PRE-DEMOLITION HAZARDOUS MATERIALS SURVEY

Former Scherer Bros Lumber
900 Sibley Street NE
9 – 9TH Avenue NE
9 – 8TH Avenue NE
15 - 8TH Avenue NE
Minneapolis, Minnesota

Prepared For:

Minneapolis Park and Recreation Board

July 8, 2011

PRE-DEMOLITION HAZARDOUS MATERIALS SURVEY
FORMER SCHERER BROS LUMBER
900 SIBLEY STREET NE
9 – 9TH AVENUE NE
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MINNEAPOLIS, MINNESOTA

(Peer File #20074)

Prepared For:

Minneapolis Park and Recreation Board
2117 West River Road
Minneapolis, Minnesota 55411

Prepared by:

Peer Engineering, Inc.
7615 Golden Triangle Drive, Suite N
Eden Prairie, Minnesota 55344
(952) 831-3341

July 8, 2011

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1.0 INTRODUCTION

Peer Engineering, Inc. (Peer) was retained by the City of Minneapolis to perform a pre-demolition hazardous materials survey of the commercial buildings located on the former Scherer Bros Lumber Company property located between 8th Avenue NE and 10th Avenue NE, and between Sibley Street and the Mississippi River in Minneapolis, Minnesota (the Site). The Site is occupied by four vacant buildings. The proposed plans contemplated for the Site include demolition and redevelopment of the Site.

The work performed as part of this project was completed to meet the following objectives:

1. Identify friable and non-friable asbestos-containing materials (ACM) at the Site as defined by the Environmental Protection Agency (EPA), Minnesota Pollution Control Agency (MPCA), and the Minnesota Department of Health (MDH).

2. Identify regulated ACM (friable or non-friable) at the Site that could become friable during demolition activities, and according to current State and Federal regulations, would require abatement prior to initiating demolition activities.

3. Identify lead-based paint (LBP) surfaces that have the potential to be disturbed during renovation activities, and if classified as lead-based paint, require abatement and/or special management prior to demolition activities.

4. Inventory potentially hazardous materials that should be removed and properly disposed prior to initiating demolition activities.

5. Identify caulking at the Site that contains polychlorinated biphenyls (PCBs) and according to current State and Federal regulations, would require abatement and/or special management prior to initiating demolition activities.

This report summarizes the findings of our pre-demolition hazardous materials survey.

2.0 SURVEY INFORMATION

Mr. Kelly Brown, a MDH Certified Asbestos Inspector and Lead Risk Assessor, and/or Mr. Rick Fink and Ms. Kristie Rykken of Peer completed the building survey and associated destructive sampling activities on June 15 through 20, 2011. A walk-through reconnaissance of the structures was conducted to identify suspect ACM, hazardous materials and lead-based paint.

A diagram identifying and depicting the layout of the buildings for the Site is included as **Figure 1**. Building 1 was divided into four sections (1A through 1D) based on visual

evidence that these four sections were additions or separate buildings that were subsequently connected. The Site consists of the following buildings:

- Building 1A – a one-story showroom.
- Building 1B – a three-story office and storage building.
- Building 1C – a one-story storage and wood shop building.
- Building 1D – a one-story shop building with a partial mezzanine.
- Building 5 – a one-story warehouse.
- Building 6 – a partial two-story shop and warehouse.
- Building 9 – a one-story warehouse.

2.1 ASBESTOS

2.1.1 General Information and Definitions

For the purpose of this assessment, each of the above-identified structure was considered as one functional area as defined by the Asbestos Hazard Emergency Response Act (AHERA). Upon completion of the reconnaissance, the suspect ACM was assessed, inventoried, and sampled for laboratory analysis.

The following definitions apply to this report:

- The EPA defines ACM as any material that contains greater than one percent asbestos. Materials found to contain one percent or less asbestos are not regulated as ACM.
- Friable ACM is defined as any material that contains greater than one percent asbestos, and which can be crumbled, pulverized, or reduced to powder by hand pressure.
- Category I non-friable ACM means asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than one percent asbestos. Category I non-friable ACM is not allowed to remain in place during renovation or demolition if it is in a condition where the renovation/demolition activities might cause it to become friable. A guidance document prepared by the MPCA in December 2000 pertaining to the removal, transport and disposal of Category I non-friable ACM is included as **Appendix A**.
- Category II non-friable ACM means any material, excluding Category I non-friable ACM, containing more than one percent asbestos that, when dry, cannot be crumbled, pulverized, or reduced to a powder by hand pressure. Category II non-friable ACM is not allowed to remain in place during renovation or demolition if it has a high probability of becoming crumbled, pulverized, or reduced to a powder during renovation, demolition, transport, or disposal. A guidance document prepared by the MPCA in January 2002 pertaining to the removal, transport and disposal of Category II non-friable ACM is included as **Appendix B**.

2.1.2 Sampling and Analytical Testing

Non-Suspect Material

The following materials were determined to be non-suspect ACM and were not targeted for sampling during this inventory:

- Pipes, ducts, and/or boilers insulated with foam.
- Concrete floors.
- Metal walls or ceilings.
- Wood walls, floors, or ceilings

Suspect ACM Targeted for Sampling

Suspect ACM identified and subsequently sampled at the Site included:

- Stucco.
- Concrete block.
- Various types of textured ceiling material.
- Brick and mortar.
- Various types of caulking.
- Various types of glaze.
- Various types of floor tile and associated mastic.
- Various types of vinyl sheet flooring and associated mastic.
- Various types of ceiling tile.
- Plaster with skimcoat.
- Drywall and drywall composite.
- Sink undercoating.
- Carpet mastic.
- Various types of electrical box insulators.
- Various types of vinyl baseboard.
- Various types of wall and ceiling insulation.
- Various types of roofing materials.
- Vapor barrier paper.
- Various types of countertop material.
- Various types of wall panel and associated mastic.
- Fiberglass pipe insulation.
- Fiberglass duct insulation.
- Cloth vibration joint.

Sample Analysis

A total of 220 bulk samples were submitted for laboratory analysis. Some of the bulk samples consisted of several layers. A total of 332 samples (including layers) were analyzed using polarized light microscopy (PLM) in accordance with EPA analytical protocol {EPA-600 R93/116} by EMSL Analytical, Inc. of Plymouth, Minnesota. Materials that were analyzed and found to contain **one percent or less** asbestos are considered "non-asbestos" per current State and Federal regulations. Materials that were found to contain **greater than one percent** asbestos are considered to be ACM.

Under current Federal regulations, if the PLM results detect asbestos at a concentration of less than 10% in one or more of the samples from any sample unit, the owner or operator of the building may (1) elect to assume the amount to be greater than 1% and treat the material as ACM or (2) require verification of the amount by utilizing the Point-Count Method. If the Point-Count Method analysis determines that the concentration of asbestos is greater than one percent, the material will be determined to be regulated ACM. If the Point-Count Method analysis determines that the concentration of asbestos is one percent or less, the material will be determined to be unregulated and non-asbestos containing.

2.1.3 Results

An Asbestos Summary Table and a sample location diagram for Building 1A are included as **Appendix C**. A copy of the analytical laboratory report for Building 1A is included as **Appendix D**.

2.1.3.1 Building 1A

ACM (Confirmed by Sampling and Analysis)

The following building materials sampled from Building 1A were determined to be ACM based on the definitions provided in current State and Federal regulations:

<u>Friable ACM</u>
No building materials sampled from Building 1A were determined to be friable ACM.

<u>Non-Friable ACM (Category I)</u>
- Black mastic on pegboard panel behind white pressboard wall panel on north interior wall (sample 21), approximately 1,000 square feet.
- Remnant black floor mastic and carpet mastic (sample set 22), approximately 4,075 square feet.
- Black mastic below 12" gray ceramic floor tile (sample 30), approximately 345 square feet.
- Black tar on roof membrane (sample 32), approximately 4,415 square feet.

Non-Friable ACM (Category II)
No building materials sampled from Building 1A were determined to be Category II non-friable ACM.

Non-ACM (Confirmed by Sampling and Analysis)

The following building materials sampled from Building 1A were determined to be non-ACM based on the definitions provided in current State and Federal regulations (see **Appendix C** for specific locations):

- Display shingles and black tar (samples 1-18).
- Drywall composite (sample 19).
- White pressboard wall panel (sample 20).
- Peghole panel behind white pressboard wall panel (sample 21).
- Black tar on wall behind drywall (sample 23).
- White display covering (sample 24).
- Gray countertop (sample 25).
- Gray speckle countertop (sample 26).
- Black tar on concrete block (sample 27).
- Interior brown door caulk (sample 28).
- 7" gray ceramic floor tile, grout and bedding (sample 29).
- 12" gray ceramic floor tile, grout, bedding and yellow mastic (sample 30).
- Roof shingle and black tar (sample 31).
- Roof membrane (sample 32).
- Gray roof vent caulk (sample 33).
- Brick and mortar (sample 34).
- Exterior pressboard siding and vapor barrier (sample 35).
- Exterior gray caulk at base of brick (sample 36).
- Exterior gray caulk at base of siding (sample 37).
- Exterior tan window glaze (sample 38).
- Exterior brown window caulk at base of window (sample 39).
- Exterior white window caulk alongside of window (sample 40).
- Exterior black door caulk (sample 41).
- Gray/clear roof duct putty (sample 42).

2.1.3.2 Building 1B

An Asbestos Summary Table and a sample location diagram for Building 1B are included as **Appendix E**. A copy of the analytical laboratory report for Building 1B is included as **Appendix F**.

ACM (Confirmed by Sampling and Analysis)

The following building materials sampled from Building 1B were determined to be ACM based on the definitions provided in current State and Federal regulations:

Friable ACM

- Off-white w/gray speckles vinyl sheet flooring in 2nd floor restrooms (sample 16), approximately 86 square feet.
- Lower layer of vinyl flooring in 2nd floor restrooms (samples 17 and 18), approximately 86 square feet.

Non-Friable ACM (Category I)

- Black mastic on wood wall panel in 2nd floor women's restroom (sample 19), approximately 40 square feet.
- Black tar behind drywall (sample 27), assumed along entire north wall on 1st floor, approximately 1,200 square feet.
- 9" x 9" brown floor tile in 1st floor vault (sample 31), approximately 120 square feet.
- Black mastic beneath 7" ceramic floor tile in the 1st floor women's restroom (sample 33), approximately 96 square feet. Asbestos was not detected in the floor tile, grout or bedding; however, if the black mastic is found to be adhering to these materials, these materials should be handled and disposed as ACM.
- Green flooring in the 1st floor lunchroom, hall and communications room (sample 34), approximately 540 square feet.
- Tan flooring in the 1st floor office hall (sample 35), approximately 72 square feet.
- Brown flooring in 1st floor office hall and office 1 (sample 36), approximately 395 square feet.
- Dark red flooring in the 1st floor hall (sample 37), approximately 416 square feet.
- Silver layer of tarpaper beneath shingles on the roof (sample 53), approximately 2,500 square feet.
- Brown caulk along shingles on the roof (sample 55), approximately 150 linear feet.
- Silver/black tar near vent on the metal roof (sample 56), approximately 10 linear feet.
- Brown/black vent caulk on the metal roof (sample 57), approximately 12 linear feet.
- Silver layer of flashing on the roof below the stucco (sample 60), approximately 120 square feet.
- Silver layer of flashing on the roof below the shingles (sample 62), approximately 200 square feet.
- Silver layer of flashing on the roof (east side – southeast corner) (sample 63), approximately 50 square feet.
- Silver layer of flashing on the roof (west side along west drive thru) (sample 64), approximately 120 square feet.
- Silver layer of flashing on the roof (south side along Building 9) (sample 65), approximately 150 square feet.

- Silver/black skylight flashing on the roof above the west drive thru (sample 68), approximately 48 linear square feet.

Non-Friable ACM (Category II)
No building materials sampled from Building 1B were determined to be Category II non-friable ACM.

Assumed ACM

A total of 18 metal–clad fire doors were observed in Building 1B. Attempts to observe the interior material of the doors were not successful. Therefore, the fire doors must be assumed to be ACM at this time.

Non-ACM (Confirmed by Sampling and Analysis)

The following building materials sampled from Building 1B were determined to be non-ACM based on the definitions provided in current State and Federal regulations (see **Appendix E** for specific locations):

- White pressboard wall panel (sample 1).
- White ceiling material (sample set 2).
- Gray countertop (sample 3).
- Gray marble countertop (sample 4).
- White countertop (sample 5).
- Gray duct putty (sample 6).
- Tan duct putty (sample 7).
- Tan fiberglass wall panel and tan mastic (sample 8).
- Cloth vibration joint (sample 9).
- Fiberglass wall insulation (sample 10).
- Fiberglass ceiling insulation (sample 11).
- White vinyl baseboard and yellow mastic (sample 12).
- Gray vinyl baseboard and tan mastic (sample 13).
- Brown vinyl baseboard and yellow mastic (sample 14).
- Drywall composite (sample set 15).
- Tan and gray mastics associated with off-white w/gray speckles vinyl sheet flooring (sample 16).
- Mastic associated with lower layer of vinyl sheet flooring (samples 17 and 18).
- Textured ceiling material (sample set 20).
- Foam ball insulation (sample set 21).
- 18″ smooth ceiling tile and brown mastic (sample 22).
- 1′ x 1′ peghole ceiling tile and brown mastic (sample 23).
- 2′ x 2′ gypsum ceiling tile (sample 24).
- 2′ x 2′ textured ceiling tile (sample 25).
- 1′ x 1′ smooth ceiling tile and mastic (sample 26).

- Brown ceiling insulation (sample 28).
- 1' x 1' gray marble floor tile, tan mastic and white floor leveler (sample 29).
- 6" brown ceramic floor tile, grout and bedding (sample 30).
- Black and tan mastics associated with 9" x 9" brown floor tile (sample 31).
- 3" tan ceramic floor tile, grout and bedding (sample 32).
- 7" tan ceramic floor tile, grout and bedding (sample 33).
- Tan carpet mastic and black mastic associated with green flooring (sample 34).
- Tan carpet mastic and black mastic associated with tan flooring (sample 35).
- Tan carpet mastic and black mastic associated with brown flooring (sample 36).
- Tan carpet mastic and black mastic associated with dark red flooring (sample 37).
- Fiberboard floor panels (sample 38).
- Paper backing beneath fiberboard floor panels (sample 39).
- Fiberglass pipe insulation (sample set 40).
- Fiberglass duct insulation (sample set 41).
- Exterior gray window caulk along frame and stucco (sample 42).
- Exterior gray and brown window caulk on frame (sample 43).
- Exterior gray door caulk (sample 44).
- Stucco (sample set 45).
- Concrete block (sample 46).
- Concrete block and foam ball filler (sample 47).
- Exterior brown window caulk at base of window (sample 48).
- Exterior white door caulk (sample 49).
- Exterior brown vent caulk (sample 50).
- Silver roof duct caulk (sample 51).
- Roof shingles (sample 52).
- Black fibrous layer of tarpaper beneath roof shingles (sample 53).
- Flashing on rooftop HVAC units (sample 54).
- Gray roof caulk at base of stucco (sample 58).
- Tar, gravel, fiberboard roof deck material (sample 59).
- Black tar and black fibrous layer of silver/black flashing at base of stucco (sample 60).
- Black tar on flashing below shingles (sample 61).
- Black tar and black fibrous layer of silver/black tar flashing below shingles (sample 62).
- Black fibrous layer of silver tarpaper roof flashing (sample 63).
- Black fibrous layer of silver/black roof flashing (sample 64).
- Black fibrous layer of silver/black flashing (sample 65).
- Roof deck material over west drive thru (sample 66).
- Roof flashing over west drive thru (sample 67).

2.1.3.3 Building 1C

An Asbestos Summary Table and a sample location diagram for Building 1C are included as **Appendix G**. A copy of the analytical laboratory report for Building 1C is included as **Appendix H**.

ACM (Confirmed by Sampling and Analysis)

The following building materials sampled from Building 1C were determined to be ACM based on the definitions provided in current State and Federal regulations:

Friable ACM
No building materials sampled from Building 1C were determined to be friable ACM.

Non-Friable ACM (Category I)
- Gray/black tar and tarpaper on the northeast corner of the roof (sample 15), approximately 240 square feet.
- Silver/black tar on the roof stack above the open area (sample 18), approximately 10 linear feet.

Non-Friable ACM (Category II)
No building materials sampled from Building 1C were determined to be Category II non-friable ACM.

Assumed ACM

A total of 5 metal–clad fire doors were observed in Building 1C. Attempts to observe the interior material of the doors were not successful. Therefore, the fire doors must be assumed to be ACM at this time.

Non-ACM (Confirmed by Sampling and Analysis)

The following building materials sampled from Building 1C were determined to be non-ACM based on the definitions provided in current State and Federal regulations (see **Appendix G** for specific locations):

- Fiberglass pipe insulation (sample set 1).
- Fiberglass ceiling insulation (sample 2).
- Remnant gray wall mastic (sample 3).
- Interior white wall caulk (sample 4).
- Glass block window mortar (sample 5).
- Drywall ceiling (sample 6).
- 2′ x 4′ pinhole/divot ceiling tile (sample 7).

- Brown duct putty (sample 8).
- Fiberboard behind wood siding (sample 9).
- Brown exterior door caulk (sample 10).
- White exterior door caulk (sample 11).
- Concrete block (sample 12).
- Roof deck materials (sample 13).
- Roof flashing (sample 14).
- Exterior gray skylight caulk (sample 16).
- Black roof stack tar (sample 17).
- Clear caulk on roof stack (sample 18).

2.1.3.4 Building 1D

An Asbestos Summary Table and a sample location diagram for Building 1D are included as **Appendix I**. A copy of the analytical laboratory report for Building 1D is included as **Appendix J**.

ACM (Confirmed by Sampling and Analysis)

The following building materials sampled from Building 1D were determined to be ACM based on the definitions provided in current State and Federal regulations:

Friable ACM
No building materials sampled from Building 1D were determined to be friable ACM.

Non-Friable ACM (Category I)
- Black tar on silver shingle/tarpaper on roof beneath membrane (sample 14), approximately 4,480 square feet.

Non-Friable ACM (Category II)
No building materials sampled from Building 1D were determined to be Category II non-friable ACM.

Non-ACM (Confirmed by Sampling and Analysis)

The following building materials sampled from Building 1D were determined to be non-ACM based on the definitions provided in current State and Federal regulations (see **Appendix I** for specific locations):

- Brown duct putty (sample 1).
- Fiberglass ceiling insulation (sample 2).
- Gray feather countertop (sample 3).
- Brick and mortar (sample 4).
- Drywall composite (sample 5).

- Fiberboard behind wood siding (sample 6).
- Exterior fiberboard wall panel (sample 7).
- Exterior gray door caulk (sample 8).
- Concrete block (sample 9).
- Black roof stack tar (sample 10).
- Clear/silver caulk on roof dust collector (sample 11).
- Black tar on roof dust collector (sample 12).
- Roof deck membrane, black seam tar and fiberboard underlay (sample 13).
- Silver shingle/tarpaper (sample 14).
- Green shingle/tarpaper and black tar (sample 15).

2.1.3.5 Building 5

An Asbestos Summary Table and a sample location diagram for Building 5 are included as **Appendix K**. A copy of the analytical laboratory report for Building 5 is included as **Appendix L**.

ACM (Confirmed by Sampling and Analysis)

The following building materials sampled from Building 5 were determined to be ACM based on the definitions provided in current State and Federal regulations:

Friable ACM
No building materials sampled from Building 5 determined to be friable ACM.

Non-Friable ACM (Category I)
- Tarpaper on roof (sample 7), approximately 15,675 square feet.

Non-Friable ACM (Category II)
No building materials sampled from Building 5 were determined to be Category II non-friable ACM.

Non-ACM (Confirmed by Sampling and Analysis)

The following building materials sampled from Building 5 were determined to be non-ACM based on the definitions provided in current State and Federal regulations (see **Appendix K** for specific locations):

- Stucco (sample set 1).
- Concrete block (sample 2).
- Drywall (sample 3).
- Interior gray door caulk (samples 4 and 5).
- Exterior gray door caulk (sample 6).
- Roof shingles (sample 7).

2.1.3.6 Building 6

An Asbestos Summary Table and a sample location diagram for Building 6 are included as **Appendix M**. A copy of the analytical laboratory report for Building 6 is included as **Appendix N**.

ACM (Confirmed by Sampling and Analysis)

Friable ACM
No building materials sampled from Building 6 determined to be friable ACM.

Non-Friable ACM (Category I)
- Black mastic associated with 1′ x 1′ tan marble floor tile located in the lunchroom/locker room (sample 16), approximately 630 square feet. Asbestos was not detected in the floor tile; however, since the tile is adhered by asbestos-containing mastic, the tile should be handled and disposed as ACM.
- Silver layer on roof flashing (sample 26), approximately 1,350 linear feet.

Non-Friable ACM (Category II)
No building materials sampled from Building 6 were determined to be Category II non-friable ACM.

Assumed ACM

One metal–clad fire door was observed in Building 6 at the mechanical room. Attempts to observe the interior material of the door were not successful. Therefore, the fire door must be assumed to be ACM at this time.

Non-ACM (Confirmed by Sampling and Analysis)

The following building materials sampled from Building 6 were determined to be non-ACM based on the definitions provided in current State and Federal regulations (see **Appendix M** for specific locations):

- Fiberglass duct insulation (sample set 1).
- Fiberglass pipe insulation (sample set 2).
- Tan countertop (sample 3).
- Green countertop (sample 4).
- Off-white countertop (sample 5).
- Gray countertop (sample 6).
- Maroon vinyl baseboard and black and yellow mastics (sample 7).
- 4″ white ceramic wall tile and yellow mastic (sample 8).
- Concrete block and foam ball filler (sample 9).

- Gray sink undercoat (sample 10).
- Fiberglass ceiling insulation (sample 11).
- Drywall composite (sample 12).
- Carpet mastic (sample 13).
- Interior tan door caulk (sample 14).
- 6″ brown ceramic floor tile (sample 15).
- 2′ x 2′ pinhole/divot ceiling tile (sample 17).
- 2′ x 2′ pinhole/fissure ceiling tile (sample 18).
- 2′ x 2′ chicken scratch ceiling tile (sample 19).
- 2′ x 2′ pinhole/fissure ceiling tile (sample 20).
- Exterior gray door caulk (sample 21).
- Exterior tan wall caulk (sample 22).
- Exterior decorative concrete block (sample 23).
- Exterior gray wall caulk (sample 24).
- Roof deck material (sample 25).
- Black fibrous layer of roof flashing (samples 26 and 29).
- Black roof deck tar (sample 27).
- Roof deck fiberboard (sample 28).
- Gray wall on roof (sample 30).
- Black wall caulk on roof (sample 31).

2.1.3.7 Building 9

An Asbestos Summary Table and a sample location diagram for Building 9 are included as **Appendix O**. A copy of the analytical laboratory report for Building 9 is included as **Appendix P**.

ACM (Confirmed by Sampling and Analysis)

No building materials sampled from Building 9 were determined to be ACM based on the definitions provided in current State and Federal regulations.

Assumed ACM

A total of 5 metal–clad fire doors were observed in Building 9. Attempts to observe the interior material of the doors were not successful. Therefore, the fire doors must be assumed to be ACM at this time.

