

FW: Wahpeton Central Elementary School

Terry Stroh <terrystro@tlstroh.com>

Mon 9/16/2019 11:12 AM

To: Jacobson, Rick <Rick.Jacobson@k12.nd.us>

See Joe's comments about hazards materials. So I think your good. Rick do you have time to talk. As unusual for your projects it's never easy! Herzog believe that builder risk should a lot of this damage being it was a storm that caused it.

Call me when you have time.

Terry

From: Joe Jenni <joej@tlstroh.com>**Sent:** Monday, September 16, 2019 10:03 AM**To:** Terry Stroh <terrystro@tlstroh.com>**Subject:** Wahpeton Central Elementary School

Terry,

I looked back through the demo project and there were no underground storage tanks indicated on the drawings or in the hazardous materials report.

Joseph Jenni, AIA



701.239.4198—OFFICE

701.239.9643—FAX

8 Seventh Street N Fargo, ND 58102

www.tlstroh.com

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Asbestos and Hazardous Materials Assessment

Wahpeton Public Schools
Central Elementary School
212 3rd Avenue North
Wahpeton, ND 58075-3927

September 16, 2015

Trio Project #T15-213

Prepared By:

Trio Environmental Consulting, Inc.

2111 Main Avenue East, West Fargo, ND 58078
(701) 492-9224 • (701) 492-9228 (Fax)

Asbestos and Hazardous Materials Assessment

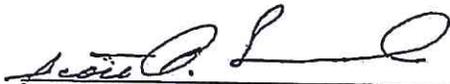
for

Central Elementary School
212 3rd Avenue North
Wahpeton, ND 58075-3927

THIS REPORT IS PREPARED FOR USE BY:

Wahpeton Public Schools
1505 North 11th Street
Wahpeton, ND 58075

I hereby certify that this Inspection and subsequent report was prepared by me and that I am accredited in the State of North Dakota under the Asbestos Hazard Emergency Response Act law P.L. 99-519 in the following disciplines: Asbestos Building Inspector, Lead Risk Assessor and Project Designer.



Scott A. Seamands
North Dakota Building Inspector Certification #259
North Dakota Lead Risk Assessor Certification #2

Date: 9-16-15

THIS REPORT WAS PREPARED BY:

Trio Environmental Consulting, Inc.

2111 East Main Avenue
West Fargo, ND 58078
(701) 492-9224 • FAX: (701) 492-9228

CENTRAL ELEMENTARY SCHOOL
212 3RD AVENUE NORTH
WAHPETON, ND 58075-3927

ASSESSMENT SURVEY

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NARRATIVE REPORT

1.0 INTRODUCTION / BACKGROUND

Trio Environmental Consulting, Inc. (Trio) was contracted to perform a site survey of Central Elementary School for the purposes of identifying asbestos containing building materials (ACBM), deteriorating lead based paints (LBP) and hazardous materials (HAZMAT). Scott Seamands and of Trio conducted the site survey at which time materials were identified, samples collected for lab analysis and materials quantified for inclusion in this report.

The following report is a general overview of the observations, methodology, and material sample analysis results for this property as noted and obtained by Trio.

Central Elementary School is a two level structure with approximately 73,406 square feet. The original building was constructed in 1929 and is approximately 47,474 square feet. A two story, 25,932 square foot addition was added in 1949 and connects at the east end of the original 1929 building.

A major renovation referred to as Phase I was conducted by Comstock Construction in 1995 and upgraded interior finishes, heating and lighting on the 1st floor of the 1949 addition.

A second renovation referred to as Phase II was conducted by Jerry Meide & Sons in 1996 and upgraded interior finishes, heating and lighting on the 1st and 2nd floors of the 1929 building, the gymnasium and the 2nd floor of the 1949 addition.

2.0 SUMMARY OF FINDINGS

2.1 ASBESTOS

The process for identifying asbestos containing building materials, (ACBM) included reviewing previous records including the School's Management Plan, 3 Year Reinspection Reports, 6 Month Surveillance records, bulk sampling records, abatement records, original construction drawings and renovation drawings. In addition, a room by room site survey was conducted to verify previously identified ACBM and ensure all remaining suspect materials were identified and sampled. Additional materials which were sampled over the course of the inspection included acoustical plaster, ceiling tile mastic and floor tile mastic. The results of these samples are included in Appendix IV, the Asbestos Bulk Sampling Database.

The following materials were positively identified as ACBM in the facility:

- Floor Tile
- Floor Tile Adhesive
- Pipe Insulation (Mag Block, Air Cell and Mill Board)
- Mudded Fittings on Mag Block, Air Cell and Mill Board
- Acoustical Plaster

The following material was assumed to contain asbestos as destructive sampling would be required which would jeopardize the integrity of the material;

- Fire Rated Doors

Appendix I is the Asbestos Database which includes a room by room location of all identified ACBM throughout the structure including abatement cost estimates.

Appendix III includes Asbestos Location Drawings showing locations of all identified ACBM.

Appendix IV includes a Bulk Sample Database which identifies all sample results from current and past projects.

Appendix V includes the Asbestos Lab Analysis results for each sampled material along with the chain of custody.

2.2 LEAD BASED PAINTS

At the time of the inspection, no delaminating paints were noted therefore no sampling was conducted for LBP. There were no lead hazards, (flashings, pipes, etc.) identified in the structure.

2.3 HAZARDOUS MATERIALS (HAZMAT)

A HAZMAT survey was conducted to identify those materials which are prohibited from disposal at landfills in the event the facility were scheduled for demolition. Items identified in the HAZMAT Database located in Appendix II, include mercury containing fluorescent light bulbs, thermostats and flame sensors, used oils in oil-filled door closures and mechanical equipment, and chlorofluorocarbons in fire extinguishers, water fountains and AC units.

Window caulking and sealants were not tested for PCB's as the windows were replaced in 1981 and 1982. Deliberate use of PCB's ended in 1978.

Appendix II includes the HAZMAT Database which identifies the locations of all identified HAZMAT's including cost estimates for removal.

3.0 STANDARDS REGULATING ASBESTOS

3.1 ENVIRONMENTAL PROTECTION AGENCY (EPA)

The EPA's National Emission Standard for Hazardous Air Pollutants (NESHAPs), is designed to protect the general public from airborne emissions of particulate asbestos. The standard requires parties conducting asbestos-related activities to follow certain procedures and adopt specific work practices to prevent the release of asbestos to the outside air. The Minnesota Pollution Control Agency oversees the removal, transport and disposal of ACM as per EPA's NESHAP Regulation.

This standard requires that regulated asbestos-containing materials (RACM) must be removed from buildings and building components prior to demolition or renovation of the building. RACM includes all friable asbestos-containing materials, Category I nonfriable asbestos-containing materials that have become friable, Category I nonfriable asbestos-containing materials that have been subjected to sanding, grinding, cutting, or abrading, and Category II nonfriable asbestos-containing materials that have a high probability of becoming or have become crumbled, pulverized, or reduced to powder by the forces expected to act on the materials in the course of demolition or renovation operations. This standard also requires advance notification, wet removal techniques, and proper disposal of asbestos waste. The EPA's Clean Water Act regulates the discharge of asbestos and other pollutants to publicly owned sewer systems.

3.2 OCCUPATIONAL SAFETY and HEALTH ADMINISTRATION (OSHA)

OSHA regulations consist of two separate standards regulating occupational exposure to asbestos, described by OSHA as the "general industry standard" and the "construction standard".

The general industry standard applies to workplaces in all industries, with the exception of construction work, and thus governs the obligations of commercial employers to maintain a work environment free of asbestos hazards.

The construction standard applies to construction work, and thus governs the obligations of construction employers engaged in a wide variety of asbestos-related activities (e.g., demolition, renovation, repair, storage or containment). Both standards require the employer to ensure that no employee "is exposed to an airborne concentration of asbestos in excess of 0.1 fibers per cubic centimeter, (f/cc) of air as an eight (8) hour time weighted average (TWA)".

Both standards generally impose requirements pertaining to methods of compliance, personal protective equipment, employee monitoring, medical surveillance, communication to employees, regulated areas, engineering controls, work practices, housekeeping procedures and record keeping. These standards also establish an "action level" which is defined as "an airborne concentration of asbestos of 0.1 f/cc calculated as an (8)-hour TWA. Under both standards, if employees are exposed at or above the action level, the employer must initiate specified compliance activities (air monitoring, employee training, and medical surveillance). Employers must also ensure that no employee is exposed to OSHA's excursion limit of one (1) f/cc of air averaged over a thirty minute sampling period.

Building owners, as employers, are subjected to the general industry standard. In explanation of the asbestos standards, OSHA made it clear that the standards are applicable to office employees in buildings where asbestos products have been installed and to employees who work in the vicinity of asbestos abatement and renovation activities.

Under these regulations, every employer who has a workplace or work operation subject to the general industry stand is required to perform initial exposure monitoring of employees who are, or may reasonably be expected to be, exposed to airborne concentrations at or above the action level. The regulations do not describe the circumstance in which it "may reasonably be expected" that employees are exposed at or above the action level. However, OSHA has indicated that "visible evidence of deterioration of asbestos materials and construction or maintenance activities which would disturb asbestos materials" would trigger the obligation to conduct air monitoring in the workplace. Finally, OSHA requires all asbestos waste, scrap, debris, bags, containers and equipment be disposed of in sealed, impermeable bags or containers.

3.3 NORTH DAKOTA DEPARTMENT OF HEALTH

The removal of friable ACM and non-friable ACM, (with a high probability of becoming friable), is regulated by the North Dakota Department of Health's Asbestos Abatement Rules. These rules require a ten-day notification prior to conducting renovation or demolition activities and define the air-monitoring requirements, use of engineering controls and use of licensed contractors with certified workers for asbestos abatement projects. For additional information, please refer to www.ndhealth.gov.

4.0 STANDARDS REGULATING LEAD BASED PAINTS

LBP that is firmly bonded to the substrate can be managed as normal demolition debris although recycling is not permitted. At the time of the inspection, no delaminating paints were noted therefore no sampling was conducted for LBP, nor were any lead hazards identified.

5.0 STANDARDS REGULATING HAZMAT & PCB'S

Hazardous Materials (HAZMAT) are regulated by the EPA under the Toxic Substances Control Act (TSCA) regulations and the North Dakota Department of Health's Division of Waste Management.

PCB analysis of caulking's was not conducted as the building was constructed after 1979. The MPCA allows you to assume structures constructed after 1979 do not have sealants or coatings containing PCBs as deliberate use of PCBs ended in 1978.

6.0 SURVEY METHODS

6.1 PROCEDURES

The scope of this survey was to identify, sample, and quantify all suspect asbestos-containing materials within the building. The procedures used in this survey meet the inspection standards of EPA's Asbestos Hazard Emergency Response Act (AHERA) and the OSHA asbestos standard.

All accessible materials were sampled. Materials inside walls, chases, doors, plenums, ducts or other areas requiring destructive entry were not accessed. Once the building is vacated, destructive entry to these areas can be conducted if the structure is scheduled for demolition or if the structure is sold, it can serve as a guideline on where to expect suspect materials to remain.

This survey attempted to identify all remaining ACM within the building however, destructive entry will be required to expose materials which are identified as assumed ACM on pages 4-6 in Appendix I and on pages 4 and 5 of the drawings in Appendix III. The assumed floor tile and mastic is located beneath existing Tarkett Floor which have welded seams and the original floor also has a rolled terrazzo edge which extends up the walls and into the rooms approximately 6" - 8" which hinders the ability to determine the underlying substrates without causing excessive damage. The assumed pipe insulation and mudded fittings shown on existing blueprints are located within plaster walls, chases and plenums which will require moderate demolition to determine their existence.

6.2 BULK ASBESTOS SAMPLING

Multiple random samples of homogeneous materials were collected in accordance with the EPA-AHERA guidelines. The number of samples collected was determined by the type of material being sampled. The three main types of material according to EPA guidelines are Surfacing Material, Thermal System Insulation, and Miscellaneous material. The number of samples collected is determined by the following schedule:

SURFACING MATERIAL:

AMOUNT OF MATERIAL	MINIMUM # OF SAMPLES
Less than 1000 square feet	3
Between 1,000 and 5,000 square feet	5
Greater than 5,000 square feet	7

THERMAL SYSTEM INSULATION:

Minimum of 3 samples, except in an area with less than 6 linear or square feet of patched insulation where at least one sample is required.

