



**N O R T H E R N**  
**Analytical Services, LLC.**  
ENVIRONMENTAL CONSULTANTS

**Three Year  
Asbestos  
Re-Inspection  
Report**

**For**

**New Branches Charter Academy  
3662 Poinsettia Avenue, SE  
Grand Rapids, Michigan 49508**

**Prepared By:**

**Northern Analytical Services, LLC.  
14870 225<sup>th</sup> Avenue  
Big Rapids, Michigan 49307**

**Dated:  
October 9, 2015**

**Project No. 150264**

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New Branches Charter Academy  
3 Year AHERA Re-Inspection Report  
Project No. 150264  
October 9, 2015

## **Introduction**

The following Three-Year Asbestos Re-Inspection Report was completed for New Branches Charter Academy which is located at 3662 Poinsettia Avenue SE, Grand Rapids, Michigan 49508. Re-Inspection activities were limited to the known or assumed asbestos containing materials identified in the 2001 3 Year Re-inspection Report prepared by others.

In accordance with the Asbestos Hazard Emergency Response Act (AHERA), all buildings owned and/or operated by K-12 school districts are required to be incorporated in the districts management plan. These regulations allow for buildings, or portions of buildings, constructed after 1986 to either be inspected for the presence of asbestos containing materials (ACM) or be accompanied by a statement from the architect/construction manager stating that no ACM was installed during construction activities. Northern Analytical Services, LLC. (NAS) recommends that acceptable statements be obtained and attached to this report for any future renovation/construction activities.

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3 Year AHERA Re-Inspection Report  
Project No. 150264  
October 9, 2015

### **Company Statement**

This Re-inspection Report was prepared by Northern Analytical Services, LLC. to assist New Branches Charter Academy in meeting the 3 Year Re-Inspection requirements set forth by AHERA.

In preparation of this “living document”, every attempt has been made to recommend the least burdensome response actions consistent with protecting human health and the environment as specified by AHERA.

AHERA states that the management plan is the ultimate responsibility of the owner/operator of the facility; in this case the Owner/Operator is New Branches Charter Academy. The owner/operator has the authority to make reasonable changes to the management plan.

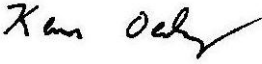
It is the responsibility of the owner/operator to read and understand the response actions, their obligations, time tables, and to determine if these actions are reasonable actions prior to signing the owner/operator statement. Any changes or additions to this document without written authorization from NAS will automatically void the inspection and management plan statements for 2015.

If the owner/operator decides to make changes to this report without authorization from NAS or decides to make changes which conflict with the advice and/or professional judgment of NAS, a separate statement shall accompany the management plan and should specify which recommended actions the owner/operator has decided to change, the actual changes and rationale for the changes. Should this occur, NAS will not accept any responsibility for changes to any response actions that weren't stated previously by NAS.

**AHERA Inspection Signature Page**


Inspection Statement

The person(s) listed below hereby attest(s) that he/she/they did inspect, assess and perform sampling of suspect asbestos containing building materials (ACBM) at the buildings/ portions of buildings listed in this report on October 6, 2015 in accordance with AHERA regulations set forth in 40 CFR Section 763.85(a):

Name	Accreditation No.	Signature	Date
Kevin Delancey	A39427		10/9/2015

Management Plan Statement

The person(s) listed below hereby attest(s) that he/she/they did review data which may have updated the management plan for New Branches Charter Academy. Any recommendations are based on the above referenced inspection report completed on October 9, 2015 in accordance with AHERA regulations set forth in 40 CFR Section 763.93 (12), (ii).

Name	Accreditation No.	Signature	Date
John Rehkopf	A16809		10/9/2015

## Asbestos Background

Asbestos is a naturally occurring mineral. It is distinguished from other minerals by the fact that its crystals form long, thin fibers. Deposits of asbestos are found throughout the world. The primary sites of commercial production are: Canada, China, Brazil, Zimbabwe, and South Africa. Asbestos is also mined commercially in limited quantities in the United States, in California and Vermont.

Asbestos minerals are divided into two groups—serpentine and amphiboles. The two groups are distinguished by their crystalline structure. Serpentine minerals have a sheet or layered structure, whereas amphiboles have a chain or spike-like shape. The table below describes six asbestos minerals that are members of these two groups.

Group	Mineral	Description and Properties
Serpentine	Chrysotile	<ul style="list-style-type: none"> <li>• Green, gray, amber, or white fibers with a silky luster</li> <li>• Very high in tensile strength.</li> <li>• Good electrical insulator under dry conditions.</li> </ul> <p>Note: Chrysotile accounts for 95 percent of asbestos in buildings and commercial products.</p>
	Amosite	<ul style="list-style-type: none"> <li>• Gray, yellow, or dark brown fibers with a pearly luster course texture</li> <li>• Low tensile strength</li> </ul> <p>Note: Amosite is the second most likely type of asbestos to be found in buildings.</p>
Amphibole	Crocidolite	<ul style="list-style-type: none"> <li>• Blue fibers with a silky or dull luster</li> <li>• Good acid resistance</li> <li>• Excellent thermal insulator</li> </ul>
	Tremolite	<ul style="list-style-type: none"> <li>• Gray-white, green, yellow, or blue fibers with a silky luster</li> <li>• Moderately high degree of hardness</li> <li>• Excellent acid and chemical resistance</li> </ul>
	Actinolite	<ul style="list-style-type: none"> <li>• Hard, green fibers with a silky luster</li> <li>• Harsh texture and poor flexibility</li> <li>• Low tensile strength</li> </ul>
	Anthophyllite	<ul style="list-style-type: none"> <li>• Yellow brown, gray, or white fibers with a harsh texture</li> <li>• Poor flexibility and low tensile strength</li> <li>• Good heat and acid resistance, and a good electrical insulator under humid conditions</li> </ul>

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Asbestos has been used in literally thousands of products. Collectively, these are referred to as asbestos-containing material (ACM). Asbestos gained wide-spread use because it was plentiful, readily available, and low in cost. Because of its unique properties – fire resistance, high tensile strength, poor heat and electrical conductivity, and being generally impervious to chemicals attacks – asbestos proved well-suited for many uses in the construction trades.

