
22	**Automatic Sprinkler Systems**	BC 903.2			Approved automatic sprinkler systems in new buildings and structures shall be provided in the locations described in this section.
	Group A	BC 903.2.1	NA		
	Group E	BC 903.2.2	NA		
	Group F-1	BC 903.2.3	NA		
	Group H	BC 903.2.4	NA		
	Group I	BC 903.2.5	NA		
	Group M	BC 903.2.6	NA		
	Group R	BC 903.2.7	NA		

	Group S-1	BC 903.2.8	NA		
	Group S-2	BC 903.2.9	NA		
	All occupancies except Groups R-3 and U	BC 903.2.10	R	Park and Wilber Halls will be fully sprinklered	An automatic sprinkler system shall be installed in the locations set forth in Sections 903.2.10.1 through 903.2.10.1.3.
	Installation Requirements	BC 903.3	R	The installation of the Sprinkler System in Park and Wilber Halls will comply	Automatic sprinkler systems shall be designed in accordance with Sections 903.3.1 through 903.3.7.
	Sprinkler system monitoring and alarms	BC 903.4	R	To comply	All valves controlling the water supply for automatic sprinkler systems, pumps, tanks, water levels and temperatures, critical air pressures and water-flow switches on all sprinkler systems shall be electrically supervised.
	Testing and Maintenance	BC 903.5	R	The system will be in compliance	Sprinkler systems shall be tested and maintained in accordance with the FC.
23	**Means of Egress/Scope**	605.1	R	Egress requirements will be met as a Level 3 Alteration.	The requirements of this section shall be limited to work areas that include exits or corridors shared by more than one tenant within the work area in which Level 2 alterations are being performed, and where specified they shall apply throughout the floor on which the work areas are located or otherwise beyond the work area.
	Number of exists	605.3	R	The required number of exits will be met	The number of exits shall be in accordance with Sections 605.3.1 through 605.3.3.
	Minimum number	605.3.1	R	The required number of exits will be met as a Level 3 Alteration.	Every story utilized for human occupancy on which there is a work area that includes exits or corridors shared by more than one tenant within the work area shall be provided with the minimum number of exits based on the occupancy and the occupant load in accordance with the BC. In addition, the exits shall comply with Sections 605.3.1.1 and 605.3.1.2.
	Single-exit buildings	605.3.1.1	NA		
	Fire escapes required	605.3.1.2	NA		
	Mezzanines	605.3.2	NA		
	Main Entrance –Group A	605.3.3	NA		
	BC Means of Egress	**BC Chapter 10**			
24	**Design occupant load**	BC 1004.1	R	To comply	In determining means of egress requirements, the number of occupants for whom means of egress facilities shall be provided shall be established by the largest number computed in accordance with Sections 1004.1.1 through 1004.1.3
	Actual Number	BC 1004.1.1	R		The actual number of occupants for whom each occupied space, floor or building is designed.
	Number by Table	BC 1004.1.2	R		The number of occupants computed

	1004.1.2				at the rate of one occupant per unit of area as described in Table 1004.1.2
	Number by combination	BC 1004.1.3	R		Where occupants from accessory spaces egress through a primary area, the calculated occupant load for the primary space shall include the total occupant load of the primary space plus the number of occupants egressing through it from the accessory space.
	Increased occupant load	BC 1004.2	NA		
	Posting of occupant load	BC 1004.3	R	All assembly spaces shall have occupant loads posted.	Every room or space that is an assembly occupancy shall have the occupant load of the room or space posted in a conspicuous place, near the main exit or exit access doorway from the room or space. Posted signs shall be of an approved legible permanent design and shall be maintained by the owner or authorized agent.
	Exiting from multiple levels	BC 1004.4	R	To comply	Where exits serve more than one floor, only the occupant load of each floor considered individually shall be used in computing the required capacity of the exits at that floor, provided that the exit capacity shall not decrease in the direction of egress travel.
	Egress convergence	BC 1004.5	R	To comply	Where means of egress from floors above and below converge at an intermediate level, the capacity of the means of egress from the point of convergence shall not be less than the sum of the two floors.
	Mezzanine levels	BC 1004.6	R	To comply	The occupant load of a mezzanine level with egress onto a room or area below shall be added to that room or area's occupant load, and the capacity of the exits shall be designed for the total occupant load thus established.
	Fixed seating	BC 1004.7	R	To comply	For areas having fixed seats and aisles, the occupant load shall be determined by the number of fixed seats installed therein. For areas having fixed seating without dividing arms, the occupant load shall not be less than the number of seats based on one person for each 18 inches of seating length. The occupant load of seating booths shall be based on one person for each 24 inches of booth seating length measured at the backrest of the seating booth.
	Outdoor areas	BC 1004.8	NA		
	Multiple Occupancies	BC 1004.9	R	To comply	Where a building contains two or more occupancies, the means of egress requirements shall apply to

					each portion of the building based on the occupancy of that space. Where two or more occupancies utilize portions of the same means of egress system, those egress components shall meet the more stringent requirements of all occupancies that are served.
25	**Egress Doorways**	605.4	R	To comply	Egress doorways in any work area shall comply with Sections 605.4.1 through 605.4.5.
	Two egress doorways required	605.4.1	R	To comply	Work areas shall be provided with two egress doorways in accordance with the requirements of Sections 605.4.1.1 and 605.4.1.2.
	Occupant load and travel distance	605.4.1.1	R	Two egress doorways will be provided as required	In any work area, all rooms and spaces having an occupant load greater than 50 in which the travel distance to an exit exceeds 75 feet shall have a minimum of two egress doorways. Exceptions: 1. Storage rooms having a maximum occupant load of 10. 2. Where the work area is served by a single exit in accordance with Section 605.3.1.1.
	Group I-2	605.4.1.2	NA		
	Door swing	605.4.2	R	Doors, as required, will swing in the direction of exit travel	In the work area and in the egress path from any work area to the exit discharge, all egress doors serving an occupant load greater than 50 shall swing in the direction of exit travel.
	Supplemental requirements for door swing	605.4.2.1	R	The work area exceeds 50% of the floor area, therefore will comply	Where the work area exceeds 50 percent of the floor area, door swing shall comply with Section 605.4.2 throughout the floor. Exception: Means of egress within or serving only a tenant space that is entirely outside the work area.
	Door closing	605.4.3	R	To comply	In any work area, all doors opening onto an exit passageway at grade or an exit stair shall be self-closing or automatically closing by listed closing devices. Exceptions: 1. Where the exit closure is not required by the BC. 2. Means of egress within or serving only a tenant space that is entirely outside the work area.
	Supplemental requirements for door closing	605.4.3.1	R	To comply	Where the work area exceeds 50% of the floor area, doors shall comply with Section 605.4.3 throughout the

					exit stair from the work area to the level of exit discharge.
	Panic hardware	605.4.4	NA		(Group A assembly requirement)
	Emergency power source in Group I-3	605.4.5	NA		
	Openings in corridor walls	605.5	R	To comply	Openings in any work area shall comply with Section 605.5.1 through 605.5.4 Exception: Openings in corridors where such corridors are not required to be rated in accordance with the BC.
	Corridor doors	605.5.1	R	To comply	Corridor doors in the work area shall not be constructed of hollow core wood and shall not contain louvers. (see further text for dwelling unit language). Exceptions: 1. (See dwelling unit language) 2. (See dwelling unit language) 3. Existing doors in buildings protected throughout with an approved automatic sprinkler system shall be required only to resist smoke, be reasonably tight fitting, and shall not contain louvers. 4. (See dwelling unit language) 5. Door assemblies having a fire-protection rating of at least 20 minutes.
	Transoms	605.5.2	NA		(Group I-1, R-1, and R-2 restrictions)
	Other corridor openings	605.5.3	R	To comply	In any work area, any other sash, grille or opening in a corridor and any window in a corridor not opening to the outside air shall be sealed with materials consistent with the corridor construction.
	Supplemental requirements for other corridor openings	605.5.3.1	R	Work area exceeds 50% of the floor area, therefore will comply	Where the work area exceeds 50% of the floor area, Section 605.5.3 shall be applicable to all corridor windows, grills, sashes and other openings on the floor. Exception: Means of egress within or serving only a tenant space that is entirely outside the work area.
	Supplemental requirements for corridor openings	605.5.4	R	To comply	Where the work area on any floor exceeds 50% of the floor area, the requirements of Sections 605.5.1 through 605.5.3 shall apply throughout the floor.
	Dead-end corridors	605.6	R	To comply. Our project complies with exception 3. However,	Dead-end corridors in any work area shall not exceed 35 feet.

				SUCF does not allow dead end corridors.	Exceptions: 1. Where dead-end corridors of greater length are permitted by the BC. 2. In other than Group A and H occupancies, the maximum length of an existing dead-end corridor shall be 50 feet in buildings equipped throughout with an automatic fire alarm system installed in accordance with the BC. 3. In other than Group A and H occupancies, the maximum length of an existing dead-end corridor shall be 70 feet in buildings equipped throughout with an automatic sprinkler system installed in accordance with the BC.
	Means-of-egress lighting	605.7	R	To comply	Means-of-egress lighting shall be in accordance with this section, as applicable.
	Artificial Lighting required	605.7.1	R	To comply	Means of egress in all work areas shall be provided with artificial lighting in accordance with the requirements of the BC.
	Emergency Illumination	605.7.2	R	To comply with Group B requirement	Means of egress in all work areas shall be provided with emergency lighting. In the event of a power supply failure, illumination shall be automatically provided from an emergency power system for the following occupancies where such occupancies require two or more means of egress: 1. Group A. Exception: Group A occupancies used exclusively as a place of worship and having an occupant load of less than 300. 2. Group B buildings three or more stories in height, buildings with 100 or more occupants above or below the level of exit discharge or buildings with 1,000 or more total occupants. 3. Group E in interior stairs, corridors, windowless areas with student occupancy, shops and laboratories. 4. Group F having more than 100 occupants. 5. Group I. 6. Group M. Exception: Buildings less than 3,000 square feet in gross sales area on one story only,

					excluding mezzanines. 7. Group R-1, R-2, and R-4. Exception: Where each dwelling or sleeping unit has direct access to the outside at ground level. The emergency power system shall provide power for not less than 90 minutes and consist of storage batteries, unit equipment or on-site generator. The installation of the emergency power system shall be in accordance with Section 604 of the FC.
	Supplemental requirements for means-of-egress lighting	605.7.3	R	To comply	Where the work area on any floor exceeds 50% of that floor area, means of egress throughout the floor and exits therefrom shall comply with Section 605.7.1 and 605.7.2. Exception: Means of egress within or serving only a tenant space that is entirely outside the work area.
	Exit signs	605.8	R	To comply	Exit signs shall be in accordance with this section, as applicable.
	Work areas	605.8.1	R	To comply	Means of egress in all work areas shall be provided with exit signs in accordance with the requirements of the BC.
	Supplemental requirements for exit signs	605.8.2	R	To comply	Where the work area on any floor exceeds 50% of that floor area, means of egress throughout the floor shall comply with Section 605.8.1. Exception: Means of egress within a tenant space that is entirely outside the work area.
	Handrails	605.9	R	To comply	The requirements of Section 605.9.1 and 605.9.2 shall apply to handrails from the work area floor to the level of exit discharge.
	Minimum requirement	605.9.1	R	To comply	Every required exit stairway that is part of the means of egress for any work area and that has three or more risers and is not provided with at least one handrail, or in which the existing handrails are judged to be in danger or collapsing, shall be provided with handrails for the full length of the run of step on at least on side. All exit stairways with a required egress width of more than 66 inches shall have handrails on both sides.
	Design	605.9.2	R	To comply	Handrails in accordance with Section 605.9.1 shall be designed and installed in accordance with the provisions of the BC.
	Guards	605.10	R	To comply	The requirements of Sections 605.10.1 and 605.10.2 shall apply to guards from the work area floor to