MISCELLANEOUS MATERIAL:

A sufficient number of samples (more than one) were collected in accordance with requirements EPA guidelines.

6.3 LAB ANALYSIS PROCEDURE

Samples of suspect ACBM were collected by an accredited inspector and submitted for analysis to EMC Laboratories, 7342 East Thomas Road, Scottsdale, AZ, NVLAP Accreditation #101926-0. The current approved method used for asbestos bulk sample analysis is EPA's "Method For The Determination Of Asbestos In Bulk Building Materials, EPA 600/R-93/116 (1993). This method is used in conjunction with EPA method 600/M4-82-020 to satisfy NVLAP requirements. Samples found to contain less than 10% asbestos may be further quantified by point count analysis according to EPA NESHAP-Asbestos Rule 40 CFR Part 61.

In each homogeneous sampling area, once a positive sample was identified, the remaining samples were not analyzed.

6.4 ASBESTOS BULK SAMPLING DATABASE

Appendix IV identifies all asbestos bulk samples and lab results for each sampled homogeneous material from current and previous inspections.

6.5 HAZMAT LOCATION DATABASE

Appendix II contains a summary of all hazardous materials identified in the survey on a room by room basis. Any of these materials which will be disturbed as a result of renovation or demolition activities will require remediation.

7.0 COST ESTIMATES

Cost estimates are based on present day costs. These estimates can vary greatly based on factors such as time of the year, size of the project and state of the economy. Contractor mobilization costs were not included. Mobilization costs will have little effect on large abatement projects, but can add substantially more to small abatement projects. Cost estimates for removal of asbestos and Hazardous materials are located in Appendices I & II.

8.0 RECOMMENDATIONS

Any asbestos containing materials and/or HAZMAT scheduled to be disturbed during renovation activities must be remediated. If quantities of disturbed ACBM exceed 160 square or 260 lineal feet, proper notification must be submitted to the MPCA & MDH 10 days prior to conducting asbestos related work.

For renovation and demolition projects, it should be assumed that additional suspect materials may exist inside walls, chases, ceilings, etc.

Please contact our office or the Minnesota Department of Health at (651) 215-0900 for a list of qualified asbestos abatement contractors if needed. For additional information concerning HAZMAT collection and disposal, contact the MPCA at (800) 657-3864 or (651) 296-6300.

9.0 DISCLAIMER

The scope of the asbestos and hazardous materials assessment survey was to review past environmental history and inspect building components and general systems to identify all materials which are considered regulated hazardous materials. The inspection was conducted while school was out for summer recess, however since the building will remain in operation for another school year, no destructive testing was conducted. Any area which is not exposed to view, is concealed, or is inaccessible because of soil, walls, floors, carpets, ceilings, furnishing, etc. may contain additional suspect materials. All efforts including review of as-built drawings, renovation drawings, AHERA Management Plan, 3 year re-inspections, 6-month surveillances, abatement records and a current site inspection were conducted to identify all regulated materials. Additionally, areas which are assumed to contain regulated materials based on as-built drawings were noted and included in this report.

In the event that the facility is scheduled for demolition, additional sampling and destructive testing will be required to more accurately identify inaccessible materials.

10.0 STANDARD OF CARE

The degree of care and technical skills exercised by Trio Environmental Consulting, Inc. was consistent with agreed upon state-of-the-art practices for this type of project, under similar conditions. Recommendations and conclusions contained in this report represent a professional judgment at the time the project was undertaken.

No warranty is intended or implied.

Please feel free to contact Trio Environmental Consulting, Inc. at (701) 492-9224 if there are any questions or concerns regarding the fieldwork, sample results or presented findings.

Sincerely,



Scott A. Seamands
Trio Environmental Consulting, Inc.

Appendix I

Asbestos Database

ASBESTOS CONTAINING MATERIALS

Room #	9" FT & Adhesive	Pipe Lagging	Mudded Fittings	Acoustical Plaster	Fire Rated Door
W140					
W141		2		1981	
W142		2			
W143		3			
W144		3			
W145		2			
W146		6			
W147		2			
W148					
W149		6			
1st Floor Hall West					
W240					
W241					
W242		2			
W243		2			
W244		2			
W245		2			
W246		2			
W247		1			
W248		2			
W249		1			
W250					
W251		1			
2nd Floor Hall West					
Stairwells					
West Attic		441	72		
E110		3			
E111		2			
S. Entry		2			
E113 Receptionist		1			
E113 Vault					
E113 Workroom		2			
E113 Nurse		2			
E113 Principal		2			
Principal Furnace Rm	10				
E132		3			
E133		31			
N. Entry					
1st Floor Hall East					
E210		2			
E211		2			
E212		2			
E213		2			
E229		2			
E230					
E231					
E232					
E233					
E234					
2nd Floor Hall East					

ASBESTOS CONTAINING MATERIALS

Room #	9" FT & Adhesive	Pipe Lagging	Mudded Fittings	Acoustical Plaster	Fire Rated Door
East Attic		347	58		
West Bsmnt Stair					
Girls Locker					
Fan Room					1
Bcller Room					1
Coal Storage					
Electrical Room					
Bcys Locker					
East Bsmnt Stair					1
Tunnels					
Gym					
Gym Attic		76	4		
Gym Foyer					
G100					
G101					
G102	15				
G103					
East Stair to G201					
West Stair to G201					
G201					
Balcony					
Projection Booth					
Totals	25	963	134	1981	3
Unit Costs	\$ 4.50	\$ 15.00	\$ 25.00	\$ 10.00	\$ 75.00
Total Costs	\$ 112.50	\$ 14,445.00	\$ 3,350.00	\$ 19,810.00	\$ 225.00

Total Cost: \$ 37,942.50

ASBESTOS CONTAINING MATERIALS

Room #	9" FT & Adhesive	Pipe Lagging	Mudded Fittings	Fire Rated Door
E115	180			
E116 Furnace Room	10			
E117				
E117 Furnace Room	30			
Teachers Lounge				
Storage	27			
E118				
SE Bsmt Meter Rm				1
E119				
E119 Water Closet				
E120 Furnace Rm	9			
E121		56	8	
E122				
E123				
NE Bsmt Equip Rm				1
E124				
E125				
Garage				
E126				
E127				
E128				
E129				
E130				
E131		78	9	
1st Floor Hall		2		
E214				
E214 Furnace Rm	56			
E215				
E216				
E217				
E217 Furnace Rm	30			
E218				
E219				
E220				
E221				
E222				
E222 Storage				
E223				
E223 Furnace Rm	88			
E224				
E224 Furnace Rm	14			
E225				
E226				
E226 Furnace Rm	28			
E227	100			
E228				
2nd Floor Hall		10		
Totals	572	146	17	2
Unit Costs	\$ 5.50	\$ 15.00	\$ 15.00	\$ 75.00
Total Costs	\$ 3,145.00	\$ 2,190.00	\$ 255.00	\$ 150.00

Total Cost: \$ 5,741.00

Room #	9" FT & Adhesive	Comments
W140		
W141		
W142		
W143		
W144		
W145		
W146		
W147		
W148		
W149		
1st Floor Hall	1343	Under Tarkett Floor
W240		
W241		
W242		
W243		
W244		
W245		
W246		
W247		
W248		
W249		
W250		
W251		
2nd Floor Hall	955	Under Tarkett Floor
N. Stair		
E. Stair		
West Attic		
E110		
E111		
S. Entry		
E113 Office Suite	1132	Under carpet ID'd in Management Plan
Principal Furnace Rm		
E132		
E133		
N. Entry		
1st Floor Hall	1616	Under Tarkett Floor
E210		
E211		
E212		
E213	714	Under Tarkett Floor ID'd in Management Plan
E229		
E230		
E231		
E232		
E233		
E234		
2nd Floor Hall	1177	Under Tarkett Floor

Room #	9" FT & Adhesive	Comments
East Attic		
West Bsmt Stair		
Girls Locker		
Fan Room		
Boiler Room		
Coal Storage		
Electrical Room		
Boys Locker		
East Bsmt Stair		
Tunnels		
Gym		
Gym Attic		
Gym Foyer		
G100		
G101		
G102		
G103		
East Stair to G201		
West Stair to G201		
G201		
Balcony		
Projection Booth		
Totals	6937	
Unit Costs	\$ 5.50	
Total Costs	\$ 38,153.50	

Total Cost: \$38,153.50

ASSUMED ASBESTOS
CONTAINING MATERIALS

Room #	9" FT & Adhesive	Pipe Lagging	Mudded Fittings	Comments
E115				
E116 Furnace Room		8	8	In east wall
E117	244			Under Tarkett Floor ID'd in Management Plan
Teachers Lounge				
Lounge Lav.		6	6	behind sink
Storage				
E118				
SE Bsmt Meter Rm				
E119		12	12	behind sinks
E120	572			Under Tarkett Floor ID'd in Management Plan
E121				
E122		32	4	in north wall feeding fountain.
E123		19	9	behind sinks
NE Bsmt Equip Rm				
E124				
E125				
Garage				
E126		6	6	NW corner in wall behind sink.
		70	8	In South and east walls.
E127 & 128		130	30	In furred space east wall.
E128	528			Under Tarkett Floor ID'd in Management Plan
		39		In furred space east wall.
E129		27		In furred space east wall.
E130		16	6	behind sinks, west wall
E131				
Hall	3367			Under Tarkett Floor
E214				
E215				
E216		12	12	behind sinks
E217	735			Under Tarkett Floor ID'd in Management Plan
E218				
E219		32	4	in north wall feeding fountain.
E220		19	9	behind sinks
E221				
E222				
E222 Storage				
E223	300			Under Tarkett Floor ID'd in Management Plan
E224	903			Under Tarkett Floor ID'd in Management Plan
E225				
E226	630			Under Tarkett Floor ID'd in Management Plan
E227		12	6	in east wall feeding fountain
E228				
Hall	3076			Under Tarkett Floor
Totals	10355	440	118	
Unit Costs	\$ 5.50	\$ 15.00	\$ 15.00	
Total Costs	\$ 56,952.50	\$ 6,600.00	\$ 1,770.00	
	Total	Cost:	\$ 65,322.50	

Appendix II

HAZMAT Database

Wahpeton Public Schools
 Central Elementary - 1929 Building

HAZARDOUS MATERIALS

Room #	Oil Filled Door Closer	Fluorescent Bulbs	Mercury Thermostat	Gas Forced Air Furnace	Air Cell Pipe Lagging	Exit Signs	Fire Extinguisher	Drinking Fountain	Wall Mount AC Unit
W140									
W141	1	32	1	1	2				
W142	1	6			2				
W143	1	24		1	3				
W144	1	24			3				
W145	1	24	1		1				
W146	1	4			6				
W147	1	24	1		1				
W148	1								
W149	1	8			6				
Hall	10	26	1			3	1	1	
W240	1	4							
W241	1								
W242	1	24	1	1	2				
W243	1	24		1					
W244	1	24	1	1					
W245	1	24	1	1					
W246	1	24	1	1	1				1
W247	1	4							
W248	1	24	1	1					
W249	1								
W250	1	8							
W251	1	4							
Hall		18				2		1	
N. Stair		4							
E. Stair		4							
Attic									

Waipetot Public Schools
Central Elementary - 1929 Building

HAZARDOUS MATERIALS

Room #	Oil Filled Door Closer	Fluorescent Bulbs	Mercury Thermostat	Gas Forced Air Furnace	Air Cell Pipe Lagging	Exit Signs	Fire Extinguisher	Drinking Fountain	Wall Mount AC Unit
E110	1	28	1	1	3				
E111	1	16			2				
S. Entry	3	4	1	1	2				
E113 Receptionist	2	27			1				
E113 Vault									
E113 Workroom	1	6			2				
E113 Nurse	1	8			1				
E113 Principal		15	2		2				
E132	1	48	1	1	3				1
E133	2	20	1	1	31			1	
N. Entry	2	4							
Hall	3	28	1			3	1		
E210	1	36	1	2	2				
E211	2	36	1		2				
E212	1	14	1		2				
E213	1	28	1	1	2				
E229	1	16	1	2	2				
E230	1	16							
E231	1	4							
E232	1								
E233	1								
E234	1	4							
Hall	1	16				3	1	1	
Attic									