Asbestos-related diseases are chronic diseases, and symptoms usually do not appear for 15 to 40 years after initial exposures to airborne asbestos fibers. In nearly all cases, many years of exposure to high levels of airborne ACM is necessary for personnel to contract asbestos-related diseases.

The primary exposure route is inhalation. Inhaled fibers may become embedded in the bronchial tubes or alveoli, or they may pass through to the pleura—the lining of the chest cavity. Asbestos-related diseases include asbestosis, lung cancer, mesothelioma, and gastrointestinal cancers.

## **Survey Procedures**

Survey procedures were conducted in accordance with AHERA. Survey work was conducted by a properly trained and accredited State of Michigan Asbestos Building Inspector (see attached credentials).

To complete this survey, the inspector(s) reviewed the 2001 3 Year Re-Inspection Report and performed an inspection of the materials identified in 2001 as either known or assumed to be asbestos containing. During the inspection, the inspector visually inspected materials for damage or the potential for damage.

## **Facility Recommendations**

Based on the findings of the Inspector, the following general site recommendations have been made:

1. Careful review of the included Survey Data and Response Actions should be conducted by the Districts Designated Person. The reports titled Homogenous Material Report will provide a detailed description of the suspect ACM found, asbestos content, friability, type of asbestos present, and the total quantity found in each building. Reports titled Survey Report will provide a description of what materials were found in each room and comments on the specific location and damage if any was observed. Reports titled Response Action Report identifies recommended response actions to be taken for each of the known or assumed to contain ACM found in each area.
2. Prior to any renovation or maintenance activity, review the Management Plan to ensure materials being impacted by the renovation/activity do not contain asbestos. Please keep in mind that neither the Management plan nor this re-inspection meets the requirements of the National Emissions Standard for Hazardous Air Pollutants (NESHAP); which requires confirmation of the asbestos content for every material prior to disturbing it. Typically an additional inspection is required to meet NESHAP requirements. There are likely materials within these buildings that were not included in the original report and must be tested prior to disturbance. Should materials likely to be disturbed not be accurately described in the existing inspection reports, contact Northern Analytical Services, LLC. for sampling. Do not disturb materials not described in the Management Plan or materials identified as asbestos containing or assumed to contain asbestos.



3. If a disturbance of ACM occurs, either accidental or planned (abatement project), area air monitoring should be conducted to establish the airborne concentration of asbestos fibers present. Both State and Federal Agency strictly govern disturbance activities and exposure to employees and building occupants. Proper air sampling can determine if area contamination has occurred as well as help assure employees and building occupants in adjacent areas are not being exposed. In addition to area monitoring, AHERA requires third party area air clearance testing whenever a disturbance occurs.
4. Records of future renovation activities should be kept. These records should include what materials were disturbed and to what extent. Also information on replacement materials is vital in keeping this survey up to date. Often Architects or Design Engineers can provide legal statements indicating that replacement materials do not contain asbestos. Other documentation of this sort would be material or product safety data sheets. If proper documentation is not available for suspect ACM's located in building constructed after 1986, sample collection and analysis is required by State and Federal Regulations.
5. Both CFR 1910.110 and CFR 1926.110 require that employers provide awareness training to all employees that are expected to come in contact with or are required to work in the general vicinity of ACM. In accordance with regulatory requirements, it is recommended that all housekeeping and maintenance employees receive, at a minimum, 2 hour asbestos awareness training. In addition, employees that are required to conduct minor clean up projects shall be provided additional training.

### **Building Specific Recommendations**

The following recommendations (not all inclusive, see Response Actions for additional recommendations) are based on the Inspector's findings, laboratory results and the Management Planner's opinion:

1. Boiler Room has damaged boiler jacketing and requires repair/removal as soon as possible.
2. Custodian 2 has two damaged pipe fittings and requires repair/removal as soon as possible.
3. Locker Room has one damaged pipe fitting and requires repair/removal as soon as possible.
4. Principles Office has one damaged fire door and requires repair/removal as soon as possible.
5. Room 001 has one damaged fire door and requires repair/removal as soon as possible.
6. Room 005 has one damaged fire door and requires repair/removal as soon as possible.
7. Storage 2 has one damaged pipe fitting and requires repair/removal as soon as possible.
8. Tunnel (Boiler Room Access) has two damaged pipe fittings and 4 lineal feet of damaged pipe insulation and requires repair/removal as soon as possible.

## **Appendix A**

# **Homogeneous Material Report**

# Homogeneous Material Report

Project No.: 150264  
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<i>Material No.</i>	<i>Homogeneous Material Description</i>	<i>Category</i>	<i>Friability*</i>	<i>RACM**</i>	<i>Asbestos Detected</i>	<i>Percent Asbestos</i>	<i>Asbestos Type</i>	<i>Quantity</i>	<i>Units</i>
1	Boiler Jacket	TSI	Friable	Yes	Yes	---	Assumed	295	Sq.Ft.
2	Pipe Wrap	TSI	Friable	Yes	Yes	---	Assumed	110	Ln.Ft.
3	Elbow	TSI	Friable	Yes	Yes	---	Assumed	300	Ln.Ft.
4	Floor Tile	MM	Category I - Non-Friable	No	Yes	---	Assumed	24900	Sq.Ft.
5	Gaskets	MM	Category I - Non-Friable	No	Yes	---	Assumed	15	Ln.Ft.
8	Fire Doors	MM	Category II - Non-Friable	Yes	Yes	---	Assumed	336	Sq.Ft.

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\* friable materials may become friable when damaged.