Non-ACM (Confirmed by Sampling and Analysis)

The following building materials sampled from Building 9 were determined to be non-ACM based on the definitions provided in current State and Federal regulations (see **Appendix O** for specific locations):

- Remnant black floor tar (sample 1).
- Fiberglass pipe insulation (sample set 2).
- Drywall (sample 3).
- Gray countertop (sample 4).
- Exterior white wall caulk (sample 5).
- Exterior gray wall caulk (sample 6).
- Exterior tan door caulk (sample set 7).
- Concrete block (sample 8).
- Roof deck materials (sample 9).
- Roof flashing (sample 10).

2.1.4 Limitations

The roof of Building 5 was only accessed along the edges of the eastern and western sides of the building due to height restrictions and roof integrity concerns. Therefore, there is a potential for additional ACM-containing roofing materials on Building 5 (as discussed in Section 2.1.3.5, tarpaper on the roof was identified as ACM). Any additional roofing materials that may be encountered during demolition must be assumed to be ACM until they can be sampled and analyzed.

As previously discussed, metal–clad fire doors were observed on the Site. Attempts to observe the interior material of the doors were not successful. Therefore, the fire doors must be assumed to be ACM at this time.

Electrical power to the buildings had not been disconnected at the time of the site visit. Therefore, Peer did not sample wire coverings or disassemble electrical switchboxes, fuse boxes or panels in the structures for assessment and material sampling. Peer did not disassemble furnaces, water heaters, other appliances, or operational equipment. There is a potential for ACM components inside of this equipment.

Based on these limitations, the quantities listed in this inventory reflect the visibility available at the time of the survey. All quantities in this inventory are estimations and should not be considered exact measurements when used for obtaining abatement bids.

2.2 HAZARDOUS MATERIALS

2.2.1 General Information

A walk-through reconnaissance of the structures was conducted to identify and inventory potential hazardous materials or materials that have special disposal requirements that should be removed prior to demolition. These materials include, but are not limited to, hazardous substances, petroleum products, PCB-containing light ballasts, mercury-containing lights and switches, and refrigerants.

2.2.2 Observations & Results

The following potential hazardous equipment and materials and potential environmental concerns were identified in the structures:

Building 1A

- 348 4′ fluorescent lamps.
- 174 4′ fluorescent lamp fixtures with ballasts.
- 2 compact fluorescent lamps.
- 2 exit/emergency lap fixtures.
- 1 security system keypad panel.
- Security cameras.
- 5 smoke alarms.
- 9 electrical panels/boxes/switches.
- 2 fire alarm/strobe fixtures.
- 1 fire pull alarm.
- 3 fire extinguishers.
- 8 hydraulic door closers.
- 2 thermostats.
- 1 humidity control switch.
- 11 wall-mounted baseboard heaters.
- 2 wall-mounted area heaters.
- 1 ceiling-mounted area heater.
- 2 roof-mounted HVAC units.

Building 1B

- 1 exterior pad-mounted transformer.
- 5 interior high intensity lamps.
- 1 exterior high intensity lamp.
- 591 4′ fluorescent lamps.
- 182 4′ fluorescent lamp fixtures with ballasts.
- 84 8′ fluorescent lamps.
- 52 8′ fluorescent lamp fixtures with ballasts.
- 9 compact fluorescent lamps.
- 16 exit/emergency light fixtures.
- 62 smoke alarms.
- 9 electrical panels/boxes/switches.
- 2 electric garage openers.
- 19 fire alarms/strobes.
- 11 fire extinguishers.
- 14 hydraulic door closers.

- 1 motion-activated door.
- 2 water heaters.
- 9 thermostats.
- 4 air freshener units.
- 2 wall-mounted area heaters.
- 1 furnace.
- 1 ceiling-mounted area heater.
- 1 oven exhaust hood.
- 2 drinking fountains.
- 1 large exhaust fan.
- 6 roof-mounted HVAC units.
- Interior security system.
- Exterior security cameras.

Building 1C

- 20 interior high intensity lamps.
- 1 exterior high intensity lamp.
- 79 4′ fluorescent lamps.
- 36 4′ fluorescent lamp fixtures with ballasts.
- 14 8′ fluorescent lamps.
- 7 8′ fluorescent lamp fixtures with ballasts.
- 1 exit/emergency lamp fixture.
- 5 smoke alarms.
- 1 fire alarm/strobe.
- 12 electrical panels/boxes/switches.
- 7 electric garage openers.
- 6 fire extinguishers.
- 2 hydraulic door closers.
- 4 thermostats.
- 5 ceiling-mounted area heaters.

Building 1D

- 13 interior high intensity lamps.
- 2 4′ fluorescent lamps.
- 1 4′ fluorescent lamp fixtures with ballast.
- 20 8′ fluorescent lamps.
- 10 8′ fluorescent lamp fixtures with ballasts.
- 1 exit/emergency lamp fixture.
- 44 electrical panels/boxes/switches.
- 2 electric garage openers.
- 4 fire extinguishers.
- 2 thermostats.

- 1 HVAC unit.
- 3 ceiling-mounted heaters.
- 1 fire pull alarm.
- 1 microwave oven.
- 1 stereo.
- 1 television.
- 1 electric motor.
- 2 quarts of 409 cleaner.
- 1 quart 10W-30 motor oil.

Building 5

- 8 interior high intensity lamps.
- 2 exterior high intensity lamps.
- 1 exterior pad-mounted transformer.
- 1 exit sign fixture.
- 33 smoke alarms.
- 2 electrical panels/boxes/switches.
- 2 electric garage openers.
- 2 fire extinguishers.
- 1 hydraulic door closer.
- 2 large exhaust fans.

Building 6

- 53 interior high intensity lamps.
- 9 exterior high intensity lamps.
- 2 2′ fluorescent lamps.
- 1 2′ fluorescent lamp fixture with ballast.
- 62 4′ fluorescent lamps.
- 17 4′ fluorescent lamp fixtures with ballasts.
- 1 smoke alarm.
- 6 electrical panels/boxes/switches.
- 7 electric garage openers.
- 6 fire extinguishers.
- 11 hydraulic door closers.
- 1 water heater.
- 1 interior air conditioning unit.
- 3 thermostats.
- 1 air freshener unit.
- 1 wall-mounted area heater.
- 1 gallon of bleach.
- 1 gallon Bausch & Lomb Sight Saver.
- 2 cans of spray paint.

- 1 compressor.
- 1 furnace.
- 1 electric heater.
- 2 large exhaust fans.
- 1 exterior electric sign.
- Exterior security cameras.

Building 9

- 6 exterior pole-mounted transformers.
- 1 interior dry transformer.
- 1 exterior high intensity lamp.
- 111 4' fluorescent lamps.
- 30 4' fluorescent lamp fixtures with ballasts.
- 4 8' fluorescent lamps.
- 2 8' fluorescent lamp fixtures with ballasts.
- 81 smoke alarms.
- 11 electrical panels/boxes/switches.
- 3 electric garage openers.
- 5 fire extinguishers.
- 5 emergency light fixtures.
- 2 hydraulic door closers.
- 1 water heater.

In addition, various solid wastes including, but not limited to, road signs, benches, pallets, furniture, and empty 55-gallon drums, were observed inside Building 9. These materials should also be properly removed or recycled and/or disposed.

2.2.3 Limitations

The method of the hazardous materials inventory consisted of walking through all areas of the structures and making observations for components that typically contain hazardous substances that are incidental to the structures. Peer recommends that these materials and any associated containers for these materials be removed for appropriate recycling and/or disposition prior to initiating demolition activities.

As previously discussed, Peer did not disassemble furnaces, water heaters, other appliances, electrical equipment, or operational equipment. There is a potential for mercury switches to be part of this equipment.

2.3 LEAD-BASED PAINT

2.3.1 General Information and Definitions

Testing for lead-based paint was conducted. The testing was limited to painted surfaces that were in fair to poor condition and that, if determined to be lead-based paint, would require stabilization prior to demolition (e.g., lead that that is not attached to the substrate must be managed/disposed in accordance with applicable hazardous waste and/or solid waste rules and regulations and cannot be managed as normal demolition material). In addition, concrete floors, walls, and/or ceilings were tested in case the concrete is to be recycled during demolition.

Based on current regulatory definitions, lead-based paint is defined as paint containing lead concentrations equal to or greater than 1.0 milligrams per square centimeter (mg/cm^2) when using a Niton XL X-ray fluorescence (XRF) analyzer. The XRF provides the measured lead concentration in weight of lead per unit area. Calibration checks of the XRF were frequently conducted and are recorded with the test data included in **Appendix Q**. The test results along with test location, component, substrate, date, and exact time are recorded on the tables in **Appendix Q**. No paint chip sampling or laboratory analysis was performed as part of the targeted sampling activities. Diagrams depicting the test locations are included as **Appendix R**.

Interior sides of the rooms are based upon the direction facing while conducting the testing. Side A faces north, Sides B faces east (Sibley Street NE), Side C faces south (8^{th} Avenue NE), and Side D faces west (Mississippi River). Common and exterior areas are specified using the same method.

2.3.2 Observations & Results

Testing for lead-based paint was conducted on painted, glazed, and stained surfaces at the Site. Surfaces observed to be in fair to poor condition were specifically targeted during this survey. A copy of the testing results is included in **Appendix Q** (test results determined to be lead-based paint are in bold and highlighted).

Building 1A

Coated surfaces in fair to poor condition included exterior wood siding trim. Based on the results of the limited testing, lead-based paint was not identified.

Building 1B

Coated surfaces in fair to poor condition included interior wood walls, interior concrete floor stripes, exterior wood window components, exterior wood door components, and

exterior wood wall components. In addition, intact coated concrete floors, walls, and/or ceilings were tested in case the concrete is to be recycled during demolition. Based on the results of the limited testing, lead-based paint was identified on the following component:

- White-painted interior wood wall (Tests 26 and 27) on wall A in the south drive thru area, approximately 2,000 square feet.

A test on a concrete wall (Side C) in 1st floor vault (Test 7) tested positive for lead; however, the results of two subsequent confirmatory retests (Tests 9 and 10) on that wall were negative for lead. It appears that Test 7 was a false positive as all additional tests conducted on concrete wall throughout the entire site were negative for lead.

Building 1C

Coated surfaces in fair to poor condition included interior and exterior concrete block walls, interior wood walls, and interior metal doors. In addition, intact coated concrete floors, walls, and/or ceilings were tested in case the concrete is to be recycled during demolition. Based on the results of the limited testing, lead-based paint was identified on the following component:

- White-painted interior wood wall (Test 48) on wall B in the south loading dock, approximately 60 square feet.
- Yellow-painted stripe on interior concrete floor (Test 55) in the wood shop, approximately 75 linear feet.
- Yellow-painted stripe on interior concrete floor (Test 64) in the north loading dock, approximately 40 square feet.

Building 1D

Coated surfaces in fair to poor condition included exterior concrete block walls, exterior brick walls, exterior wood walls, exterior overhang beam, and exterior wood columns. In addition, intact coated concrete floors, walls, and/or ceilings were tested in case the concrete is to be recycled during demolition. Based on the results of the limited testing, lead-based paint was identified on the following component:

- White-painted interior wood wall (Test 66) on wall B in the shop area, approximately 100 square feet.

Building 5

Coated surfaces in fair to poor condition included exterior concrete block walls, exterior wood columns, and exterior roof components. In addition, intact coated concrete floors, walls, and/or ceilings were tested in case the concrete is to be recycled during

demolition. Based on the results of the limited testing, lead-based paint was not identified.

Building 6

Coated surfaces in fair to poor condition included interior stripes on concrete floors, exterior door wood components, and exterior concrete overhang ceilings. In addition, intact coated concrete floors, walls, and/or ceilings were tested in case the concrete is to be recycled during demolition. Based on the results of the limited testing, lead-based paint was identified on the following component:

- Yellow-painted interior concrete door bollard (Test 152) on wall B in Bay 1, approximately 96 square feet.
- Yellow-painted stripe on interior concrete floor (Test 153) in Bay 1, approximately 80 linear feet.
- Yellow-painted interior concrete door bollard (Test 182) on wall D in Bay 2, approximately 48 square feet.
- Yellow-painted exterior concrete column (Test 215) on the north side of Building 6, approximately 200 square feet.

Building 9

Coated surfaces in fair to poor condition included exterior concrete block walls and interior stripes on asphalt floors. In addition, intact coated concrete floors, walls, and/or ceilings were tested in case the concrete is to be recycled during demolition. Based on the results of the limited testing, lead-based paint was identified on the following component:

- Yellow-painted stripe on interior asphalt floor (Test 136), approximately 360 linear feet.
- Yellow-painted stripe on interior concrete floor (Test 140), approximately 200 linear feet.

2.3.3 Limitations

The testing conducted <u>was not</u> intended to represent a lead paint inspection as defined in accordance with the U.S. Department of Housing and Urban Development (HUD) document entitled "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing – Chapter 7: Lead-Based Paint Inspection, 1997 Revision". In addition, the observations and testing conducted <u>were not</u> intended to represent a comprehensive survey of all painted surfaces and was not intended to represent regulated lead work as defined by the MDH.

2.4 PCBS IN CAULKING

2.4.1 General Information and Definitions

Peer collected fifteen representative samples (C-1 through C-15) of exterior caulking from the buildings on the Site on June 23, 2011. The samples were collected from ground level assessable areas. Thirteen samples were submitted to TestAmerica for analytical testing of PCBs by EPA Method 8082.

2.4.2 Observations and Results

A copy of the laboratory analytical report and chain-of-custody form is included in **Appendix S**. PCBs were not detected in the samples of caulk analyzed at or above the laboratory reporting limits. A table summarizing the type and locations of the caulk samples is included as **Table 1**. Although chromatograph interferences prevented an acceptable reporting limit for sample C-14, Building 6 was constructed in 1985, following the ban on PCBs in 1979.

3.0 CONCLUSIONS AND RECOMMENDATIONS

The following recommendations are provided based on the results of this hazardous materials inventory:

- Friable and Category I and Category II non-friable ACM was identified in the structures as listed in Section 2.1.3.

- A licensed asbestos abatement contractor should remove all identified and assumed Category I non-friable ACM prior to initiating building demolition. If left in place, Category I non-friable ACM must be segregated and disposed of as asbestos-containing waste during demolition.

- A licensed asbestos abatement contractor must remove all identified friable and Category II non-friable ACM prior to initiating building demolition.

- Any unidentified suspect ACM that may be encountered during demolition activities should be assumed to contain asbestos until they are sampled and analyzed.

- All hazardous equipment, hazardous substances and/or petroleum products (as listed in Section 2.2.2) should be removed and properly disposed of prior to building demolition.

- All lead-based paint determined to be in poor condition and not adhering to its substrate (as listed in Section 2.3.2) is required to be stabilized prior to building demolition per state and federal regulations regarding management of lead-contaminated waste.

- Lead-based paint residues generated by stabilization or removal must be managed/disposed in accordance with applicable hazardous waste and/or solid waste rules and regulations and cannot be managed as normal demolition material.

- PCBs were not detected in the representative caulk samples collected at the Site as outlined in Section 2.4 (see **Appendix S** and **Table 1** for analytical results).

- If the demolition plans should change (i.e., controlled burn), environmental needs for the Site need to be revisited.

4.0 STANDARD OF CARE & QUALIFICATIONS

Services performed by Peer have been conducted in accordance with generally recognized industry standards and current MPCA and MDH guidelines, where applicable. The services performed by Peer have been conducted with the level of care and skill ordinarily exercised by reputable members of the profession, practicing in the same locality under similar budget and time constraints. No other warranty is made or intended.

A summary of corporate and individual qualifications for Peer and the individuals associated with this project is included in **Appendix T**.

Prepared by:

Kelly W. Brown
Senior Environmental Professional
MDH Asbestos Inspector No.: I3036
MDH Lead Risk Assessor No.: 188

Reviewed by:

Robert J. Rykken, P.E., P.G.
Senior Engineer

TABLE 1
LABORATORY ANALYTICAL RESULTS – PCBs in CAULK
SCHERER BROS. HAZARDOUS MATERIALS SURVEY

Sample No.	Description	PCB Concentrations (µg/kg)
C-1	Light grey, door trim, south side of building 1D.	< 3,100
C-2	Light tan, between wood siding and corner wood trim, west side of building 1C	< 2,900
C-3	Light tan, between block and wood siding, north intersection of buildings 1C and 1B.	NA - same as C-2
C-4	Grey, along metal door trim, north side of building 1B.	< 3,100
C-5	Grey, between lap siding and corner trim, north side of building 1B.	NA - same as C-4
C-6	White/translucent, between lap siding and corner trim, north side of building 1A.	< 2,600
C-7	Dark brown, between metal door and trim, north side of building 1A.	NA - same as C-8
C-8	Dark brown, between lap siding and wood trim, north side of building 1A	< 3,600
C-9	Brown, between window and siding, north side of building 1A.	< 3,300
C-10	White/light grey, between window and siding, north side of building 1A.	< 2,800
C-11	Grey, along window bay and sill block, east side of building 1A.	<4,200
C-12	Dark brown, along window trim, east side of building 1A.	< 3,800
C-13	Grey, metal door trim, east side of building 6.	< 28,000
C-14	Yellow, between concrete blocks, south side of building 6.	< 290,000*
C-15	Grey, metal door trim, west side of building 6.	< 3,100

* Laboratory indicated this sample is primarily composed of silicone.
NA = Not Analyzed
µg/kg = microgram per kilogram = parts per billion

N

SiteBuildings.dwg

Peer Engineering

PROJECT #: 20074

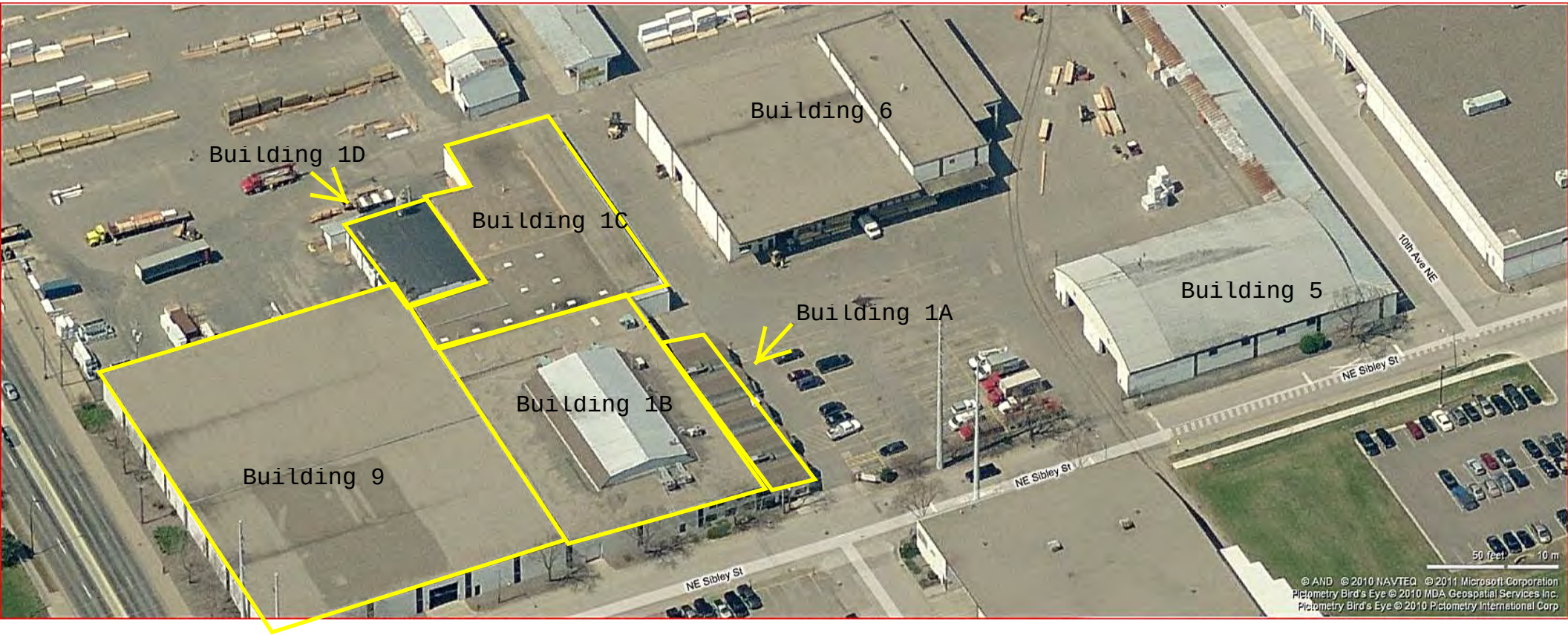
SITE BUILDINGS

FORMER SCHERER BROS LUMBER
MINNEAPOLIS, MINNESOTA

JULY 2011

FIGURE
1

FIGURE 2 - OBLIQUE VIEW OF BUILDING LAYOUT



NORTH →

APPENDIX A

Minnesota Pollution Control Agency

Metro District,
Regular
Facilities
Section

Guidance for the Removal, Transport, and Disposal of Category I Asbestos-Containing Materials

Air Quality/Asbestos Program/#4.04/December 2000

This document offers guidance on the removal, transport, and disposal of Category I Asbestos-Containing Materials (ACM) as defined by the asbestos National Emission Standards for Hazardous Air Pollutants (asbestos NESHAP), 40 Code of Federal Regulations (CFR) pt. 61, subp. M, which has been incorporated into Minn. R. 7011.9920.

What is Category I ACM

Category I ACM consists of asbestos-containing gaskets, resilient floor coverings (including vinyl asbestos tile and linoleum), and asphalt roofing products that contain greater than one percent asbestos using the method described in appendix A, subpart F, 40 CFR Part 763, section 1, Polarized Light Microscopy.

When does the Asbestos Neshap Apply

Category I ACM is regulated by the asbestos NESHAP if it is or will become friable due to the forces expected to act on it. Friable ACM is any ACM that can be crushed, crumbled, pulverized, or reduced to powder by hand pressure when dry. Also, any sanding, cutting, grinding, abrading, or intentional burning of Category I ACM will render the ACM regulated.

Category I ACM that is subjected to forces or removal methods that would crush, crumble, pulverize, or reduce the Category I ACM to a powder by sanding, cutting, grinding, or abrading, including the use of mechanical chippers, is considered Regulated Asbestos-Containing Material (RACM) and therefore, must be removed by licensed asbestos abatement contractors using specific work practice controls.

If any of the demolition materials are to be recycled it is necessary to remove any Category I ACM that may be present. The recycling process could result in previously nonfriable Category I ACM becoming crushed, crumbled, or reduced to a powder. If the Category I ACM is not removed prior to demolition then the building materials containing, mixed in with, or coated with Category I ACM may not be used for recycle.

Removal of Category I ACM

The first consideration in your renovation must be the determination of what materials are present that contain asbestos. Certain building materials have been known to contain asbestos (i.e. 9”X 9” floor tiles), but others must be tested to determine if the material contains asbestos. Once you have identified a Category I ACM in your renovation, the next consideration is the method of removal. If the removal involves quantities greater than 160 square feet, then the following procedures must be followed:

A) Friable ACM must be removed by licensed asbestos removal contractors. Category I ACM that is able to be crushed or crumbled by hand pressure is friable. This determination must be made prior to any other regarding the

Minnesota Pollution Control Agency, 520 Lafayette Road North, St. Paul, Minnesota 55155-4194
(651) 296-6300, toll-free (800) 657-3864, TTY (651) 282-5332 or (800) 657-3864

removal of the Category I ACM. The Minnesota Pollution Control Agency (MPCA) and the U.S. Environmental Protection Agency maintain that in most cases the asbestos-containing paper backing of a linoleum product is considered to be friable material. If you elect to remove *nonfriable* Category I ACM the removal must be done in such a manner that it does not cause the Category I ACM to be crushed, crumbled, pulverized, or reduced to powder or subject the ACM to any sanding, cutting, grinding, or abrading rendering the Category I ACM to become RACM. Examples of removal methods that would render the Category I ACM to RACM are shot blasting, mechanical chipping, intentional burning, or specific grinding, sanding, cutting, or abrading.