Wahpeton Public Schools
Central Elementary - 1929 Building

HAZARDOUS MATERIALS

Room #	Oil Filled Door Closer	Fluorescent Bulbs	Mercury Thermostat	Gas Forced Air Furnace	Air Cell Pipe Legging	Exit Signs	Fire Extinguisher	Drinking Fountain	Wall Mount AC Unit
West Bsmnt Stair	1								
Girls Locker			1						
Fan Room									
Boiler Room									
Coal Storage									
Electrical Room									
Boys Locker									
East Bsmnt Stair	1								
Tunnels									
Gym	6			1		5			
Gym Foyer	10	32	2	1		4			
G100		9							
G101		12							
G102	1		1						
G103	1		1						
East Stair to G201	1	2							
West Stair to G201									
G201	2	12							
Balcony			3						
Projection Booth				1					
Quantities	83	803	29	20	84	20	3	9	9
Unit Costs	\$ 15.00	\$ 1.45	\$ 7.00	\$ 75.00	\$ 35.00	\$ 75.00	\$ 5.00	\$ 75.00	\$ 75.00
Combined Costs	\$ 1,245.00	\$ 1,164.35	\$ 203.00	\$ 1,500.00	\$ 2,940.00	\$ 1,500.00	\$ 15.00	\$ 675.00	\$ 675.00

Removal Costs: \$ 9,917.35

HAZARDOUS MATERIALS

Room #	Mercury Flame Sensor	Mercury Thermostat	Mercury Switches	Oil-cooled Bearings	Oil-cooled Motor	Oil-cooled Reducer	Hot Water Heater	Emerg. Generator	Fire Extinguisher	Fuel Oil Tank, Pump & Filter
Fan Room		2		2	1					
Boiler Room	3		2			1	1		1	
Coal Storage								1		
Electrical Room										
Boys Locker							2			
Quantities	3	2	2	2	1	1	3	1	1	1
Unit Costs	\$ 50.00	\$ 7.00	\$ 75.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 100.00	\$ 550.00	\$ 5.00	\$ 100.00
Combined Costs	\$ 150.00	\$ 14.00	\$ 150.00	\$ 200.00	\$ 100.00	\$ 100.00	\$ 300.00	\$ 550.00	\$ 5.00	\$ 100.00

Removal Costs: \$ 1,669.00

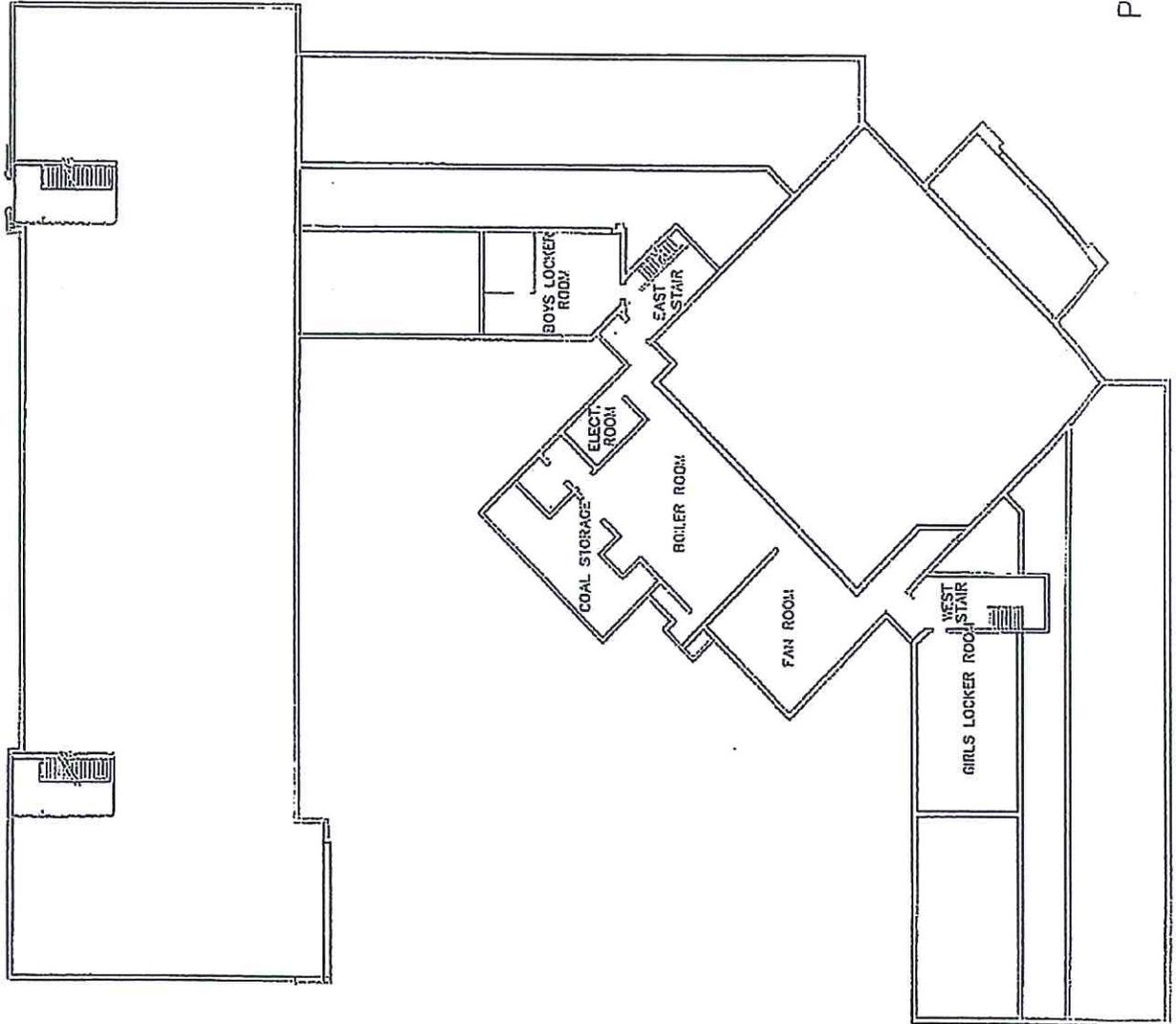
HAZARDOUS MATERIALS

Room #	Oil Filled Door Closer	Fluorescent Bulbs	Mercury Thermostat	Gas Forced Air Furnace	Air Cell Pipe Lagging	Exit Signs	Fire Extinguisher	Drinking Fountain	Wall Mount AC Unit
E115	1	2							
E116	1	24	1	1					
E117	1	9		1					
Teachers Lounge		10	1						1
Storage	1								
E118	1	12							
SE Bsmt Meter Rm	1								
E119	1	8							
E119 Water Closet		39							
E120	1	20	1	1					
E121	1	27			56				1
E122	3	34	2	1					
E123		8							
NE Bsmt Equip Rm									
E124	1	36	1	1					
E125	1	27							
Garage	2	8		1					
E126	2	28	1						1
E127	3	28							
E128	1	27	1	1					
E129	1	4							
E130	1								
E131	2	18			78				
Hall	5	49	2	1	2	5			2