\*\* may become regulated asbestos containing material (RACM) when damaged.

mm = miscellaneous material

sm = surfacing material

tsi = thermal system insulation

# **Survey Report**

# Survey Report

Project No.: 150264  
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<i>Room No.</i>	<i>Material No.</i>	<i>Homogeneous Material Description</i>	<i>Asbestos Detected</i>	<i>Asbestos Type</i>	<i>Quantity</i>	<i>Units</i>	<i>Comments</i>
001	4	Floor Tile	Yes	Assumed	800	Sq.Ft.	Under Carpet
001	8	Fire Doors	Yes	Assumed	21	Sq.Ft.	1 Unit
002	4	Floor Tile	Yes	Assumed	800	Sq.Ft.	
002	8	Fire Doors	Yes	Assumed	21	Sq.Ft.	1 Unit
003	4	Floor Tile	Yes	Assumed	800	Sq.Ft.	
003	8	Fire Doors	Yes	Assumed	21	Sq.Ft.	1 Unit
004	4	Floor Tile	Yes	Assumed	800	Sq.Ft.	
004	8	Fire Doors	Yes	Assumed	21	Sq.Ft.	1 Unit
005	4	Floor Tile	Yes	Assumed	800	Sq.Ft.	
005	8	Fire Doors	Yes	Assumed	21	Sq.Ft.	1 Unit

# Survey Report

Project No.: 150264  
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<i>Room No.</i>	<i>Material No.</i>	<i>Homogeneous Material Description</i>	<i>Asbestos Detected</i>	<i>Asbestos Type</i>	<i>Quantity</i>	<i>Units</i>	<i>Comments</i>
010	4	Floor Tile	Yes	Assumed	800	Sq.Ft.	
011	4	Floor Tile	Yes	Assumed	1100	Sq.Ft.	Assumed Under Carpet
012	4	Floor Tile	Yes	Assumed	800	Sq.Ft.	Assumed Under Carpet
013	4	Floor Tile	Yes	Assumed	1100	Sq.Ft.	Assumed Under Carpet
014	4	Floor Tile	Yes	Assumed	800	Sq.Ft.	Assumed Under Carpet
015	4	Floor Tile	Yes	Assumed	280	Sq.Ft.	Assumed Under Carpet
015.1	4	Floor Tile	Yes	Assumed	80	Sq.Ft.	Assumed Under Carpet
016	4	Floor Tile	Yes	Assumed	800	Sq.Ft.	Assumed Under Carpet
017	4	Floor Tile	Yes	Assumed	800	Sq.Ft.	Assumed Under Carpet
018	4	Floor Tile	Yes	Assumed	800	Sq.Ft.	Assumed Under Carpet

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<i>Room No.</i>	<i>Material No.</i>	<i>Homogeneous Material Description</i>	<i>Asbestos Detected</i>	<i>Asbestos Type</i>	<i>Quantity</i>	<i>Units</i>	<i>Comments</i>
019	4	Floor Tile	Yes	Assumed	800	Sq.Ft.	Assumed Under Carpet
020	4	Floor Tile	Yes	Assumed	800	Sq.Ft.	Assumed Under Carpet
021	4	Floor Tile	Yes	Assumed	800	Sq.Ft.	Assumed Under Carpet
022	4	Floor Tile	Yes	Assumed	800	Sq.Ft.	12"x12", Half Assumed Under Carpet
023	4	Floor Tile	Yes	Assumed	800	Sq.Ft.	12"x12", Half Assumed under Carpet
Boiler Room	1	Boiler Jacket	Yes	Assumed	295	Sq.Ft.	See Photos for Damage
Boiler Room	3	Elbow	Yes	Assumed	6	Ln.Ft.	
Boiler Room	5	Gaskets	Yes	Assumed	15	Ln.Ft.	On Boiler
Boiler Room	8	Fire Doors	Yes	Assumed	42	Sq.Ft.	2 Units
Boiler Room 2	8	Fire Doors	Yes	Assumed	42	Sq.Ft.	2 Units

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<i>Room No.</i>	<i>Material No.</i>	<i>Homogeneous Material Description</i>	<i>Asbestos Detected</i>	<i>Asbestos Type</i>	<i>Quantity</i>	<i>Units</i>	<i>Comments</i>
Boys 2	3	Elbow	Yes	Assumed	8	Ln.Ft.	
Custodian 1	8	Fire Doors	Yes	Assumed	21	Sq.Ft.	1 Unit
Custodian 2	3	Elbow	Yes	Assumed	26	Ln.Ft.	2 Damaged
Custodian 2	8	Fire Doors	Yes	Assumed	21	Sq.Ft.	1 Unit
Girls 2	3	Elbow	Yes	Assumed	4	Ln.Ft.	
Gym Storage 1	4	Floor Tile	Yes	Assumed	200	Sq.Ft.	9"x9"
Gym Storage 2	3	Elbow	Yes	Assumed	8	Ln.Ft.	
Gym Storage 2	4	Floor Tile	Yes	Assumed	240	Sq.Ft.	9"x9"
Hall 1	4	Floor Tile	Yes	Assumed	750	Sq.Ft.	12"x12"
Hall 2	4	Floor Tile	Yes	Assumed	400	Sq.Ft.	12"x12"



# Survey Report

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<i>Room No.</i>	<i>Material No.</i>	<i>Homogeneous Material Description</i>	<i>Asbestos Detected</i>	<i>Asbestos Type</i>	<i>Quantity</i>	<i>Units</i>	<i>Comments</i>
Hall 3	4	Floor Tile	Yes	Assumed	1600	Sq.Ft.	12"x12"
Hall 4	4	Floor Tile	Yes	Assumed	1900	Sq.Ft.	9"x9"
Hall 4	4	Floor Tile	Yes	Assumed	600	Sq.Ft.	12"x12"
Hall 5	4	Floor Tile	Yes	Assumed	1100	Sq.Ft.	12"x12"
Janitor 1	4	Floor Tile	Yes	Assumed	30	Sq.Ft.	9"x9"
Janitor 1	8	Fire Doors	Yes	Assumed	21	Sq.Ft.	1 Unit
Kitchen	3	Elbow	Yes	Assumed		Ln.Ft.	Could Not Find
Kitchen	4	Floor Tile	Yes	Assumed	750	Sq.Ft.	12"x12"
Locker Room	3	Elbow	Yes	Assumed	20	Ln.Ft.	1 Damaged
Locker Room	4	Floor Tile	Yes	Assumed	15	Sq.Ft.	Mastic Only