B) Nonfriable Category I ACM that is removed by hand tools and not subject to extensive breakage may be removed by nonlicensed contractors. The removal must be careful to keep the Category I ACM as intact as possible. For example, the use of solvents, heat machines, or dry ice to loosen Category I ACM nonfriable floor tiles are examples of removal methods that are not likely to cause the Category I ACM to become RACM.

C) The MPCA reminds you that asbestos removal projects may be subject to other applicable rules and regulations regarding asbestos removal and disposal. Removal of asbestos is also governed by:

   1) 29 CFR Parts 1910 et. al., Occupational Safety and Health Administration (OSHA) laws; and

   2) Minn. R. 4620.3000 - 4620.3700, Asbestos Abatement Rules, administered by the Minnesota Department of Health. For more info call (651) 215-0900.

D) The determination of who is allowed to remove Category I ACM is dependent on the removal method used and the quantity of ACM involved. Proceeding with an incorrect understanding of applicable rules, regulations, or standards could lead you to be out of compliance and subject you to an enforcement action that could potentially include monetary penalties.

Packaging and Transport of Category I ACM

A) All Asbestos-Containing Waste Material (ACWM) must be adequately wet, packaged in leak-tight containers, and appropriately labeled with asbestos warning signs and waste generator labels.

B) The MPCA recommends that all Category I ACM be packaged and transported in the same manner as RACM and reminds you that approved landfills will only accept ACWM that has been properly wetted, packaged, and manifested.

C) Some types of Category I ACM may have sharp edges and will need to be packaged to avoid any further breakage of the ACWM or puncturing or tearing of the containers.

D) Asbestos is considered a hazardous air pollutant and a class 9 hazardous waste. Proper labeling and transportation of ACWM includes identification of it as a class 9 hazardous waste and proper placards placed on the vehicle during the loading and unloading of ACWM.

Disposal of Asbestos-Containing Waste Material

A) All ACWM must be disposed of at a site approved by the U.S. Environmental Protection Agency which is operated in accordance with 40 CFR § 61.154.

B) For a complete listing of landfills currently approved to receive ACWM in Minnesota, please contact the MPCA asbestos team.

Category I ACM in Demolition Projects

Category I ACM may remain in place during normal demolition as long as the Category I ACM is nonfriable, in good condition, and will not specifically be subjected to sanding, cutting, grinding, abrading, or intentional burning. As a reminder, you are advised that all ACM other than Category I ACM cannot remain in place for demolition and must be removed prior to demolition or any activity that would break up, disturb, dislodge, or preclude access to the material.

If you have any questions regarding the classification, removal, transport, disposal, or any questions regarding asbestos rules, regulations, or standards, please feel free to contact the MPCA asbestos team at the numbers below:

(651) 296-6300
(800) 657-3864

This guidance document is not intended as a substitute for reading the rules or regulations and making your own independent determination of its applicability to your asbestos removal or demolition project. Examples in the guidance document do not represent an exhaustive listing of projects or removal methods to which the regulation might apply.

MPCA Web site: http://www.pca.state.mn.us

APPENDIX B

Minnesota Pollution Control Agency

Metro District, Regular Facilities Section

Guidance for the Removal, Transport, and Disposal of Category II Asbestos-Containing Materials

Air Quality/Asbestos Program/#4.05/January 2002

This document offers guidance on the removal, transport, and disposal of Category II Asbestos-Containing Materials (ACM) as defined by the asbestos National Emission Standards for Hazardous Air Pollutants (asbestos NESHAP), 40 Code of Federal Regulations (CFR) pt. 61, subp. M, which has been incorporated into Minn. R. 7011.9920.

What is Category II ACM

Category II ACM consists of any material, excluding Category I nonfriable ACM (i.e. floor tile, linoleum, asphalt roofing products), containing more than one percent asbestos as determined using the methods specified in appendix A, subpart F, 40 CFR part 763, section 1, Polarized Light Microscopy that, when dry, cannot be crumbled, pulverized or reduced to a powder by hand pressure. The most common form of Category II ACM is cementitious asbestos board, which is often referred to by its trade name "Transite®." Other Category II ACM includes but is not limited to, Transite® shingles and siding, asbestos cement, asbestos putties, asbestos sealants, and certain asbestos-containing adhesives.

When Does the Asbestos NESHAP Apply

Category II ACM is regulated by the asbestos NESHAP if it is or will become friable and/or crushed, crumbled and reduced to a powder, due to the forces expected to act on the ACM during a renovation or demolition project. Friable ACM is any ACM that can be crushed, crumbled, pulverized, or reduced to powder by hand pressure when dry.

Category II ACM that is going to be or has been subjected to demolition forces or removal methods that would crush, crumble, pulverize, or reduce the Category II ACM to a powder including sanding, cutting, grinding, abrading, or intentional burning, is considered Regulated Asbestos-Containing Material (RACM) and therefore, must be removed by licensed asbestos abatement contractors using specific work practice methods.

Removal of Category II ACM

The first consideration in your renovation or demolition project must be the determination of what materials are present that contain asbestos. Certain building materials have been known to contain asbestos (i.e. slate-like siding on homes) but others must be tested to determine if the material contains asbestos. Once you have identified a Category II ACM in your renovation or demolition project, the next considerations are the quantity of ACM and the methods of removal. If the removal involves quantities greater than 160 square feet, then the following procedures must be followed:

A) Friable ACM must be removed by licensed asbestos removal contractors. Category II ACM that is able to be

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crushed or crumbled by hand pressure is friable. The determination of friability must be made prior to any other regarding the removal of the Category II ACM. If you elect to remove nonfriable Category II ACM, the removal must be done in such a manner that does not cause the Category II ACM to be crushed, crumbled, pulverized, or reduced to powder and does not subject the ACM to any sanding, cutting, grinding, or abrading which would cause the Category II ACM to become RACM. Examples of removal methods that would render the Category II ACM to RACM are smashing it, dropping it to the ground, intentional burning, subjecting it to crushing by heavy machinery, or specific grinding, sanding, cutting, or abrading.

B) Nonfriable Category II ACM that is carefully removed by hand tools and not subject to extensive breakage may be removed by nonlicensed contractors. During the removal, care must be taken to keep the Category II ACM as intact as possible. For example, in removal of Category II ACM panels, the bolts or nails holding the panels in place can be removed first allowing for the panel to be removed intact which is not likely to cause the Category II ACM to become RACM.

C) The Minnesota Pollution Control Agency reminds you that asbestos removal projects may be subject to other applicable rules and regulations regarding asbestos removal and disposal. Removal of asbestos is also governed by:

   1) 29 CFR Parts 1910 et. al., Occupational Safety & Health Administration (OSHA) laws; and

   2) Minn. R. 4620.3000 - 4620.3700, Asbestos Abatement Rules, administered by the Minnesota Department of Health. For more info call (651) 215-0900.

D) The determination of who is allowed to remove Category II ACM is dependent on the removal method used and the quantity of ACM involved. Proceeding with an incorrect understanding of applicable rules, regulations, or standards could lead you to be out of compliance and subject you to an enforcement action that could potentially include monetary penalties.

Packaging and Transport of Category II ACM

A) All Asbestos-Containing Waste Material (ACWM) must be adequately wet, packaged in leak-tight containers, and appropriately labeled with asbestos warning signs and waste generator labels.

B) All Category II ACM must be packaged and transported in the same manner as RACM. In addition, landfills will only accept ACWM that has been properly wetted, packaged, and manifested.

C) Some types of Category II ACM may have sharp edges and will need to be packaged to avoid any further breakage of the ACWM or puncturing or tearing of the containers.

D) Asbestos is considered a hazardous air pollutant and a class 9 hazardous waste. Proper labeling and transportation of ACWM includes identification of it as a class 9 hazardous waste and proper placards placed on the vehicle or dumpster. Asbestos warning signs must be placed on the vehicle or dumpster during the loading and unloading of ACWM in accordance with 40CFR 61.150(c).

Disposal of Asbestos-Containing Waste Material

A) All ACWM must be disposed of at a site approved by the U.S. Environmental Protection Agency which is operated in accordance with 40 CFR § 61.154.

B) For a complete listing of landfills currently approved to receive ACWM in Minnesota please contact the MPCA asbestos team.

Category II ACM in Demolition Projects

The forces of a demolition project can and will cause Category II ACM to be crushed, crumbled, and reduced to a powder. Therefore, in a demolition project all Category II ACM is considered to be RACM and must be removed prior to the commencement of demolition.

If you have any questions regarding the classification, removal, transport, disposal, or any questions regarding asbestos rules, regulations, or standards, please feel free to contact the MPCA asbestos team at the numbers below. If you intend to remove Category II ACM on your own please call for instructions specific to your situation.

(651) 296-6300
(800) 657-3864

This guidance document is not intended as a substitute for reading the rules or regulations and making your own independent determination of their applicability to your asbestos removal or demolition project. Examples in this guidance document do not represent an exhaustive listing of projects or removal methods to which the regulation might apply.

MPCA Web site: http://www.pca.state.mn.us

APPENDIX C

ASBESTOS SUMMARY TABLE - Scherer Brothers Lumber, Building 1A, Minneapolis, MN					
SAMPLE REFERENCE NUMBER	SUSPECT MATERIAL	LOCATION	% ASBESTOS ANALYTICAL RESULTS	FRIABLE OR NON-FRIABLE	QUANTITY
1	Royal Sovereign	Interior - display	ND	NA	NA
2	Timberline	Interior - display	ND	NA	NA
3	Prestige and black tar	Interior - display	ND	NA	NA
4	Raised Profile	Interior - display	ND	NA	NA
5	Hatteras	Interior - display	ND	NA	NA
6	Grand Sequoia and black tar	Interior - display	ND	NA	NA
7	Slateline	Interior - display	ND	NA	NA
8	Grande	Interior - display	ND	NA	NA
9	Capstone	Interior - display	ND	NA	NA
10	Grand Canyon and black tar	Interior - display	ND	NA	NA
11	Country Mansion and black tar	Interior - display	ND	NA	NA
12	Camelot	Interior - display	ND	NA	NA
13	Landmark and black tar	Interior - display	ND	NA	NA
14	Independence	Interior - display	ND	NA	NA
15	New Horizon	Interior - display	ND	NA	NA
16	CertainTeed	Interior - display	ND	NA	NA
17	Centennial Slate and black tar	Interior - display	ND	NA	NA
18	Grand Manor and black tar	Interior - display	ND	NA	NA
19	Drywall composite	Interior	ND	NA	NA
20	White pressboard wall panel	Interior	ND	NA	NA
21	**Peghole panel with black mastic behind white pressboard wall panel**	**Interior - north wall**	**ND (panel) 6% (mastic)**	**Category I non-friable**	**1,000 SF**
22A-B	**Carpet mastic and remnant black mastic**	**Interior**	**3%**	**Category I non-friable**	**4,075 SF**
23	Black tar on wall behind drywall	Interior	ND	NA	NA
24	White display covering	Interior	ND	NA	NA
25	Gray countertop material	Interior - west	ND	NA	NA
26	Gray speckle countertop material	Interior - reception	ND	NA	NA
27	Black tar on concrete block wall	Interior- electrical closet	ND	NA	NA
28	Brown door caulk	Interior - entries	ND	NA	NA

ND - Not detected at or above the laboratory detection limits.
SF - Square Feet.
LF - Linear Feet.

ASBESTOS SUMMARY TABLE - Scherer Brothers Lumber, Building 1A, Minneapolis, MN					
SAMPLE REFERENCE NUMBER	SUSPECT MATERIAL	LOCATION	% ASBESTOS ANALYTICAL RESULTS	FRIABLE OR NON-FRIABLE	QUANTITY
29	7" gray ceramic floor tile, grout and bedding	Interior - west	ND	NA	NA
30	**12" gray ceramic floor tile, grout, bedding, yellow and black mastics**	**Interior - reception**	**ND (tile, grout, bedding and yellow mastic) 7% (black mastic)**	**Category I non-friable**	**345 SF**
31	Roof shingle and black tar	Roof	ND	NA	NA
32	**Roof membrane and tar**	**Roof**	**ND (membrane) 6% (tar)**	**Category I non-friable**	**4,415 SF**
33	Gray vent caulk	Roof	ND	NA	NA
34	Brick and mortar	Exterior	ND	NA	NA
35	Pressboard siding and vapor barrier	Exterior	ND	NA	NA
36	Gray caulk at base of brick	Exterior - north	ND	NA	NA
37	Gray caulk at base of siding	Exterior	ND	NA	NA
38	Tan window glaze	Exterior	ND	NA	NA
39	Brown window caulk at base	Exterior	ND	NA	NA
40	White window caulk along side	Exterior	ND	NA	NA
41	Black door caulk	Exterior - north	ND	NA	NA
42	Gray/clear duct putty	Roof	ND	NA	NA

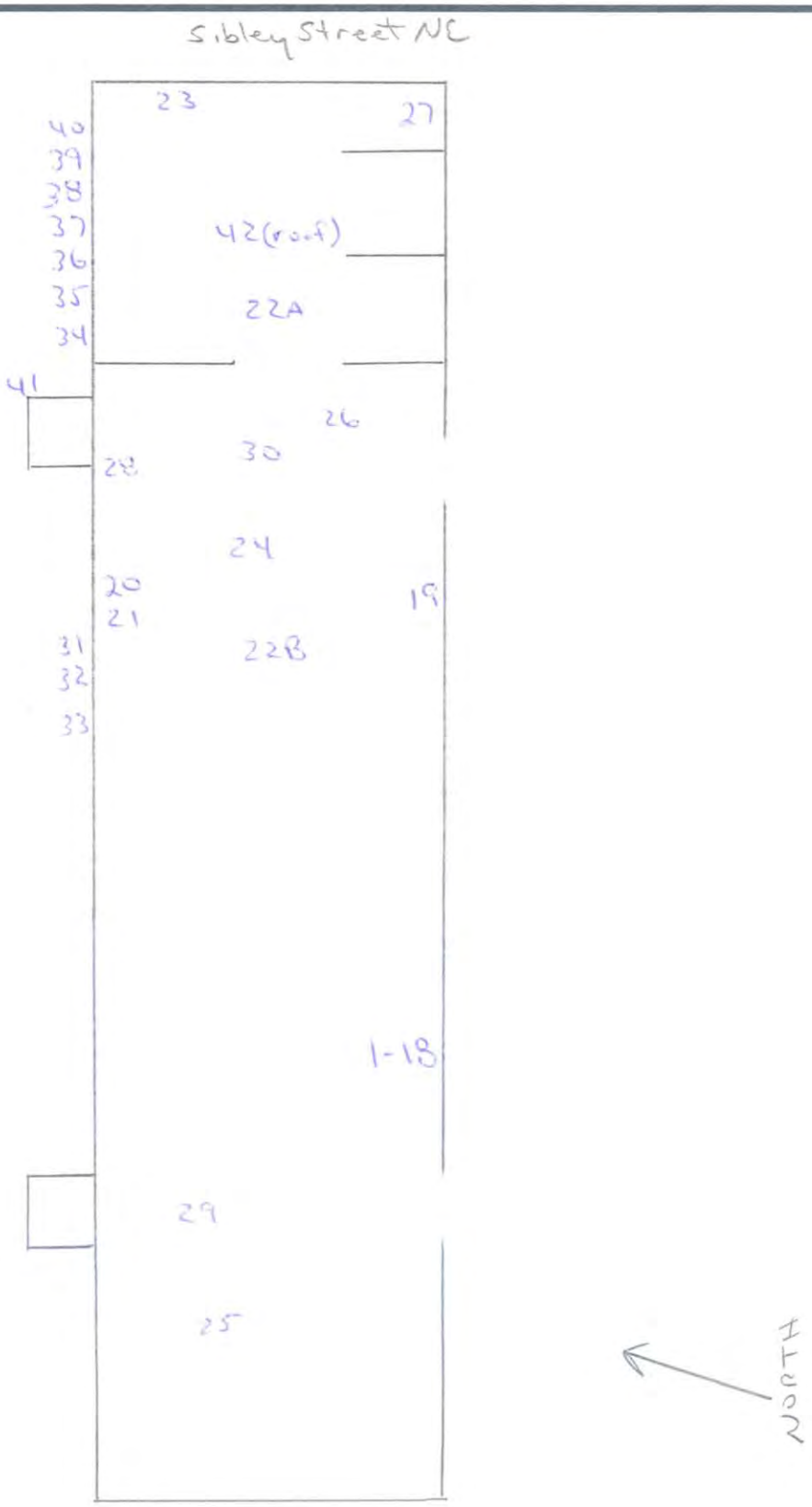
ND - Not detected at or above the laboratory detection limits.
SF - Square Feet.
LF - Linear Feet.

Peer Engineering
7615 Golden Triangle Dr., Suite N
Eden Prairie, MN 55344
(952) 831-3341 • Fax (952) 831-4552

Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers – Building 1A

By NOT TO SCALE Date _____



APPENDIX D

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer - Bldg 1A**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103467

EMSL Proj:
Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
1 *351103467-0001*	Royal Sovereign	Brown/Black Fibrous Homogeneous	35%	Glass	65% Non-fibrous (other)	**None Detected**
2 *351103467-0002*	Timberline	Non-Fibrous Heterogeneous	35%	Glass	65% Non-fibrous (other)	**None Detected**
3-Shingle *351103467-0003*	Prestique	Gray/Black Fibrous Heterogeneous	35%	Glass	65% Non-fibrous (other)	**None Detected**
3-Tar *351103467-0003A*	Prestique	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
4 *351103467-0004*	Raised Profile	Black Fibrous Homogeneous	35%	Glass	65% Non-fibrous (other)	**None Detected**
5 *351103467-0005*	Hatteras	Gray/Black Fibrous Heterogeneous	35%	Glass	65% Non-fibrous (other)	**None Detected**

Initial report from 06/22/2011 10:56:52

Analyst(s)

Heidi Johnson (69)

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
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			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
6-Gray Shingle *351103467-0006*	Grand Sequioa	Gray/Black Fibrous Heterogeneous	35%	Glass	65% Non-fibrous (other)	**None Detected**
6-Tar *351103467-0006A*	Grand Sequioa	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
6-Black Shingle *351103467-0006B*	Grand Sequioa	Black Fibrous Heterogeneous	35%	Glass	65% Non-fibrous (other)	**None Detected**
7 *351103467-0007*	Slateline	Red/Black Fibrous Heterogeneous	35%	Glass	65% Non-fibrous (other)	**None Detected**
8 *351103467-0008*	Grange	Black Fibrous Heterogeneous	35%	Glass	65% Non-fibrous (other)	**None Detected**
9 *351103467-0009*	Capstone	Gray/Black Fibrous Heterogeneous	35%	Glass	65% Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
10-Green Shingle *351103467-0010*	Grand Canyon	Black/Green Fibrous Heterogeneous	35%	Glass	65%	Non-fibrous (other)	**None Detected**
10-Tar *351103467-0010A*	Grand Canyon	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
10-Black Shingle *351103467-0010B*	Grand Canyon	Black Fibrous Heterogeneous	35%	Glass	65%	Non-fibrous (other)	**None Detected**
11-Shingle *351103467-0011*	Country Mansion	Tan/White/Black Fibrous Heterogeneous	35%	Glass	65%	Non-fibrous (other)	**None Detected**
11-Tar *351103467-0011A*	Country Mansion	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
12 *351103467-0012*	Camelot	Black Fibrous Heterogeneous	35%	Glass	65%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
13-Tan Shingle *351103467-0013*	Landmark TL	Tan/Black Fibrous Heterogeneous	35%	Glass	65% Non-fibrous (other)	**None Detected**
13-Tar *351103467-0013A*	Landmark TL	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
13-Black Shingle *351103467-0013B*	Landmark TL	Black Fibrous Heterogeneous	35%	Glass	65% Non-fibrous (other)	**None Detected**
14 *351103467-0014*	Independence	Gray/Black Fibrous Heterogeneous	35%	Glass	65% Non-fibrous (other)	**None Detected**
15 *351103467-0015*	New Horizon	Black/Blue Fibrous Heterogeneous	30% 5%	Glass Cellulose	65% Non-fibrous (other)	**None Detected**
16 *351103467-0016*	CertainTeed	Brown/Tan/Black Fibrous Heterogeneous	35%	Glass	65% Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
17-Black Shingle *351103467-0017*	Centennial Slate	Black Fibrous Heterogeneous	35%	Glass	65%	Non-fibrous (other)	**None Detected**
17-Tar *351103467-0017A*	Centennial Slate	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
17-Gray Shingle *351103467-0017B*	Centennial Slate	Gray/Black Fibrous Heterogeneous	30%	Glass	70%	Non-fibrous (other)	**None Detected**
18-Black Shingle *351103467-0018*	Grand Manor	Black Non-Fibrous Homogeneous	35%	Glass	65%	Non-fibrous (other)	**None Detected**
18-Tar *351103467-0018A*	Grand Manor	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
18-Gray Shingle *351103467-0018B*	Grand Manor	Gray/Black Fibrous Heterogeneous	30%	Glass	70%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
19 *351103467-0019*	SR - Comp	Tan/White Non-Fibrous Heterogeneous	15% Cellulose Sheetrock/Joint Compound		85% Non-fibrous (other)	**None Detected**
20 *351103467-0020*	White Pressboard Panel	Tan Fibrous Homogeneous	100% Cellulose		0% Non-fibrous (other)	**None Detected**
21-Paneling *351103467-0021*	Peghole Panel Behind 2D	Tan/Cream Fibrous Heterogeneous	85% Cellulose		15% Non-fibrous (other)	**None Detected**
21-Adhesive *351103467-0021A*	Peghole Panel Behind 2D	Black Non-Fibrous Homogeneous			94% Non-fibrous (other)	**6% Chrysotile**
22A *351103467-0022*	Carpet Mastic & Remnant Mastic	Black/Yellow Non-Fibrous Homogeneous			97% Non-fibrous (other)	**3% Chrysotile**
22B *351103467-0023*	Carpet Mastic & Remnant Mastic	Black/Yellow Non-Fibrous Homogeneous			97% Non-fibrous (other)	**3% Chrysotile**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
23-Sheetrock *351103467-0024*	Tar Behind SR - East End	Tan/White Non-Fibrous Homogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**
23-Mastic *351103467-0024A*	Tar Behind SR - East End	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
24 *351103467-0025*	White Display Covering	Gray/Tan Fibrous Heterogeneous	65%	Cellulose	35%	Non-fibrous (other)	**None Detected**
25 *351103467-0026*	Gray Countertop - West	Brown/Gray Fibrous Heterogeneous	45%	Cellulose	55%	Non-fibrous (other)	**None Detected**
26 *351103467-0027*	Gray Speckle Countertop - Reception	Brown/Green Non-Fibrous Homogeneous	40%	Cellulose	60%	Non-fibrous (other)	**None Detected**
27 *351103467-0028*	Black tar on Conc Block - Electrical	Gray/Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
28 *351103467-0029*	Door Caulk Interior - Double Door - East Entry	Brown Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
29-Ceramic Tile *351103467-0030*	7" Gray Ceramic F7	Gray Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
29-Grout *351103467-0030A*	7" Gray Ceramic F7	Gray Non-Fibrous Homogeneous	<1%	Cellulose	100% Non-fibrous (other)	**None Detected**
29-Bedding *351103467-0030B*	7" Gray Ceramic F7	Grayish Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
30-Ceramic Tile *351103467-0031*	12" Gray Ceramic F7	Gray/Tan Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
30-Grout *351103467-0031A*	12" Gray Ceramic F7	Gray Non-Fibrous Homogeneous	<1%	Cellulose	100% Non-fibrous (other)	**None Detected**