					the level of exit discharge but shall be confined to the egress path of any work area.
	Minimum requirement	605.10.1	R	To comply	Every open portion of a stair, landing, or balcony that is more than 30 inches above the floor grade below and is not provided with guards, or those portions in which existing guards are judged to be in danger of collapsing, shall be provided with guards.
	Design	605.10.2	R	To comply	Guards required in accordance with Section 605.10.1 shall be designed and installed in accordance with the BC.
	Elevators, escalators and moving walks	605.11	R	The elevators will not be used as a component of required means of egress.	Elevators, escalators and moving walks shall not be used as a component of a required means of egress. Exceptions: 1. Elevators used as an accessible means f egress, where allowed in Section 1007.4 of the BC. 2. Previously approved escalators and moving walks in existing buildings.
26	**General**	606.1	R	To comply	A building, facility, or element that is altered shall comply with Section 506.
	Stairs and escalators in existing buildings	606.2	NA		In alterations where an escalator or stair is added where none existed previously, an accessible route shall be provided in accordance with Sections 1104.4 and 1104.5 of the BC
	Dwelling units and sleeping units	606.3	NA		Where Group I-1, I-2, I-3, R-1, R-2, or R-4 dwelling units or sleeping units are being added the requirements of Section 1107 of the BC for accessible units or Type B units and Chapter 9 of the BC for accessible alarms apply only to the quantity of spaces being added.
27	**Structural, General**	607.1	R	The structure will not be affected.	Where alteration work includes installation of additional equipment that is structurally supported by the building or reconfiguration of space such that portions of the building become subjected to higher gravity loads as required by Tables 1607.1 and 1607.6 of the BC, the provisions of this section shall apply. Seismic provisions of this chapter shall apply only to buildings built after January 1, 2003.
	Reduction of strength	607.2	R	The structure will not be affected.	Alterations shall not reduce the structural strength or stability of the building, structure or any individual member thereof.

					Exception: Such reduction shall be allowed as long as the strength and the stability of the building are not reduced to below the BC.
	New Structural members	607.3	R	To comply	New structural members in alterations, including connections and anchorage, shall comply with the BC.
	Existing structural members	607.4	R	To comply	Existing structural components supporting additional equipment or subjected to additional loads based on BC Tables 1607.1 and 1607.6 as a result of a reconfiguration of spaces shall comply with Sections 607.4.1 through 607.4.3.
	Gravity loads	607.4.1	R	To comply	Existing structural elements supporting any additional gravity loads as a result of additional equipment or space reconfiguration shall comply with the BC. Exceptions: 1. Structural elements whose stress is not increased by more than 5 percent. 2. Buildings of Group R occupancy with not more than five dwelling units or sleeping units used solely for residential purposes where the existing building and its alteration comply with the conventional light-frame construction methods of the BC or the provisions of the Residential Code of New York State.
	Lateral loads	607.4.2	R	The structure will not be affected.	Buildings in which Level 2 alterations increase the seismic base shear by more than 5 percent shall comply with the structural requirements specified in Section 707.
	Snow drift loads	607.4.3	R	To comply	Any structural element of an existing building subjected to additional loads from the effects of snow drift as a result of additional equipment shall comply with the BC. Exceptions: 1. Structural elements whose stress is not increased by more than 5 percent. 2. Buildings of Group R occupancy with no more than five dwelling units or sleeping units used solely for residential purposes where the existing building and its alteration comply with the conventional light-

					frame construction methods of the BC or the provisions of the Residential Code of New York State.
28	**Electrical, New installations**	608.1	R	To comply	All newly installed electrical equipment and wiring relating to work done in any work area shall comply with the materials and methods requirements of Chapter 5. Exception: Electrical equipment and wiring in newly installed partitions and ceilings shall comply with all applicable requirements of NFPA 70.
	Existing installations	608.2	R	To comply	Existing wiring in all work areas in Group A-1, A-2, A-5, H and I occupancies shall be upgraded to meet the materials and methods requirements of Chapter 5.
	Residential occupancies	608.3	NA		In Group R-2, R-3 and R-4 occupancies and buildings regulated by the Residential Code of New York State, the requirements of Sections 608.3.1 through 608.3.7 shall be applicable only to work areas located within a dwelling unit.
	Enclosed areas	608.3.1	NA		All enclosed areas, other than closets, kitchens, basements, garages, hallways, laundry areas, utility areas, storage areas and bathrooms shall have a minimum of two duplex receptacle outlets or one duplex receptacle outlet and one ceiling or wall-type lighting outlet.
	Kitchens	608.3.2	NA		Kitchen areas shall have a minimum of two duplex receptacle outlets.
	Laundry areas	608.3.3	NA		Laundry areas shall have a minimum of one duplex receptacle outlet located near the laundry equipment and installed on an independent circuit.
	Ground fault circuit interruption	608.3.4	NA		Newly installed receptacle outlets shall be provided with ground fault circuit interruption as required by NFPA 70.
	Minimum lighting outlets	608.3.5	NA		At least one lighting outlet shall be provided in every bathroom , hallway, stairway, attached garage and detached garage with electric power, and to illuminate outdoor entrances and exits.
	Utility rooms and basements	608.3.6	NA		At least one lighting outlet shall be provided in utility rooms and basements where such spaces are used for storage or contain equipment requiring service.
	Clearance for equipment	608.3.7	NA		Clearance for electrical service equipment shall be provided in accordance with NFPA 70.
29	**Reconfigured or converted spaces**	609.1	R	To comply	All reconfigured spaces intended for occupancy and all spaces converted to habitable or occupied space in any

					work area shall be provided with natural or mechanical ventilation in accordance with the MC. Exception: Existing mechanical ventilation systems shall comply with the requirements of Section 609.2.
	Altered existing systems	609.2	R	To comply	In mechanically ventilated spaces, existing mechanical ventilation systems that are altered, reconfigured, or extended shall provide not less than 5 cubicle feet per minute (cfm) ($0.0024 m^3/s$) per person of outdoor air and not less than 15 cfm ($0/0071 m^3/s$) of ventilation air per person; or not less than the amount of ventilation air determined by the Indoor Air Quality Procedure of ASHRAE 62.
	Local exhaust	609.3	R	To comply	All newly introduced devices, equipment, or operations that produce airborne particulate matter, odors, fumes, vapor, combustion products, gaseous contaminants, pathogenic and allergenic organisms, and microbial contaminants in such quantities as to affect adversely or impair health or cause discomfort to occupants shall be provided with local exhaust.
30	**Minimum fixtures**	610.1	R	To comply	Where the occupant load of the story is increased by more than 20 percent, plumbing fixtures for the story shall be provided in quantities specified in the PC based on the increased occupant load.
	Alterations Level 3				
31	**Scope**	701.1	R	To comply	Level 3 alterations as described in Section 305 shall comply with the requirements of this chapter.
	Compliance	701.2	R	To comply	In addition to the provisions of this chapter, work shall comply with all of the requirements of Chapters 5 and 6. The requirements of Sections 603, 604, and 605 shall apply within all work areas whether or not they include exits and corridors shared by more than one tenant and regardless of the occupant load. Exception: Buildings in which the reconfiguration of space affecting exits or shared egress access in exclusively the result of compliance with the accessibility requirements of Section 506.2 shall not be required to comply with this chapter.
32	**High-rise buildings**	702.1	NA		Any building having occupied floors more than 75 feet above the lowest level of fire department vehicle access shall comply with the requirements of Sections 702.1.1 and

					702.1.2.
	Recirculating air or exhaust systems	702.1.1	NA		When a floor is served by a recirculating air or exhaust system with a capacity greater than 15,000 cubic feet per minute ($701m^3/s$), that system shall be equipped with approved smoke and heat detection devices installed in accordance with the MC.
	Elevators	702.1.2	NA		Where there is an elevator or elevators for public use, at least one elevator serving the work area shall comply with Section 607.1 of the FC.
	Boiler and furnace equipment rooms	702.2	R	To comply	Boiler and furnace equipment rooms adjacent to or within the following facilities shall be enclosed by 1-hour fire-resistance-rated construction: day nurseries, children's shelter facilities, residential childcare facilities, and similar facilities with children below the age of $2^1/_2$ years or that are classified as Group I-2 occupancies, shelter facilities, residences for the developmentally disabled, group homes, teaching family homes, transitional living homes, rooming and barding houses, hotels and multiple dwellings. Exceptions: 1. Furnace and boiler equipment of low-pressure type, operating at pressures of 15 pounds per square inch gauge (psig) 103.44 KPa) or less for steam equipment or 170 psig (1171 KPa) or less for hot water equipment, when installed in accordance with manufacturer recommendations. 2. Furnace and boiler equipment of residential R-3 type with 200,000 British thermal units (Btu) ($2.11x10^8J$) per hour input rating or less is not required to be enclosed. 3. Furnace rooms protected with automatic sprinkler protection.
	Emergency controls	702.2.1	NA	No boilers or mechanical rooms. Use Campus steam for heating.	Emergency controls for boilers and furnace equipment shall be provided in accordance with the MC in all buildings classified as day nurseries, children's shelter facilities, residential childcare facilities, and similar facilities with children below the age of $2^1/_2$ years or that are classified as Group I-2 occupancies, and in group homes, teaching family

					homes, and supervised transitional living homes in accordance with the following: 1. Emergency shutoff switches for furnaces and boilers in basements shall be located at the top of the stairs leading to the basement; and 2. Emergency shutoff switches for furnaces and boilers in other enclosed rooms shall be located outside of such room.
	Nightclubs	702.3	NA		Where existing nightclubs contain or are located within Level 3 alteration work areas, the building or portion thereof in which the nightclub is located shall comply with the provisions of this subdivision.
		702.3.1	NA		Interior finishes in nightclubs and the means of egress therefrom shall be in conformance with Table 803.4 of the BC.
		702.3.2	NA		Where an automatic sprinkler system is required to be installed by Section 903 of the BC, an adequate water supply shall be deemed to be available where the automatic sprinkler system can be designed and installed without installation of a fire pump. Where an adequate water supply is not available, the code enforcement official may accept alternative means for protecting occupants. A written report shall be prepared and submitted by a registered design professional which provides documentation that the proposed alternatives(s) meet this performance standard.
		702.3.3	NA		Where an automatic fire detection system is required to be installed by Section 907 of the BC, it shall be installed in conformance with the provisions of Section 907.2.1 of the FC.
		702.3.4	NA		The means of egress from nightclubs shall be in conformance with Section 1010 of the FC. Existing nightclubs required to conform with provisions of the Uniform Fire Prevention and Building code in effect on and after January 1, 1984 shall not be required to conform with Section 1010.
33	**Existing shafts and vertical openings**	703.1	R	To comply	Existing stairways that are part of the means of egress shall be enclosed in accordance with Section 603.2.1 between the highest work area floor and the level of exit discharge and all floors below.
	Fire Partitions in Group R-3	703.2	NA		Fire separation in Group R-3 occupancies shall be in accordance