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<i>Room No.</i>	<i>Material No.</i>	<i>Homogeneous Material Description</i>	<i>Asbestos Detected</i>	<i>Asbestos Type</i>	<i>Quantity</i>	<i>Units</i>	<i>Comments</i>
Office	4	Floor Tile	Yes	Assumed	475	Sq.Ft.	Assumed Under Carpet
Priciples Office	4	Floor Tile	Yes	Assumed	350	Sq.Ft.	Assumed Under Carpet
Priciples Office	8	Fire Doors	Yes	Assumed	21	Sq.Ft.	1 Unit
Printer	4	Floor Tile	Yes	Assumed	120	Sq.Ft.	Assumed Under Carpet
Stage	4	Floor Tile	Yes	Assumed	650	Sq.Ft.	12"x12"
Stage	4	Floor Tile	Yes	Assumed	70	Sq.Ft.	9"x9"
Storage 1	4	Floor Tile	Yes	Assumed	130	Sq.Ft.	9"x9"
Storage 1	8	Fire Doors	Yes	Assumed	42	Sq.Ft.	2 Units
Storage 2	3	Elbow	Yes	Assumed	1	Ln.Ft.	Roof Drain
Storage 2	3	Elbow	Yes	Assumed	10	Ln.Ft.	1 Damaged

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<i>Room No.</i>	<i>Material No.</i>	<i>Homogeneous Material Description</i>	<i>Asbestos Detected</i>	<i>Asbestos Type</i>	<i>Quantity</i>	<i>Units</i>	<i>Comments</i>
Storage 2	8	Fire Doors	Yes	Assumed	21	Sq.Ft.	1 Unit
Teachers R.R.	4	Floor Tile	Yes	Assumed	50	Sq.Ft.	12"x12"
Tech	4	Floor Tile	Yes	Assumed	110	Sq.Ft.	9"x9"
Tunnel	2	Pipe Wrap	Yes	Assumed	110	Ln.Ft.	4' Damaged at B.R. Access Point
Tunnel	3	Elbow	Yes	Assumed	217	Ln.Ft.	2 Damaged at B.R. Access Point

# **Response Action Report**

# Response Action Report

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<i>Function Area</i>	<i>HA No.</i>	<i>Material Description</i>	<i>Asbestos Detected</i>	<i>Quantity</i>	<i>Units</i>	<i>Damage Assessment</i>	<i>Damage Potential</i>	<i>Response Action</i>
001	4	Floor Tile	Yes	800	Sq.Ft.	No Damage	Low	Maintain O&M Plan
001	8	Fire Doors	Yes	21	Sq.Ft.	Damage	High	Repair/Remove
002	4	Floor Tile	Yes	800	Sq.Ft.	No Damage	Low	Maintain O&M Plan
002	8	Fire Doors	Yes	21	Sq.Ft.	No Damage	Low	Maintain O&M Plan
003	4	Floor Tile	Yes	800	Sq.Ft.	No Damage	Low	Maintain O&M Plan
003	8	Fire Doors	Yes	21	Sq.Ft.	No Damage	Low	Maintain O&M Plan
004	4	Floor Tile	Yes	800	Sq.Ft.	No Damage	Low	Maintain O&M Plan
004	8	Fire Doors	Yes	21	Sq.Ft.	No Damage	Low	Maintain O&M Plan
005	4	Floor Tile	Yes	800	Sq.Ft.	No Damage	Low	Maintain O&M Plan
005	8	Fire Doors	Yes	21	Sq.Ft.	Damaged	High	Repair/Remove
010	4	Floor Tile	Yes	800	Sq.Ft.	No Damage	Low	Maintain O&M Plan
011	4	Floor Tile	Yes	1100	Sq.Ft.	No Damage	Low	Maintain O&M Plan

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<i>Function Area</i>	<i>HA No.</i>	<i>Material Description</i>	<i>Asbestos Detected</i>	<i>Quantity</i>	<i>Units</i>	<i>Damage Assessment</i>	<i>Damage Potential</i>	<i>Response Action</i>
012	4	Floor Tile	Yes	800	Sq.Ft.	No Damage	Low	Maintain O&M Plan
013	4	Floor Tile	Yes	1100	Sq.Ft.	No Damage	Low	Maintain O&M Plan
014	4	Floor Tile	Yes	800	Sq.Ft.	No Damage	Low	Maintain O&M Plan
015	4	Floor Tile	Yes	280	Sq.Ft.	No Damage	Low	Maintain O&M Plan
015.1	4	Floor Tile	Yes	80	Sq.Ft.	No Damage	Low	Maintain O&M Plan
016	4	Floor Tile	Yes	800	Sq.Ft.	No Damage	Low	Maintain O&M Plan
017	4	Floor Tile	Yes	800	Sq.Ft.	No Damage	Low	Maintain O&M Plan
018	4	Floor Tile	Yes	800	Sq.Ft.	No Damage	Low	Maintain O&M Plan
019	4	Floor Tile	Yes	800	Sq.Ft.	No Damage	Low	Maintain O&M Plan
020	4	Floor Tile	Yes	800	Sq.Ft.	No Damage	Low	Maintain O&M Plan
021	4	Floor Tile	Yes	800	Sq.Ft.	No Damage	Low	Maintain O&M Plan
022	4	Floor Tile	Yes	800	Sq.Ft.	No Damage	Low	Maintain O&M Plan
023	4	Floor Tile	Yes	800	Sq.Ft.	No Damage	Low	Maintain O&M Plan

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<i>Function Area</i>	<i>HA No.</i>	<i>Material Description</i>	<i>Asbestos Detected</i>	<i>Quantity</i>	<i>Units</i>	<i>Damage Assessment</i>	<i>Damage Potential</i>	<i>Response Action</i>
Boiler Room	1	Boiler Jacket	Yes	295	Sq.Ft.	Damage	High	Repair/Remove
Boiler Room	3	Elbow	Yes	6	Ln.Ft.	No Damage	Low	Maintain O&M Plan
Boiler Room	5	Gaskets	Yes	15	Ln.Ft.	No Damage	Low	Maintain O&M Plan
Boiler Room	8	Fire Doors	Yes	42	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Boiler Room 2	8	Fire Doors	Yes	42	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Boys 2	3	Elbow	Yes	8	Ln.Ft.	No Damage	Low	Maintain O&M Plan
Custodian 1	8	Fire Doors	Yes	21	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Custodian 2	3	Elbow	Yes	26	Ln.Ft.	Damage	High	Repair/Remove
Custodian 2	8	Fire Doors	Yes	21	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Girls 2	3	Elbow	Yes	4	Ln.Ft.	No Damage	Low	Maintain O&M Plan
Gym Storage 1	4	Floor Tile	Yes	200	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Gym Storage 2	3	Elbow	Yes	8	Ln.Ft.	No Damage	Low	Maintain O&M Plan
Gym Storage 2	4	Floor Tile	Yes	240	Sq.Ft.	No Damage	Low	Maintain O&M Plan