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			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
30-Bedding *351103467-0031B*	12" Gray Ceramic F7	Tan Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
30-Yellow Mastic *351103467-0031C*	12" Gray Ceramic F7	Yellow Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
30-Black Mastic *351103467-0031D*	12" Gray Ceramic F7	Black Non-Fibrous Homogeneous			93% Non-fibrous (other)	**7% Chrysotile**
31-Tan Shingle *351103467-0032*	Roof Shingle	Tan/Black Fibrous Heterogeneous	35%	Glass	65% Non-fibrous (other)	**None Detected**
31-Tar *351103467-0032A*	Roof Shingle	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
31-Brown Shingle *351103467-0032B*	Roof Shingle	Brown/Black Fibrous Heterogeneous	35%	Glass	65% Non-fibrous (other)	**None Detected**

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			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
32-Membrane *351103467-0033*	Roof Membrane & Tar	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
32-Tar *351103467-0033A*	Roof Membrane & Tar	Black Non-Fibrous Homogeneous			94% Non-fibrous (other)	**6% Chrysotile**
33 *351103467-0034*	Roof Vent Caulk 20LF	Gray/White Non-Fibrous Homogeneous	10%	Synthetic	90% Non-fibrous (other)	**None Detected**
34-Brick *351103467-0035*	Brick & Mortar - Exterior North	Brown Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
34-Mortar *351103467-0035A*	Brick & Mortar - Exterior North	Gray Non-Fibrous Homogeneous	<1%	Cellulose	100% Non-fibrous (other)	**None Detected**
35-Siding *351103467-0036*	Pressboard Siding & Vapor Barrier - Exterior North	Gray Fibrous Homogeneous	65%	Cellulose	35% Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
35-Black Fibrous Layer *351103467-0036A*	Pressboard Siding & Vapor Barrier - Exterior North	Black Fibrous Homogeneous	60% 10%	Cellulose Synthetic	30%	Non-fibrous (other)	**None Detected**
36 *351103467-0037*	Caulk at Base of Brick - Exterior North	Gray Non-Fibrous Homogeneous	10%	Synthetic	90%	Non-fibrous (other)	**None Detected**
37 *351103467-0038*	Caulk at Base of Siding - Exterior North	Gray Non-Fibrous Homogeneous	10%	Synthetic	90%	Non-fibrous (other)	**None Detected**
38 *351103467-0039*	Window Glaze - Exterior North	Cream Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
39 *351103467-0040*	Window Caulk at Base - Exterior North	Black Non-Fibrous Homogeneous	10%	Synthetic	90%	Non-fibrous (other)	**None Detected**
40 *351103467-0041*	Window Caulk Alongside - Exterior North	White Non-Fibrous Homogeneous	10%	Synthetic	90%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
41 *351103467-0042*	Door Caulk - Exterior East (40CF) West (25 LF)	Black Non-Fibrous Homogeneous	10%	Synthetic	90%	Non-fibrous (other)	**None Detected**
42-Gray Layer *351103467-0043*	Duct Putty - Roof 120 LF	Gray Non-Fibrous Homogeneous	10%	Synthetic	90%	Non-fibrous (other)	**None Detected**
42-Clear Layer *351103467-0043A*	Duct Putty - Roof 120 LF	Clear Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

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THIS IS THE LAST PAGE OF THE REPORT.

Asbestos Lab Services Chain of Custody

EMSL ANALYTICAL, INC

EMSL Order Number *(Lab Use Only)*: 3467

Minneapolis, MN
14375 23rd Avenue North
Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Company: Peer Engineering	**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 7615 Golden Triangle Drive Suite N	
City/State/Zip: Eden Prairie, MN 55447	
Report To (Name): Kelly Brown	**Fax:**
Telephone: 952-831-3341	**Email Address:** kbrown@peerengineering.com
Project Name/Number: Scherer	
Please Provide Results: Email	**Purchase Order:** **State Samples Taken:** MN

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☑ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hours/6 hours, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT (AHERA only)**
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: Kelly Brown **Samplers Signature:** Kelly Brown

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1	Royal Sovereign		6-15-11
2	Timberline		
3	Prestique		
4	Raised Profile		
5	Hatteras		
6	Grand Sequoia		
7	Slateline		
8	Grande		

Client Sample # (s): 1-42 **Total # of Samples:** 43 bags

Relinquished (Client): Kelly Brown **Date:** 6-19-11 **Time:**

Received (Lab): Alysha Stovall **Date:** 6/20/11 **Time:** 10:45am courier

Comments/Special Instructions: BLDG 1A

Asbestos Lab Services Chain of Custody

EMSL Order Number *(Lab Use Only)*: 34167

EMSL ANALYTICAL, INC.

Minneapolis, MN
14375 23rd Avenue North
Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
9	Capstone		
10	Grand Canyon		
11	Country Mansion		
12	Camelot		
13	Landmark TL		
14	Independence		
15	New Horizon		
16	CertainTeed		
17	Centennial Slate		
18	Grand Manor		
19	SR-comp - eg		
20	white pres/boards panel -		
21	peg hole panel behind 20		
22A	cast put matrix + remnant matrix		
22B	" "		
23	tar behind SR - east end		

Comments/Special Instructions: Bldg 1A

Asbestos Lab Services Chain of Custody

EMSL Order Number *(Lab Use Only)*: 3467

EMSL ANALYTICAL, INC.
Minneapolis, MN
14375 23rd Avenue North
Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
24	white display covering		
25	gray countertop - west		
26	gray speckle countertop - reception		
27	black tar on concrete block - electrical		
28	Door caulk interior - double door - exit entry		
29	9" gray ceramic FT		
30	12" gray ceramic FT		
31	Roof shingle		
32	Roof mastic + tar		
33	roof vent caulk 20LF		
34	brick + mortar - Exterior north		
35	pressboard siding + vapor barrier - exterior north		
36	caulk at base of brick - "	"	
37	caulk at base of siding - "	"	
38	window glaze - " "		
39	window caulk at base - " "		

Comments/Special Instructions: Bldg 1A

Asbestos Lab Services Chain of Custody

EMSL Order Number *(Lab Use Only):* 3467

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Minneapolis, MN
14375 23rd Avenue North
Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
40	window caulk alongside - exterior north		
41	door caulk - exterior east (40LF)	wall (21LF)	
42	Duct putty - roof 120LF		

Comments/Special Instructions: Bldg 1A

APPENDIX E

ASBESTOS SUMMARY TABLE - Scherer Brothers Lumber, Building 1B, Minneapolis, MN					
SAMPLE REFERENCE NUMBER	SUSPECT MATERIAL	LOCATION	% ASBESTOS ANALYTICAL RESULTS	FRIABLE OR NON-FRIABLE	QUANTITY
1	White pressboard wall panel	1st floor office hall	ND	NA	NA
2A-C	White ceiling material	1st floor vault	ND	NA	NA
3	Gray countertop material	1st floor lunchroom, kitchen, communications room, west open area and storage 3	ND	NA	NA
4	Gray marble countertop material	1st floor men's (whse)	ND	NA	NA
5	White countertop material	1st floor storage 3	ND	NA	NA
6	Gray duct putty	1st floor storage 3	ND	NA	NA
7	Tan duct putty	1st floor service area and 2nd floor mezzanine	ND	NA	NA
8	Tan fiberglass wall panel and tan mastic	1st floor men's (whse)	ND	NA	NA
9	Cloth vibration joint	1st floor mechanical (whse)	ND	NA	NA
10	Fiberglass wall insulation	South drive thru	ND	NA	NA
11	Fiberglass ceiling insulation	1st floor throughout	ND	NA	NA
12	White vinyl baseboard and yellow mastic	2nd floor men's	ND	NA	NA
13	Gray vinyl baseboard and tan mastic	1st floor west open area, men's restroom (whse), and ramp area	ND	NA	NA
14	Brown vinyl baseboard and yellow mastic	East and west stairwells	ND	NA	NA
15A-B	Drywall composite	Throughout	ND	NA	NA
16	**Off-white w/gray speckles vinyl sheet flooring and tan and gray mastics**	**2nd floor restrooms**	**30% (sheet flooring) ND (mastics)**	**Friable**	**86 SF**
17	**Lower vinyl floor and mastic**	**2nd floor men's**	**30% (sheet flooring) ND (mastic)**	**Friable**	**56 SF**
18	**Lower vinyl floor and mastic**	**2nd floor women's**	**30% (sheet flooring) ND (mastics**	**Friable**	**30 SF**
19	**Black mastic on wood wall panel**	**2nd floor women's**	**7%**	**Category I non-friable**	**40 SF**

ND - Not detected at or above the laboratory detection limits.
SF - Square Feet.
LF - Linear Feet.

ASBESTOS SUMMARY TABLE - Scherer Brothers Lumber, Building 1B, Minneapolis, MN					
SAMPLE REFERENCE NUMBER	SUSPECT MATERIAL	LOCATION	% ASBESTOS ANALYTICAL RESULTS	FRIABLE OR NON-FRIABLE	QUANTITY
20A-E	Textured ceiling material	2nd floor office area	ND	NA	NA
21A-B	Foam ball insulation inside concrete block	Interior	ND	NA	NA
22	18" smooth ceiling tile and brown mastic	1st floor lunchroom, hall, communications room, office 1, office hall and women's restroom	ND	NA	NA
23	1' x 1' peghole ceiling tile and brown mastic	1st floor hall and office hall	ND	NA	NA
24	2' x 2' gypsum ceiling tile	1st floor kitchen	ND	NA	NA
25	2' x 2' textured ceiling tile	1st floor throughout	ND	NA	NA
26	1' x 1' smooth ceiling tile and brown mastic	1st floor hall and kitchen	ND	NA	NA
27	**Tar behind drywall**	**1st floor hall (assumed along entire north wall on 1st floor)**	**7%**	**Category I non-friable**	**1,200 SF**
28	Brown ceiling insulation	1st floor hall	ND	NA	NA
29	1' x 1' gray marble floor tile, tan mastic, and white floor leveler	1st floor west open area and ramp area	ND	NA	NA
30	6" brown ceramic floor tile, grout and bedding	1st floor kitchen	ND	NA	NA
31	**9" x 9" brown floor tile and black and tan mastics**	**1st floor vault**	**10% (tile) ND (mastics)**	**Category I non-friable**	**120 SF**
32	3" tan ceramic floor and wall tile, grout and bedding	1st floor men's	ND	NA	NA
33	**7" tan ceramic floor tile, grout, bedding and black mastic**	**1st floor women's**	**ND (tile, grout and bedding) 6% (mastic)**	**Category I non-friable**	**96 SF**
34	**Green flooring and black mastic and tan carpet mastic**	**1st floor lunchroom, hall and communications room**	**15% (green flooring) ND (mastics)**	**Category I non-friable**	**540 SF**

ND - Not detected at or above the laboratory detection limits.
SF - Square Feet.
LF - Linear Feet.

ASBESTOS SUMMARY TABLE - Scherer Brothers Lumber, Building 1B, Minneapolis, MN					
SAMPLE REFERENCE NUMBER	SUSPECT MATERIAL	LOCATION	% ASBESTOS ANALYTICAL RESULTS	FRIABLE OR NON-FRIABLE	QUANTITY
35	**Tan flooring and black mastic and tan carpet mastic**	**1st floor office hall (room)**	**12% (tan flooring) ND (mastics)**	**Category I non-friable**	**72 SF**
36	**Brown flooring and black mastic and tan carpet mastic**	**1st floor office 1 and office hall**	**15% (brown flooring) ND (mastics)**	**Category I non-friable**	**395 SF**
37	**Dark red flooring and black mastic and tan carpet mastic**	**1st floor hall**	**10% (dark red flooring) ND (mastics)**	**Category I non-friable**	**416 SF**
38	Fiberboard floor panels	2nd floor and 3rd floor attics	ND	NA	NA
39	Fiberboard floor panels paper backing	3rd floor	ND	NA	NA
40A-C	Fiberglass pipe insulation	South drive thru	ND	NA	NA
41A-C	Fiberglass duct insulation	2nd floor and 3rd floor attics	ND	NA	NA
42	Gray window caulk along frame and stucco	Exterior - 2nd floor east	ND	NA	NA
43	Gray and brown window caulk on frame	Exterior - 2nd floor east	ND	NA	NA
44	Gray door caulk	Exterior - north (west drive thru)	ND	NA	NA
45A-G	Stucco	Exterior	ND	NA	NA
46	Concrete block	Throughout	ND	NA	NA

ND - Not detected at or above the laboratory detection limits.
SF - Square Feet.
LF - Linear Feet.

ASBESTOS SUMMARY TABLE - Scherer Brothers Lumber, Building 1B, Minneapolis, MN					
SAMPLE REFERENCE NUMBER	SUSPECT MATERIAL	LOCATION	% ASBESTOS ANALYTICAL RESULTS	FRIABLE OR NON-FRIABLE	QUANTITY
47	Concrete block with foam ball insulation	1st floor storage 1, storage 2, and east stairwell	ND	NA	NA
48	Brown window caulk	Exterior - 2nd floor north at base of of window on frame	ND	NA	NA
49	White door caulk	Exterior - west (roof access door)	ND	NA	NA
50	Brown vent caulk	Shingle roof - north	ND	NA	NA
51	Silver duct caulk	Shingle roof - north	ND	NA	NA
52	Shingles	Shingle roof - north	ND	NA	NA
53	**Tarpaper beneath shingles**	**Shingle roof**	**5% (silver layer) ND (black fibrous layer)**	**Category I non-friable**	**2,500 SF**
54	Flashing on HVAC units	Roof - west	ND	NA	NA
55	**Brown caulk along shingles**	**Roof**	**4%**	**Category I non-friable**	**150 LF**
56	**Silver/black tar near vent**	**Metal roof**	**15%**	**Category I non-friable**	**10 LF**
57	**Brown/black vent caulk**	**Metal roof**	**10%**	**Category I non-friable**	**12 LF**
58	Gray caulk	Roof - west (base of stucco)	ND	NA	NA
59	Tar, gravel and fiberboard roof deck	Roof	ND	NA	NA

ND - Not detected at or above the laboratory detection limits.
SF - Square Feet.
LF - Linear Feet.

ASBESTOS SUMMARY TABLE - Scherer Brothers Lumber, Building 1B, Minneapolis, MN					
SAMPLE REFERENCE NUMBER	SUSPECT MATERIAL	LOCATION	% ASBESTOS ANALYTICAL RESULTS	FRIABLE OR NON-FRIABLE	QUANTITY
60	**Black and silver/black flashing**	**Roof - below stucco**	**ND (black tar and black fibrous layer) 4% (silver layer)**	**Category I non-friable**	**120 SF**
61	Black tar on flashing	Roof - south (below shingles)	ND	NA	NA
62	**Silver/black tar flashing**	**Roof - below shingles**	**ND (black tar and black fibrous layer) 3% (silver layer)**	**Category I non-friable**	**200 SF**
63	**Silver tarpaper flashing**	**Roof - east (SEC)**	**ND (black fibrous layer) 2% (silver layer)**	**Category I non-friable**	**50 SF**
64	**Silver/black flashing**	**Roof - west (along west drive thru)**	**ND (black fibrous layer) 5% (silver layer)**	**Category I non-friable**	**120 SF**
65	**Black & silver/black flashing**	**Roof - south (along Building 9)**	**ND (black fibrous layer) 3% (silver layer)**	**Category I non-friable**	**150 SF**

ND - Not detected at or above the laboratory detection limits.
SF - Square Feet.
LF - Linear Feet.

ASBESTOS SUMMARY TABLE - Scherer Brothers Lumber, Building 1B, Minneapolis, MN					
SAMPLE REFERENCE NUMBER	SUSPECT MATERIAL	LOCATION	% ASBESTOS ANALYTICAL RESULTS	FRIABLE OR NON-FRIABLE	QUANTITY
66	Roof deck	Roof - west drive thru	ND	NA	NA
67	Roof flashing	Roof - west drive thru	ND	NA	NA
68	**Black/silver skylight flashing**	**Roof - west drive thru**	**5%**	**Category I non-friable**	**48 LF**
	Metal-clad fire doors	**Throughout**	**Assumed**		**18 EA**

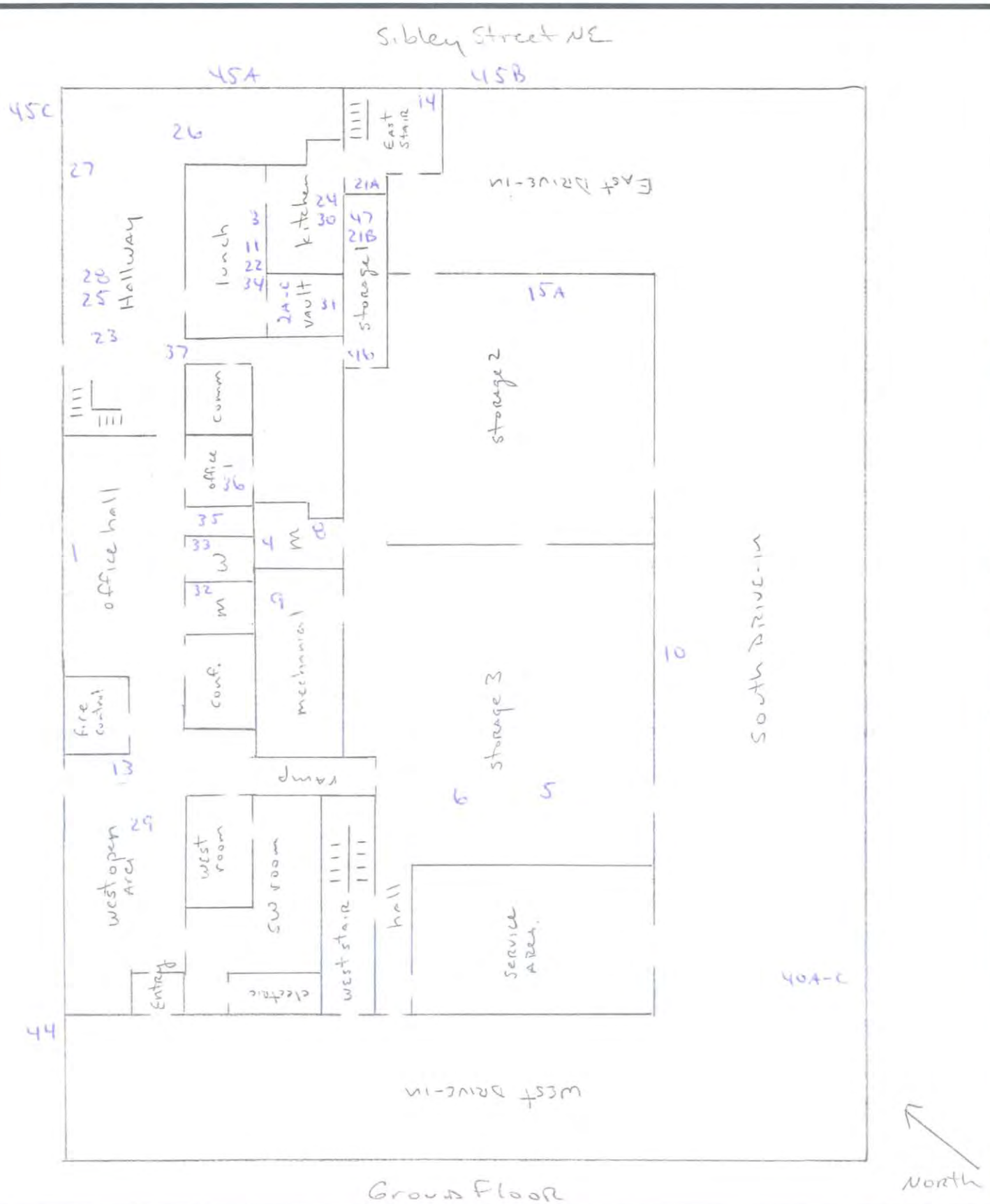
ND - Not detected at or above the laboratory detection limits.
SF - Square Feet.
LF - Linear Feet.