					with Section 703.2.1.
	Separation required	703.2.1	NA		Where the work area is in any attached dwelling unit in Group R-3 or any multiple single family dwelling (townhouse), walls separating the dwelling-units that are not continuous from the foundation to the underside of the roof sheathing shall be constructed to provided a continuous fire separation using construction materials consistent with the existing wall or complying with the requirements for new structures. All work shall be performed on the side of the dwelling unit wall that is part of the work area. Exception: Where alterations or repairs do not result in the removal of wall or ceiling finishes exposing the structure, walls are not required to be continuous through concealed floor spaces.
	Interior finish	703.3	R	To comply	Interior finish in exits serving the work area shall comply with Section 603.4 between the highest floor on which there is a work area to the floor of exit discharge.
34	**Automatic sprinkler systems**	704.1	R	To comply	Automatic sprinkler systems as required and in accordance with the BC shall be provided in all work areas.
	High-rise buildings	704.1.1	NA		In high-rise buildings, work areas shall be provided with automatic sprinkler protection where the building has a sufficient municipal water supply system to the site. Where the work area exceeds 50 percent of floor area, sprinklers shall be provided in the specified areas where sufficient municipal water supply for design and installation of a fire sprinkler system is available at the site.
	Rubbish and linen chutes	704.1.2	NA		Rubbish and linen chutes located in the work areas shall be provided with sprinklered protection where protection of the rubbish and linen chute would be required under the provisions of the BC for new construction and the building has sufficient municipal water supply available to the site.
	Fire alarm and detection systems	704.2	R	To comply	Fire alarm and detection systems complying with Sections 604.4.1 and 604.4.3 shall be provided throughout the building in accordance with the BC.
	Manual fire alarm systems	704.2.1	NA	Providing automatic fire alarm system	In group A, B, E, F, H, I, M, R-1 and R-2 occupancies a manual fire alarm system shall be provided on all floors in the work area. Alarm notification

					appliances shall be provided on such floors and shall be automatically activated as required by the BC. Exceptions: 1. Where the BC does not require a manual fire alarm system. 2. Alarm-initiating and notification appliances shall not be required to be installed in tenant spaces outside of the work area. 3. Visual alarm notification appliances are not required, except where an existing alarm system is upgraded or replaced or where a new fire alarm system is installed.
35	**General**	705.1	R	To comply	The means of egress shall comply with the requirements of Section 605 except as specifically required in Sections 705.2 and 705.3.
	Means-of-egress lighting	705.2	R	To comply	Means of egress from the highest work area floor to the floor of exit discharge shall be provided with artificial lighting within the exit enclosure in accordance with the requirements of the Building Code of New York State.
	Exit signs	705.3	R	To comply	Means of egress from the highest work area floor to the floor of exit discharge shall be provided with exit signs in accordance with the requirements of the BC.
363	**General**	706.1	R	To comply	A building, facility or element that is altered shall comply with Section 506.
	Type B units	706.2	NA		Where more than four Group R-2 or R-3 dwelling units or sleeping units are being altered, 25 percent shall comply with Section 1107.6 of the BC. Exception: Buildings without elevator service where the lowest story containing Group R-2 or R-3 dwelling units is not the ground floor.
37	**General**	707.1	R	To comply	Where buildings are undergoing Level 3 alterations including structural alterations, the provisions of this section shall apply. Seismic provisions of this chapter shall apply only to buildings built after January 1, 2003, except parapet bracing referred to in Section 707.8 shall apply to all buildings undergoing Level 3 alterations.
	Reduction of strength	707.2	R	To comply	Alterations shall not reduce the structural strength or stability of the building, structure, or any individual

					member thereof. Exception: Such reduction shall be allowed provided that the structural strength and the stability of the building are not reduced to below the BC levels.
	New Structural members	707.3	R	To comply	New structural members in alterations, including connections and anchorage, shall comply with the BC.
	Minimum design loads	707.4	R	To comply	The minimum design loads on existing elements of a structure that do not support additional loads as a result of an alteration shall be the loads applicable at the time the building was constructed
	Structural alterations	707.5	R	To comply	Buildings and structures undergoing structural alterations or buildings in which the seismic base shear is increased by more than 5 percent because of alterations shall comply with this section.
	Evaluation and analysis	707.5.1	R	To comply	An engineering evaluation and analysis that establishes the structural adequacy of the altered structure shall be prepared by a registered design professional and submitted to the code enforcement official. Where more than 30 percent of the total floor and roof areas of the building or structure has been or is proposed to be involved in structural alteration within a 12-month period, the evaluation and analysis shall demonstrate that the altered building or structure complies with the BC for wide loading and with reduced BC level seismic forces as specified in Section 407.1.1.3 for seismic loading. For seismic considerations, the analysis shall be based on one of the procedures specified in Section 407.1.1.1. The areas to be counted toward the 30 percent shall be those areas tributary to the vertical load-carrying components such as joists, beams, columns, walls, and other structural components that have been or will be removed, added, or altered, as well as areas such as mezzanines, penthouses, roof structures, and in-filled courts and shafts. Exceptions: 1. Buildings of Group R occupancy with no more than five dwelling units or sleeping units used solely for residential purposes that are altered based on the conventional light-frame

					construction methods of the Building Code of New York State or in compliance with the provisions of the Residential Code of New York State. 2. Where such alterations involve only the lowest story of a building and the change of occupancy provisions of Chapter 8 do not apply, only the lateral – force-resisting components in and below that story need comply with this section.
	Limited structural alteration	707.5.2	R	To comply	Where not more than 30 percent of the total floor and roof areas of the building is involved in structural alteration within a 12 month period, the evaluation and analysis shall demonstrate that the altered building or structure complies with the loads applicable at the time the building was constructed.
	Additional vertical loads	707.6	T	To comply	Where gravity loading is increased on the roof or floor of a building or structure, all structural members affected by such increase shall meet the gravity load requirements of the BC. Exceptions: 1. Structural elements whose stress is not increased by more than 5 percent. 2. Buildings of Group R occupancy with no more than five dwelling units or sleeping units used solely for residential purposes that are altered based on the conventional light-frame construction methods of the BC or in compliance with the provisions of the Residential Code of New York State.
	Voluntary lateral-force-resisting system alterations	707.7	R	To comply	Alterations of existing structural elements that are initiated for the purpose of increasing the lateral-force-resisting strength or stiffness of an existing structure and that are not required by other sections of this code shall not be required to be designed for forces conforming to the BC provided that an engineering analysis is submitted to show that: 1. The capacity of existing structural elements required to resist forces is not reduced;

					2. The lateral loading to existing structural elements is not increased beyond their capacity; 3. New structural elements are detailed and connected to the existing structural elements as required by the BC. 4. New or relocated nonstructural elements are detailed and connected to existing or new structural elements as required by the BC, and 5. A dangerous condition as defined in this code is not created. Voluntary alterations to lateral-force-resisting systems conducted in accordance with Appendix A and the referenced standards of this code shall be permitted.
	Parapet bracing and wall anchors	707.8	R	To comply	For buildings of seismic Use Group III classification as defined in the Building code of New York State, unreinforced masonry bearing wall buildings classified as Seismic Design Category D, E or F shall have parapet bracing and wall anchors installed at the roof line. Such parapet bracing and wall anchors shall be designed in accordance with the reduced Building Code of New York State level seismic forces as specified in Section 401.1.1.3 and design procedures of Section 407.1.1.1.
	Additions	Chapter 9			
38	**Scope**	901.1	R	To comply	An addition to a building or structure shall comply with the building, plumbing, electrical and mechanical codes, without requiring the existing building or structure to comply with any requirements of those codes or of these provisions. Exception: In flood hazard areas, the existing building is subject to the requirements of Section 903.5.
	Creation or extension of nonconformity	901.2	R	To comply	An addition shall not create or extend any nonconformity in the existing building to which the addition is being made with regard to accessibility, structural strength, fire safety, means of egress or the capacity of mechanical, plumbing or electrical systems.
	Other work	901.3	R	Per Section 305, the alteration work is to be classified as Alteration	Any repair or alteration work within an existing building to which an addition is being made shall comply

				– Level 3	with the applicable requirements for the work as classified in Chapter 3.
39	**Height limitations**	902.1	R	To comply. Per Table 503, a Group B Occupancy of Type IIB Construction shall be limited to: Height: 55 feet + 20 feet for sprinkler increase = 75 feet. Stories: 4 + 1 for sprinkler increase = 5 Area: 23,000 SF + 200% sprinkler increase = 46,000 SF	No addition shall increase the height of an existing building beyond that permitted under the applicable provisions of Chapter 5 of the BC for new buildings.
	Area limitations	902.2	R	To comply. Per Table 503, a Group B Occupancy of Type IIB Construction shall be limited to: Height: 55 feet + 20 feet for sprinkler increase = 75 feet. Stories: 4 + 1 for sprinkler increase = 5 Area: 23,000 SF + 200% sprinkler increase = 46,000 SF	No addition shall increase the area of an existing building beyond that permitted under the applicable provisions of Chapter 5 of the BC for new buildings unless fire separation as required by the BC is provided. Exceptions: 1. In-filling of floor openings and nonoccupiable appendages such as elevator and exit stair shafts shall be permitted beyond that permitted by the BC. 2. Existing one – and two-story buildings shall be permitted by up to 25 percent of the existing floor area, not to exceed an area of 125 percent of that permitted by the BC, without providing fire separation.
	Fire protection systems	902.3	R	To comply	Existing fire areas increased by the addition shall comply with Chapter 9 of the BC.
40	**Structural; Compliance with the Building code of New York State**	903.1	R	To comply	Additions to existing buildings or structures are new construction and shall comply with the BC.
	Additional gravity loads	903.2	R	To comply	Existing structural elements supporting any additional gravity loads as a result of additions shall comply with the BC. 1. Structural elements whose stress is not increased by more than 5 percent 2. Buildings of Group R occupancy with no more than five dwelling units or sleeping units used solely for residential purposes where the existing building and the addition comply with the conventional light-frame construction methods of the BC or the provisions of Residential Code of New