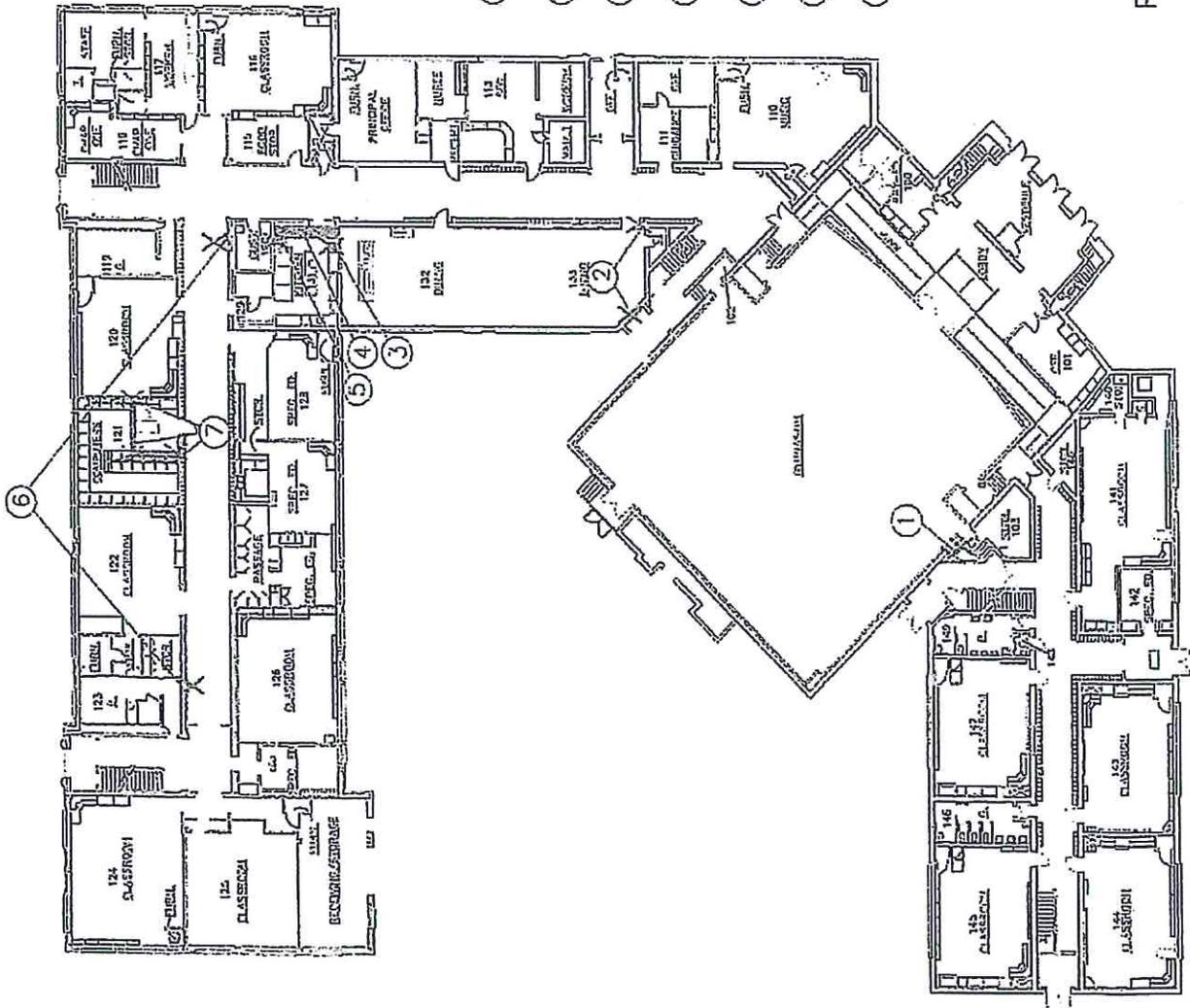
Appendix III

Asbestos Location Drawings

WAHPETON CENTRAL
ELEMENTARY SCHOOL
1929 GYM BASEMENT
BOILER/LOCKER ROOMS

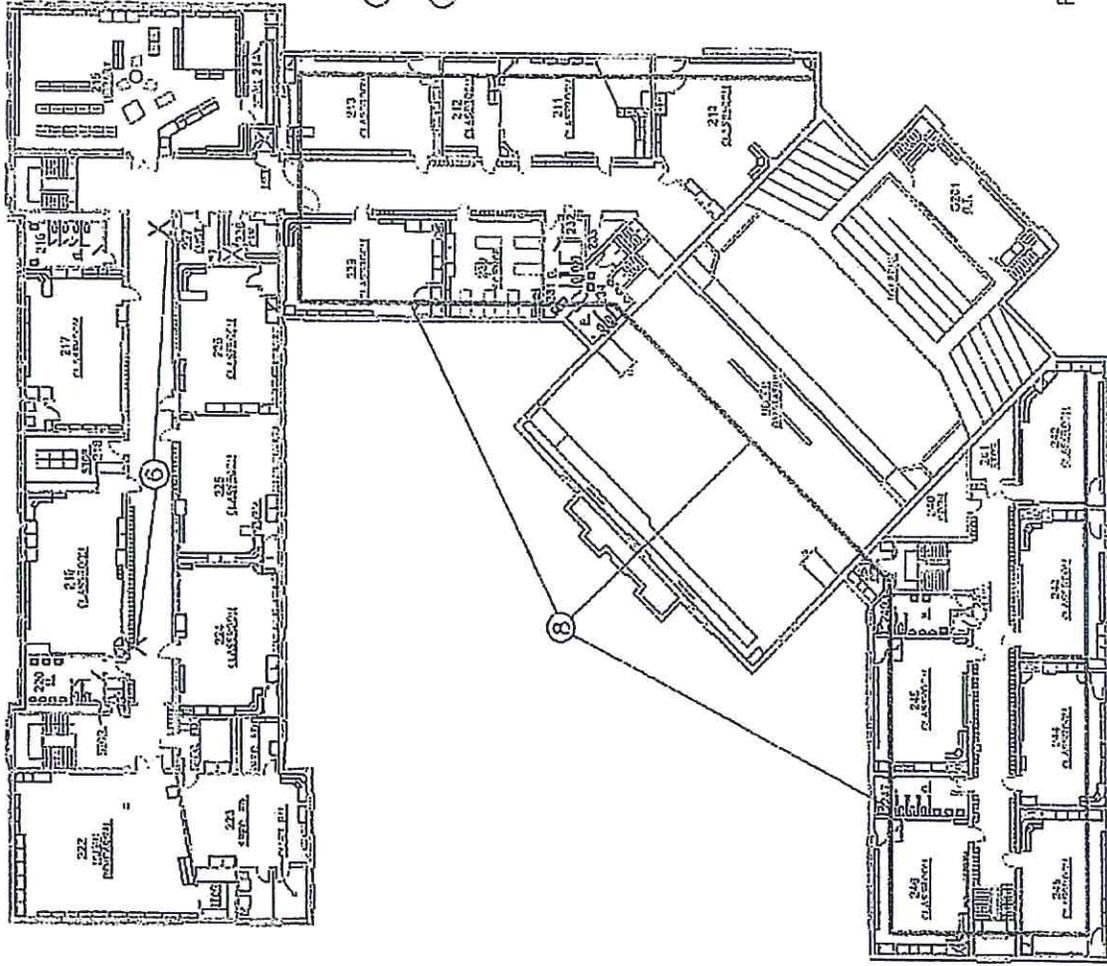


WAHPETON CENTRAL
ELEMENTARY SCHOOL
1929/1949 BUILDINGS
FIRST FLOOR
ACM LOCATIONS



- ① -2 VERTICAL STEAM SUPPLY LINE FROM BASEMENT TO ATTIC
- ② -2 VERTICAL DOMESTIC WATER LINES IN WALL AND CHASE
- ③ -3 DOMESTIC WATER LINES IN VERTICAL CHASE IN KITCHEN
- ④ -3 DOMESTIC WATER LINES ABOVE SUSPENDED CEILING TILE IN KITCHEN
- ⑤ -3 DOMESTIC WATER LINES IN VERTICAL WALL IN EAST WALL OF KITCHEN
- ⑥ -DOMESTIC WATER SUPPLY LINE IN WALL SERVING DRINKING FOUNTAIN
- ⑦ -VERTICAL STEAM IN WEST WALL & ABOVE SUSPENDED CEILING TILE, VERTICAL DOMESTIC IN SOUTH WALL & ABOVE SUSPENDED CEILING TILE

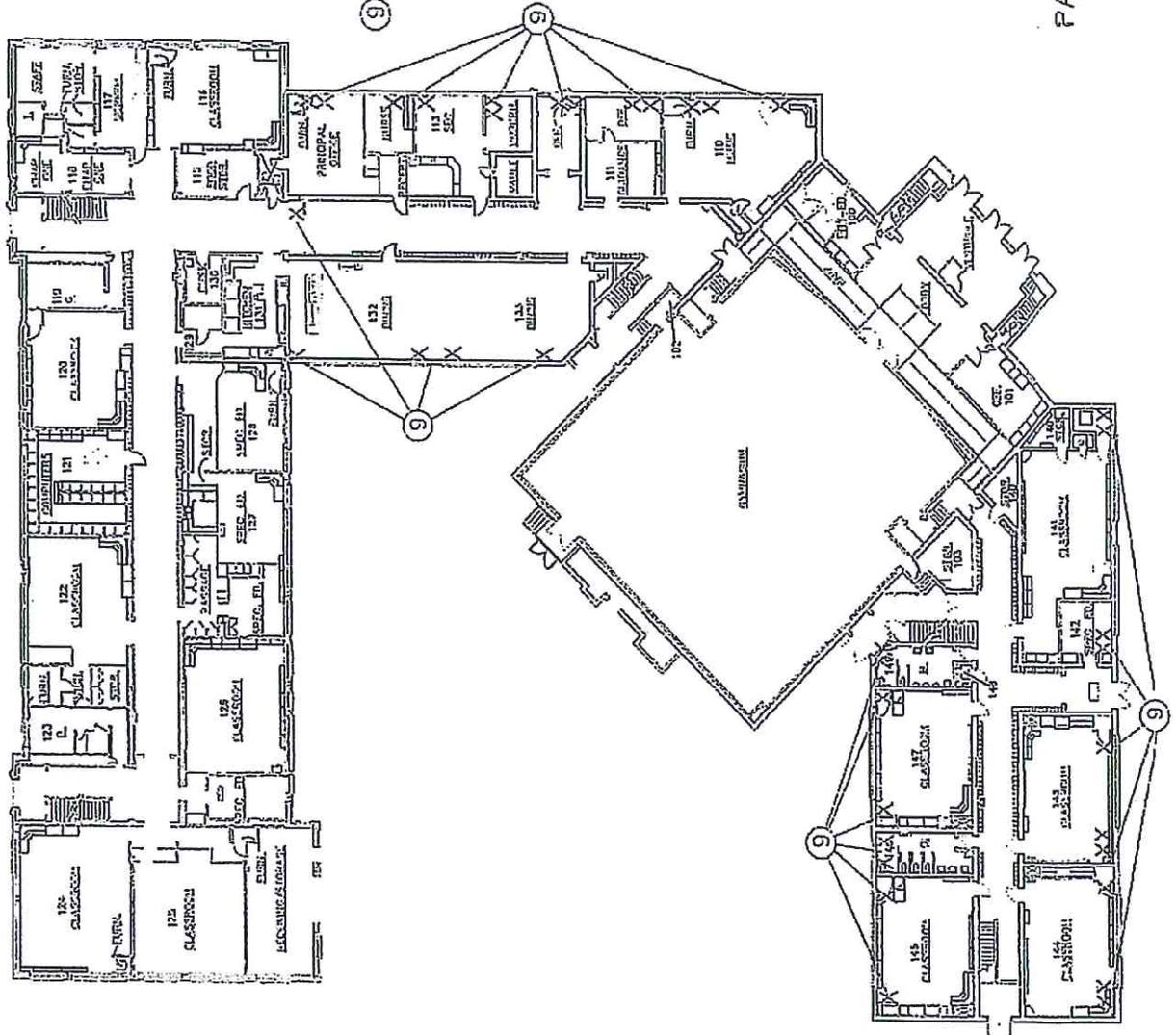
WAHPETON CENTRAL
 ELEMENTARY SCHOOL
 1929/1949 BUILDINGS
 SECOND FLOOR
 ACM LOCATIONS



- ⑥ -DOMESTIC WATER SUPPLY LINE IN WALL SERVING DRINKING FOUNTAIN
- ⑧ STEAM LINE IN ATTIC; MAG BLOCK (6") AND AIR CELL (4")

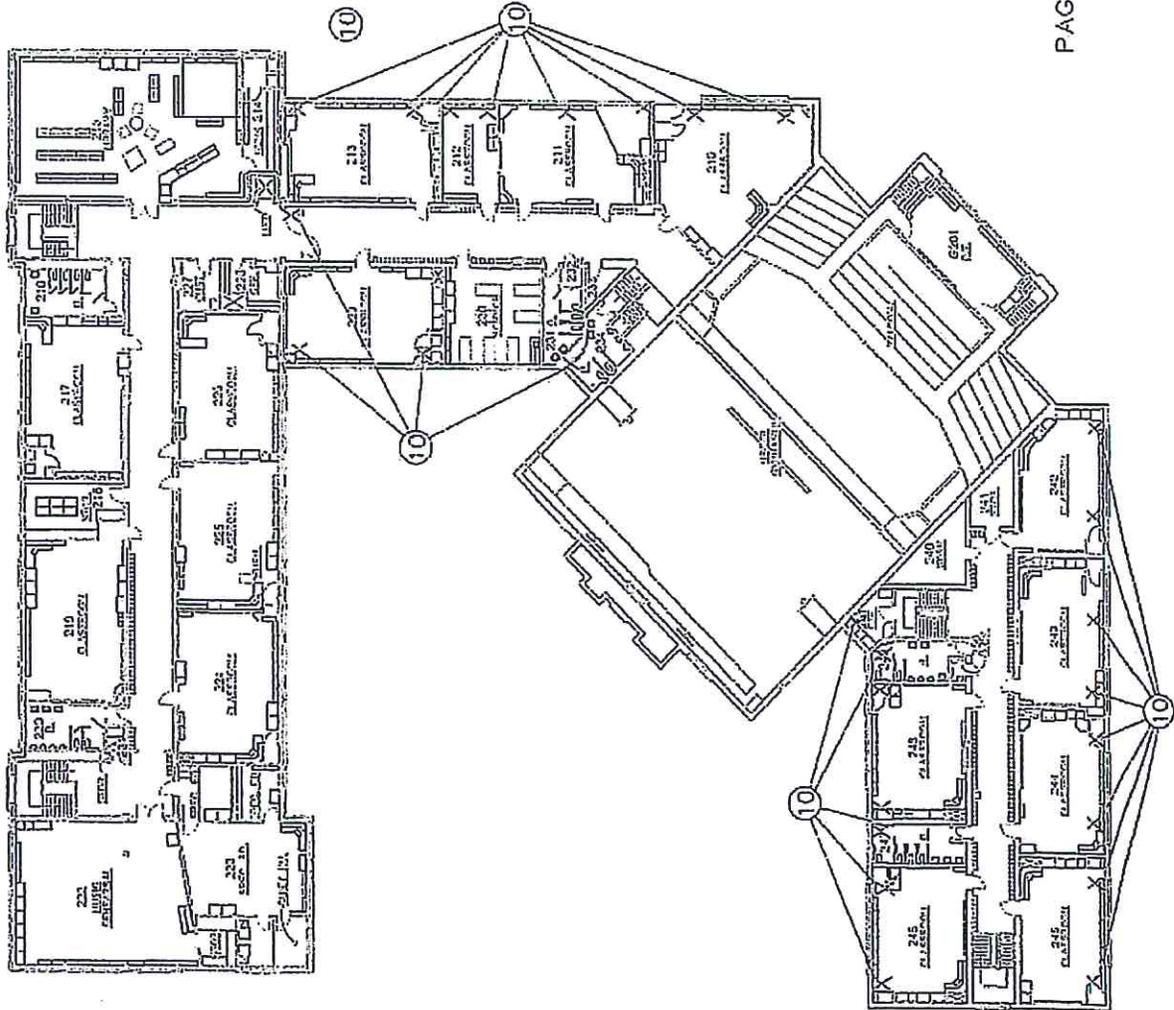
WAHPETON CENTRAL
ELEMENTARY SCHOOL
1929/1949 BUILDINGS
FIRST FLOOR
ACM LOCATIONS

⑨ - REMNANT STEAM LINE RISERS IN PLASTER
CEILING; AIR CELL APPROX. 12"