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<i>Function Area</i>	<i>HA No.</i>	<i>Material Description</i>	<i>Asbestos Detected</i>	<i>Quantity</i>	<i>Units</i>	<i>Damage Assessment</i>	<i>Damage Potential</i>	<i>Response Action</i>
Hall 1	4	Floor Tile	Yes	750	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Hall 2	4	Floor Tile	Yes	400	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Hall 3	4	Floor Tile	Yes	1600	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Hall 4	4	Floor Tile	Yes	1900	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Hall 4	4	Floor Tile	Yes	600	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Hall 5	4	Floor Tile	Yes	1100	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Janitor 1	4	Floor Tile	Yes	30	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Janitor 1	8	Fire Doors	Yes	21	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Kitchen	3	Elbow	Yes		Ln.Ft.	No Damage	Low	Maintain O&M Plan
Kitchen	4	Floor Tile	Yes	750	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Locker Room	3	Elbow	Yes	20	Ln.Ft.	Damage	High	Repair/Remove
Locker Room	4	Floor Tile	Yes	15	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Office	4	Floor Tile	Yes	475	Sq.Ft.	No Damage	Low	Maintain O&M Plan



# Response Action Report

Project No.: 150264  
 New Branches Charter Academy  
 Choice Schools Associates  
 2015 3 Year AHERA Re-Inspection

<i>Function Area</i>	<i>HA No.</i>	<i>Material Description</i>	<i>Asbestos Detected</i>	<i>Quantity</i>	<i>Units</i>	<i>Damage Assessment</i>	<i>Damage Potential</i>	<i>Response Action</i>
Priciples Office	4	Floor Tile	Yes	350	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Priciples Office	8	Fire Doors	Yes	21	Sq.Ft.	Damage	High	Repair/Remove
Printer	4	Floor Tile	Yes	120	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Stage	4	Floor Tile	Yes	650	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Stage	4	Floor Tile	Yes	70	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Storage 1	4	Floor Tile	Yes	130	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Storage 1	8	Fire Doors	Yes	42	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Storage 2	3	Elbow	Yes	1	Ln.Ft.	No Damage	Low	Maintain O&M Plan
Storage 2	3	Elbow	Yes	10	Ln.Ft.	Damage	High	Repair/Remove
Storage 2	8	Fire Doors	Yes	21	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Teachers R.R.	4	Floor Tile	Yes	50	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Tech	4	Floor Tile	Yes	110	Sq.Ft.	No Damage	Low	Maintain O&M Plan
Tunnel	2	Pipe Wrap	Yes	110	Ln.Ft.	Damage	High	Repair/Remove

# Response Action Report

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New Branches Charter Academy  
Choice Schools Associates  
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<i>Function Area</i>	<i>HA No.</i>	<i>Material Description</i>	<i>Asbestos Detected</i>	<i>Quantity</i>	<i>Units</i>	<i>Damage Assessment</i>	<i>Damage Potential</i>	<i>Response Action</i>
Tunnel	3	Elbow	Yes	217	Ln.Ft.	Damage	High	Repair/Remove

# **Periodic Surveillance Report**

# Periodic Re-Inspection

Project No.: 150264  
 New Branches Charter Academy  
 Choice Schools Associates  
 2015 3 Year AHERA Re-Inspection

*Re-Inspection (circle one)*

<i>Function Area</i>	<i>Description</i>	<i>Friable</i>	<i>Asbestos Detected</i>	<i>Quantity</i>	<i>Units</i>	<i>Date: _____ By: _____</i>	<i>Date: _____ By: _____</i>	<i>Date: _____ By: _____</i>	<i>Date: _____ By: _____</i>	<i>Date: _____ By: _____</i>
001	Floor Tile	Category I - Non-Friable	Yes	800	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
001	Fire Doors	Category II - Non-Friable	Yes	21	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
002	Floor Tile	Category I - Non-Friable	Yes	800	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
002	Fire Doors	Category II - Non-Friable	Yes	21	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
003	Floor Tile	Category I - Non-Friable	Yes	800	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
003	Fire Doors	Category II - Non-Friable	Yes	21	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
004	Floor Tile	Category I - Non-Friable	Yes	800	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
004	Fire Doors	Category II - Non-Friable	Yes	21	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
005	Floor Tile	Category I - Non-Friable	Yes	800	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
005	Fire Doors	Category II - Non-Friable	Yes	21	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
010	Floor Tile	Category I - Non-Friable	Yes	800	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R

*GC=Good Condition(no damage), D=Damaged(less than 10%), SD=Significant Damage (more than 10%), R=Removed(no longer present)*

# Periodic Re-Inspection

Project No.: 150264  
 New Branches Charter Academy  
 Choice Schools Associates  
 2015 3 Year AHERA Re-Inspection

*Re-Inspection (circle one)*

<i>Function Area</i>	<i>Description</i>	<i>Friable</i>	<i>Asbestos Detected</i>	<i>Quantity</i>	<i>Units</i>	<i>Date: _____ By: _____</i>	<i>Date: _____ By: _____</i>	<i>Date: _____ By: _____</i>	<i>Date: _____ By: _____</i>	<i>Date: _____ By: _____</i>
011	Floor Tile	Category I - Non-Friable	Yes	1100	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
012	Floor Tile	Category I - Non-Friable	Yes	800	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
013	Floor Tile	Category I - Non-Friable	Yes	1100	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
014	Floor Tile	Category I - Non-Friable	Yes	800	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
015	Floor Tile	Category I - Non-Friable	Yes	280	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
015.1	Floor Tile	Category I - Non-Friable	Yes	80	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
016	Floor Tile	Category I - Non-Friable	Yes	800	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
017	Floor Tile	Category I - Non-Friable	Yes	800	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
018	Floor Tile	Category I - Non-Friable	Yes	800	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
019	Floor Tile	Category I - Non-Friable	Yes	800	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
020	Floor Tile	Category I - Non-Friable	Yes	800	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R