					York State.
	Lateral-force-resisting system	903.3	R	To comply	The lateral-force-resisting system of existing buildings to which additions are made shall comply with Sections 903.3.1, 903.3.2, and 903.3.3. Exceptions: 1. In Type V construction, Group R occupancies where the lateral-force story shear in any story is not increased by more than 10 percent. 2. Buildings of Group R occupancy with no more than five dwelling units or sleeping units used solely for residential purposes where the existing building and the addition comply with the conventional light-frame construction methods of the BC or the provisions of the Residential Code of New York State. 3. Additions where the lateral-force story shear in any story is not increased by more than 5 percent.
	Vertical addition	903.3.1	R	To comply	Any element of the lateral-force-resisting system of an existing building subjected to an increase in vertical or lateral loads from the vertical addition shall comply with the lateral load provisions of the BC. Exception: Existing buildings built prior to January 1, 2003, and their vertical additions are exempt from the seismic requirements of the BC.
	Horizontal addition	903.3.2	R	To comply	Where horizontal additions are structurally connected to an existing structure, all lateral-force-resisting elements of the existing structure affected by such addition shall comply with the lateral load provisions of the BC. Lateral loads imposed on the elements of the existing structure and the addition shall be determined by a relative stiffness analysis of the combined structure including torsional effects. Exception: Building built prior to January 1, 2003, but not their horizontal addition are exempt from the seismic requirements of the BC.
	Voluntary addition of structural elements to improve the lateral-force-resisting system	903.3.3	R	To comply	Voluntary addition of structural elements to improve the lateral-force-resisting system of a building shall comply with Section 707.7.
	Snow drift loads	903.4	R	To comply	Any structural element of an existing building subjected to additional loads

					from the effects of snow drift as a result of an addition shall comply with the BC. Exceptions: 1. Structural elements whose stress is not increased by more than 5 percent. 2. Buildings of Group R occupancy with no more than five dwelling units or sleeping units used solely for residential purposes where the existing building and the addition comply with the conventional light frame construction methods of the BC or the provisions of the Residential Code of New York State.
	Flood hazard areas	903.5	NA		Additions and foundations in flood hazard areas shall comply with the following requirements: 1. For horizontal additions that are structurally interconnected to the existing building: 1.1. If the addition and all other proposed work, when combined, constitute substantial improvement, the existing building and the addition shall comply with Section 1612 of the BC. 1.2. If the addition constitutes substantial improvement, the existing building and the addition shall comply with Section 1612 of the BC. 2. For horizontal additions that are not structurally interconnected to the existing building: 2.1. The addition shall comply with Section 1612 of the BC. 2.2. If the addition and all other proposed work, when combined, constitute substantial improvement, the existing building and the addition shall comply with Section 1612 of the BC. 3. For vertical additions and all other proposed work that, when combined, constitute substantial improvement, the existing building shall comply with Section 1612 of the BC.

					place in these distinct and separate spaces within the building do not require accessible interior circulation.
	7c.	Directive 1B-2			More than one accessible primary entrance per building should be considered if: 1) The major accessible pedestrian approaches are at opposite ends of the building and the exterior circulation path is over 200 feet. 2) The vehicular and pedestrian paths of travel are distinct and separate. In this case the second entrance to be made accessible might be a service entrance; if this entrance provides the closest access and care is taken so that the safety of the handicapped person is insured and the path of travel from this service entrance into the building is not through hazardous or service space, other than a service corridor.
	Lightning Protection	Directive 1B-3			
	1.	Directive 1B-3			The hazard to life in buildings is usually not due to a direct strike (electrocution), but rather to fires as a result of such strikes. Data from the *"Fire Protection Handbook"* indicates that only 2.4% of all fires are caused by lightning strikes. The percentage is much higher in rural and suburban areas than in urban locations.
	2.	Directive 1B-3	R	To comply	The Consultant shall prepare a risk assessment for each project using NFPA No. 780, Standard for the Installation of Lightning Protection Systems.
	3.	Directive 1B-3			Fund policy is to review each project, in line with the above, and make a determination of the need for any lightning protection, and if any, the extent of the system to be provided.
	4.	Directive 1B-4			All projects that have a risk assessment of "severe" shall be provided with lightning protection. When the risk assessment is moderate to severe, the Fund shall make a judgment on an individual project basis.
	Earthquake Design Requirements	Directive 1B-4			

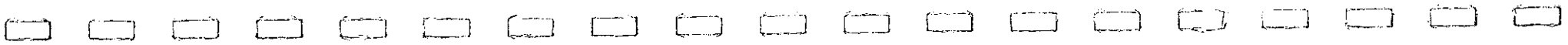
	1.	Directive 1B-4			The Consultant(s) commissioned to design SUCF projects shall, at Schematic Phase Design stage, include all applicable structural and non-structural components design recommendations required by accepted engineering standards in relation to the specifics of the project, with consideration of the latest Federal or State seismic data of the area.
	2.	Directive 1B-4			Retrofitting existing construction shall not be required unless required by the Building Codes (See Directive 1B-1).
	3.	Directive 1B-4			The recommendation should be based on the analysis of current codes, and the Report should describe as fully as possible the construction cost involved with the provisions being recommended.
	Special Structural Requirements for Academic Facilities	Directive 1B-5			Regardless of code requirements, Academic Buildings (laboratory, Research, classroom, office, etc.) are to be designed for uniformly distributed load of a minimum of one hundred pounds per square foot unless a greater loading is stipulated in the Facilities Program, required by specific design conditions, or required by Building Codes. Exception: Retrofitting existing construction shall not be required unless required by the Program, specific design conditions, or the Building Codes.
	Energy Conservation Program	Directive 1B-6			
	1.	Directive 1B-6			Energy Conservation Requirements And Procedures a. Energy Conservation Requirements: The following energy conservation requirements are mandatory on all buildings in addition to and in accordance with the Energy Conservation Construction Code of New York State and Directive 1B-7, "Executive Order No. 111."
	1a.	Directive 1B-6			Architectural a. Design accordingly for climate zone of project. b. Metal window frames shall be constructed with thermal barriers. Operable windows shall be provided in all glazed areas in occupied spaces and shall be key

					locked. c. Vestibules should be provided where a door separates space from the exterior. Revolving doors should be considered in instances where a vestibule would prove to be impractical. See Code exceptions. d. Provide doors with closers and weather stripping between conditioned and non-conditioned spaces and at all exterior doors. e. Provide overhangs or architectural shading devices to protect glass areas wherever practical. See window projection factor required for particular climate zone. Give recognition to solar orientation in amount of glazing provided in each elevation. f. Architectural design shall consider the potential for passive solar heating and day lighting with respect to energy conservation. Skylights may be used as part of a carefully engineered day lighting system if it can be shown lighting savings will exceed HVAC losses, and the skylights do not leak. g. Where soil and ground water conditions permit, basement areas may be used for program areas that do not require windows.
	1b.	Directive 1B-6			HVAC System Requirements (See Directive 15H-1 General HVAC Requirements)
			R	To comply	1. Select HVAC equipment as close as possible to calculated loads and in no case use equipment whose output exceeds 125% of Design Load.
			R	To comply	2. Provide make-up air for all fume hoods. Air supply shall be regulated in proportion to the number of hoods in operation. See Directive 15H-8, "Laboratory Design" for additional requirements.
			R	To comply	3. HVAC air systems shall be

					designed to use the minimum outdoor air in all heating and cooling seasons. Systems shall also be designed to include a 100% outdoor air "economizer operating mode."
			R	To comply	4. HVAC systems shall incorporate automatic warm-up and shut-down cycle and enthalpy control of outside air cooling cycle.
			R	To comply	5. The use of variable air volume systems, variable speed drives, and variable volume boxes shall be considered for all air handling systems.
			R	To comply	6. Heat recovery devices for all significant exhaust systems shall be provided where economically feasible based on cost benefit studies and where required by NYS ECCC.
			R	To comply	7. Central fan systems shall be designed so that operation is not required during unoccupied periods.
			R	To comply	8. Separate units or systems shall be provided for areas that have large or transient occupancies and/or substantially different operating hours from adjacent areas.
	1c.	Directive 1B-6			Ventilation Requirements
			R	To comply	1. Provide filters with the lowest possible resistance.
			R	To comply	2. Filter gauges shall be provided at all filters to prevent excessive pressure drops before changing.
			R	To comply	3. Toilet exhaust fans for individual toilets shall be wired to lighting circuits so that fans operate only when rooms are in use.
			R	To comply	4. Means shall be provided for automatically starting and stopping fans and systems. Provide temperature compensated start/stop controls for fans in non-critical areas.
	1d.	Directive 1B-6			Heating and Cooling Requirements:
			R	To comply	1. Thermostats shall be tamperproof and vandal-proof type. Thermostats functioning for both heating

					energize heaters during unoccupied or night periods. 3. Domestic hot water shall be generated and distributed at the lowest possible temperature to minimize losses. Point of use maximum hot water temperature is 120°F. Where higher temperatures are required, local booster heaters should be provided. 4. All shower facilities shall have water saver nozzle and controls.
	2.	Directive 1B-6	R	To comply	Procedures: The following procedures are mandatory for all buildings: a. All Architectural Concept and Schematic Phase submissions shall include Building Shape Efficiency Factors and Glass Ratio Factors as follows: (1) Building Shape Efficiency Factor (BSEF) is the ratio of the area all exterior surfaces (walls, roofs, cantilevered floors) to the gross area. (2) Glass Ratio Factor (GRF) is the ratio of the area of all masonry openings (windows entrance-ways, clerestories) to the gross area. (3) Designs shall not exceed the following objectives without Fund approval which will be documented in the Schematic Report Phase approval letter: Primary Use of building — BSEF — GRF Classroom, Office — .80 — .10 Laboratory, Health Science — .70 — .08 Music, Theater, Lecture Center — .80 — .05 Library, Student Activities — .70 — .06 Gymnasium, Service Bldgs., Warehouse, Garage — 1.50 — .03 b. All Phase Reports shall contain a section on Energy Conservation describing all steps that have been taken in the building design to conserve energy. A detailed list shall be submitted in direct response to each section of the Fund's program. c. Additional energy conservation steps beyond those listed above, such as heat recovery systems, will be utilized whenever economically feasible. The Consultant should

					submit proposals for cost-benefit studies for such systems prior to approval of the Schematic Report.
			R	To comply	d. Heat recovery system to be provided at laboratory buildings and for systems that do not recirculate exhaust air back into building.
					e. Refer to Directive 1B-7, "Executive Order No. 111", for Green Building Program and LEED criteria.
			R	To comply	f. At Pre-Bid submission, the Consultant shall provide complete LEED checklist and narrative, final DOE energy modeling analysis, according to Green Building Directive.
	Executive Order No. 111	Directive 1B-7	R	To comply	Executive Order No. 111 (EO 111) for "Green and Clean" State Buildings and Vehicles Guidelines was issued June 2001 (second edition issued December 2004). The State University Construction Fund is required to comply with the requirements set forth in EO 111, as detailed in the following items.



6. Conceptual Design

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6. Conceptual Design

Overview

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CONCEPTUAL DESIGN OVERVIEW

Graphic Analysis

After initial interviews with the Dean of the School of Education, Department Chairs, and Faculty members and staff, existing condition 3D graphics were developed to achieve a better understanding regarding the location of existing Departments relative to the building complex and each other. An Optimized Organizational Function diagram was then developed to capture how the School of Education Departments function separately and as a whole relative to the School of Education and the campus in the future. This diagram aided further discussions and was a stepping stone to the Bubble Diagram. Once the Detailed Space Program was defined, a Bubble Diagram was developed as a to-scale graphic representation of the Detailed Space Program; a more user friendly way of checking the requested Program needs. This diagram was reviewed by the administration, revised as was found necessary, and became the foundation for Conceptual Design.

Conceptual Design

In "Spring 2000", the findings from the JMC/Kaiser Program Study Report indicated that the program as presented at that time would be fully accommodated in Park and Wilber Halls. Since that time, there have been Departmental and curriculum changes that now indicated otherwise. Park and Wilber Halls have 90,101 NSF available with Program needs of 94,766 NSF; a deficiency of 4,665 SF. With an average five year projected growth rate of 105%, 99,504 NSF will need to be accommodated in the buildings; a deficiency of 9,403 SF. Due to space needs, phasing, improving accessibility, safety, ventilation, and providing sound isolation, modest additions have been proposed to accommodate a unified School of Education entrance between Park and Wilber Halls and a Technology Lab Suite addition onto the one story wing of Wilber Hall.