Peer Engineering
7615 Golden Triangle Dr., Suite N
Eden Prairie, MN 55344
(952) 831-3341 • Fax (952) 831-4552

Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers - Building 1B

By NOT TO SCALE Date _____

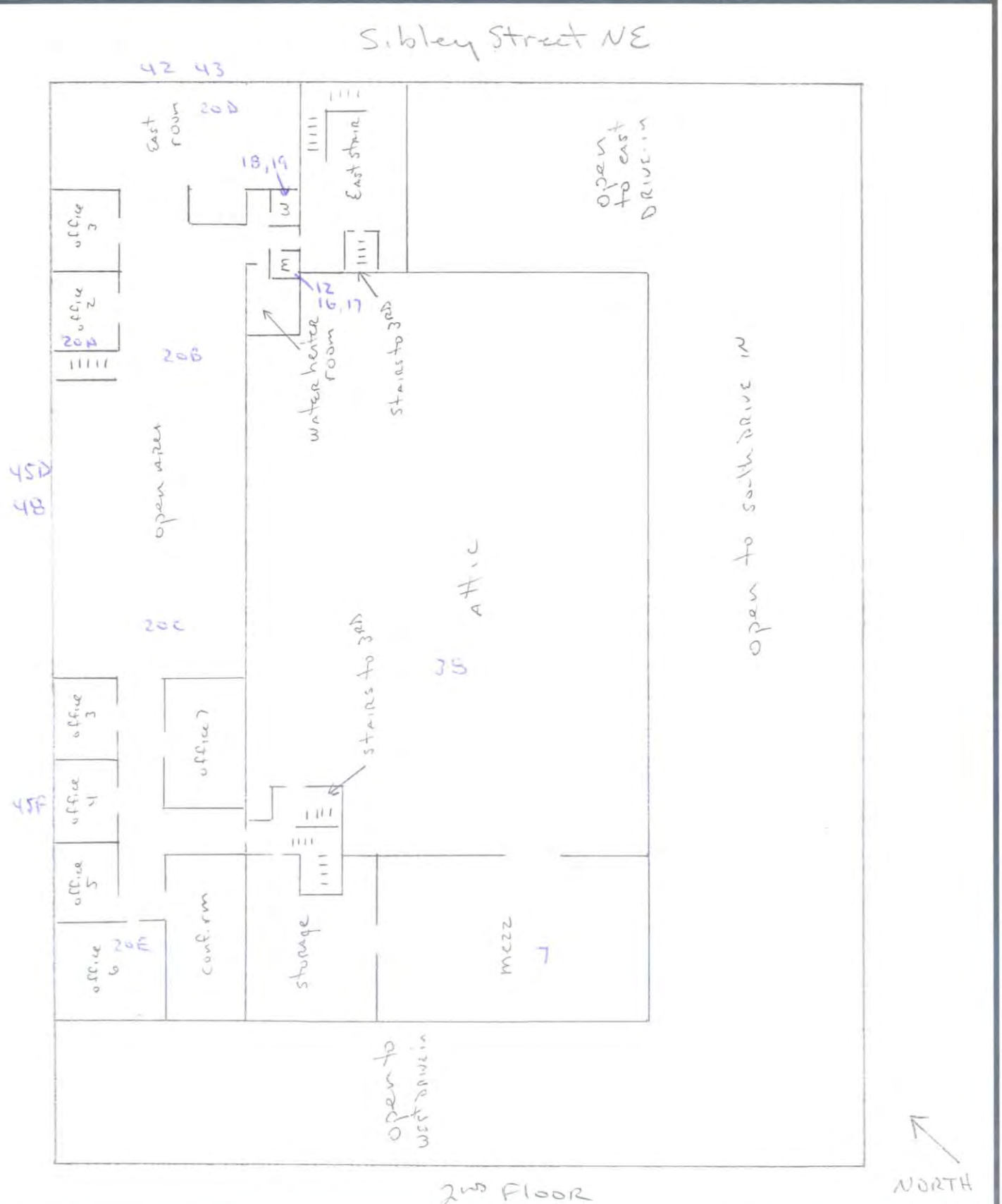


Peer Engineering
7615 Golden Triangle Dr., Suite N
Eden Prairie, MN 55344
(952) 831-3341 • Fax (952) 831-4552

Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers - Building 1B

By NOT TO SCALE Date _____

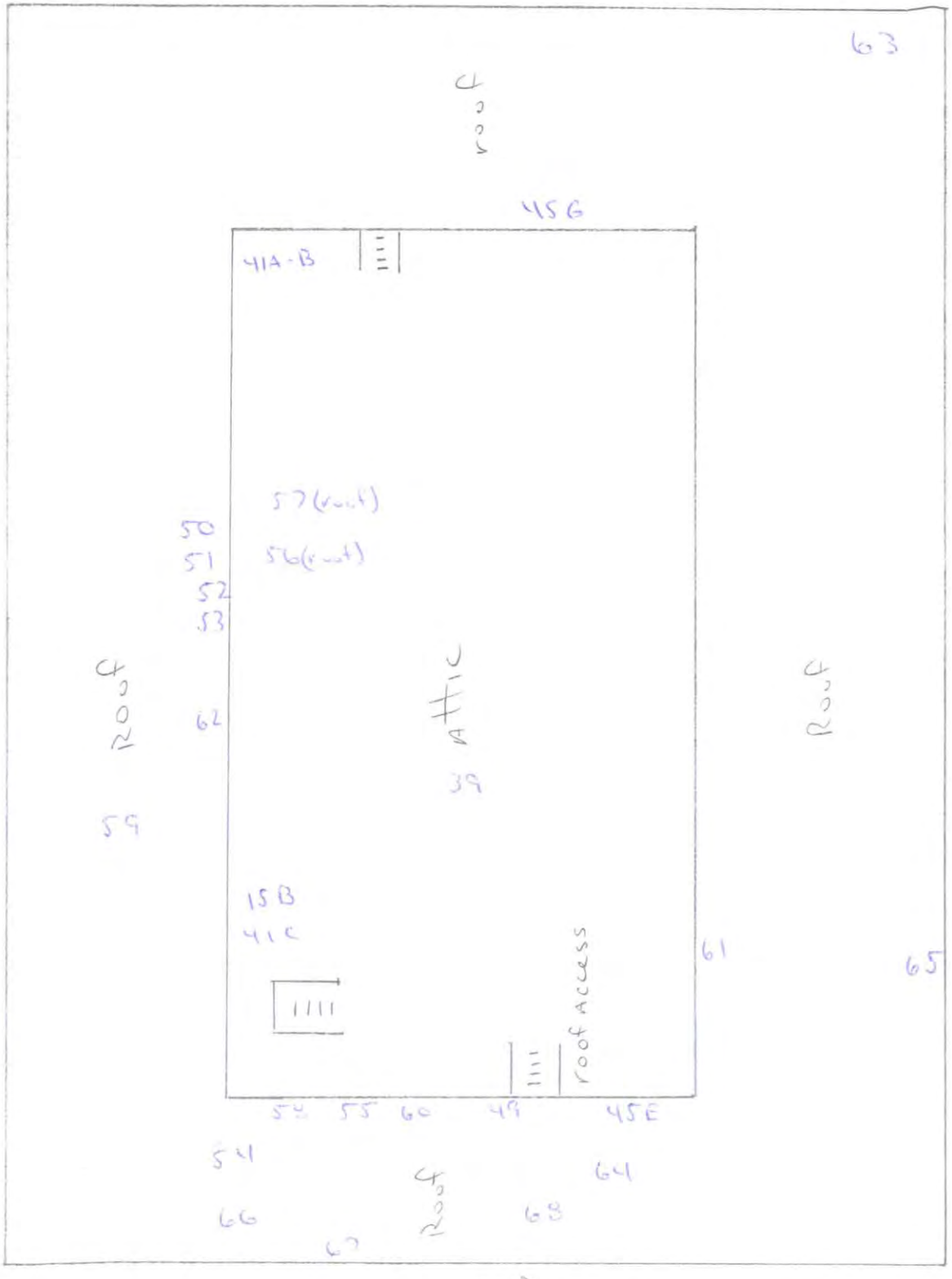


Peer Engineering
7615 Golden Triangle Dr., Suite N
Eden Prairie, MN 55344
(952) 831-3341 • Fax (952) 831-4552

Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers - Building 1B

By _____ Date _____



APPENDIX F

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer - Bldg 1B**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103475

EMSL Proj:
Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
1 *351103475-0001*	White Press Board Panel - 1st flr office hall	Brown/White Fibrous Homogeneous	90%	Cellulose	10%	Non-fibrous (other)	**None Detected**
2A *351103475-0002*	White Ceiling - Vault	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
2B *351103475-0003*	White Ceiling - Vault	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
2C *351103475-0004*	White Ceiling - Vault	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
3 *351103475-0005*	Gray Countertop - 1st Flr Lunchroom	Brown/Gray Fibrous Heterogeneous	65%	Cellulose	35%	Non-fibrous (other)	**None Detected**
4 *351103475-0006*	Gray Marble Countertop - 1st Flr Men's (Whse)	Brown/Green Fibrous Heterogeneous	75%	Cellulose	25%	Non-fibrous (other)	**None Detected**

Initial report from 06/23/2011 08:30:18

Analyst(s)

Kaitlyn Kubokawa (143)

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer - Bldg 1B**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103475

EMSL Proj:
Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
5 *351103475-0007*	White Countertop - 1st Flr Storage 3	Brown/White Fibrous Heterogeneous	90%	Cellulose	10%	Non-fibrous (other)	**None Detected**
6 *351103475-0008*	Gray Duct Putty - 1st Flr Storage 3	Silver Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
7 *351103475-0009*	Tan Duct Putty - 2nd Flr mezz.	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
8-Wall Panel *351103475-0010*	Tan FG Wall Panel & Mastic - 1st Flr Men's (Whse)	White/Beige Fibrous Heterogeneous	60%	Glass	40%	Non-fibrous (other)	**None Detected**
8-Mastic *351103475-0010A*	Tan FG Wall Panel & Mastic - 1st Flr Men's (Whse)	Beige Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
9 *351103475-0011*	Cloth vib jt - 1st flr mech (whse)	White/Black Fibrous Heterogeneous	50%	Glass	50%	Non-fibrous (other)	**None Detected**

Initial report from 06/23/2011 08:30:18

Analyst(s)

Kaitlyn Kubokawa (143)

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer - Bldg 1B**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103475

EMSL Proj:
Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
10 *351103475-0012*	FG Wall Insul - South Drive Thru	Yellow Fibrous Homogeneous	95%	Min. Wool	5%	Non-fibrous (other)	**None Detected**
11 *351103475-0013*	FG Ceiling Insul. - 1st Flr Lunchroom	Brown/Silver Fibrous Heterogeneous	60%	Cellulose	40%	Non-fibrous (other)	**None Detected**
12-Baseboard *351103475-0014*	White Vinyl/BB - 2nd Flr men	White Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
12-Mastic *351103475-0014A*	White Vinyl/BB - 2nd Flr men	Yellow Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
13-Baseboard *351103475-0015*	Gray Vinyl/BB - 1st Flr West Open Area	Gray Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
13-Mastic *351103475-0015A*	Gray Vinyl/BB - 1st Flr West Open Area	Tan Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**

Initial report from 06/23/2011 08:30:18

Analyst(s)

Kaitlyn Kubokawa (143)

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer - Bldg 1B**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103475

EMSL Proj:
Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
14-Baseboard *351103475-0016*	Brown - BB - 1st Flr East Storage	Brown Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
14-Mastic *351103475-0016A*	Brown - BB - 1st Flr East Storage	Yellow Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
15A *351103475-0017*	SR Comp - 1st Flr Storage 2	Brown/White Fibrous Heterogeneous	20% Composite	Cellulose	80%	Non-fibrous (other)	**None Detected**
15B *351103475-0018*	SR Comp - 3rd Flr.	Brown/White Fibrous Heterogeneous	20% Composite	Cellulose	80%	Non-fibrous (other)	**None Detected**
16-Beige Tile *351103475-0019*	Off White w/gray speckles vinyl - 2nd Flr Men	Beige Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
16-Gray Fibrous Backing *351103475-0019A*	Off White w/gray speckles vinyl - 2nd Flr Men	Gray Fibrous Heterogeneous	20% 5% 5%	Cellulose Synthetic Glass	70%	Non-fibrous (other)	**None Detected**

Initial report from 06/23/2011 08:30:18

Analyst(s)

Kaitlyn Kubokawa (143)

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer - Bldg 1B**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103475

EMSL Proj:
Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
16-Tan/White Mastic *351103475-0019B*	Off White w/gray speckles vinyl - 2nd Flr Men	Tan/White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
16-Brown Linoleum *351103475-0019C*	Off White w/gray speckles vinyl - 2nd Flr Men	Brown/Gray Fibrous Heterogeneous		70% Non-fibrous (other)	**30% Chrysotile**
16-Gray Mastic *351103475-0019D*	Off White w/gray speckles vinyl - 2nd Flr Men	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
17-Linoleum *351103475-0020*	Lower Vinyl - 2nd Flr Men	Gray/Beige Non-Fibrous Heterogeneous		70% Non-fibrous (other)	**30% Chrysotile**
17-Mastic *351103475-0020A*	Lower Vinyl - 2nd Flr Men	Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
18-Linoleum *351103475-0021*	Lower Vinyl - 2nd Flr Women	Gray/Tan Fibrous Heterogeneous		70% Non-fibrous (other)	**30% Chrysotile**

Initial report from 06/23/2011 08:30:18

Analyst(s)

Kaitlyn Kubokawa (143)

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer - Bldg 1B**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103475

EMSL Proj:
Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
18-Mastic *351103475-0021A*	Lower Vinyl - 2nd Flr Women	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
19 *351103475-0022*	Black Mastic on Wood Wall Panel - 2nd Flr Women	Black Non-Fibrous Heterogeneous		93% Non-fibrous (other)	**7% Chrysotile**
20A *351103475-0023*	Text Ceil - 2nd Flr Office 2	White Non-Fibrous Homogeneous		85% Non-fibrous (other) 15% Mica	**None Detected**
20B *351103475-0024*	Text Ceil - 2nd Flr Open Area	White Non-Fibrous Homogeneous		85% Non-fibrous (other) 15% Mica	**None Detected**
20C *351103475-0025*	Text Ceil - 2nd Flr Open Area	White Non-Fibrous Homogeneous		85% Non-fibrous (other) 15% Mica	**None Detected**
20D *351103475-0026*	Text Ceil - 2nd Flr East Room	White Non-Fibrous Homogeneous		85% Non-fibrous (other) 15% Mica	**None Detected**

Initial report from 06/23/2011 08:30:18

Analyst(s)

Kaitlyn Kubokawa (143)

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer - Bldg 1B**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103475

EMSL Proj:
Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
20E *351103475-0027*	Text Ceil - 2nd Flr Office 6	White Non-Fibrous Homogeneous			85% 15%	Non-fibrous (other) Mica	**None Detected**
21A *351103475-0028*	Foam Ball Wall Insulation - 1st Flr East Stair	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
21B-Styrofoam *351103475-0029*	In Conc Block Foam Ball Wall Insulation - 1st Flr	White Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
21B-Concrete Block *351103475-0029A*	In Conc Block Foam Ball Wall Insulation - 1st Flr	Gray Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
22-Ceiling Tile *351103475-0030*	18" Smooth CT - 1st Flr Lunchroom	Brown Fibrous Heterogeneous	90%	Cellulose	10%	Non-fibrous (other)	**None Detected**
22-Mastic *351103475-0030A*	18" Smooth CT - 1st Flr Lunchroom	Brown Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
23-Ceiling Tile *351103475-0031*	1x1 Peghole CT - 1st Hall	Brown/Yellow Fibrous Heterogeneous	10% 80%	Cellulose Min. Wool	10%	Non-fibrous (other)	**None Detected**
23-Mastic *351103475-0031A*	1x1 Peghole CT - 1st Hall	Brown Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
24-Texture *351103475-0032*	2x2 SR CT - 1st Flr - Kitchen	White Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
24-Sheetrock *351103475-0032A*	2x2 SR CT - 1st Flr - Kitchen	Brown/White Fibrous Heterogeneous	20% <1%	Cellulose Glass	80%	Non-fibrous (other)	**None Detected**
25 *351103475-0033*	2x2 Textured CT - 1st Flr Hall	Brown/White/Silver Fibrous Heterogeneous	5% 75%	Cellulose Min. Wool	20%	Non-fibrous (other)	**None Detected**
26-Ceiling Tile *351103475-0034*	1x1 Smooth CT - 1st Flr Hall	Brown Fibrous Heterogeneous	90%	Cellulose	10%	Non-fibrous (other)	**None Detected**

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Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
26-Mastic *351103475-0034A*	1x1 Smooth CT - 1st Flr Hall	Brown Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
27 *351103475-0035*	Tar Behind SR - 1st Flr Hall	Black Non-Fibrous Homogeneous			93%	Non-fibrous (other)	**7% Chrysotile**
28 *351103475-0036*	Ceiling Insulation - 1st Flr Hall	Brown Fibrous Homogeneous	85%	Cellulose	15%	Non-fibrous (other)	**None Detected**
29-Floor Tile *351103475-0037*	12x12 Gray Marble FT - 1st Flr West Open Area	Gray Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
29-Mastic *351103475-0037A*	12x12 Gray Marble FT - 1st Flr West Open Area	Tan/Green Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
29-Leveler *351103475-0037B*	12x12 Gray Marble FT - 1st Flr West Open Area	White Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**		**% Type**
30-Ceramic Tile *351103475-0038*	6" Brown Ceramic FT - 1st Flr Kitchen	Brown Non-Fibrous Heterogeneous		100%	Non-fibrous (other)	**None Detected**
30-Grout *351103475-0038A*	6" Brown Ceramic FT - 1st Flr Kitchen	Brown Non-Fibrous Heterogeneous		100%	Non-fibrous (other)	**None Detected**
30-Bedding *351103475-0038B*	6" Brown Ceramic FT - 1st Flr Kitchen	Non-Fibrous Heterogeneous		100%	Non-fibrous (other)	**None Detected**
31-Black Mastic *351103475-0039*	9x9 Brown FT - Vault	Black Non-Fibrous Heterogeneous		100%	Non-fibrous (other)	**None Detected**
31-Floor Tile *351103475-0039A*	9x9 Brown FT - Vault	Tan Non-Fibrous Heterogeneous		90%	Non-fibrous (other)	**10% Chrysotile**
31-Tan Mastic *351103475-0039B*	9x9 Brown FT - Vault	Tan Non-Fibrous Heterogeneous		100%	Non-fibrous (other)	**None Detected**

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Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
32-Ceramic Tile *351103475-0040*	3" Tan Ceramic FT - 1st Flr Men's	Tan Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
32-Grout *351103475-0040A*	3" Tan Ceramic FT - 1st Flr Men's	Tan Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
32-Bedding *351103475-0040B*	3" Tan Ceramic FT - 1st Flr Men's	Brown/Gray Non-Fibrous Heterogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**
33-Ceramic Tile *351103475-0041*	3" Tan Ceramic FT - 1st Flr Women's	Tan/Red Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
33-Grout *351103475-0041A*	3" Tan Ceramic FT - 1st Flr Women's	Gray Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
33-Bedding *351103475-0041B*	3" Tan Ceramic FT - 1st Flr Women's	Gray Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**

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Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
33-Black Mastic *351103475-0041C*	3" Tan Ceramic FT - 1st Flr Women's	Black Non-Fibrous Heterogeneous			94%	Non-fibrous (other)	**6%**	**Chrysotile**
34-Clear Mastic *351103475-0042*	Green Flooring - 1st Flr Lunchroom	Clear Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**	
34-Gray Layer *351103475-0042A*	Green Flooring - 1st Flr Lunchroom	Gray Non-Fibrous Heterogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**	
34-Green Flooring *351103475-0042B*	Green Flooring - 1st Flr Lunchroom	Green Fibrous Heterogeneous			85%	Non-fibrous (other)	**15%**	**Chrysotile**
34-Black Mastic *351103475-0042C*	Green Flooring - 1st Flr Lunchroom	Black Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**	
35-Tan Mastic *351103475-0043*	Tan Flooring - 1st Flr Office Hall (room)	Tan Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**	

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Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
35-Flooring *351103475-0043A*	Tan Flooring - 1st Flr Office Hall (room)	Tan Fibrous Heterogeneous			88%	Non-fibrous (other)	**12% Chrysotile**
35-Black Mastic *351103475-0043B*	Tan Flooring - 1st Flr Office Hall (room)	Black Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
36-Tan Mastic *351103475-0044*	Brown Flooring - 1st Flr Office 1	Tan Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
36-Flooring *351103475-0044A*	Brown Flooring - 1st Flr Office 1	Brown Non-Fibrous Heterogeneous			85%	Non-fibrous (other)	**15% Chrysotile**
36-Black Mastic *351103475-0044B*	Brown Flooring - 1st Flr Office 1	Black Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
37-Tan Mastic *351103475-0045*	Dark Red Flooring & Carpet Mastic - 1st Flr Hall	Tan Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**

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Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
37-Flooring *351103475-0045A*	Dark Red Flooring & Carpet Mastic - 1st Flr Hall	Red Fibrous Heterogeneous			90%	Non-fibrous (other)	**10%**	**Chrysotile**
37-Black Mastic *351103475-0045B*	Dark Red Flooring & Carpet Mastic - 1st Flr Hall	Black Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**	
38 *351103475-0046*	Fiberboard Floor Panels - 2nd Flr Attic	Brown Fibrous Homogeneous	95%	Cellulose	5%	Non-fibrous (other)	**None Detected**	
39 *351103475-0047*	Fiberboard Paperbacking - 3rd Floor	Brown/Black Fibrous Heterogeneous	75%	Cellulose	25%	Non-fibrous (other)	**None Detected**	
40A-Wrap *351103475-0048*	FG TSI - South Drive Thru	White/Silver Fibrous Heterogeneous	45% 5%	Cellulose Glass	50%	Non-fibrous (other)	**None Detected**	
40A-Insulation *351103475-0048A*	FG TSI - South Drive Thru	Yellow Non-Fibrous Heterogeneous	95%	Min. Wool	5%	Non-fibrous (other)	**None Detected**	

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Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
40B-Wrap *351103475-0049*	FG TSI - South Drive Thru	White/Silver Fibrous Heterogeneous	45% 5%	Cellulose Glass	50%	Non-fibrous (other)	**None Detected**
40B-Insulation *351103475-0049A*	FG TSI - South Drive Thru	Yellow Fibrous Heterogeneous	95%	Min. Wool	5%	Non-fibrous (other)	**None Detected**
40C-Wrap *351103475-0050*	FG TSI - South Drive Thru	White Fibrous Heterogeneous	45% 5%	Cellulose Glass	50%	Non-fibrous (other)	**None Detected**
40C-Insulation *351103475-0050A*	FG TSI - South Drive Thru	Yellow Fibrous Heterogeneous	95%	Min. Wool	5%	Non-fibrous (other)	**None Detected**
41A-Wrap *351103475-0051*	FG Duct - 3rd Flr	Brown/Silver Fibrous Heterogeneous	50%	Cellulose	50%	Non-fibrous (other)	**None Detected**
41A-Insulation *351103475-0051A*	FG Duct - 3rd Flr	Yellow Fibrous Heterogeneous	95%	Min. Wool	5%	Non-fibrous (other)	**None Detected**

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Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
41B-Wrap *351103475-0052*	FG Duct - 3rd Flr	Brown/Silver Fibrous Heterogeneous	50%	Cellulose	50%	Non-fibrous (other)	**None Detected**
41B-Insulation *351103475-0052A*	FG Duct - 3rd Flr	Yellow Fibrous Heterogeneous	95%	Min. Wool	5%	Non-fibrous (other)	**None Detected**
41C-Wrap *351103475-0053*	FG Duct - 3rd Flr	Brown/Silver Fibrous Heterogeneous	50%	Cellulose	50%	Non-fibrous (other)	**None Detected**
41C-Insulation *351103475-0053A*	FG Duct - 3rd Flr	Yellow Fibrous Heterogeneous	95%	Min. Wool	5%	Non-fibrous (other)	**None Detected**
42 *351103475-0054*	Window Caulk Along Frame & Stucco - 2nd Flr Exteri	Gray Fibrous Homogeneous	5%	Synthetic	95%	Non-fibrous (other)	**None Detected**
43-Gray Caulk *351103475-0055*	Window Caulk on Frame - 2nd Flr Exterior East	Gray Fibrous Heterogeneous	5%	Synthetic	95%	Non-fibrous (other)	**None Detected**

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Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**		**% Type**
43-Brown Caulk *351103475-0055A*	Window Caulk on Frame - 2nd Flr Exterior East	Brown Non-Fibrous Heterogeneous		100%	Non-fibrous (other)	**None Detected**
44 *351103475-0056*	Door Caulk - Exterior North - West Drive Thru 20LF	Gray Non-Fibrous Homogeneous		100%	Non-fibrous (other)	**None Detected**
45A *351103475-0057*	Stucco - Exterior East 1st Flr	Gray/White Non-Fibrous Heterogeneous		100%	Non-fibrous (other)	**None Detected**
45B *351103475-0058*	Stucco - Exterior East 1st Flr	White Non-Fibrous Heterogeneous		100%	Non-fibrous (other)	**None Detected**
45C *351103475-0059*	Stucco - Exterior North 1st Flr NWC	White Non-Fibrous Heterogeneous		100%	Non-fibrous (other)	**None Detected**
45D *351103475-0060*	Stucco - Exterior North 2nd Flr	White Non-Fibrous Heterogeneous		100%	Non-fibrous (other)	**None Detected**