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# Periodic Re-Inspection

Project No.: 150264  
 New Branches Charter Academy  
 Choice Schools Associates  
 2015 3 Year AHERA Re-Inspection

*Re-Inspection (circle one)*

Function Area	Description	Friable	Asbestos Detected	Quantity	Units	Date: _____	Date: _____	Date: _____	Date: _____	Date: _____
						By: _____	By: _____	By: _____	By: _____	By: _____
021	Floor Tile	Category I - Non-Friable	Yes	800	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
022	Floor Tile	Category I - Non-Friable	Yes	800	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
023	Floor Tile	Category I - Non-Friable	Yes	800	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Boiler Room	Boiler Jacket	Friable	Yes	295	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Boiler Room	Elbow	Friable	Yes	6	Ln.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Boiler Room	Gaskets	Category I - Non-Friable	Yes	15	Ln.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Boiler Room	Fire Doors	Category II - Non-Friable	Yes	42	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Boiler Room 2	Fire Doors	Category II - Non-Friable	Yes	42	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Boys 2	Elbow	Friable	Yes	8	Ln.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Custodian 1	Fire Doors	Category II - Non-Friable	Yes	21	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Custodian 2	Elbow	Friable	Yes	26	Ln.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R

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# Periodic Re-Inspection

Project No.: 150264  
 New Branches Charter Academy  
 Choice Schools Associates  
 2015 3 Year AHERA Re-Inspection

*Re-Inspection (circle one)*

<i>Function Area</i>	<i>Description</i>	<i>Friable</i>	<i>Asbestos Detected</i>	<i>Quantity</i>	<i>Units</i>	<i>Date: _____ By: _____</i>	<i>Date: _____ By: _____</i>	<i>Date: _____ By: _____</i>	<i>Date: _____ By: _____</i>	<i>Date: _____ By: _____</i>
Custodian 2	Fire Doors	Category II - Non-Friable	Yes	21	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Girls 2	Elbow	Friable	Yes	4	Ln.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Gym Storage 1	Floor Tile	Category I - Non-Friable	Yes	200	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Gym Storage 2	Elbow	Friable	Yes	8	Ln.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Gym Storage 2	Floor Tile	Category I - Non-Friable	Yes	240	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Hall 1	Floor Tile	Category I - Non-Friable	Yes	750	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Hall 2	Floor Tile	Category I - Non-Friable	Yes	400	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Hall 3	Floor Tile	Category I - Non-Friable	Yes	1600	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Hall 4	Floor Tile	Category I - Non-Friable	Yes	1900	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Hall 4	Floor Tile	Category I - Non-Friable	Yes	600	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Hall 5	Floor Tile	Category I - Non-Friable	Yes	1100	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R

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# Periodic Re-Inspection

Project No.: 150264  
 New Branches Charter Academy  
 Choice Schools Associates  
 2015 3 Year AHERA Re-Inspection

*Re-Inspection (circle one)*

<i>Function Area</i>	<i>Description</i>	<i>Friable</i>	<i>Asbestos Detected</i>	<i>Quantity</i>	<i>Units</i>	Date: _____	Date: _____	Date: _____	Date: _____	Date: _____
						By: _____	By: _____	By: _____	By: _____	By: _____
Janitor 1	Floor Tile	Category I - Non-Friable	Yes	30	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Janitor 1	Fire Doors	Category II - Non-Friable	Yes	21	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Kitchen	Elbow	Friable	Yes		Ln.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Kitchen	Floor Tile	Category I - Non-Friable	Yes	750	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Locker Room	Elbow	Friable	Yes	20	Ln.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Locker Room	Floor Tile	Category I - Non-Friable	Yes	15	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Office	Floor Tile	Category I - Non-Friable	Yes	475	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Priciples Office	Floor Tile	Category I - Non-Friable	Yes	350	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Priciples Office	Fire Doors	Category II - Non-Friable	Yes	21	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Printer	Floor Tile	Category I - Non-Friable	Yes	120	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Stage	Floor Tile	Category I - Non-Friable	Yes	650	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R

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# Periodic Re-Inspection

Project No.: 150264  
 New Branches Charter Academy  
 Choice Schools Associates  
 2015 3 Year AHERA Re-Inspection