As indicated above, since the last program study, there have been changes regarding how students and faculty members interact. Students are engaged in more group activities, student and faculty interaction has increased, and use of classrooms and labs after scheduled class times have increased. Because of this, gathering spaces along the corridor spine have been introduced to further enhance student learning outside of the classroom setting.

Third Floor

The Dean's Suite and office suites for Health Promotion and Wellness, Field Placement Office, Vocational Teach Preparation, and a few faculty offices for Curriculum and Instruction can be accommodated on the third floor of Wilber Hall. It is proposed that the Dean's Suite and Health Promotion and Wellness Suite remain in the same location for functionality and cost saving measures.

The BOCES suite, Educational Administration office suite, three Classrooms and two adjunct offices can be accommodated on the third floor of Park Hall. It is proposed that the BOCES suite, Educational Administration office suite, and Auditorium remain in the same location for functionality and cost saving measures.

Second Floor

Curriculum and Instruction offices, centers, and two classrooms can be accommodated on the second floor of Wilber Hall, where they are currently located. It is proposed they be rearranged to better accommodate how each space functions, and to improve access to each space.

The second floor of Park Hall can accommodate Technology Education labs and classrooms. It is proposed the Technical Drawing/CAD lab and Communication Systems Lab remain in the same general location for functionality and cost saving measures. It is proposed that the Technology Design lab be located at the north end of Park Hall as it is an appropriate function to be located beneath the Auditorium.

First Floor

Curriculum and Instruction offices, administrative suites, and two large classrooms are currently located on the first floor of Wilber Hall. Because this area was recently renovated and functions well, it is recommended these spaces remain where

they are with minor finish renovations if necessary. Based on discussions with the School, it is proposed that the current Curriculum and Instruction Advisement Center also become the Advisement Center for Technology Education, Vocational Teacher Preparation, and Health Promotion and Wellness Departments.

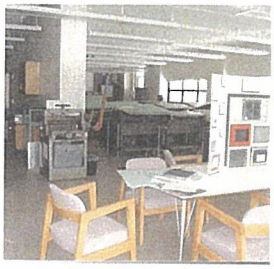
At the one story Wilber Hall wing, an addition is proposed to provide a Technology lab suite that will accommodate space needs, accessibility improvements, safety issues, proper ventilation is currently lacking), sound and odor isolation from more sensitive functions, relocation from "main street", and phasing considerations. Phasing considerations are important because this building will be occupied during construction and construction swing space is necessary.

Another addition is proposed as a first floor link between Park and Wilber Halls. Currently, the main entries to Park and Wilber Halls are not at grade, creating a significant accessibility issue. Also, a service entrance is located here between the two buildings, creating an unsafe area for student access. A main School of Education entrance and lobby space is proposed here which will connect Park and Wilber Hall lobbies at grade, and further expresses the identity and unification of the School. While this lobby also visibly connects east and west to the Science building and Rich Hall, further connecting with the campus as a whole, it provides for a much safer student access between the buildings.

Technology Education labs, administrative suite, and a classroom can be accommodated at the first floor of Park Hall. It is proposed the Transportation Systems lab remain in the same location due to the specialized space needs and function of the lab.

Basement Floor

An Applied Instructional lab and three Large Group Instruction classrooms can be accommodated in the basement of Wilber Hall. Based on funding and phasing considerations, the Large Group Instruction classrooms can be constructed at a later date.



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Graphic Analysis

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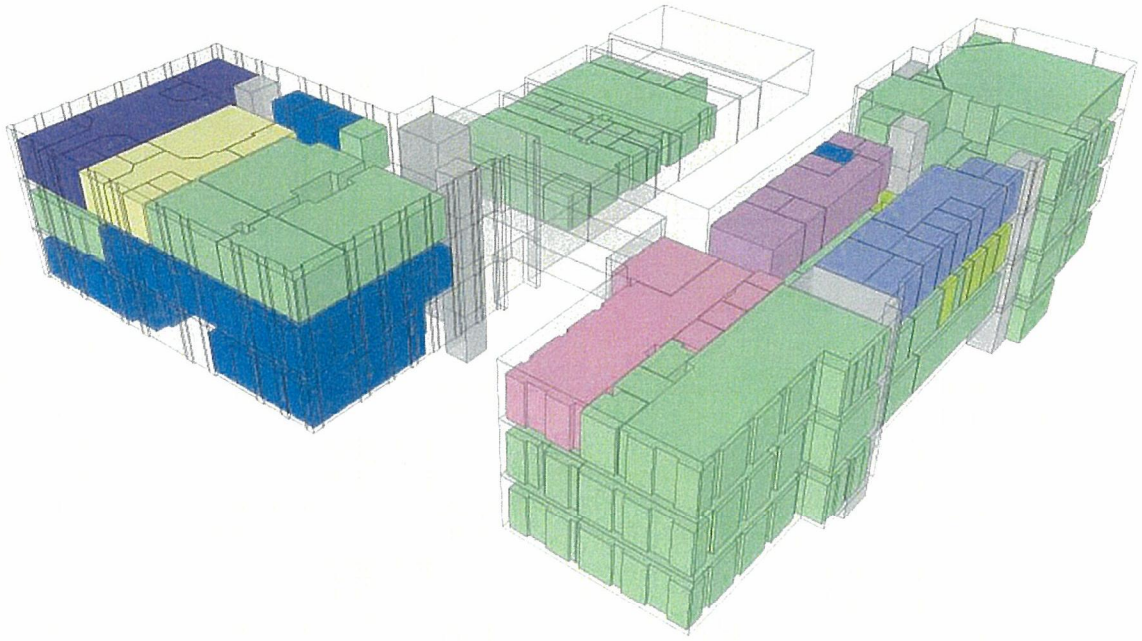
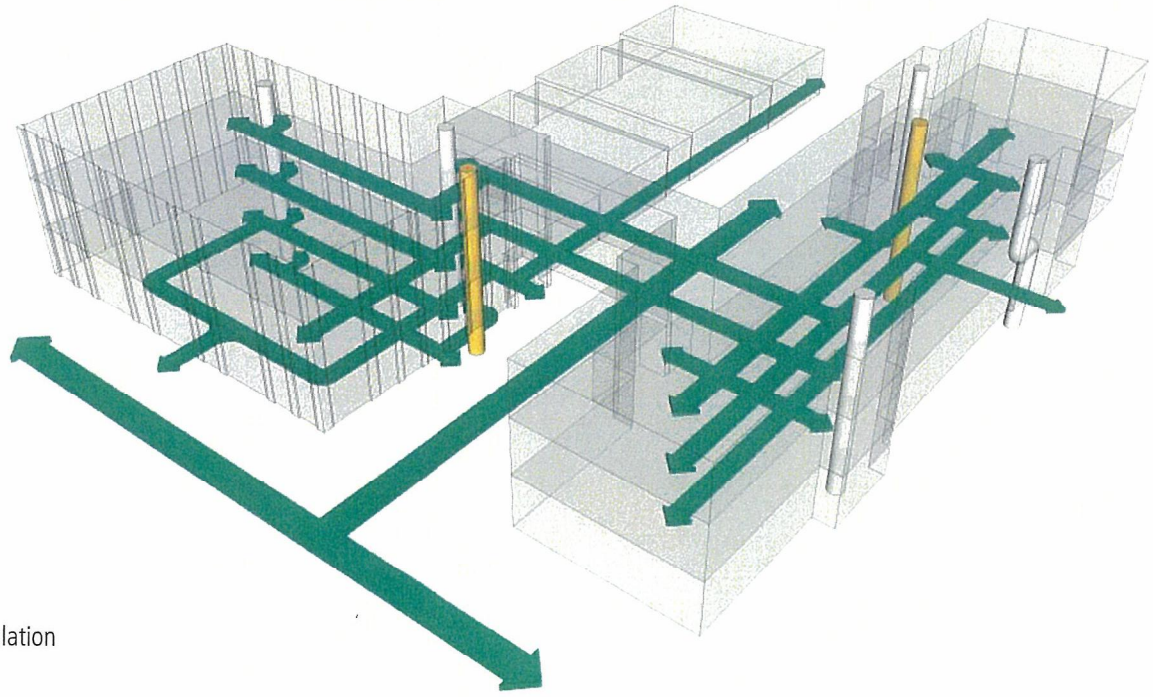
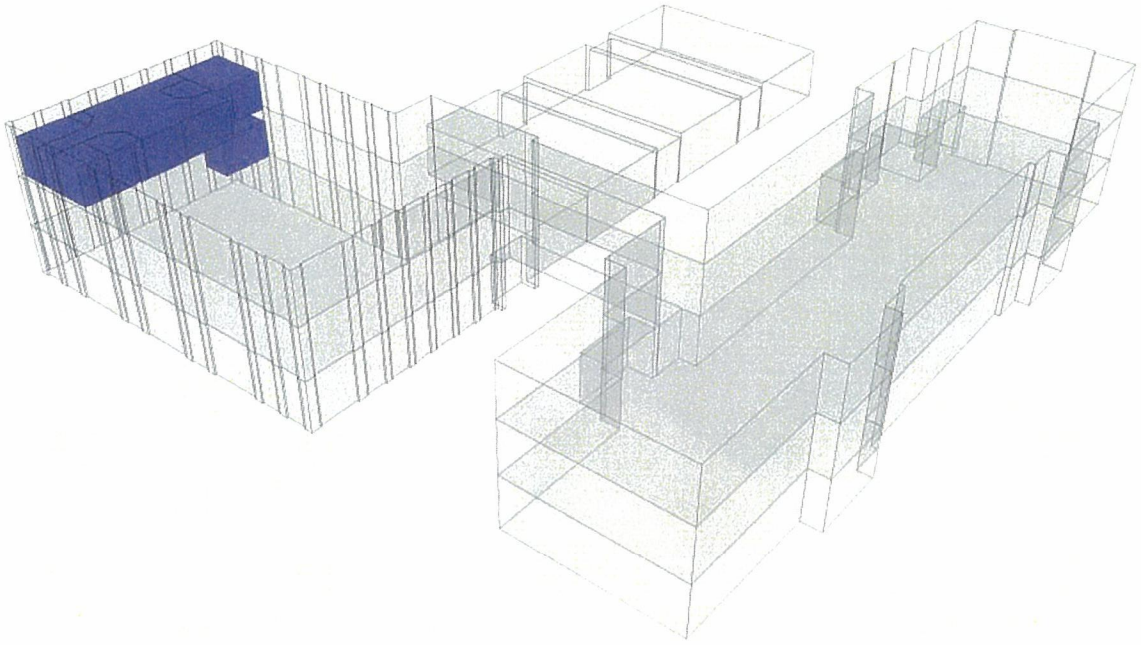
GRAPHICAL ANALYSIS - EXISTING CONDITION