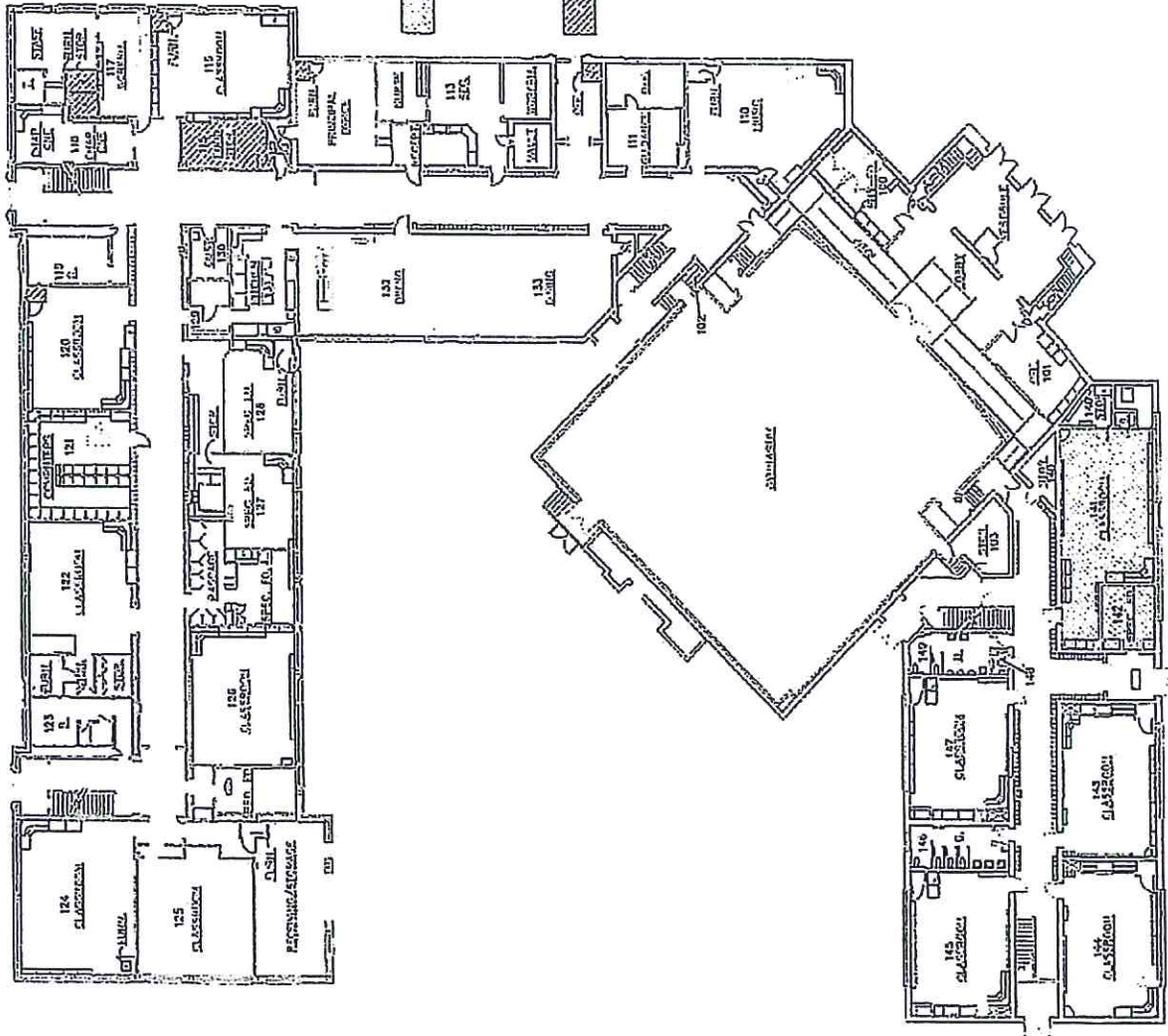


WAHPETON CENTRAL
ELEMENTARY SCHOOL
1929/1949 BUILDINGS
SECOND FLOOR
ACM LOCATIONS

⑩ - REMNANT STEAM LINE RISERS IN PLASTER
CEILING; AIR CELL, APPROX. 12"



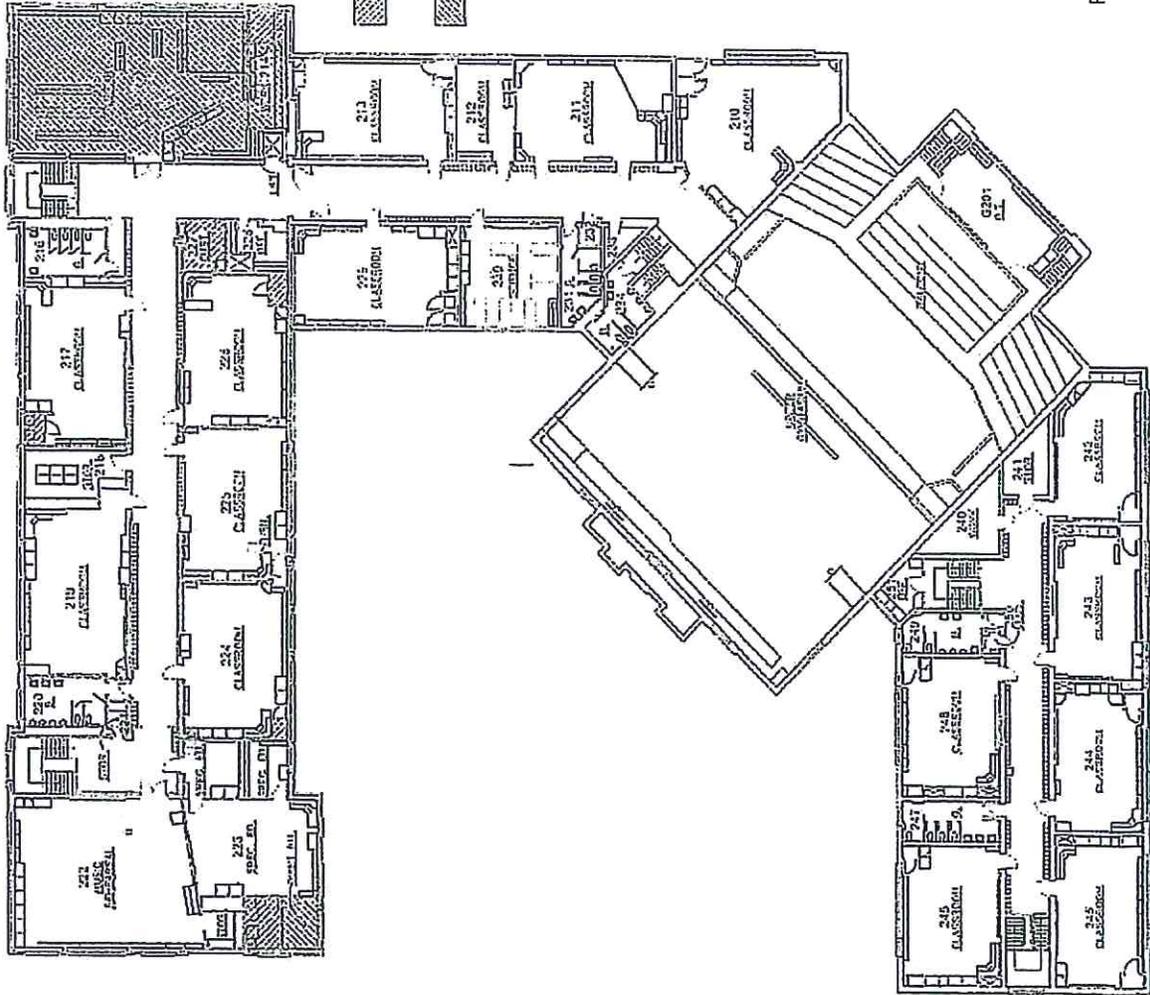
WAHPETON CENTRAL
ELEMENTARY SCHOOL
1929/1949 BUILDINGS
FIRST FLOOR
ACM LOCATIONS



-(DRAWING NOTE 1) ACOUSTICAL PLASTER ON
CEILING AND EXTENDS DOWN NORTH, EAST AND
SOUTH WALLS APPROXIMATELY 24"
(MAY EXTEND DOWN FURTHER BEHIND DRYWALL).