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Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**		**% Type**
45E *351103475-0061*	Stucco - Exterior Roof West	White Non-Fibrous Heterogeneous		100%	Non-fibrous (other)	**None Detected**
45F *351103475-0062*	Stucco - Exterior North 2nd Flr	White Non-Fibrous Heterogeneous		100%	Non-fibrous (other)	**None Detected**
45G *351103475-0063*	Stucco - Exterior Roof East	White Non-Fibrous Heterogeneous		100%	Non-fibrous (other)	**None Detected**
46 *351103475-0064*	Conc Block - Storage 1	Gray Non-Fibrous Heterogeneous		100%	Non-fibrous (other)	**None Detected**
47 *351103475-0065*	Conc Block - w/Foamball Filler - Storage 1	Gray Non-Fibrous Heterogeneous		100%	Non-fibrous (other)	**None Detected**
48 *351103475-0066*	Window Caulk - Exterior 2nd Flr North at Base of W	Brown Fibrous Homogeneous		100%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
49 *351103475-0067*	Door Caulk - Exterior Roof Access Door West 20 LF	White Fibrous Homogeneous	3%	Synthetic	97%	Non-fibrous (other)	**None Detected**
50 *351103475-0068*	Brown Vent Caulk - Shingle Roof North 10 LF	Brown Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
51 *351103475-0069*	Silver Duct Caulk - Shingle Roof North 30 LF	Silver Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
52 *351103475-0070*	Shingles - Shingle Roof North	Black Fibrous Heterogeneous	15%	Glass	85%	Non-fibrous (other)	**None Detected**
53-Silver Layer *351103475-0071*	Tar Paper Beneath Shingles - Shingle Roof North	Silver Non-Fibrous Heterogeneous			95%	Non-fibrous (other)	**5% Chrysotile**
53-Black Fibrous Layer *351103475-0071A*	Tar Paper Beneath Shingles - Shingle Roof North	Black Fibrous Heterogeneous	30% 10%	Cellulose Glass	60%	Non-fibrous (other)	**None Detected**

Initial report from 06/23/2011 08:30:18

Analyst(s)

Kaitlyn Kubokawa (143)

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer - Bldg 1B**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103475

EMSL Proj:
Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
54-Top Tar Layer *351103475-0072*	Flashing on HVAC Unit & Roof West 80 SF	Black Fibrous Heterogeneous	25%	Cellulose	75%	Non-fibrous (other)	**None Detected**
54-Fibrous Black Layer with Rocks *351103475-0072A*	Flashing on HVAC Unit & Roof West 80 SF	Black Fibrous Heterogeneous	25%	Synthetic	75%	Non-fibrous (other)	**None Detected**
54-2nd Tar Layer *351103475-0072B*	Flashing on HVAC Unit & Roof West 80 SF	Black Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
54-Brown Fibrous Layer *351103475-0072C*	Flashing on HVAC Unit & Roof West 80 SF	Brown Fibrous Heterogeneous	70% 10%	Cellulose Min. Wool	10% 10%	Non-fibrous (other) Perlite	**None Detected**
55 *351103475-0073*	Brown Caulk Along Shingles - Roof West 150 LF	Brown Non-Fibrous Homogeneous			96%	Non-fibrous (other)	**4% Chrysotile**
56 *351103475-0074*	Silver Black Tar Near Vent - Metal Roof 10 LF	Black/Silver Fibrous Homogeneous			85%	Non-fibrous (other)	**15% Chrysotile**

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
57 *351103475-0075*	Vent Caulk - Metal Roof - 12 LF	Brown/Black Fibrous Homogeneous			90%	Non-fibrous (other)	**10%**	**Chrysotile**
58 *351103475-0076*	Gray Caulk - Roof West Base of Stucco 60 LF	Gray Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**	
59-Brown Fibrous Layer *351103475-0077*	Fiberboard Tar & Gravel Roof Deck - Roof North	Brown Fibrous Heterogeneous	90%	Cellulose	10%	Non-fibrous (other)	**None Detected**	
59-Black Layer *351103475-0077A*	Fiberboard Tar & Gravel Roof Deck - Roof North	Non-Fibrous Heterogeneous	10%	Glass	90%	Non-fibrous (other)	**None Detected**	
60-Top Tar Layer *351103475-0078*	Black & Silver/Black Flashing - Roof West Below S	Black Fibrous Heterogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**	
60-Silver Layer *351103475-0078A*	Black & Silver/Black Flashing - Roof West Below S	Silver Non-Fibrous Heterogeneous			96%	Non-fibrous (other)	**4%**	**Chrysotile**

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or other approved signatory

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Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer - Bldg 1B**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103475

EMSL Proj:
Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
60-Black Fibrous Layer *351103475-0078B*	Black & Silver/Black Flashing - Roof West Below S	Black Fibrous Heterogeneous	15%	Glass	85%	Non-fibrous (other)	**None Detected**
61 *351103475-0079*	Black Tar On Flashing - Roof South Below Shingles	Black Fibrous Heterogeneous	10%	Glass	90%	Non-fibrous (other)	**None Detected**
62-Silver Layer *351103475-0080*	Silver Black Tar Flashing - Roof North Below Shing	Black/Silver Non-Fibrous Heterogeneous			97%	Non-fibrous (other)	**3% Chrysotile**
62-Fibrous Black Layer *351103475-0080A*	Silver Black Tar Flashing - Roof North Below Shing	Black Fibrous Heterogeneous	20%	Glass	80%	Non-fibrous (other)	**None Detected**
62-Tar Layer *351103475-0080B*	Silver Black Tar Flashing - Roof North Below Shing	Black Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
62-Shingle w/Silver Layer in Middle *351103475-0080C*	Silver Black Tar Flashing - Roof North Below Shing	Black/Silver Fibrous Heterogeneous	10%	Cellulose	87%	Non-fibrous (other)	**3% Chrysotile**

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or other approved signatory

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Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

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Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

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EMSL Proj:
Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
63-Silver Layer *351103475-0081*	Silver Tar Paper Flashing - Roof East (SEC) Over E	Silver Non-Fibrous Heterogeneous			98%	Non-fibrous (other)	**2%**	**Chrysotile**
63-Black Fibrous Layer *351103475-0081A*	Silver Tar Paper Flashing - Roof East (SEC) Over E	Black Fibrous Heterogeneous	35%	Glass	65%	Non-fibrous (other)	**None Detected**	
64-Silver Layer *351103475-0082*	Silver Black Flashing - Roof West Along West Drive	Silver Non-Fibrous Heterogeneous			95%	Non-fibrous (other)	**5%**	**Chrysotile**
64-Black Layer *351103475-0082A*	Silver Black Flashing - Roof West Along West Drive	Black Fibrous Heterogeneous	20%	Glass	80%	Non-fibrous (other)	**None Detected**	
65-Silver/Loose Black Tar Layer *351103475-0083*	Black and Silver/Black Flashing - Roof South Along	Black/Silver Non-Fibrous Heterogeneous			97%	Non-fibrous (other)	**3%**	**Chrysotile**
65-Fibrous Black Layer *351103475-0083A*	Black and Silver/Black Flashing - Roof South Along	Black Fibrous Heterogeneous	20%	Glass	80%	Non-fibrous (other)	**None Detected**	

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Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

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Peer Engineering
7615 Golden Triangle Drive
Suite N
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Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
66 *351103475-0084*	Roof Deck - West Drive Thru	Black Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
67-Top Black Fibrous Layer *351103475-0085*	Roof Flashing - West Drive Thru	Black Fibrous Heterogeneous	40%	Cellulose	60%	Non-fibrous (other)	**None Detected**
67-Tar Paper *351103475-0085A*	Roof Flashing - West Drive Thru	Black Fibrous Heterogeneous	60%	Cellulose	40%	Non-fibrous (other)	**None Detected**
67-Tar Layer with Woven Fibrous Layer *351103475-0085B*	Roof Flashing - West Drive Thru	Black Fibrous Heterogeneous	10% 10%	Glass Cellulose	80%	Non-fibrous (other)	**None Detected**
68 *351103475-0086*	Skylight Flashing - West Drive Thru	Black/Silver Fibrous Homogeneous	5%	Cellulose	90%	Non-fibrous (other)	**5% Chrysotile**

Initial report from 06/23/2011 08:30:18

Analyst(s)

Kaitlyn Kubokawa (143)

Rachel Travis, Laboratory Manager
or other approved signatory

THIS IS THE LAST PAGE OF THE REPORT.

Asbestos Lab Services Chain of Custody

EMSL ANALYTICAL, INC.

EMSL Order Number *(Lab Use Only)*: 3475

Minneapolis, MN
14375 23rd Avenue North
Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Company: Peer Engineering	**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 7615 Golden Triangle Drive Suite N	
City/State/Zip: Eden Prairie, MN 55447	
Report To (Name): Kelly Brown	**Fax:**
Telephone: 952-831-3341	**Email Address:** kbrown@peerengineering.com
Project Name/Number: Scherer	
Please Provide Results: Email	**Purchase Order:** / **State Samples Taken:** MN

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☒ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hours/6 hours, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ 4-4.5hr TAT (AHERA only)
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: Kelly Brown **Samplers Signature:** [signature]

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1	white gyp/board panel - 1st flr office hall		6-15-11
2A-C	white ceiling - vault		
3	gray countertop - 1st flr lunchroom		
4	gray marble countertop - 1st flr men's (white)		
5	white countertop - 1st flr storage		
6	gray duct putty - 1st flr storage		
7	tan duct putty - 2nd flr mech		
8	tan FG wall panel + mastic - 1st flr men's (white)		

Client Sample # (s): 1 - 68 **Total # of Samples:** 86 bags

Relinquished (Client): [signature] **Date:** 6-19-11 **Time:**

Received (Lab): CROTHER, CONNIE **Date:** 6-20-11 **Time:** 10:45 am

Comments/Special Instructions: Bldg 1B

Asbestos Lab Services Chain of Custody

EMSL Order Number *(Lab Use Only)*: 3475

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Minneapolis, MN
14375 23rd Avenue North
Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
9	cloth vib jt - 1st Flr mech (white)		
10	f6 wall insul - subsurface		
11	f6 ceiling insul - 1st Flr lunchroom		
12	white vinyl BB - 2nd flr men		
13	gray vinyl BB - 1st flr west open area		
14	brown BB - 1st Flr East stairs		
15A	SR comp - 1st Flr storage 2		
15B	" - 3rd Flr		
16	off white/gray speckles vinyl - 2nd flr men		
17	lower vinyl - 2nd flr men		
18	lower vinyl - 2nd flr women		
19	black mastic on wood wall panel - 2nd flr women		
20A	textured - 2nd Flr office 2		
20B	" " " open area		
20C	" " " open area		
20D	" " - east room		
20E	" " - office 6		

Comments/Special Instructions: Bldg 1B

Asbestos Lab Services Chain of Custody

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LABORATORY • PRODUCTS • TRAINING

Minneapolis, MN
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Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
21A	foam ball wall insulation - 1st flr east stairs in cone stairs		
21B	1st flr storage		
22	18" smooth CT - 1st flr lunchroom		
23	1x1 pegged CT - 1st flr hall		
24	2x2 SR CT - 1st Flr - kitchen		
25	2x2 textured CT - 1st flr hall		
26	1x1 smooth CT - 1st flr hall		
27	tan bubbled SR - 1st flr hall		
29	ceiling insulation - 1st flr hall		
29	12x12 gray marbled FT - 1st Flr west open area		
30	6" brown ceramic FT - 1st flr kitchen		
31	9x9 brown FT - vault		
32	3" tan ceramic FT - 1st flr women's		
33	3" tan ceramic FT - 1st flr women's		
34	green flooring - 1st flr lunchroom		
35	tan flooring - 1st Flr office hall (room)		

Comments/Special Instructions: Bldg 1B

Asbestos Lab Services Chain of Custody

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Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
36	brown flooring - 1st flr office 1		
37	dark red flooring + carpet mastic - 1st flr hall		
38	fiberboard floor panels - 2nd flr office		
39	" " paper backing - 3rd flr		
40A-C	FG TSI - south drive thru		
41A-C	FG Duct - 3rd flr		
42	window caulk along frame + stucco - 2nd flr exterior exit		
43	window caulk on frame - "		"
44	door caulk - exterior north-west drive thru 2nd flr		
45A	stucco - exterior exit 1st flr		
45B	" "		
45C	" " north 1st flr NW c		
45D	" North 2nd flr		
45E	roof west		
45F	" North 2nd flr		
45G	" roof east		

Comments/Special Instructions: Bldg 1B

Asbestos Lab Services Chain of Custody

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Minneapolis, MN 55447
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Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
46	concblock - storage		
47	concblock w/foamball filler - storage		
48	window caulk - exterior 2nd flr north at base of window frame		
49	door caulk - exterior roof access door west	20LF	
50	brown vent caulk - shingle roof north	10LF	
51	silvacoat caulk - shingle roof north	30LF	
52	shingles - shingle roof north		
53	tarpaper beneath shingles	"	
54	flashing on HVAC unit - roof west	tar, tarpaper, tar, flakboard w/perlite BOSF	
55	brown caulk along shingles - roof west	150 LF	
56	silvacoat black tar near vent - metal roof	10LF	
57	vent caulk - metal roof	12LF	
58	gray caulk - roof west base of stucco	60 LF	
59	tar + gravel flakboard roof deck - roof north		
60	black + silver/black flashing - roof west	below stucco	
61	black tar on flashing - roof south	below shingles 100 ϕ	

Comments/Special Instructions: Bldg 1B

Asbestos Lab Services Chain of Custody

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Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
62	silver black tar flashing - roof north below shingles	100 ft	
63	silver tar paper flashing - roof exit (SEC)		over exit DRIVE THRU
64	silver black flashing - roof west along west drive thru		
65	black + silver/black flashing - roof south along Bldg 9	150x3 ft	
66	roof deck - west DRIVE THRU		
67	roof flashing - " "		
69	skylight flashing - " "		

Comments/Special Instructions: Bldg 1B

shingle roof
100 x 60

APPENDIX G

ASBESTOS SUMMARY TABLE - Scherer Brothers Lumber, Building 1C, Minneapolis, MN					
SAMPLE REFERENCE NUMBER	SUSPECT MATERIAL	LOCATION	% ASBESTOS ANALYTICAL RESULTS	FRIABLE OR NON-FRIABLE	QUANTITY
1A-C	Fiberglass pipe insulation	Interior	ND	NA	NA
2	Fiberglass ceiling insulation	Interior	ND	NA	NA
3	Remnant gray wall mastic	Wood shop	ND	NA	NA
4	White wall caulk	South loading dock	ND	NA	NA
5	Glass block window mortar	Open area, north loading dock, wood shop	ND	NA	NA
6	Drywall ceiling	Open area and south loading dock	ND	NA	NA
7	2' x 4 pinhole/divot ceiling tile	Office	ND	NA	NA
8	Brown duct putty	Open area and wood shop	ND	NA	NA
9	Fiberboard behind wood siding	South loading dock	ND	NA	NA
10	Brown door caulk	Exterior - north (NWC)	ND	NA	NA
11	White door caulk	Exterior - north (NEC)	ND	NA	NA
12	Concrete block	Interior and exterior	ND	NA	NA
13	Roof deck material (tar, fiberboard and foam)	Roof	ND	NA	NA
14	Roof flashing (tar, tarpaper and fiberboard)	Roof	ND	NA	NA
15	**Gray/black tar and tarpaper**	**Roof - NEC**	**15%**	**Category I non-friable**	**240 SF**
16	Gray caulk on skylights	Roof	ND	NA	NA
17	Black tar on stack	Roof - wood shop	ND	NA	NA
18	**Silver/black tar and clear caulk on stack**	**Roof - open area**	**15% (silver/black tar) ND (clear caulk)**	**Category I non-friable**	**10 LF**
	Metal-clad fire doors	**Throughout**	**Assumed**		**5EA**

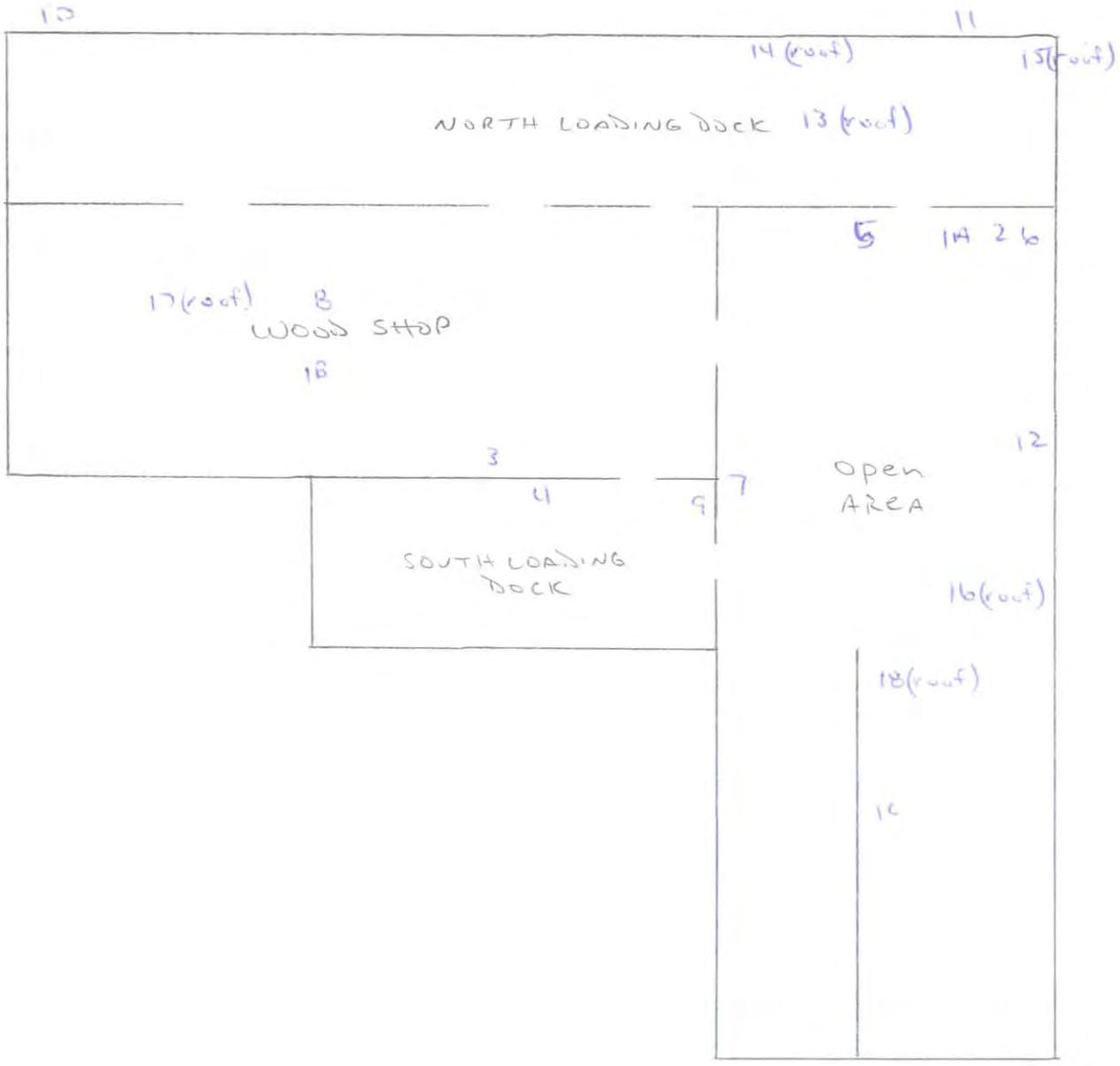
ND - Not detected at or above the laboratory detection limits.
SF - Square Feet.
LF - Linear Feet.

Peer Engineering
7615 Golden Triangle Dr., Suite N
Eden Prairie, MN 55344
(952) 831-3341 • Fax (952) 831-4552

Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers - Building 1C

By NOT TO SCALE Date _____



APPENDIX H

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer Bldg 1C**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103468

EMSL Proj:
Analysis Date: 6/21/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
1A *351103468-0001*	F6 TSI open Area/woodshop/open Area	White/Silver/Yellow Fibrous Heterogeneous	10% Cellulose 85% Min. Wool		5% Non-fibrous (other)	**None Detected**
1B *351103468-0002*	F6 TSI open Area/woodshop/open Area	White/Silver/Yellow Fibrous Heterogeneous	10% Cellulose 85% Min. Wool		5% Non-fibrous (other)	**None Detected**
1C *351103468-0003*	F6 TSI open Area/woodshop/open Area	White/Silver/Yellow Fibrous Heterogeneous	10% Cellulose 85% Min. Wool		5% Non-fibrous (other)	**None Detected**
2 *351103468-0004*	F6 ceiling insulation-open Area	Yellow Fibrous Homogeneous	95% Min. Wool		5% Non-fibrous (other)	**None Detected**
3 *351103468-0005*	remnant wall mastic - woodshop	Gray Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
4 *351103468-0006*	wall caulk - South Dock	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**

Initial report from 06/21/2011 16:12:20

Analyst(s)

Heidi Johnson (24)

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer Bldg 1C**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103468

EMSL Proj:
Analysis Date: 6/21/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
5 *351103468-0007*	glass block window mortar - open Area	Tan Non-Fibrous Homogeneous	3%	Cellulose	97%	Non-fibrous (other)	**None Detected**
6 *351103468-0008*	ISR ceiling - open Area	Tan/White Non-Fibrous Homogeneous	10% 5%	Cellulose Glass	85%	Non-fibrous (other)	**None Detected**
7 *351103468-0009*	2x4 p/d/c7 - office	Tan/White Fibrous Homogeneous	40% 40%	Cellulose Min. Wool	10% 10%	Non-fibrous (other) Perlite	**None Detected**
8 *351103468-0010*	brown duct putty - wood shop	Tan Non-Fibrous Homogeneous	5%	Cellulose	95%	Non-fibrous (other)	**None Detected**
9 *351103468-0011*	fiberboard behind wood siding - South Dock	Tan Fibrous Homogeneous	95%	Cellulose	5%	Non-fibrous (other)	**None Detected**
10 *351103468-0012*	brown Door caulk - exterior north NWC	Brown/Gray Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

Initial report from 06/21/2011 16:12:20

Analyst(s)

Heidi Johnson (24)

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
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EMSL Proj:
Analysis Date: 6/21/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
11 *351103468-0013*	white Door caulk - exterior north NEC	White Non-Fibrous Homogeneous	10%	Synthetic	90%	Non-fibrous (other)	**None Detected**
12 *351103468-0014*	coneblock - open Area	Gray Non-Fibrous Homogeneous	<1%	Cellulose	100%	Non-fibrous (other)	**None Detected**
13-Tar Layer *351103468-0015*	Roof deck - north loading Dock	Black Non-Fibrous Homogeneous	5%	Glass	95%	Non-fibrous (other)	**None Detected**
13-Black Layer *351103468-0015A*	Roof deck - north loading Dock	Non-Fibrous Heterogeneous	25%	Cellulose	75%	Non-fibrous (other)	**None Detected**
13-Fibrous Layer *351103468-0015B*	Roof deck - north loading Dock	Brown Fibrous Homogeneous	95%	Cellulose	5%	Non-fibrous (other)	**None Detected**
14-Black Layer *351103468-0016*	Roof flashing - north loading Dock	Black Non-Fibrous Homogeneous	15%	Cellulose	85%	Non-fibrous (other)	**None Detected**

Initial report from 06/21/2011 16:12:20

Analyst(s)

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Attn: **Kelly Brown**
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Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer Bldg 1C**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103468

EMSL Proj:
Analysis Date: 6/21/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
14-Gray Layer *351103468-0016A*	Roof flashing - north loading Dock	Gray/Black Non-Fibrous Homogeneous	30%	Cellulose	70%	Non-fibrous (other)	**None Detected**
15 *351103468-0017*	gray black tar - north loading Dock NEC	Gray/Black Non-Fibrous Homogeneous			85%	Non-fibrous (other)	**15% Chrysotile**
16 *351103468-0018*	gray caulk on skylights - 8x14 Lf	Gray Non-Fibrous Homogeneous	10%	Synthetic	90%	Non-fibrous (other)	**None Detected**
17 *351103468-0019*	black tan on stack - roof woodshop 4 Lf	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
18-White Layer *351103468-0020*	silver black tar on stack & clear caulk - roof ope	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
18-Black Layer *351103468-0020A*	silver black tar on stack & clear caulk - roof ope	Black Non-Fibrous Homogeneous			85%	Non-fibrous (other)	**15% Chrysotile**

Initial report from 06/21/2011 16:12:20

Analyst(s)

Heidi Johnson (24)

Rachel Travis, Laboratory Manager
or other approved signatory

THIS IS THE LAST PAGE OF THE REPORT.