All Departments



Circulation



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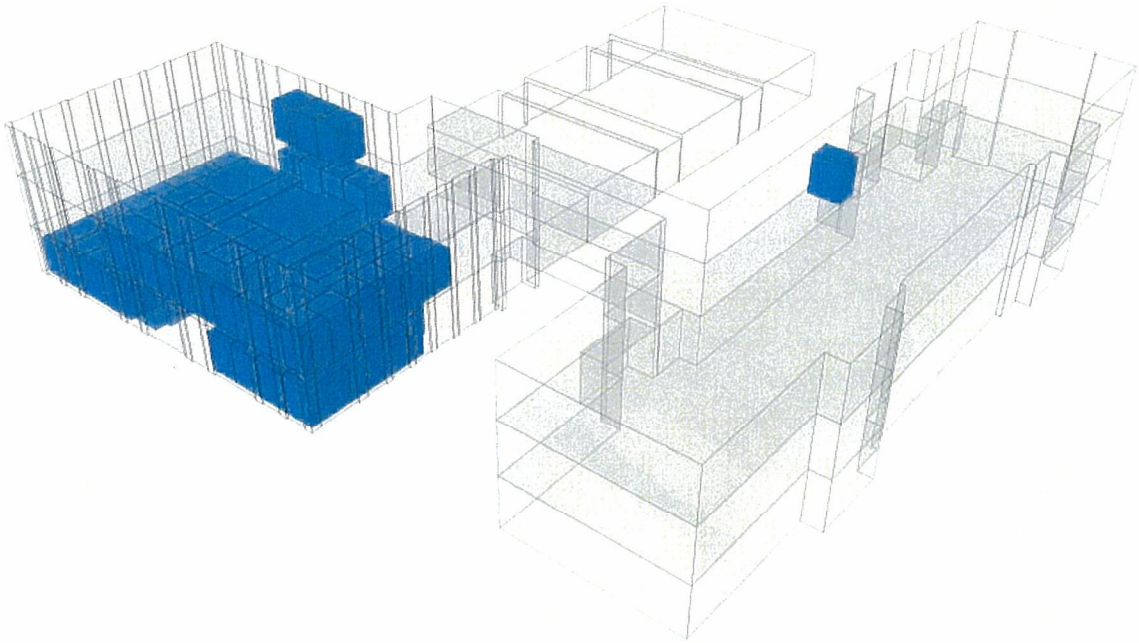
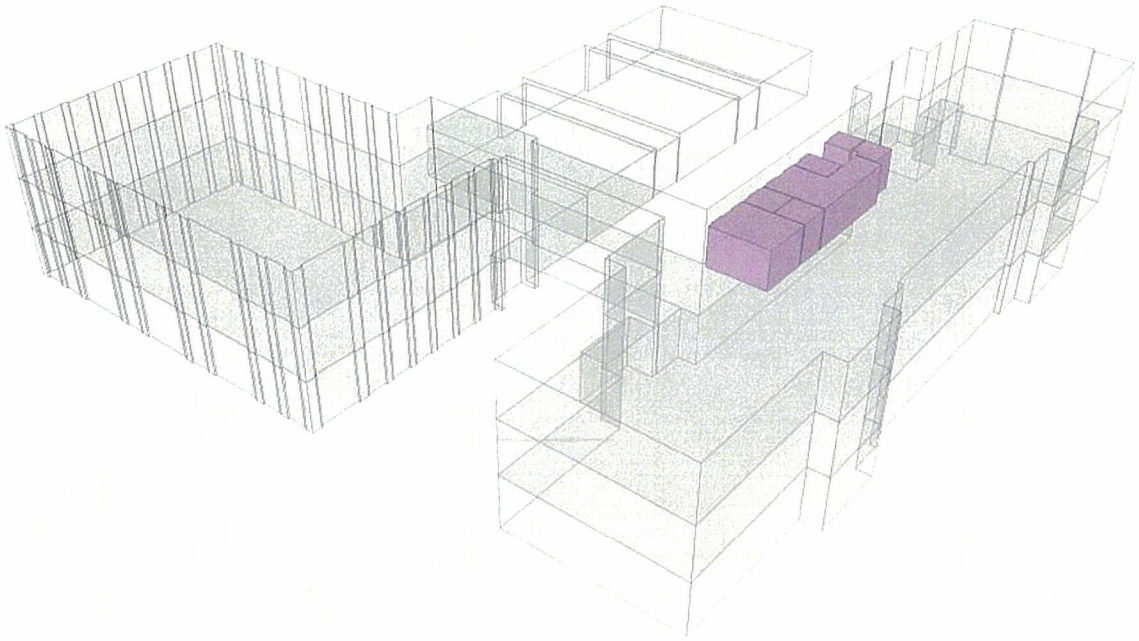


Building Condition Survey : Mahar Hall



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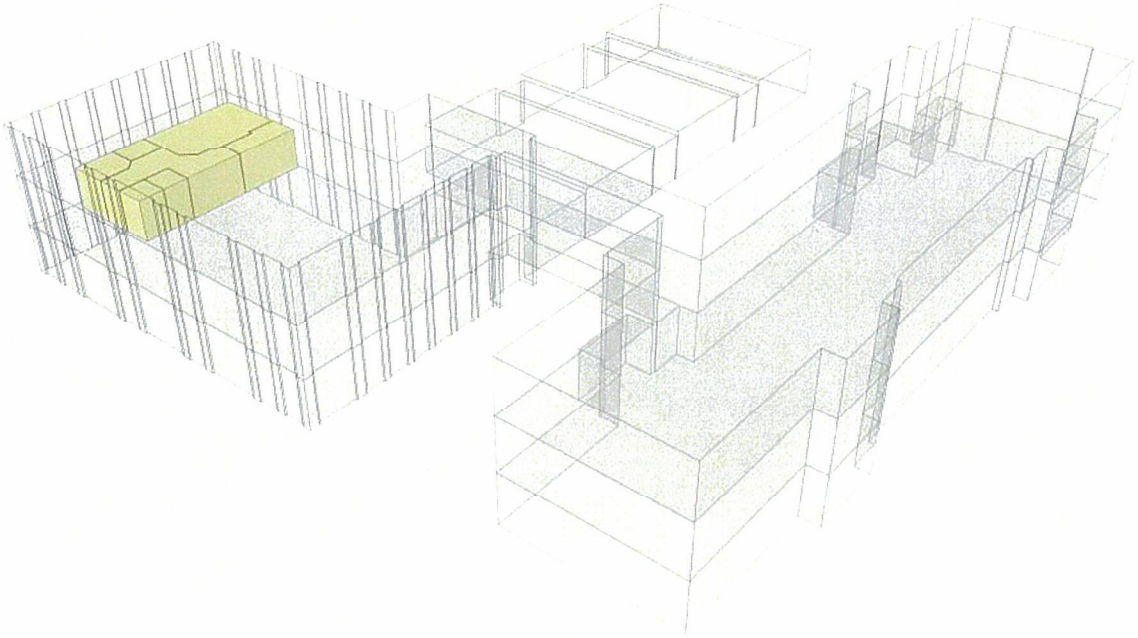

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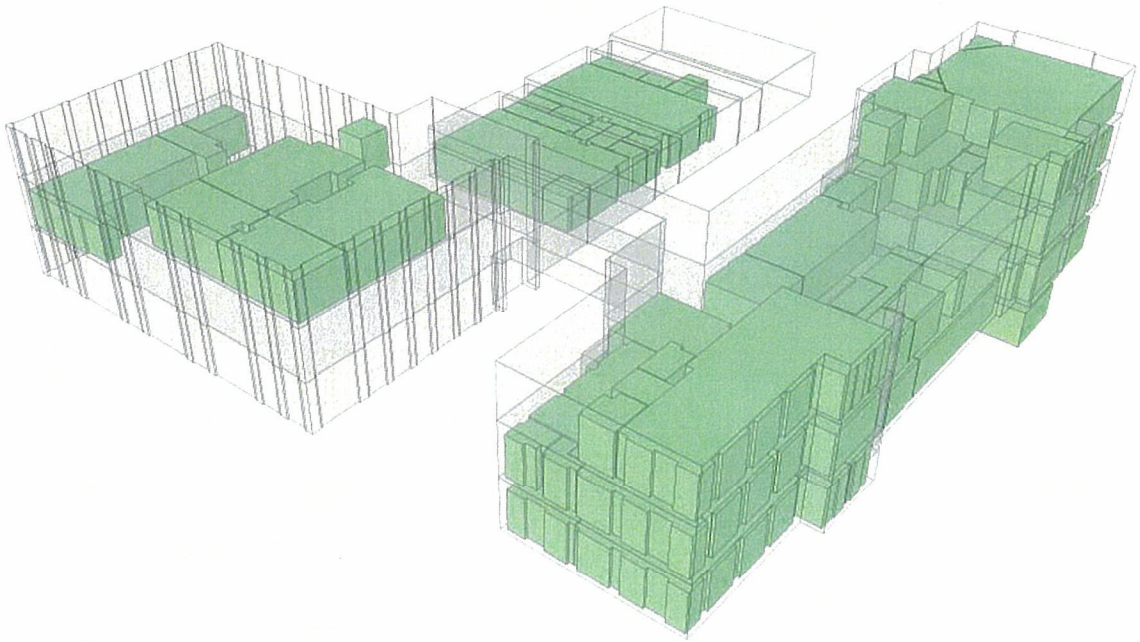

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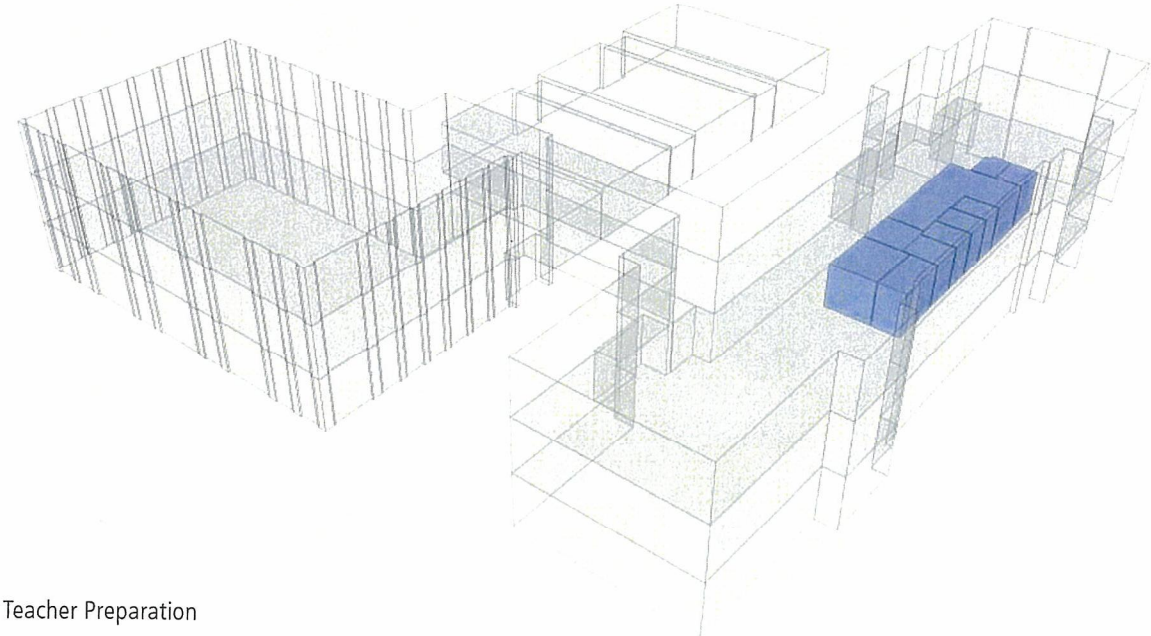