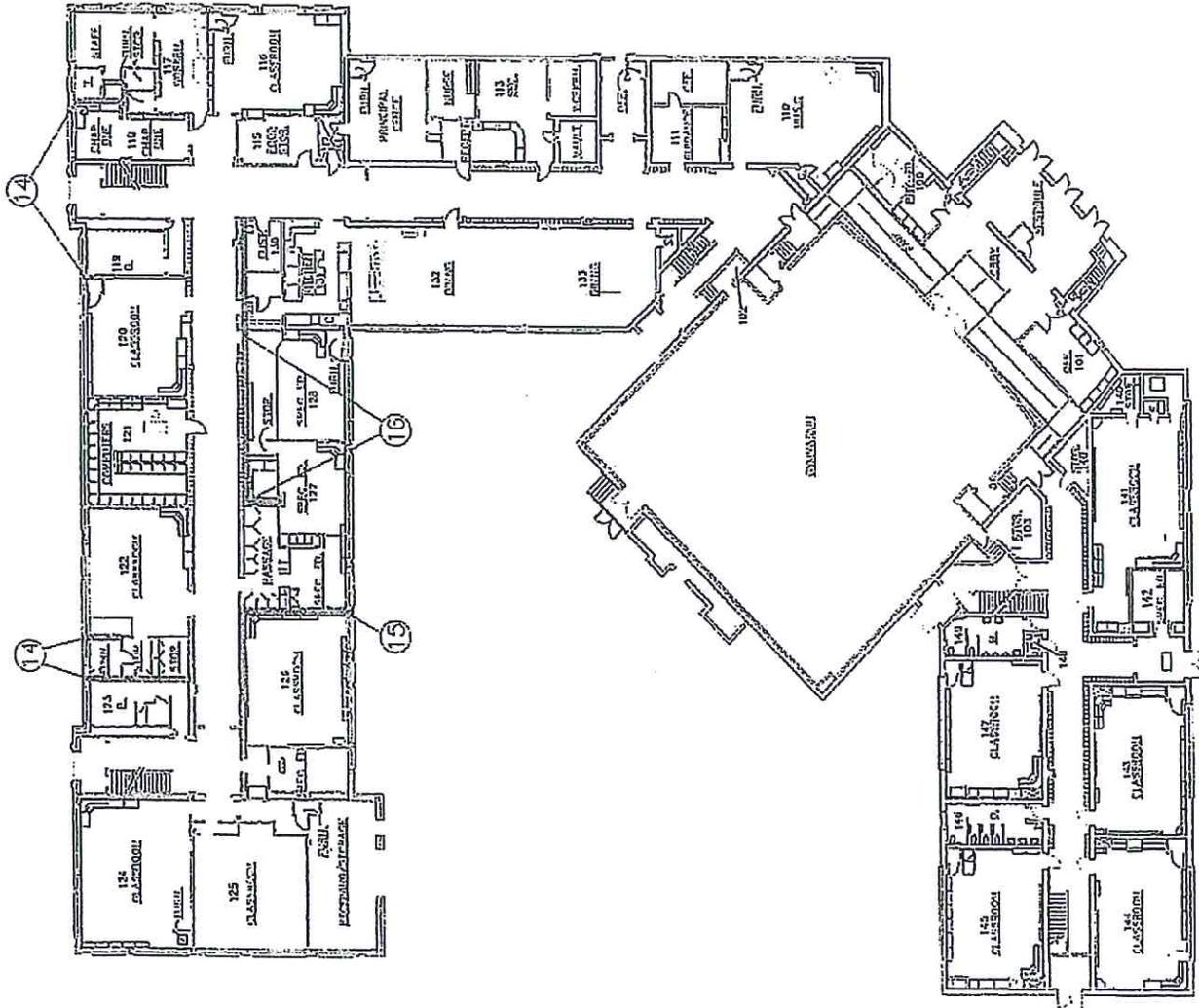
-(DRAWING NOTE 12) FLOOR TILE AND MASTIC
WHICH IS VISIBLE

WAHPETON CENTRAL
 ELEMENTARY SCHOOL
 1929/1949 BUILDINGS
 SECOND FLOOR
 ACM LOCATIONS



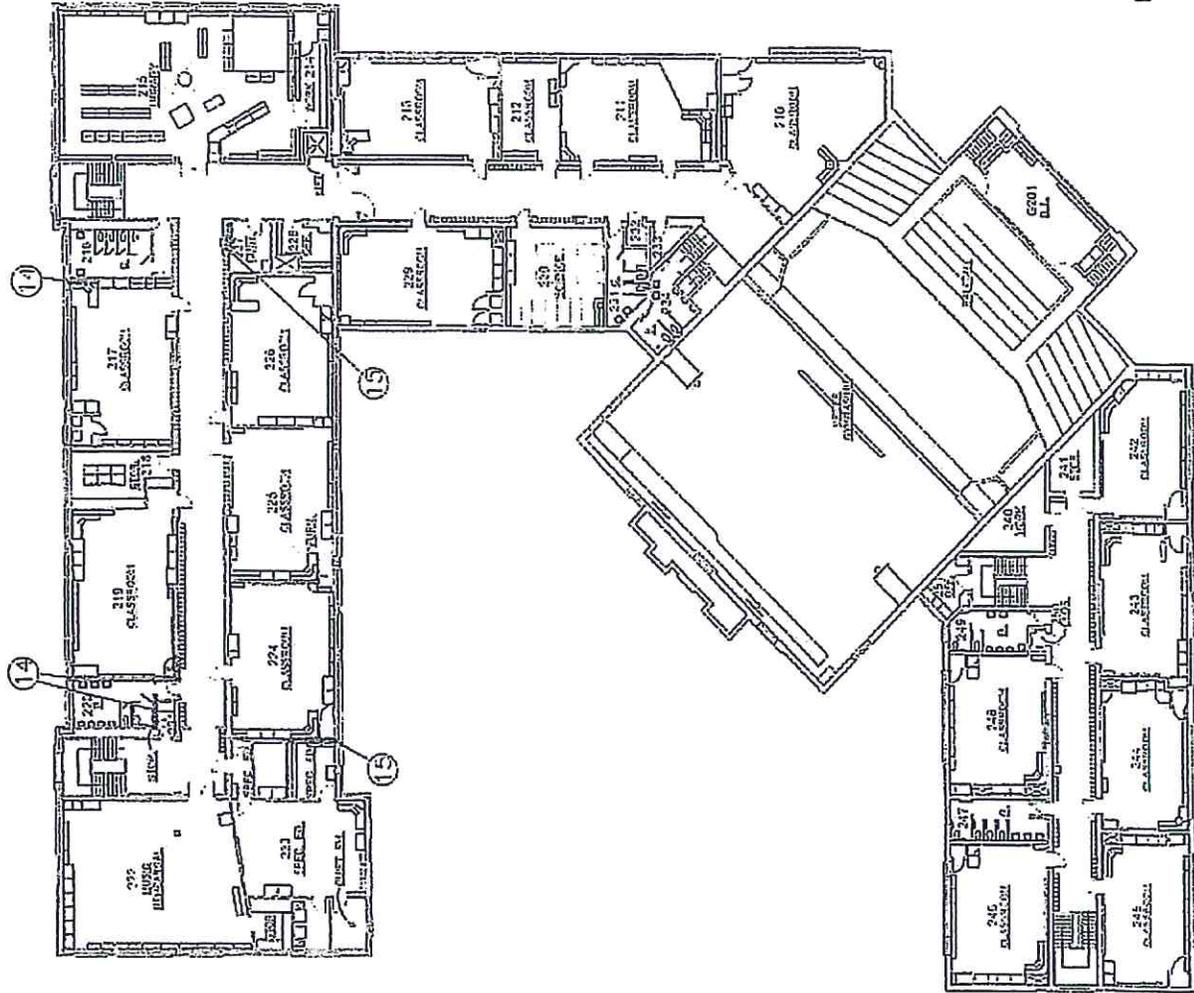
 (DRAWING NOTE 12) FLOOR TILE AND MASTIC WHICH IS VISIBLE
 (DRAWING NOTE 13) FLOOR TILE AND ADHESIVE VERIFIED BENEATH EXISTING CARPET

WAHPETON CENTRAL
ELEMENTARY SCHOOL
1929/1949 BUILDINGS
FIRST FLOOR
ACM LOCATIONS



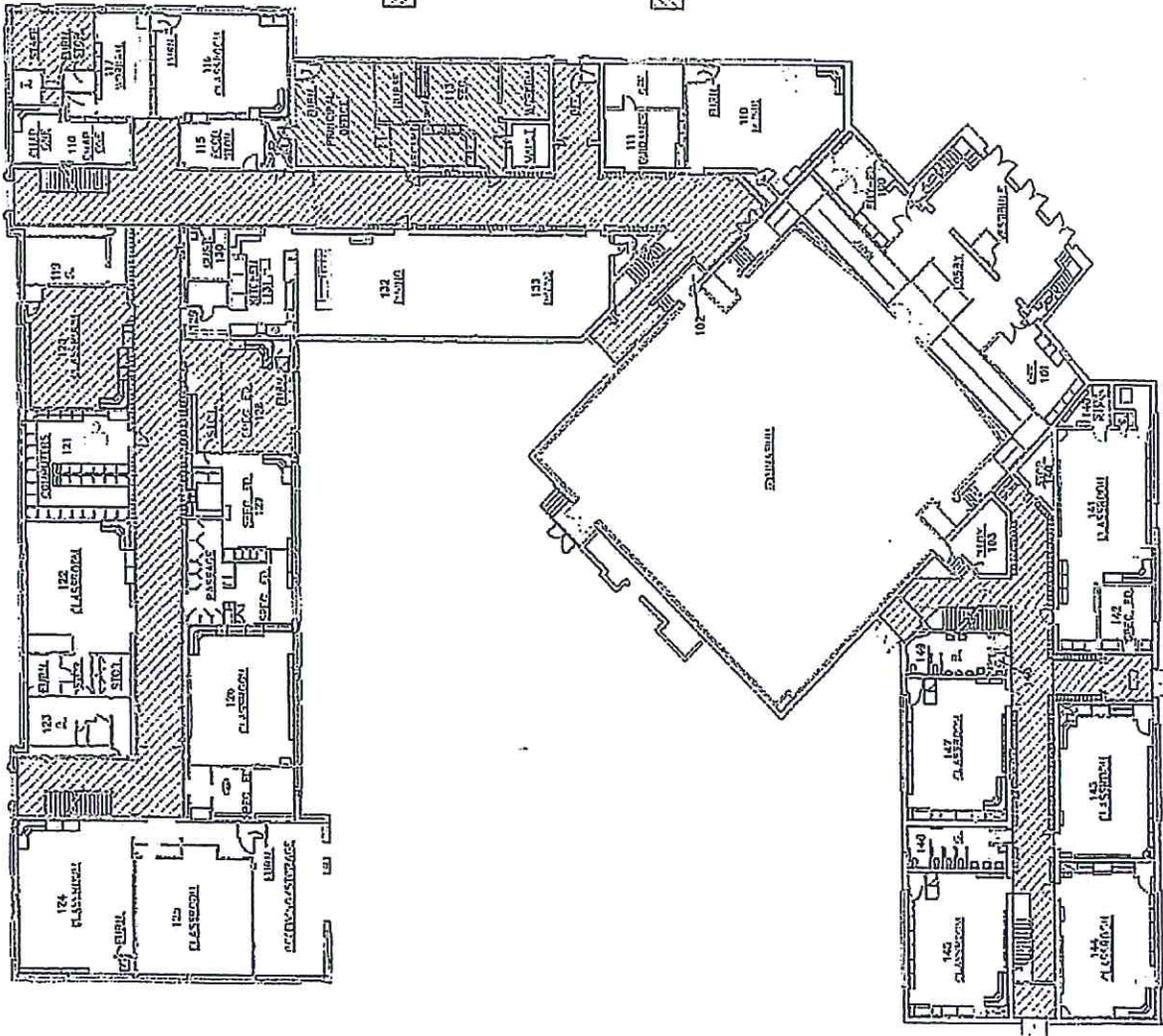
- ⑭ — ASSUMED DOMESTIC WATER LINES IN WALLS BEHIND SINK
- ⑮ — ASSUMED DOMESTIC WATER LINES IN WALLS BASED ON CONSTRUCTION DRAWINGS
- ⑯ — ASSUMED DOMESTIC WATER LINES IN FURRED SPACE BASED ON CONSTRUCTION DRAWINGS

WAHPETON CENTRAL
 ELEMENTARY SCHOOL
 1929/1949 BUILDINGS
 SECOND FLOOR
 ACM LOCATIONS



- ⑭ - ASSUMED DOMESTIC WATER LINES IN WALLS BEHIND SINK
- ⑮ - ASSUMED DOMESTIC WATER LINES IN WALLS BASED ON CONSTRUCTION DRAWINGS

WAHPETON CENTRAL
 ELEMENTARY SCHOOL
 1929/1949 BUILDINGS
 FIRST FLOOR
 ACM LOCATIONS

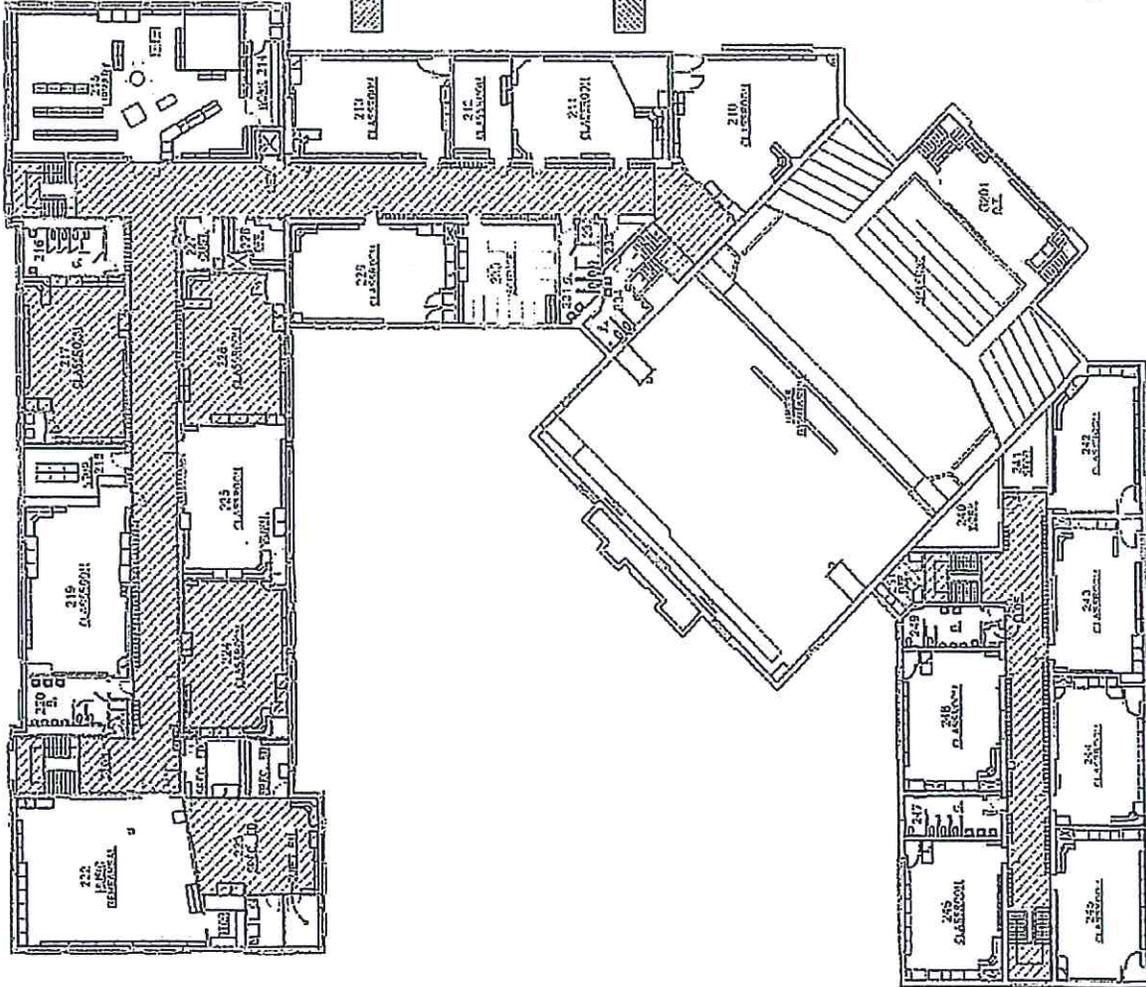


—(DRAWING NOTE 17) ASSUMED FLOOR TILE AND MASTIC BENEATH NEW TARKETT FLOORING.

NO ABATEMENT RECORDS FOUND WHICH WOULD VERIFY THE MATERIAL WAS ABATED. THESE LOCATIONS WILL NEED TO BE VERIFIED, HOWEVER DAMAGE TO THE NEW FLOORING WOULD BE REQUIRED.

—(DRAWING NOTE 18) ASSUMED FLOOR TILE AND MASTIC WHICH IS ASSUMED TO BE LOCATED BENEATH CARPET. THIS MATERIAL WILL NEED TO BE VERIFIED AND DAMAGE TO THE EXISTING FLOORING MAY BE REQUIRED.