*Re-Inspection (circle one)*

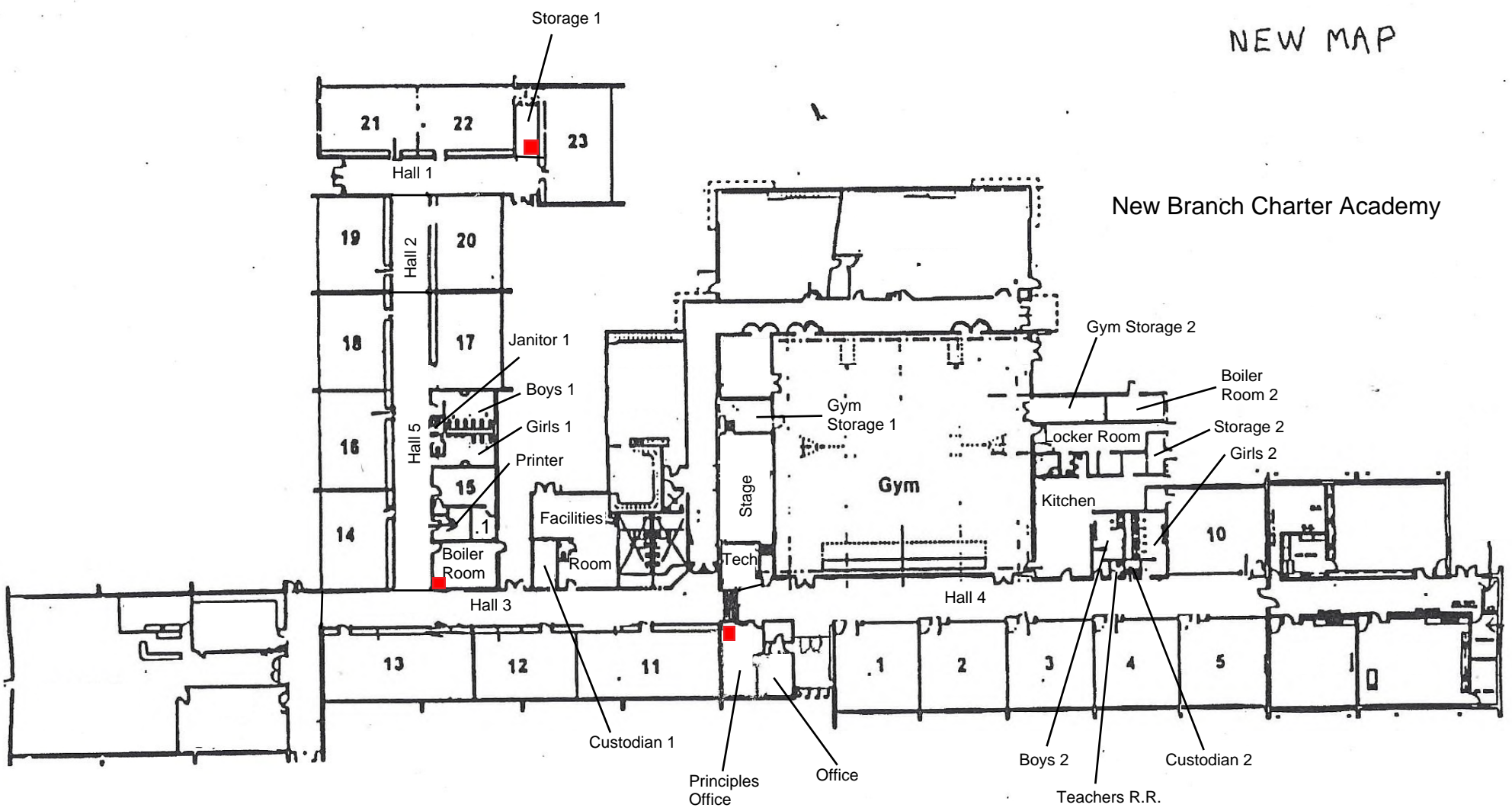
<i>Function Area</i>	<i>Description</i>	<i>Friable</i>	<i>Asbestos Detected</i>	<i>Quantity</i>	<i>Units</i>	Date: _____ By: _____	Date: _____ By: _____	Date: _____ By: _____	Date: _____ By: _____	Date: _____ By: _____
Stage	Floor Tile	Category I - Non-Friable	Yes	70	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Storage 1	Floor Tile	Category I - Non-Friable	Yes	130	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Storage 1	Fire Doors	Category II - Non-Friable	Yes	42	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Storage 2	Elbow	Friable	Yes	1	Ln.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Storage 2	Elbow	Friable	Yes	10	Ln.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Storage 2	Fire Doors	Category II - Non-Friable	Yes	21	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Teachers R.R.	Floor Tile	Category I - Non-Friable	Yes	50	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Tech	Floor Tile	Category I - Non-Friable	Yes	110	Sq.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Tunnel	Pipe Wrap	Friable	Yes	110	Ln.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R
Tunnel	Elbow	Friable	Yes	217	Ln.Ft.	GC D SD R	GC D SD R	GC D SD R	GC D SD R	GC D SD R