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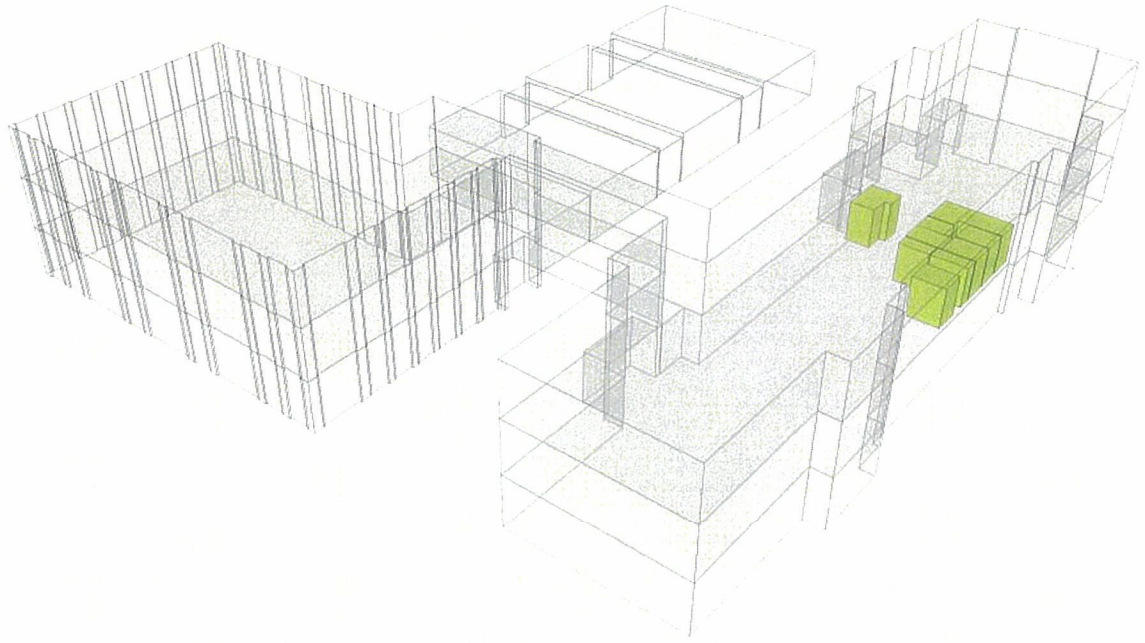
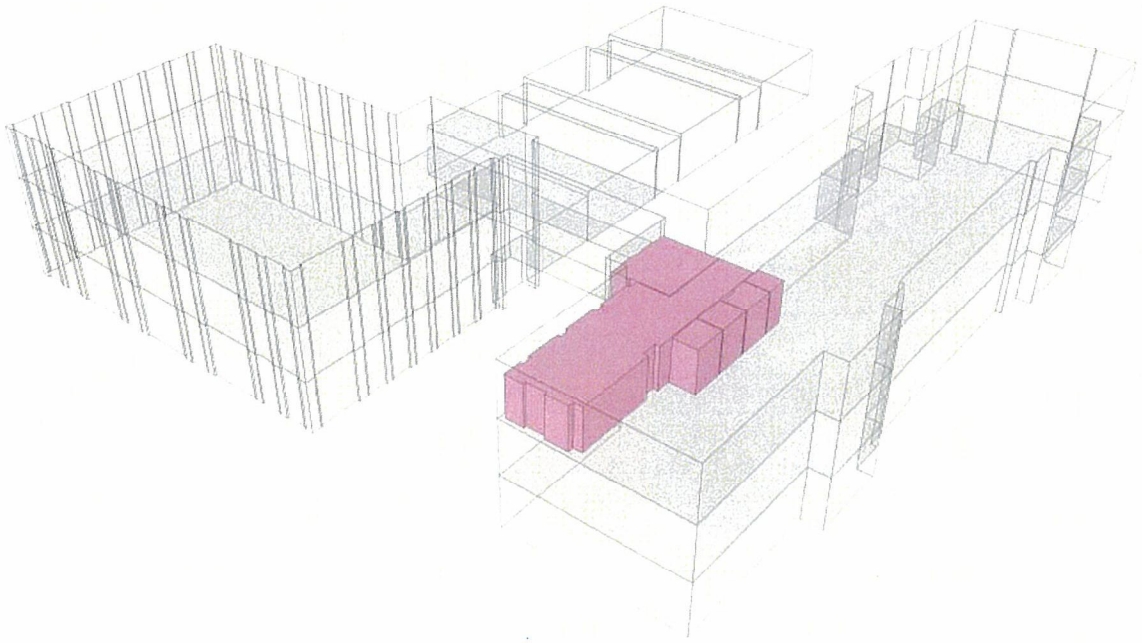
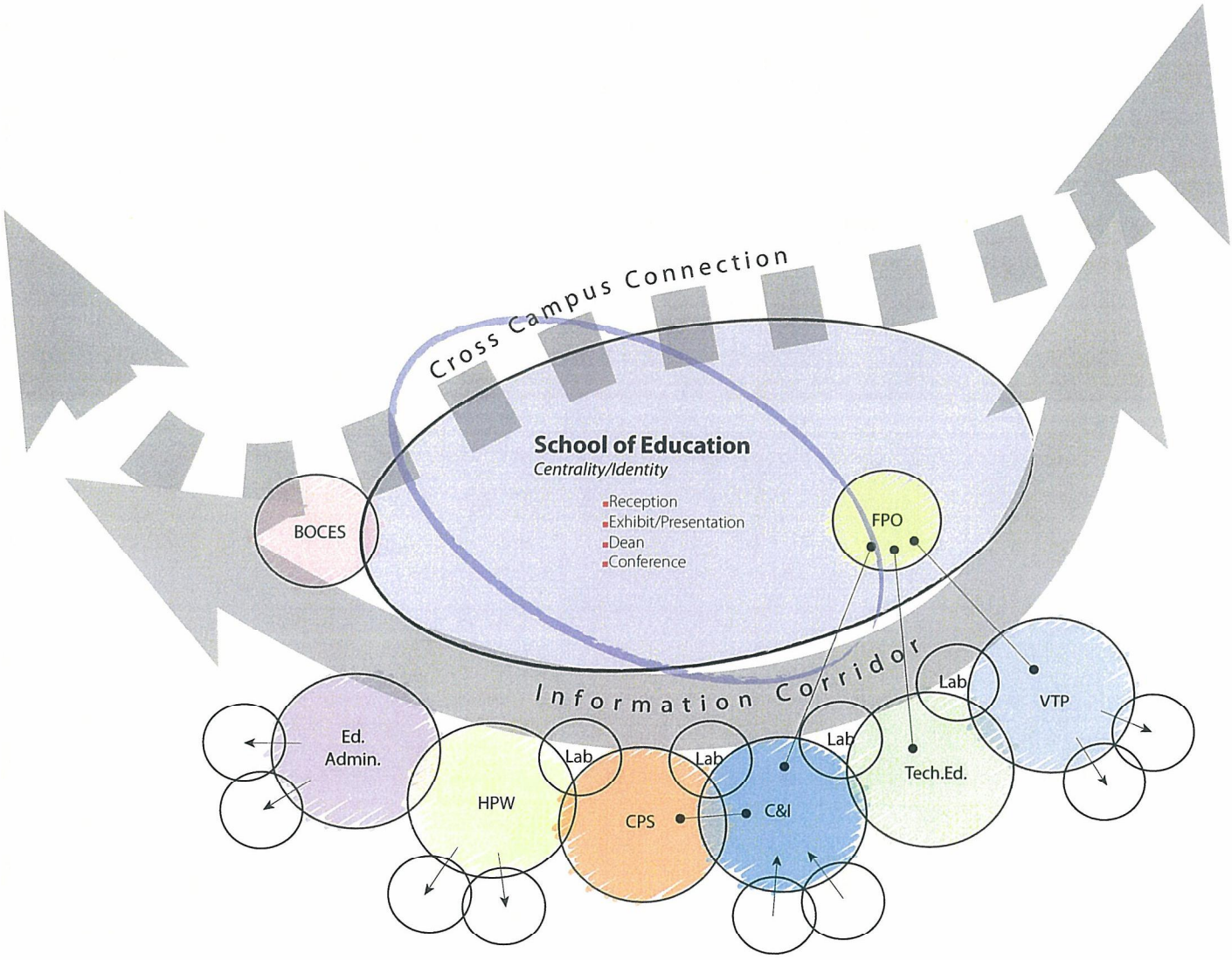


Field Placement Office



BOCES

GRAPHICAL ANALYSIS - OPTIMIZED ORGANIZATIONAL FUNCTION



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Bubble Diagram

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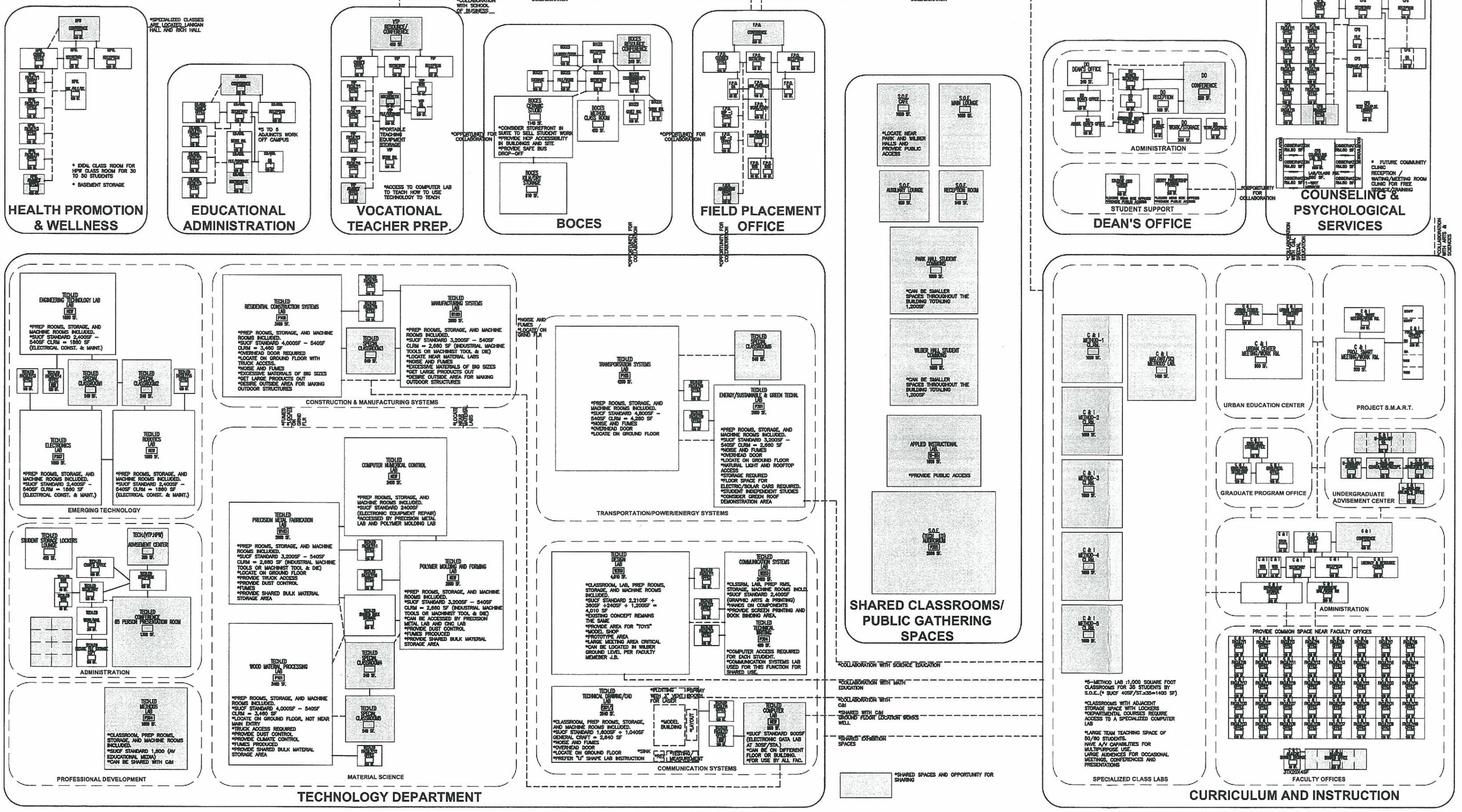