WAIPICTON CENTRAL
 ELEMENTARY SCHOOL
 1929/1949 BUILDINGS
 SECOND FLOOR
 ACM LOCATIONS



---(DRAWING NOTE 17) ASSUMED FLOOR TILE AND MASTIC BENEATH NEW TARKETT FLOORING. NO ABATEMENT RECORDS FOUND WHICH WOULD VERIFY THE MATERIAL WAS ABATED. THESE LOCATIONS WILL NEED TO BE VERIFIED, HOWEVER DAMAGE TO THE NEW FLOORING WOULD BE REQUIRED.

---(DRAWING NOTE 18) ASSUMED FLOOR TILE AND MASTIC WHICH IS ASSUMED TO BE LOCATED BENEATH CARPET. THIS MATERIAL WILL NEED TO BE VERIFIED AND DAMAGE TO THE EXISTING FLOORING MAY BE REQUIRED.

Appendix IV

Bulk Sample Database

CENTRAL ELEMENTARY
ASBESTOS BULK SAMPLING DATABASE

SAMPLE NUMBER	YEAR SAMPLED	SAMPLED MATERIAL	ROOM # / LOCATION	PERCENT & TYPE OF ASBESTOS
WC-01	1988	Plaster	Rm 210 NW corner	None Detected
WC-02	1988	Plaster	East Wing West Hall by Gym	None Detected
WC-03	1988	Plaster	East Wing NW Stair landing	None Detected
WC-04	1988	Plaster	Principals Office NW corner	None Detected
WC-05	1988	Plaster	Rm 141 NE corner	None Detected
WC-06	1988	Plaster	East Wing Hall by Rm 229	None Detected
WC-07	1988	Plaster	East Wing Hall by Rm 113	None Detected
WC-08	1988	12" Ceiling Tile	Rm 132 East End	None Detected
WC-09	1988	12" Ceiling Tile	Rm 132 Middle of Room	None Detected
WC-10	1988	12" Ceiling Tile	Principals Office West end	None Detected
WC-11	1988	2 x 4 Fissured Ceiling Tile	Rm 230 NE corner	None Detected
WC-12	1988	2 x 4 Fissured Ceiling Tile	Rm 141 SW corner room	None Detected
WC-13	1988	2 x 4 Fissured Ceiling Tile	Rm 248 NE corner	None Detected
WC-14	1988	2 x 4 Fissured Ceiling Tile	Rm 245 SW corner	None Detected
WC-15	1988	2 x 4 Fissured Ceiling Tile	Rm 144 SW corner	None Detected

APPENDIX IV

CENTRAL ELEMENTARY
ASBESTOS BULK SAMPLING DATABASE

SAMPLE NUMBER	YEAR SAMPLED	SAMPLED MATERIAL	ROOM # / LOCATION	PERCENT & TYPE OF ASBESTOS
WC-16	1988	2 x 4 Fissured Ceiling Tile	Principals Office NW corner	None Detected
WC-17	1988	2 x 4 Fissured Ceiling Tile	Rm 210 SE corner	None Detected
WC-18	1988	9" Black & White Floor Tile	Rm 113	Chrysotile 1-5%
WC-19	1988	9" Black & White Floor Tile	Rm 113	Not Analyzed
WC-20	1988	9" Black & White Floor Tile	Rm 113	Not Analyzed
WC-21	1988	9" Green & White Floor Tile	Rm 113	Chrysotile 1-5%
WC-22	1988	9" Green & White Floor Tile	Rm 113	Not Analyzed
WC-23	1988	9" Green & White Floor Tile	Rm 113	Not Analyzed
WC-24	1988	9" Gray & White Floor Tile	Rm 251	Chrysotile 1-5%
WC-25	1988	9" Gray & White Floor Tile	Rm 113	Not Analyzed
WC-26	1988	9" Gray & White Floor Tile	Rm 113	Not Analyzed
WC-27	1988	6" Brown & Black Floor Tile	West Wing 2nd floor hall middle of hall	None Detected
WC-28	1988	6" Brown & Black Floor Tile	East Wing, 2nd floor hall by Rm 229	Chrysotile 1-5%
WC-29	1988	6" Brown & Black Floor Tile	West Wing 1st floor hall by room 146	Not Analyzed
WC-30	1988	6" Light Brown Floor Tile	West Wing 2nd floor hall by rm 245	Chrysotile 1-5%

CENTRAL ELEMENTARY
ASBESTOS BULK SAMPLING DATABASE

SAMPLE NUMBER	YEAR SAMPLED	SAMPLED MATERIAL	ROOM # / LOCATION	PERCENT & TYPE OF ASBESTOS
WC-31	1988	6" Light Brown Floor Tile	West Wing 1st floor hall by room 145	Not Analyzed
WC-32	1988	6" Light Brown Floor Tile	East Wing, 2nd floor hall by room 213	Not Analyzed
WC-33	1988	9" x 18" Black Floor Tile	Room 213	Chrysotile 1-5%
WC-34	1988	9" x 18" Black Floor Tile	Room 251	Not Analyzed
WC-35	1988	9" x 18" Black Floor Tile	Room 213	Not Analyzed
WC-36	1988	6" x 12" Maroon Floor Tile	West Wing 1st floor hall by room 148	Chrysotile 1-5%
WC-37	1988	6" x 12" Maroon Floor Tile	East wing 1st floor hall by room 110	Not Analyzed
WC-38	1988	6" x 12" Maroon Floor Tile	East wing 2nd floor by room 213	Not Analyzed
WC-39	1988	6" Dark Maroon Floor Tile	East wing 1st floor by room 132	Chrysotile 1-5%
WC-40	1988	6" Dark Maroon Floor Tile	Room 213	Not Analyzed
WC-41	1988	6" Dark Maroon Floor Tile	East Wing 1st Floor East End	Not Analyzed
WC-42	1988	Linoleum	Room 132	Chrysotile 15-30%
WC-43	1988	Linoleum	Room 133	Not Analyzed
WC-44	1988	Linoleum	Room 134	Not Analyzed
WC-45	1988	Joint Taping Compound	Unknown	None Detected

CENTRAL ELEMENTARY
ASBESTOS BULK SAMPLING DATABASE

SAMPLE NUMBER	YEAR SAMPLED	SAMPLED MATERIAL	ROOM # / LOCATION	PERCENT & TYPE OF ASBESTOS
WC-46	1988	Joint Taping Compound	Unknown	None Detected
WC-47	1988	Joint Taping Compound	Unknown	None Detected
WC-48	1988	9" Aqua Blue Floor Tile	Rm 251	Chrysotile 1-5%
WC-49	1988	9" Aqua Blue Floor Tile	Rm 251	Not Analyzed
WC-50	1988	9" Aqua Blue Floor Tile	Rm 252	Not Analyzed
WC-51	1988	9" Beige Floor Tile	Room 213	Chrysotile 1-5%
WC-52	1988	9" Beige Floor Tile	Room 251	Not Analyzed
WC-53	1988	9" Beige Floor Tile	Room 213	Not Analyzed
WC-55	1988	Steam Pipe Covering	Tunnel by front entrance	Chrysotile 1-5%
WC-59	1988	Steam Pipe Covering	Tunnel by front entrance	Chrysotile 1-5%
WC-61	1988	Boiler Covering	Boiler Room	Chrysotile 5-15%
WC-63	1988	Hot Water Tank Insulation	Boiler Room	None Detected
WC-66	1988	Domestic Pipe Insulation	Boys Locker Room	Chrysotile 1-5%
WC-67	1988	Domestic Pipe Insulation	Boiler Room	Not Analyzed
WC-68	1988	Domestic Pipe Insulation	Boiler Room	Not Analyzed

CENTRAL ELEMENTARY
ASBESTOS BULK SAMPLING DATABASE

SAMPLE NUMBER	YEAR SAMPLED	SAMPLED MATERIAL	ROOM # / LOCATION	PERCENT & TYPE OF ASBESTOS
WC-69	1988	Domestic Mudded Fittings	Boys Locker Room	Chrysotile 5-15%
WC-70	1988	Domestic Mudded Fittings	Boiler Room	Not Analyzed
WC-71	1988	Domestic Mudded Fittings	Boiler Room	Not Analyzed
WC-72	1988	White Expansion Joint	Fan Room	None Detected
WC-73	1988	Green Floor Tile	Room 212	Chrysotile <1%
WC-74	1988	Green Floor Tile	Room 213	None Detected
WC-75	1988	Green Floor Tile	Room 214	Chrysotile <1%
WC-76	1988	Maroon Floor Tile	Room 213	Chrysotile 1-5%
WC-77	1988	Maroon Floor Tile	Room 213	Not Analyzed
WC-78	1988	Maroon Floor Tile	Room 213	Not Analyzed
WC-79	1988	Black Floor Tile	East Wing 2nd floor east end of hall	Chrysotile 1-5%
WC-80	1988	Black Floor Tile	West wing 2nd floor hall by room 247	Not Analyzed
WC-81	1988	Black Floor Tile	West wing 1st floor hall north end of hall	Not Analyzed
1A	2015	Acoustical Plaster	Rm W141	Chrysotile 5%
1B	2015	Acoustical Plaster	Rm W141	Chrysotile 5%

APPENDIX IV

CENTRAL ELEMENTARY
ASBESTOS BULK SAMPLING DATABASE

SAMPLE NUMBER	YEAR SAMPLED	SAMPLED MATERIAL	ROOM # / LOCATION	PERCENT & TYPE OF ASBESTOS
1C	2015	Acoustical Plaster	Rm W141	Chrysotile 5%
2A	2015	12" Ceiling Tile Mastic	Rm 113	None Detected
2B	2015	12" Ceiling Tile Mastic	Rm 213	None Detected

Appendix V

Asbestos Lab Analysis

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0159213

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: TRIO ENVIRONMENTAL Job# / P.O. #: T15-213
Address: 2111 E. MAIN AVE, STE 9 Date Received: 08/14/2015
WEST FARGO ND 58078 Date Analyzed: 08/17/2015
Collected: 08/13/2015 Date Reported: 08/17/2015
Project Name: WAHPETON PS-CENTRAL ELEMENTARY EPA Method: EPA 600/R-93/116
Address: Submitted By: SCOTT SEAMANDS
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0159213-001 1A	1929 ADDITION-RM W141, SE CRNR	Acoustical Plaster, Off White/ Beige/ Brown	Yes	Chrysotile 5%	Mica Gypsum Carbonates Binder/Filler 95%
0159213-002 1B	1929 ADDITION-RM W141, NE CRNR	LAYER 1 Acoustical Plaster, Off White/ Beige/ Brown	Yes	Chrysotile 5%	Mica Gypsum Carbonates Binder/Filler 95%
		LAYER 2 Plaster, White Note: Difficult to separate adjacent layer	Yes	Chrysotile <1%	Carbonates Gypsum Quartz Mica Binder/Filler 99%
0159213-003 1C	1929 ADDITION-RM W141, NW CRNR	Acoustical Plaster, Off White/ Beige/ Brown	Yes	Chrysotile 5%	Mica Gypsum Carbonates Binder/Filler 95%
0159213-004 2A	1929 ADDITION-RM 113, CEILING CENTER	12" Ceiling Tile Mastic, Brown	No	None Detected	Gypsum Quartz Binder/Filler 100%
0159213-005 2B	1929 ADDITION-RM 213, SW CRNR CEILING	12" Ceiling Tile Mastic, Brown	No	None Detected	Cellulose Fiber <1% Gypsum Quartz Binder/Filler 99%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0159213

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	TRIO ENVIRONMENTAL	Job# / P.O. #:	T15-213
Address:	2111 E. MAIN AVE, STE 9	Date Received:	08/14/2015
	WEST FARGO ND 58078	Date Analyzed:	08/17/2015
Collected:	08/13/2015	Date Reported:	08/17/2015
Project Name:	WAHPETON PS-CENTRAL ELEMENTARY	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	SCOTT SEAMANDS
		Collected By:	

Lab ID	Sample	Layer Name /	Asbestos	Asbestos Type	Non-Asbestos	
Client ID	Location	Sample Description	Detected	(%)	Constituents	
0159213-006 3A	1949 ADDITION-RM 116, SW CRNR	12" Ceiling Tile Mastic, Brown	No	None Detected	Cellulose Fiber Gypsum Quartz Binder/Filler	<1% 99%
0159213-007 3B	1949 ADDITION-RM 126, NW CRNR	12" Ceiling Tile Mastic, Brown	No	None Detected	Cellulose Fiber Gypsum Quartz Binder/Filler	<1% 99%



Analyst - Kenneth Scheske



Signatory - Lab Director - Kurt Kettler

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicative or representative of the quality of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-stable organically bound materials.