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# **Drawing**

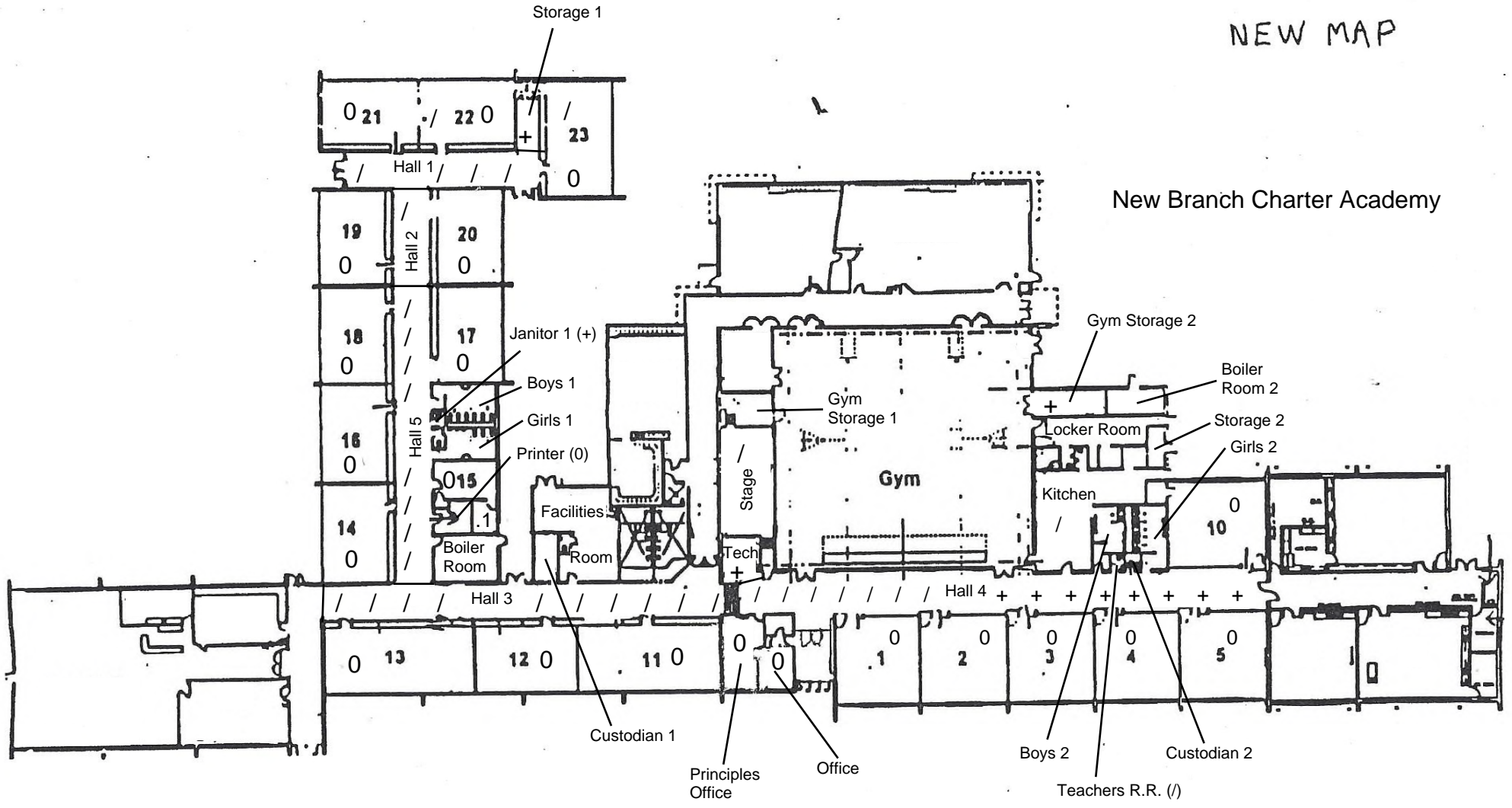
# NEW MAP

## New Branch Charter Academy



■ = Tunnel Access

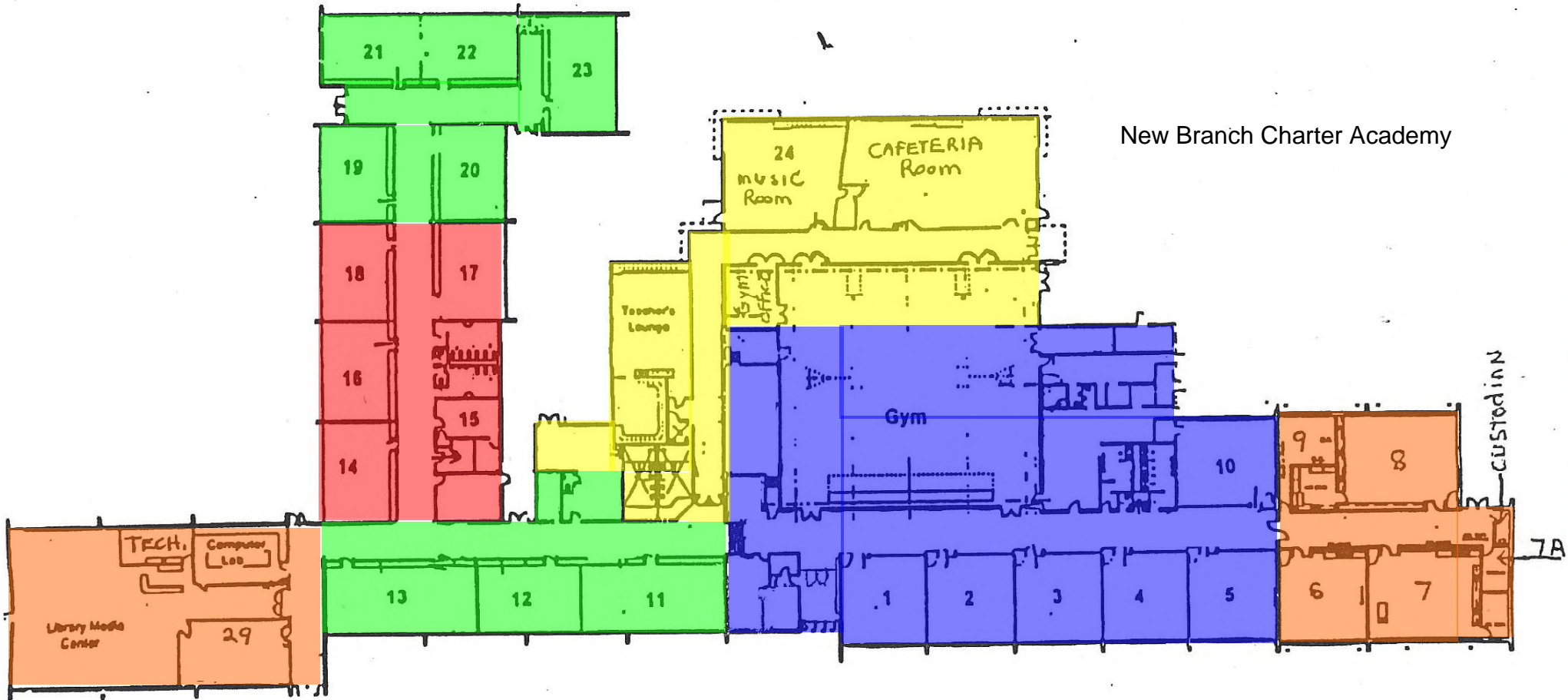
# NEW MAP



+ = 9"x9" Floor Tile  
 0 = Carpet  
 / = 12"x12" Floor Tile

# NEW MAP


## New Branch Charter Academy



- = 1954 Original Construction
- = 1959 Addition
- = 1965 Addition
- = 1994 Addition
- = 2004 Addition

## **Photos**





Boiler jacket is damaged and needs repaired.

Boiler Room



Damaged pipe insulation

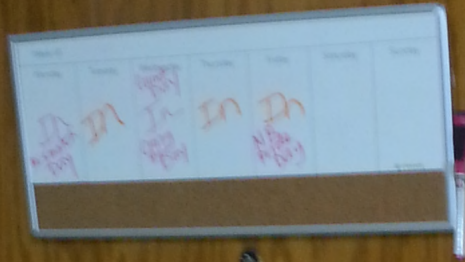






Damaged pipe fitting





Damaged fire door needs repaired





Damaged fire door needs repaired.





Damaged fire door needs repaired.







Damaged pipe fitting