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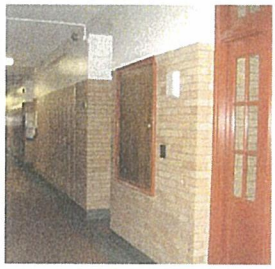
BUBBLE DIAGRAM 8/6/08

0' 5' 10' 20' 40'



6. Conceptual Design

Existing Plans

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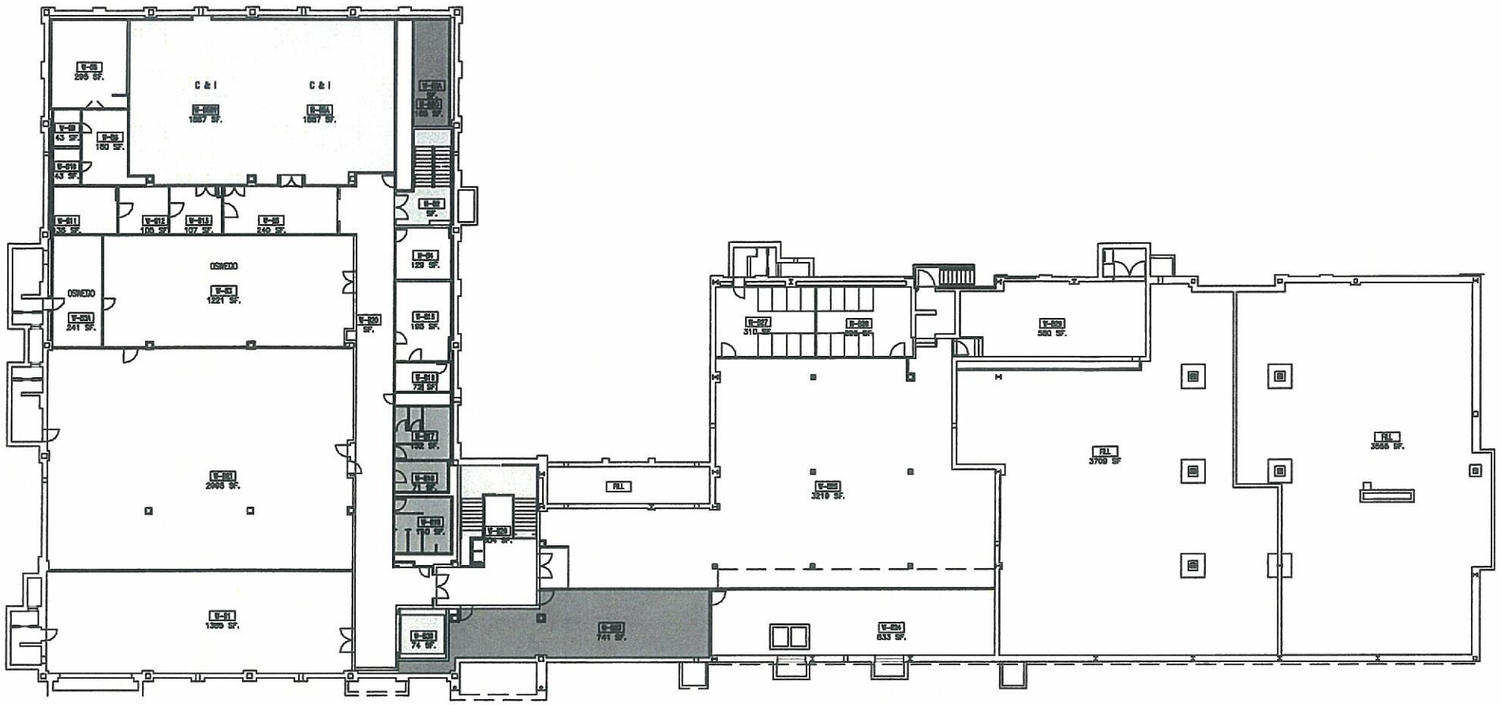

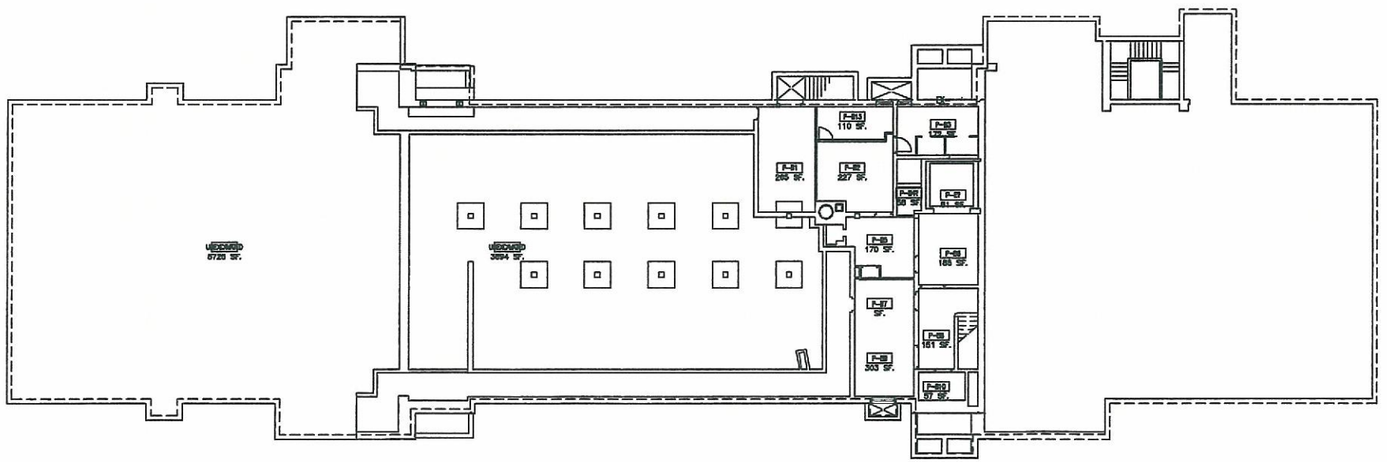

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- TECHNOLOGY [TECH]
- VOCATIONAL TEACHER PREPARATION [VTP]
- FIELD PLACEMENT OFFICES [FPO]
- BOCES [BOCES]
- SHARED CLASS ROOMS
- SHARED SPACES AND OPPORTUNITY FOR SHARING
- SHARED PUBLIC GATHERING SPACE
- BATHROOMS
- VERTICAL CIRCULATION
- CIRCULATION
- SERVICE/MECHANICAL

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ALL MEASUREMENTS TO BE VERIFIED BY CONTRACTOR

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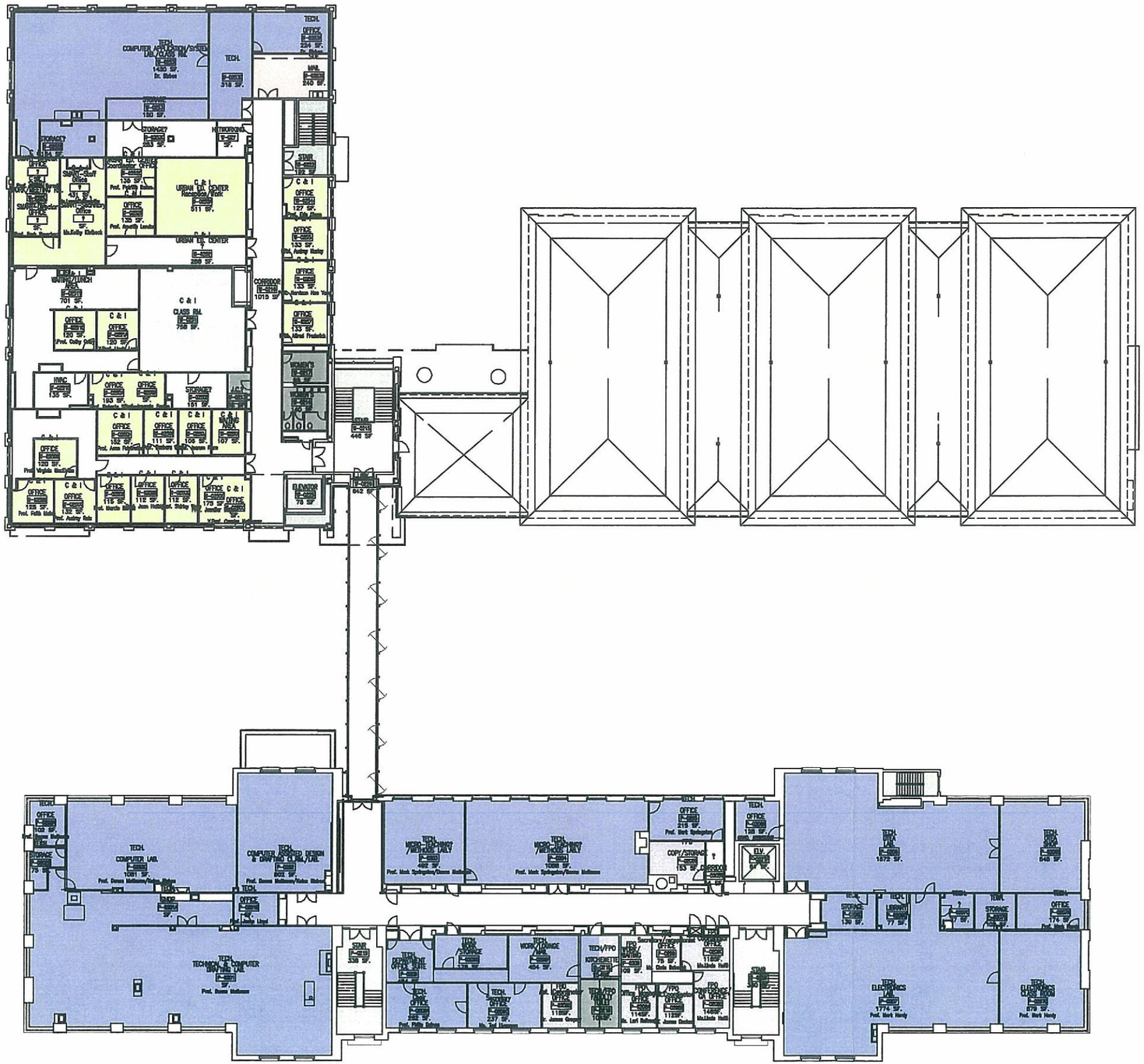

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6. Conceptual Design

Concept Plans

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