Asbestos Lab Services Chain of Custody

EMSL ANALYTICAL, INC.

EMSL Order Number *(Lab Use Only):* 3468

Minneapolis, MN
14375 23rd Avenue North
Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Company: Peer Engineering	**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 7615 Golden Triangle Drive Suite N	
City/State/Zip: Eden Prairie, MN 55447	
Report To (Name): Kelly Brown	**Fax:**
Telephone: 952-831-3341	**Email Address:** kbrown@peerengineering.com
Project Name/Number: Scheper	
Please Provide Results: Email	**Purchase Order:** **State Samples Taken:** MN

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☒ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hours/6 hours, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☑ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT (AHERA only)**
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: Kelly Brown **Samplers Signature:** Kelly Brown

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1A-C	FG TSI open area/woodshop/open area		6-15-11
2	FG ceiling insulation - open area		
3	remnant wall plaster - woodshop		
4	wall caulk - south dock		
5	glass block window mortar - open area		
6	SR ceiling - open area		
7	2x4 p/d/ct - office		
8	brown duct putty - wood shop		

Client Sample # (s): 1A - 18 **Total # of Samples:** 20 bags

Relinquished (Client): Kelly Brown **Date:** 6-15-11 **Time:**

Received (Lab): Alyssa Tidwell **Date:** 6/20/11 **Time:** 10:45 am corner

Comments/Special Instructions: Bldg 1C

Asbestos Lab Services Chain of Custody

EMSL Order Number *(Lab Use Only)*: 34608

EMSL ANALYTICAL, INC.
Minneapolis, MN
14375 23rd Avenue North
Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
9	Fiberboard ~~behind~~ wood siding - south Dock		
10	brown Door caulk - exterior north NWC		
11	white " - exterior north NEC		
12	cmu block - open Area		
13	roof deck - north loading dock		
14	roof flashing - " "		
15	gray black tar - " " NEC		
16	gray caulk on skylight - 8 x 14 LF		
17	black tar on ~~deck~~ - roof woodshop		4 LF
18	silver black tar on deck + clear caulk - roof open Area		10 LF

Comments/Special Instructions: Bldg 1C

Roof Deck
tar + gravel
fiberboard
tar
foam
wood on concrete

flashing
tar
tar paper
fiberboard

APPENDIX I

ASBESTOS SUMMARY TABLE - Scherer Brothers Lumber, Building 1D, Minneapolis, MN					
SAMPLE REFERENCE NUMBER	SUSPECT MATERIAL	LOCATION	% ASBESTOS ANALYTICAL RESULTS	FRIABLE OR NON-FRIABLE	QUANTITY
1	Brown duct putty	Shop	ND	NA	NA
2	Fiberglass ceiling insulation	Interior	ND	NA	NA
3	Gray feather countertop material	Electrical room	ND	NA	NA
4	Brick and mortar	Electrical room	ND	NA	NA
5	Drywall composite	Electrical room	ND	NA	NA
6	Fiberboard behind wood siding	Shop	ND	NA	NA
7	Fiberboard wall panel	Exterior - south	ND	NA	NA
8	Gray door caulk	Exterior - south	ND	NA	NA
9	Concrete block	Interior and exterior	ND	NA	NA
10	Black stack tar	Roof	ND	NA	NA
11	Clear/silver caulk on dust collector	Roof	ND	NA	NA
12	Black tar on dust collector	Roof	ND	NA	NA
13	Membrane, black seam tar, and fiberboard underlay	Roof	ND	NA	NA
14	**Silver shingle/tarpaper and black tar**	**Roof**	**ND (shingle) 10% (tar)**	**Category I non-friable**	**4,480 SF**
15	Green shingle/tarpaper and black tar	Roof	ND	NA	NA

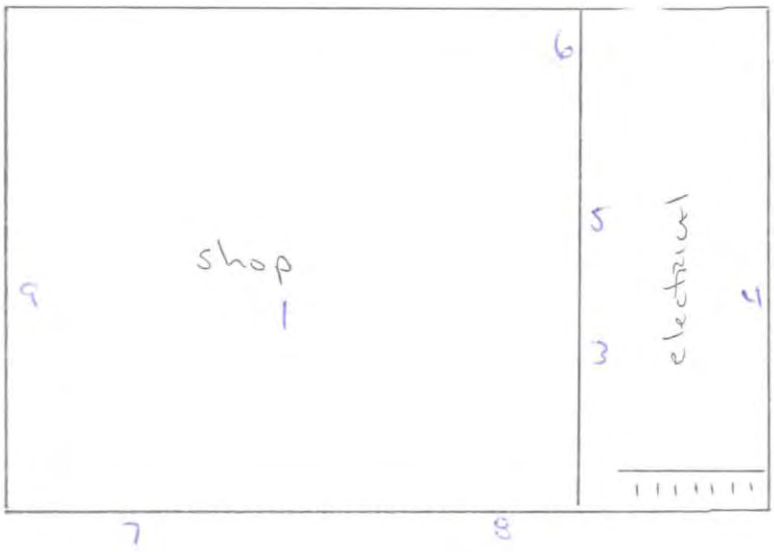
ND - Not detected at or above the laboratory detection limits.
SF - Square Feet.
LF - Linear Feet.

Peer Engineering
7615 Golden Triangle Dr., Suite N
Eden Prairie, MN 55344
(952) 831-3341 • Fax (952) 831-4552

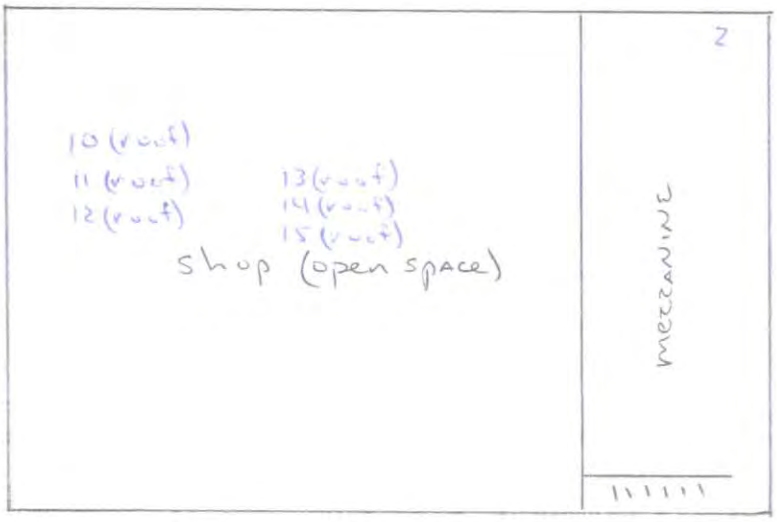
Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers - Building 1D

By NOT TO SCALE Date _____



Ground Floor



Upper Floor

NORTH

APPENDIX J

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer Bldg 1D**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103466

EMSL Proj:
Analysis Date: 6/21/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
1 *351103466-0001*	Brown Duct Putty	Brown Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
2 *351103466-0002*	F6 Ceiling Insulation - Mezzanine	Brown Fibrous Homogeneous	95%	Min. Wool	5% Non-fibrous (other)	**None Detected**
3 *351103466-0003*	Gray Feather Countertop - Electric Room	Gray Non-Fibrous Heterogeneous	45%	Cellulose	55% Non-fibrous (other)	**None Detected**
4 *351103466-0004*	Brick & Mortar - Electric Room	Gray/White Non-Fibrous Homogeneous	<1%	Cellulose	100% Non-fibrous (other)	**None Detected**
5 *351103466-0005*	Brick & Mortar - Electric Room	Tan/White Non-Fibrous Heterogeneous Sheetrock/Joint Compound	15%	Cellulose	85% Non-fibrous (other)	**None Detected**
6 *351103466-0006*	Fiberboard behind woodsiding - Interior	Fibrous Homogeneous	95%	Cellulose	5% Non-fibrous (other)	**None Detected**

Initial report from 06/21/2011 16:13:59

Analyst(s)

Heidi Johnson (21)

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer Bldg 1D**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103466

EMSL Proj:
Analysis Date: 6/21/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
7 *351103466-0007*	Fiberboard Wall Panel - Exterior South	Brown/White Fibrous Homogeneous	95%	Cellulose	5% Non-fibrous (other)	**None Detected**
8 *351103466-0008*	Door Caulk - Exterior South	Gray/Tan Non-Fibrous Homogeneous	10%	Synthetic	90% Non-fibrous (other)	**None Detected**
9 *351103466-0009*	Conc Block	Tan Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
10 *351103466-0010*	Black Stack Tar - Roof 5LF	Black Non-Fibrous Homogeneous	5%	Cellulose	95% Non-fibrous (other)	**None Detected**
11-Clear Layer *351103466-0011*	Clear Caulk on Hoper - Roof	Cream Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
11-Silver Layer *351103466-0011A*	Clear Caulk on Hoper - Roof	Silver Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**

Initial report from 06/21/2011 16:13:59

Analyst(s)

Heidi Johnson (21)

Rachel Travis, Laboratory Manager
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Project: **Scherer Bldg 1D**

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EMSL Order: 351103466

EMSL Proj:
Analysis Date: 6/21/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
12 *351103466-0012*	Black Tar on Hopper - Roof 8 LF	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
13-Gray Layer *351103466-0013*	Roof Membrane, Tar & Fiberboard	Gray Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
13-Fibrous Layer *351103466-0013A*	Roof Membrane, Tar & Fiberboard	Tan Fibrous Homogeneous	100%	Cellulose	0% Non-fibrous (other)	**None Detected**
13-Black Layer *351103466-0013B*	Roof Membrane, Tar & Fiberboard	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
14-Top Shingle *351103466-0014*	Silver Shingle - Roof	White/Black Fibrous Heterogeneous	35%	Cellulose	65% Non-fibrous (other)	**None Detected**
14-Tar *351103466-0014A*	Silver Shingle - Roof	Black Non-Fibrous Homogeneous			90% Non-fibrous (other)	**10% Chrysotile**

Initial report from 06/21/2011 16:13:59

Analyst(s)

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Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer Bldg 1D**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103466

EMSL Proj:
Analysis Date: 6/21/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**% Non-Fibrous**	**% Type**
14-Bottom Shingle *351103466-0014B*	Silver Shingle - Roof	Black Fibrous Homogeneous	35%	Cellulose	65% Non-fibrous (other)	**None Detected**
15-Green Shingle *351103466-0015*	Green Shingle - Roof	Black/Green Fibrous Heterogeneous	35%	Cellulose	65% Non-fibrous (other)	**None Detected**
15-Tar *351103466-0015A*	Green Shingle - Roof	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**

Initial report from 06/21/2011 16:13:59

Analyst(s)

Heidi Johnson (21)

Rachel Travis, Laboratory Manager
or other approved signatory

THIS IS THE LAST PAGE OF THE REPORT.

EMSL ANALYTICAL, INC.

Asbestos Lab Services Chain of Custody

EMSL Order Number *(Lab Use Only)*: 34166

Minneapolis, MN
14375 23rd Avenue North
Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Company: Peer Engineering	**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 7615 Golden Triangle Drive Suite N	
City/State/Zip: Eden Prairie, MN 55447	
Report To (Name): Kelly Brown	**Fax:**
Telephone: 952-831-3341	**Email Address:** kbrown@peerengineering.com
Project Name/Number: Scherer	
Please Provide Results: Email	**Purchase Order:** **State Samples Taken:** MN

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☒ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hours/6 hours, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT (AHERA only)**
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: Kelly Brown **Samplers Signature:** Kelly Brown

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1	brown duct putty		6-15-11
2	FG ceiling insulation - mezzanine		
3	gray feather roofing - electric room		
4	brick + mortar - " "		
5	SR comp - " "		
6	fiberboard behind wood siding - interior		
7	fiberboard wall panel - exterior south		
8	Door caulk - exterior south		

Client Sample # (s): 1-15 **Total # of Samples:** 15 bags

Relinquished (Client): Kelly Brown **Date:** 6-19-11 **Time:**

Received (Lab): Alyssa Kinnell **Date:** 6/20/11 **Time:** 10:45am courier

Comments/Special Instructions: Bldg ID

Asbestos Lab Services Chain of Custody

EMSL Order Number *(Lab Use Only)*: 3466

EMSL ANALYTICAL, INC.

Corporate -
Westmont/Cinnaminson, NJ
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
9	conc block		
10	black stark tar - roof SLF		
11	clear caulk on hopper - roof		
12	black tar on hopper - roof SLF		
13	roof membrane, tar + fiberboard		
14	silver shingle - roof		
15	green shingle - roof		
	Roof Deck		
	Ribbon membrane w/tar & sand fiberboard silver shingle green shingle wood		

Comments/Special Instructions: Bldg ID

APPENDIX K

ASBESTOS SUMMARY TABLE - Scherer Brothers Lumber, Building 5, Minneapolis, MN					
SAMPLE REFERENCE NUMBER	SUSPECT MATERIAL	LOCATION	% ASBESTOS ANALYTICAL RESULTS	FRIABLE OR NON-FRIABLE	QUANTITY
1A-C	Stucco	Exterior	ND	NA	NA
2	Concrete block	Interior and exterior	ND	NA	NA
3	Drywall	Electrical room	ND	NA	NA
4	Gray door caulk	Interior - south	ND	NA	NA
5	Gray door caulk	Interior - north	ND	NA	NA
6	Gray door caulk	Exterior	ND	NA	NA
7	**Shingles and tarpaper**	**Roof**	**ND (shingles) 10% (tarpaper)**	**Category I non-friable**	**15,675 SF**

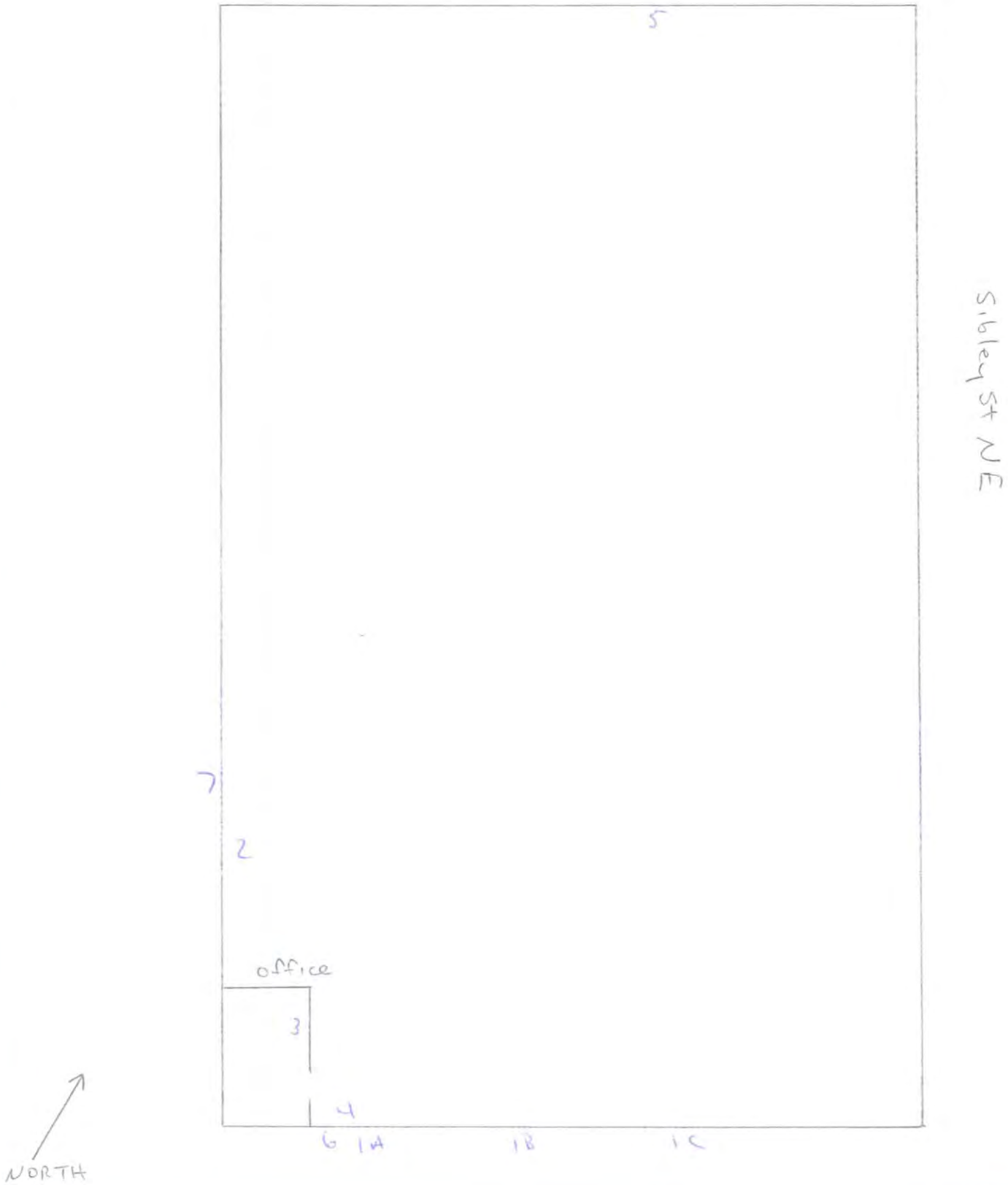
ND - Not detected at or above the laboratory detection limits.
SF - Square Feet.
LF - Linear Feet.

Peer Engineering
7615 Golden Triangle Dr., Suite N
Eden Prairie, MN 55344
(952) 831-3341 • Fax (952) 831-4552

Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers - Building 5

By NOT TO SCALE Date _____



APPENDIX L

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer Bldg 5**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:45 AM
EMSL Order: 351103478

EMSL Proj:
Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
1A *351103478-0001*	stucco-Exterior South	White Non-Fibrous Homogeneous	2%	Cellulose	98% Non-fibrous (other)	**None Detected**
1B *351103478-0002*	stucco-Exterior South	White Non-Fibrous Homogeneous	2%	Cellulose	98% Non-fibrous (other)	**None Detected**
1C *351103478-0003*	stucco-Exterior South	White Non-Fibrous Homogeneous	2%	Cellulose	98% Non-fibrous (other)	**None Detected**
2 *351103478-0004*	cone block	Tan Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
3 *351103478-0005*	SR	Gray/Tan/White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
4 *351103478-0006*	door caulk-interior south	Gray Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**

Initial report from 06/22/2011 15:56:03

Analyst(s)

Heidi Johnson (10)

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
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Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
5 *351103478-0007*	door caulk-interior north 20 LF	Gray Non-Fibrous Homogeneous	10%	Synthetic	90%	Non-fibrous (other)	**None Detected**
6 *351103478-0008*	door caulk-exterior south 20 LF	Gray Non-Fibrous Homogeneous	10%	Synthetic	90%	Non-fibrous (other)	**None Detected**
7-Shingle *351103478-0009*	Roof shingles/tan paper	Brown/Black Fibrous Heterogeneous	35%	Cellulose	65%	Non-fibrous (other)	**None Detected**
7-Tar Paper *351103478-0009A*	Roof shingles/tan paper	Black Fibrous Homogeneous	15%	Cellulose	75%	Non-fibrous (other)	**10% Chrysotile**

Initial report from 06/22/2011 15:56:03

Analyst(s)

Heidi Johnson (10)

Rachel Travis, Laboratory Manager
or other approved signatory

THIS IS THE LAST PAGE OF THE REPORT.

Asbestos Lab Services Chain of Custody

EMSL ANALYTICAL, INC.

EMSL Order Number *(Lab Use Only):* 3478

Minneapolis, MN
14375 23rd Avenue North
Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Company: Peer Engineering	**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 7615 Golden Triangle Drive Suite N	
City/State/Zip: Eden Prairie, MN 55447	
Report To (Name): Kelly Brown	**Fax:**
Telephone: 952-831-3341	**Email Address:** kbrown@peerengineering.com
Project Name/Number: Scherer	
Please Provide Results: Email	**Purchase Order:** **State Samples Taken:** MN

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☒ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hours/6 hours, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT (AHERA only)**
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: Kelly Brown **Samplers Signature:** Kelly W Brown

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1A-C	stucco - exterior south		6-17-11
2	conc block		
3	SR		
4	door calk - interior south		
5	" " north 20f		
6	" " exterior south 20f		
7	Roof shingles/transparency		

Client Sample # (s): 1A - 7 **Total # of Samples:** 9 bags

Relinquished (Client): Kelly W Brown **Date:** 6-19-11 **Time:**

Received (Lab): CRother Connie **Date:** 6-20-11 **Time:** 10:45 am

Comments/Special Instructions: Bldg 5

APPENDIX M

ASBESTOS SUMMARY TABLE - Scherer Brothers Lumber, Building 6, Minneapolis, MN					
SAMPLE REFERENCE NUMBER	SUSPECT MATERIAL	LOCATION	% ASBESTOS ANALYTICAL RESULTS	FRIABLE OR/NON-FRIABLE	QUANTITY
1A-C	Fiberglass duct insulation	Mechanical room	ND	NA	NA
2A-C	Fiberglass pipe insulation	Interior	ND	NA	NA
3	Tan countertop material	Women's restroom	ND	NA	NA
4	Green countertop material	Lunchroom	ND	NA	NA
5	Off-white countertop material	Men's restroom	ND	NA	NA
6	Gray countertop material	Office	ND	NA	NA
7	Maroon vinyl baseboard and black and yellow mastics	Office, lunchroom, and locker room	ND	NA	NA
8	4" white ceramic wall tile and yellow mastic	Restrooms	ND	NA	NA
9	Concrete block with foam ball insulation	Interior around rooms in SEC	ND	NA	NA
10	Gray sink undercoat	Lunchroom	ND	NA	NA
11	Fiberglass ceiling insulation	Lunchroom	ND	NA	NA
12	Drywall composite	Office	ND	NA	NA
13	Carpet mastic	Office	ND	NA	NA
14	Tan door caulk	Interior	ND	NA	NA
15	6" brown ceramic floor tile	Restrooms	ND	NA	NA
16	**1 x 1' tan marble floor tile and black mastic**	**Lunchroom and locker room**	**ND (tile) 10% (mastic)**	**Category I non-friable**	**630 SF**
17	2' x 2' pinhole/divot ceiling tile	Women's restroom	ND	NA	NA
18	2' x 2' pinhole/fissure ceiling tile	Lunchroom and locker room	ND	NA	NA
19	2' x 2' chicken scratch ceiling tile	Men's restroom	ND	NA	NA
20	2' x 2' pinhole/fissure ceiling tile	Office	ND	NA	NA
21	Gray door caulk	Exterior - east	ND	NA	NA
22	Tan wall caulk	Exterior	ND	NA	NA
23	Decorative concrete	Exterior - east	ND	NA	NA
24	Gray wall caulk on overhang	Exterior - east (NEC)	ND	NA	NA
25	Roof deck material on overhang	Exterior - east (NEC)	ND	NA	NA

ND - Not detected at or above the laboratory detection limits.
SF - Square Feet.
LF - Linear Feet.