CHAIN OF CUSTODY

EMC Laboratories
 9830 S. 51ST St., Ste B-109
 Phoenix, AZ 85044
 (800) 362-3373 Fax (480) 893-1726

LAB#:	159213
TAT:	1 day
Rec'd:	AUG 14 AM

COMPANY NAME: TRIO ENVIRONMENTAL CONSULTING, INC
2111 E. Main Ave, Ste 9
West Fargo, ND 58078

BILL TO: _____ (If Different Location)

CONTACT: _____
 Phone/Fax: (701) 492-9224 / (701) 492-9228
 Email: trioenvironment@aol.com

Now Accepting: VISA - MASTERCARD Price Quoted: \$ ___ / Sample \$ ___ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [6-10 Day]

****Prior confirmation of turnaround time is required

****Additional charges for rush analysis (please call marketing department for pricing details)

****Laboratory analysis may be subject to delay if credit terms are not met

2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]

3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]
 (If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. Project Name: Walpeton PS - Central Elementary
 P.O. Number: _____ Project Number: T15-213

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
1	1A			Y N			
			- see attached -	Y N			
				Y N			
				Y N			
7	3B			Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			

SPECIAL INSTRUCTIONS: _____
 Sample Collector: (Print) Scott Seaman (Signature) [Signature]
 Relinquished by: [Signature] Date/Time: 8/13-15 Received by: Diana Federico Date/Time: 8/14/15
 Relinquished by: Diana Federico Date/Time: 8/14/15 Received by: [Signature] Date/Time: 8/14/15
 Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
 Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

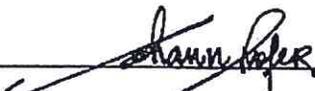
Laboratory Report
0159333

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: TRIO ENVIRONMENTAL	Job# / P.O. #: T15-213
Address: 2111 E. MAIN AVE, STE 9	Date Received: 08/18/2015
WEST FARGO ND 58078	Date Analyzed: 08/19/2015
Collected: 08/17/2015	Date Reported: 08/19/2015
Project Name: WAHPETON P.S.: CENTRAL ELEM.	EPA Method: EPA 600/R-93/116
Address: 1949 ADD,	Submitted By: SCOTT SEAMANDS
	Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0159333-001 4A	RM E215	LAYER 1 Leveling Compound, Gray	No	None Detected	Quartz Gypsum Carbonates Perille Binder/Filler 100%
		LAYER 2 Floor Tile Mastic, Black/ Tan	Yes	Chrysotile 4%	Cellulose Fiber 1% Quartz Gypsum Binder/Filler 95%
0159333-002 4B	RM E215	LAYER 1 Leveling Compound, Gray	No	None Detected	Quartz Gypsum Carbonates Perille Binder/Filler 100%
		LAYER 2 Floor Tile Mastic, Black	Yes	Chrysotile 8%	Cellulose Fiber 2% Quartz Gypsum Binder/Filler 90%


 Analyst - Johann Hofer


 Signatory - Lab Director - Kurt Kettler

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicative or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for asbestos test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-stable organically bound materials.

CHAIN OF CUSTODY

EMC Laboratories
 9830 S. 51ST St., Ste B-109
 Phoenix, AZ 85044
 (800) 362-3373 Fax (480) 893-1726

LAB#:	159333
TAT:	1 day
Rec'd:	AUG 18 AM.

COMPANY NAME: TRIO ENVIRONMENTAL CONSULTING, INC BILL TO: _____ (If Different Location)

2111 E. Main Ave, Ste 9

West Fargo, ND 58078

CONTACT: _____

Phone/Fax: (701) 492-9224 / (701) 492-9228

Email: trioenvironment@aol.com

Now Accepting: VISA - MASTERCARD Price Quoted: \$ ___ / Sample \$ ___ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [6-10 Day]
- ****Prior confirmation of turnaround time is required
- ****Additional charges for rush analysis (please call marketing department for pricing details)
- ****Laboratory analysis may be subject to delay if credit terms are not met
2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]
3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]
- (If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. Project Name: Wahpeton P.S: Central Elementary 1949 Add.

P.O. Number: _____ Project Number: T15-213

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS		
					ON	OFF	FLOW RATE
				Y N			
1	4A		Floor Tile Mastic - Rm E215	(Y) N			
2	4B		Floor Tile Mastic - Rm E215	(Y) N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			
				Y N			

SPECIAL INSTRUCTIONS: _____

Sample Collector: (Print) Scott Seaman (Signature) [Signature]

Relinquished by: [Signature] Date/Time: 8-17-15 Received by: Diana Pedersen Date/Time: 8/18/15

Relinquished by: Diana Pedersen Date/Time: 8/18/15 Received by: [Signature] Date/Time: 8-18-15

Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

Rev. 09/01/08

Appendix VI

Certificates / Licenses

State of North Dakota

SECRETARY OF STATE



CERTIFICATE OF INCORPORATION OF

TRIO ENVIRONMENTAL CONSULTING, INC.

The undersigned, as Secretary of State of the State of North Dakota, hereby certifies that Articles of Incorporation for the incorporation of

TRIO ENVIRONMENTAL CONSULTING, INC.

duly signed and verified pursuant to the North Dakota statutes governing a North Dakota BUSINESS CORPORATION, have been received in this office and are found to conform to law.

ACCORDINGLY the undersigned, as such Secretary of State, and by virtue of the authority vested in him by law, hereby issues this Certificate of Incorporation to

TRIO ENVIRONMENTAL CONSULTING, INC.

Effective date of incorporation: March 12, 2003

Issued: March 12, 2003

A handwritten signature in cursive script, reading "Alvin A. Jaeger".

Alvin A. Jaeger
Secretary of State

State of North Dakota

SECRETARY OF STATE



CONTRACTORS LICENSE RENEWAL

NO: 30524 CLASS D

I, Alvin A. Jaeger, Secretary of State of the State of North Dakota, and as Registrar of Contractors, certify that **TRIO ENVIRONMENTAL CONSULTING, INC.** whose address is West Fargo, ND has filed in this office proper application for Renewal of Class D Contractor's License valid to March 1, 2016, and has paid the required fee, and has complied with all requirements of Chapter 43-07, North Dakota Century Code.

TRIO ENVIRONMENTAL CONSULTING, INC. therefore, is entitled to bid on and accept contracts as authorized by law, under this license, provided that such contracts may not exceed in value the sum of \$50,000.00 for any single contract.

Dated January 20, 2015.

A handwritten signature in cursive script that reads "Alvin A. Jaeger".

Alvin A. Jaeger
Secretary of State



North Dakota
Department of Health

Asbestos Abatement Contractor License

This is to certify that **TIRIO ENVIRONMENTAL CONSULTING, INC.** is licensed in accordance with Chapter 33-15-13 of the North Dakota Air Pollution Control Rules to perform Asbestos Abatement Work in the State of North Dakota.

Expires on December 31, 2015
Certificate No. ND 331

Dale P. Patrick
Dale P. Patrick, Manager
Asbestos Control Program



North Dakota
Department of Health

Lead-Based Paint Abatement Contractor License

This is to certify that TRIO ENVIRONMENTAL CONSULTING, INC. is licensed in accordance with Chapter 33-15-24 of the North Dakota Air Pollution Control Rules to perform Lead-Based Paint Abatement Work in the State of North Dakota.

Expires on April 27, 2018

Certificate No. ND - 024

Dale P. Patrick

Dale P. Patrick, Manager
Lead-Based Paint Abatement Program



North Dakota Workforce
Safety & Insurance

**CERTIFICATE OF
PREMIUM PAYMENT**
WORKFORCE SAFETY & INSURANCE
EMPLOYER SERVICES
SFN 4920 (04/2007)

1600 EAST CENTURY AVENUE, SUITE 1
PO BOX 5585
BISMARCK ND 58506-5585
Telephone 1-800-777-5033
Toll Free Fax 1-888-786-8695
TTY (hearing impaired) 1-800-366-6888
Fraud and Safety Hotline 1-800-243-3331
www.WorkforceSafety.com

TRIO ENVIRONMENTAL CONSULTING INC
2111 E MAIN AVENUE
WEST FARGO ND 58078-

Employer Account Number: 1275712

Issued Date: 04/20/2015

Expiration Date: 06/14/2016

CERTIFICATE OF PREMIUM PAYMENT

This is to certify that North Dakota Workers Compensation coverage is effective for the employer named on this certificate. Employees of the named employer are entitled to apply for the rights and benefits of Workforce Safety and Insurance (WSI).

Coverage under this certificate extends to North Dakota based employers for their North Dakota exposure. Limited coverage extends beyond the physical boundaries of North Dakota. Contact the Policyholder Services Department of WSI at 1-800-777-5033 for further information on coverage issues or to inquire into the status of the holder of this certificate.

North Dakota Century Code § 65-04-04 requires that each employer post this Certificate of Premium Payment in a conspicuous manner at the workplace. A penalty of \$250 may apply for failure to comply with this requirement.

A Certificate of Premium Payment may be revoked for failure to make required premium payments.

Barry Schumacher

Barry Schumacher
Chief of Employer Services

Class	Classification Description
5603 5603X	Consulting Engineers Officer/Owner or Family Member Coverage



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
06/04/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Hekner Lybeck Erickson Insurance PO Box 185 Buffalo ND 58011	CONTACT NAME: Tammy Erickson PHONE (A/C, Ho, Fax): 7016335122 E-MAIL ADDRESS: mvinsur@lclc.com FAX (A/C, No):
	INSURER(S) AFFORDING COVERAGE INSURER A: Rockhill Insurance co. INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:
INSURED Trio Environmental Consulting Inc. 2111 E Main Ave West Fargo ND 58078	NAIC #

COVERAGES	CERTIFICATE NUMBER:	REVISION NUMBER:
------------------	----------------------------	-------------------------

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR	WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC			ENVP 002527-03	05/06/2015	05/06/2016	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ 5000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALLOWED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED. <input type="checkbox"/> RETENTIONS						EACH OCCURRENCE \$ AGGREGATE \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y <input type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			N/A			WC STATUTORY LIMITS <input type="checkbox"/> OTH-ER <input type="checkbox"/> EL EACH ACCIDENT \$ EL DISEASE - EA EMPLOYEE \$ EL DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
---------------------------	--



North Dakota Department of Health
Certificate

of No. 259

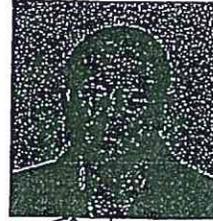
Asbestos Abatement

This is to certify that Scott A. Seamands has met the requirements of Chapter 33-15-10 of the North Dakota Air Pollution Control Rules for certification in the following asbestos abatement discipline(s):

- Supervisor Exp: 2/9/2016
- Worker
- Inspector Exp: 2/10/2016
- Management Planner Exp: 2/10/2016
- Project Designer Exp: 2/11/2016
- Project Monitor Exp: 2/11/2016

Asbestos Control Program

J.S.L. DTP



Director, Env. Health Div.



ASBESTOS INSPECTOR

Certified by State of Minnesota Department of Health
Expires: 02/10/2016
Scott A. Seamands
1426 River St
West Fargo, ND 58078

No. A12236

Issued: 02/17/2015



Director, Env. Health Div.



ASBESTOS SUPERVISOR

Certified by State of Minnesota Department of Health
Expires: 02/09/2016
Scott A. Seamands
1426 River St
West Fargo, ND 58078

No. AS2236

Issued: 02/17/2015



Director, Env. Health Div.



LEAD Risk Assessor

Licensed by: State of Minnesota Department of Health
License No. LR827
Expires 04/02/2015

Scott A. Seamands
1224 2nd St W
West Fargo, ND 58078



Director, Env. Health Div.



ASBESTOS PROJECT DESIGNER

Certified by State of Minnesota Department of Health
Expires: 02/11/2016
Scott A. Seamands
1426 River St
West Fargo, ND 58078

No. AD2236

Issued: 02/17/2015



Director, Env. Health Div.



ASBESTOS MANAGEMENT PLANNER

Certified by State of Minnesota Department of Health
Expires: 02/10/2016
Scott A. Seamands
1426 River St
West Fargo, ND 58078

No. AM2236

Issued: 02/17/2015