ASBESTOS SUMMARY TABLE - Scherer Brothers Lumber, Building 6, Minneapolis, MN					
SAMPLE REFERENCE NUMBER	SUSPECT MATERIAL	LOCATION	% ASBESTOS ANALYTICAL RESULTS	FRIABLE OR/NON-FRIABLE	QUANTITY
26	**Roof flashing material**	**Exterior**	**ND (black fibrous layer) 3% (silver layer)**	**Category I non-friable**	**1,350 LF**
27	Roof deck tar	Exterior	ND	NA	NA
28	Roof deck fiberboard	Exterior	ND	NA	NA
29	Black fibrous roof flashing material	Exterior	<1%	NA	NA
30	Gray wall caulk on overhang	Exterior - roof	ND	NA	NA
31	Black wall caulk	Exterior - roof	ND	NA	NA
	Metal-clad fire door	**Mechanical room**	**Assumed**		**1 EA**

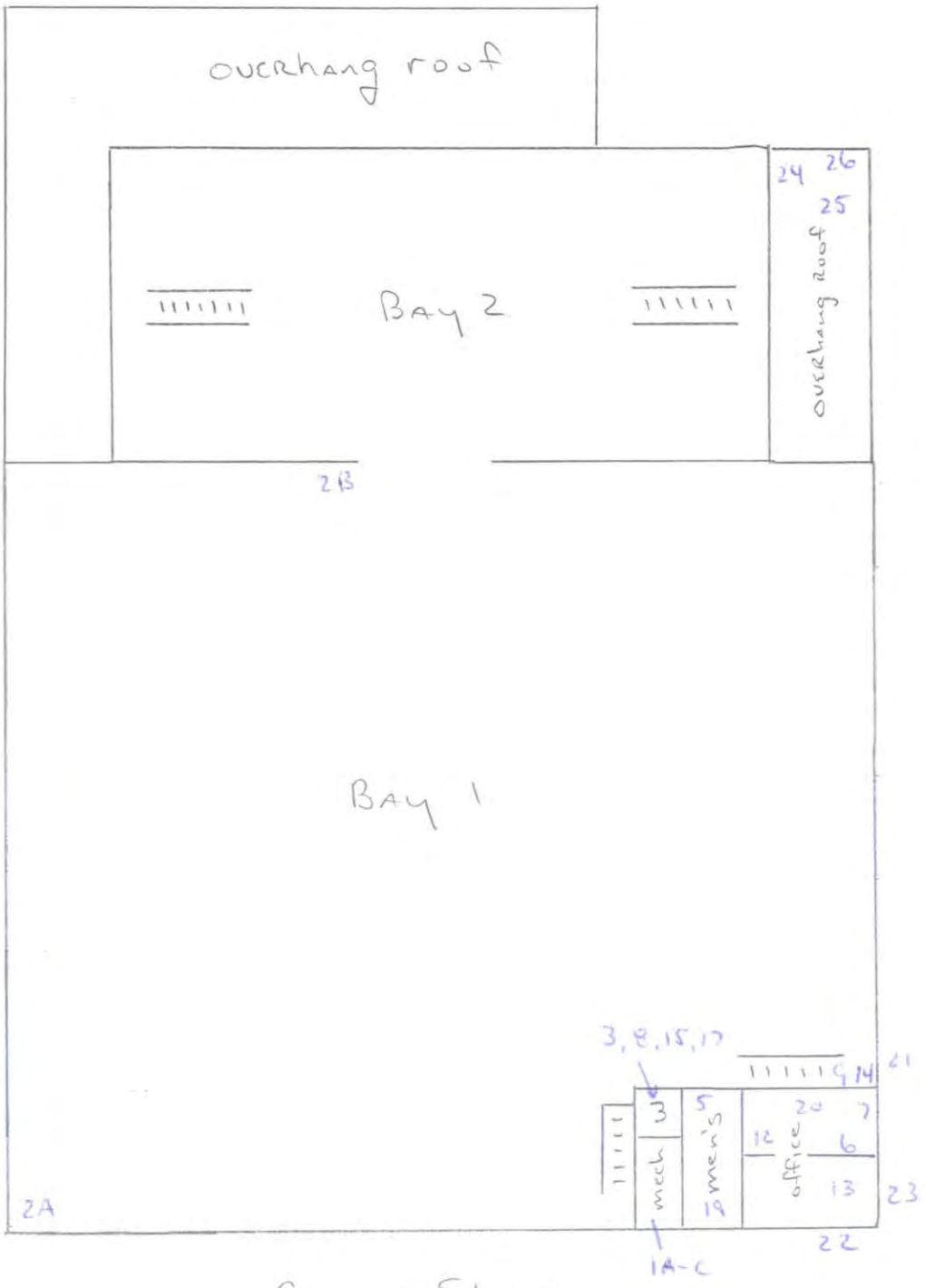
ND - Not detected at or above the laboratory detection limits.
SF - Square Feet.
LF - Linear Feet.

Peer Engineering
7615 Golden Triangle Dr., Suite N
Eden Prairie, MN 55344
(952) 831-3341 • Fax (952) 831-4552

Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers - Building 6

By NOT TO SCALE Date _____



Ground Floor

Peer Engineering
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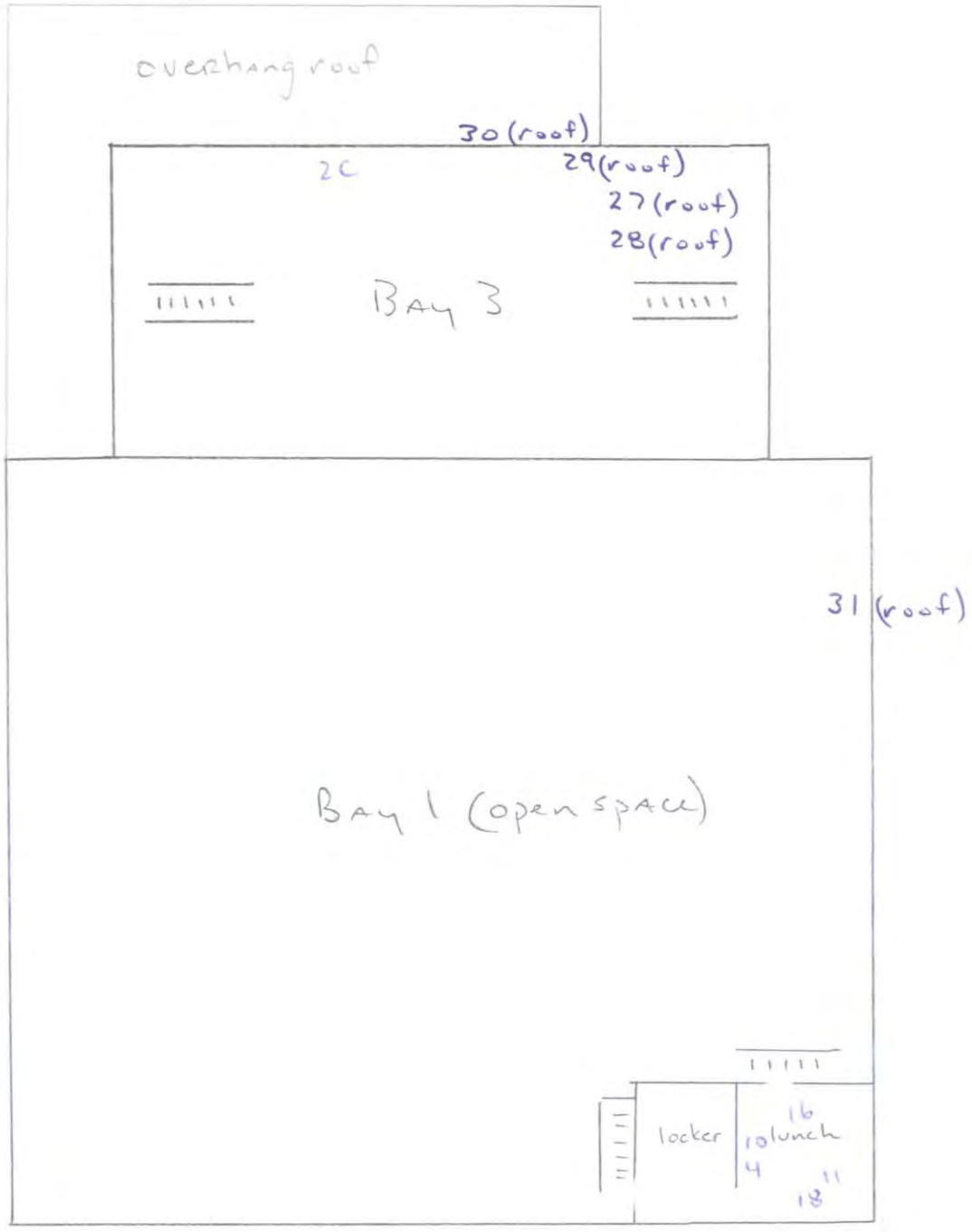
(952) 831-3341 • Fax (952) 831-4552

Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers - Building 6

By NOT TO SCALE Date _____



APPENDIX N

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer Bldg 6**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:50 AM
EMSL Order: 351103477

EMSL Proj:
Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
1A-Black Layer *351103477-0001*	F6 Duct-mechanical Room	Black Non-Fibrous Homogeneous	15%	Glass	85%	Non-fibrous (other)	**None Detected**
1A-Yellow Layer *351103477-0001A*	F6 Duct-mechanical Room	Yellow Fibrous Homogeneous	100%	Min. Wool	0%	Non-fibrous (other)	**None Detected**
1B-Black Layer *351103477-0002*	F6 Duct-mechanical Room	Black/Silver Non-Fibrous Homogeneous	15%	Glass	85%	Non-fibrous (other)	**None Detected**
1B-Yellow Layer *351103477-0002A*	F6 Duct-mechanical Room	Yellow Fibrous Homogeneous	100%	Min. Wool	0%	Non-fibrous (other)	**None Detected**
1C-Black Layer *351103477-0003*	F6 Duct-mechanical Room	Black/Silver Non-Fibrous Homogeneous	15%	Glass	85%	Non-fibrous (other)	**None Detected**
1C-Yellow Layer *351103477-0003A*	F6 Duct-mechanical Room	Yellow Fibrous Homogeneous	100%	Min. Wool	0%	Non-fibrous (other)	**None Detected**

Initial report from 06/22/2011 17:10:05

Analyst(s)

Heidi Johnson (44)

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

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Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer Bldg 6**

Customer ID: PEER50
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Received: 06/20/11 10:50 AM
EMSL Order: 351103477

EMSL Proj:
Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
2A-Wrap *351103477-0004*	F6 TSI-Room 1 SWC	Tan/White/Silver Non-Fibrous Homogeneous	75% 15%	Cellulose Glass	10% Non-fibrous (other)	**None Detected**
2A-Insulation *351103477-0004A*	F6 TSI-Room 1 SWC	Yellow Fibrous Homogeneous	100%	Min. Wool	0% Non-fibrous (other)	**None Detected**
2B-Wrap *351103477-0005*	F6 TSI-Room 1 North	Tan/White/Silver Fibrous Homogeneous	65% 15%	Cellulose Glass	20% Non-fibrous (other)	**None Detected**
2B-Insulation *351103477-0005A*	F6 TSI-Room 1 North	Yellow Fibrous Homogeneous	100%	Min. Wool	0% Non-fibrous (other)	**None Detected**
2C-Wrap *351103477-0006*	F6 TSI-Room 3	Tan/White/Silver Fibrous Homogeneous	65% 15%	Cellulose Glass	20% Non-fibrous (other)	**None Detected**
2C-Insulation *351103477-0006A*	F6 TSI-Room 3	Yellow Fibrous Homogeneous	100%	Min. Wool	0% Non-fibrous (other)	**None Detected**

Initial report from 06/22/2011 17:10:05

Analyst(s)

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Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
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Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
3 *351103477-0007*	tan countertop-women's	Tan Fibrous Heterogeneous	65%	Cellulose	35%	Non-fibrous (other)	**None Detected**
4 *351103477-0008*	green countertop-lunchroom	Tan/Green Fibrous Heterogeneous	65%	Cellulose	35%	Non-fibrous (other)	**None Detected**
5 *351103477-0009*	off white countertop-men's	Tan/Cream Fibrous Heterogeneous	65%	Cellulose	35%	Non-fibrous (other)	**None Detected**
6 *351103477-0010*	gray countertop-office	Gray/Tan Fibrous Heterogeneous	65%	Cellulose	35%	Non-fibrous (other)	**None Detected**
7-Baseboard *351103477-0011*	maroon BB-office	Red Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
7-Yellow Mastic *351103477-0011A*	maroon BB-office	Yellow Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

Initial report from 06/22/2011 17:10:05

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Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
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EMSL Order: 351103477

EMSL Proj:
Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
7-Black Mastic *351103477-0011B*	maroon BB-office	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
8-Ceramic Tile *351103477-0012*	4" white ceramic wall tile-women's	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
8-Mastic *351103477-0012A*	4" white ceramic wall tile-women's	Yellow Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
9-White Layer *351103477-0013*	cone block & foam bull files-by office	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
9-Gray Layer *351103477-0013A*	cone block & foam bull files-by office	Gray Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
10 *351103477-0014*	gray sink-lunch	Gray Non-Fibrous Homogeneous	15%	Cellulose	85% Non-fibrous (other)	**None Detected**

Initial report from 06/22/2011 17:10:05

Analyst(s)

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			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
11 *351103477-0015*	F6 ceiling insulation-lunch	Tan/Black/Yellow Fibrous Homogeneous	45% 50%	Cellulose Min. Wool	5% Non-fibrous (other)	**None Detected**
12 *351103477-0016*	SR comp-office	Tan/White Non-Fibrous Heterogeneous	40% 40%	Cellulose Min. Wool	10% Non-fibrous (other) 10% Perlite	**None Detected**
			Sheetrock/Joint Compound			
13 *351103477-0017*	carpet matic-office (1/2 area)	Tan Non-Fibrous Homogeneous	3%	Cellulose	97% Non-fibrous (other)	**None Detected**
14 *351103477-0018*	Door caulk-office interior 20Lf	Cream Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
15 *351103477-0019*	6" brown ceramic FT-women's	Tan Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
16-Floor Tile *351103477-0020*	1x1 tan marble FT-lunch	Beige Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**

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			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
16-Mastic *351103477-0020A*	1x1 tan marble FT-lunch	Black Non-Fibrous Homogeneous			90% Non-fibrous (other)	**10% Chrysotile**
17 *351103477-0021*	2x2 pld CT-women's	Gray/White Fibrous Homogeneous	40% 40%	Cellulose Min. Wool	10% Non-fibrous (other) 10% Perlite	**None Detected**
18 *351103477-0022*	2x2 plf CT-lunch	Gray/White Fibrous Homogeneous	40% 40%	Cellulose Min. Wool	10% Non-fibrous (other) 10% Perlite	**None Detected**
19 *351103477-0023*	2x2 CS CT-men's	Gray/White Fibrous Homogeneous	40% 40%	Cellulose Min. Wool	10% Non-fibrous (other) 10% Perlite	**None Detected**
20 *351103477-0024*	2x2 plf CT-office	Gray/White Fibrous Homogeneous	40% 40%	Cellulose Min. Wool	10% Non-fibrous (other) 10% Perlite	**None Detected**
21 *351103477-0025*	Door caulk-Exterior East	Gray Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**

Initial report from 06/22/2011 17:10:05

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
22 *351103477-0026*	Wall caulk-Exterior NEC + SEC 50Lf	Cream Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
23 *351103477-0027*	decorative concrete-Exterior East	Gray Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
24 *351103477-0028*	Wall culk on overhang-Exterior East side (NEC) 45	Gray Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
25-Black Layer *351103477-0029*	overhang roof deck-Exterior East Side (NEC) 45x12	Black Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
25-Fibrous Layer *351103477-0029A*	overhang roof deck-Exterior East Side (NEC) 45x12	Tan Fibrous Homogeneous	95%	Cellulose	5% Non-fibrous (other)	**None Detected**
26-Tar Layer *351103477-0030*	overhang roof flashing-Exterior East Side (NEC)	Black Non-Fibrous Homogeneous	10%	Glass	90% Non-fibrous (other)	**None Detected**

Initial report from 06/22/2011 17:10:05

Analyst(s)

Heidi Johnson (44)

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer Bldg 6**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:50 AM
EMSL Order: 351103477

EMSL Proj:
Analysis Date: 6/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
26-Fibrous Black Layer *351103477-0030A*	overhang roof flashing-Exterior East Side (NEC)	Black Fibrous Heterogeneous	35%	Cellulose	65% Non-fibrous (other)	**None Detected**
26-Silver layer *351103477-0030B*	overhang roof flashing-Exterior East Side (NEC)	Silver Non-Fibrous Homogeneous			97% Non-fibrous (other)	**3% Chrysotile**

Initial report from 06/22/2011 17:10:05

Analyst(s)

Heidi Johnson (44)

Rachel Travis, Laboratory Manager
or other approved signatory

THIS IS THE LAST PAGE OF THE REPORT.

Asbestos Lab Services Chain of Custody

EMSL ANALYTICAL, INC.

EMSL Order Number *(Lab Use Only):* 3477

Minneapolis, MN
14375 23rd Avenue North
Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Company: Peer Engineering

Street: 7615 Golden Triangle Drive Suite N

City/State/Zip: Eden Prairie, MN 55447

Report To (Name): Kelly Brown

Telephone: 952-831-3341

EMSL-Bill to: ☑ Same ☐ Different
If Bill to is Different note instructions in Comments**
Third Party Billing requires written authorization from third party

Fax:

Email Address: kbrown@peerengineering.com

Project Name/Number: Scherer

Please Provide Results: Email

Purchase Order:

State Samples Taken: MN

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☒ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hours/6 hours, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT (AHERA only)**
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: Kelly Brown **Samplers Signature:** Kelly Brown

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1A-C	FG duct - mech room		6-17-11
2A	FG TSI - room 1 SWC		
2B	" room 1 NW		
2C	" Room 3		
3	tan countertop - women's		
4	green countertop - lunchroom		
5	off white countertop - men's		
6	gray countertop - office		

Client Sample # (s): 1A-26 **Total # of Samples:** 30 bags

Relinquished (Client): Kelly Brown **Date:** 6-19-11 **Time:**

Received (Lab): Crother Courier **Date:** 6-20-11 **Time:** 10:50 am

Comments/Special Instructions: Bldg 6

Asbestos Lab Services Chain of Custody

EMSL Order Number *(Lab Use Only)*: 3477

EMSL ANALYTICAL, INC.
Minneapolis, MN
14375 23rd Avenue North
Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
7	maroon BB - office		
8	4" white ceramic wall tile - women's		
9	conc block + foam behind tiles - by office		
10	gray sink - lunch		
11	FG ceiling insul - lunch		
12	SR comp - office		
13	Carpet mastic - office (1/2 area)		
14	Door caulk - office, interior	20 LF	
15	6" brown ceramic FT - women's		
16	1x1 tan marble FT - lunch		
17	2x2 p/d CT - women's		
18	2x2 p/f CT - lunch		
19	2x2 cs CT - men's		
20	2x2 p/f CT - office		
21	Door caulk - exterior east		
22	wall caulk - exterior NE+SE	50 LF	

Comments/Special Instructions: Bldg 6

Asbestos Lab Services Chain of Custody

EMSL Order Number *(Lab Use Only):* 3477

EMSL ANALYTICAL, INC.
Minneapolis, MN
14375 23rd Avenue North
Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
23	deconstruct concrete - exterior wall		
24	wall caulk on overhang - exterior	East side (NSE)	45 LF
25	overhang roof deck - exterior	East side (NEC)	45x12
26	" / " Flashing "	"	

Comments/Special Instructions:

Bldg 6

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Ryan Spencer**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer/20074**

Customer ID: PEER50
Customer PO:
Received: 06/24/11 4:00 PM
EMSL Order: 351103638

EMSL Proj:
Analysis Date: 6/28/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
27 *351103638-0001*	Black roof deck tar	Black Fibrous Heterogeneous	35%	Cellulose	65%	Non-fibrous (other)	**None Detected**
28-Brown Layer *351103638-0002*	Black roof paper	Brown Fibrous Heterogeneous	90%	Cellulose	10%	Non-fibrous (other)	**None Detected**
28-Black Layer *351103638-0002A*	Black roof paper	Black Fibrous Heterogeneous	40%	Cellulose	60%	Non-fibrous (other)	**None Detected**
29 *351103638-0003*	Gray roof Flashing	Black Fibrous Heterogeneous	10% 5%	Glass Cellulose	85%	Non-fibrous (other)	**<1% Chrysotile**
30 *351103638-0004*	Gray wall caulk	Gray Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
31 *351103638-0005*	Black wall caulk	Brown/Black Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**

Initial report from 06/29/2011 08:16:57

Analyst(s)
Kaitlyn Kubokawa (6)

Rachel Travis, Laboratory Manager
or other approved signatory

THIS IS THE LAST PAGE OF THE REPORT.

Asbestos Lab Services Chain of Custody

EMSL ANALYTICAL, INC.

EMSL Order Number *(Lab Use Only):* 36038

Minneapolis, MN
14375 23rd Avenue North
Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Company: Peer Engineering	**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 7615 Golden Triangle Dr. Suite N	
City/State/Zip: Eden Prairie, MN 55344	
Report To (Name): Ryan Spencer	**Fax:** 952-831-4552
Telephone: 952-831-3341	**Email Address:** rspencer@peerengineering.com
Project Name/Number: Scherer / 20074	
Please Provide Results: Email	**Purchase Order:** **State Samples Taken:** MN

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☒ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hours/6 hours, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT (AHERA only)**
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: Ryan Spencer **Samplers Signature:** Ryan Spencer

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
27	Black roof deck tar		6-24-11
28	Black roof paper		↓
29	Gray roof Flashing		↓
30	Gray wall caulk		↓
31	Black wall caulk		↓

Client Sample # (s): - **Total # of Samples:**

Relinquished (Client): Ryan Spencer **Date:** 6-24-11 **Time:** 3:00

Received (Lab): Kelly Smelter **Date:** 6/24/11 **Time:** 4 pm courier

Comments/Special Instructions:

APPENDIX O

ASBESTOS SUMMARY TABLE - Scherer Brothers Lumber, Building 9, Minneapolis, MN					
SAMPLE REFERENCE NUMBER	SUSPECT MATERIAL	LOCATION	% ASBESTOS ANALYTICAL RESULTS	FRIABLE OR NON-FRIABLE	QUANTITY
1	Remnant black floor tar	Interior - north	ND	NA	NA
2A-C	Fiberglass pipe insulation	Interior	ND	NA	NA
3	Drywall	Office	ND	NA	NA
4	Gray countertop material	Office	ND	NA	NA
5	White wall caulk	Exterior - west (NWC)	ND	NA	NA
6	Gray wall expansion caulk	Exterior - east (NEC)	ND	NA	NA
7A-B	Tan door caulk	Exterior	ND	NA	NA
8	Concrete block	Interior and exterior	ND	NA	NA
9	Roof deck material (tar, tarpaper and fiberboard)	Roof	ND	NA	NA
10	Roof flashing (tar, trapaper and fiberboard)	Roof	ND	NA	NA
	Metal-clad fire doors	**Interior**	**Assumed**		**5 EA**

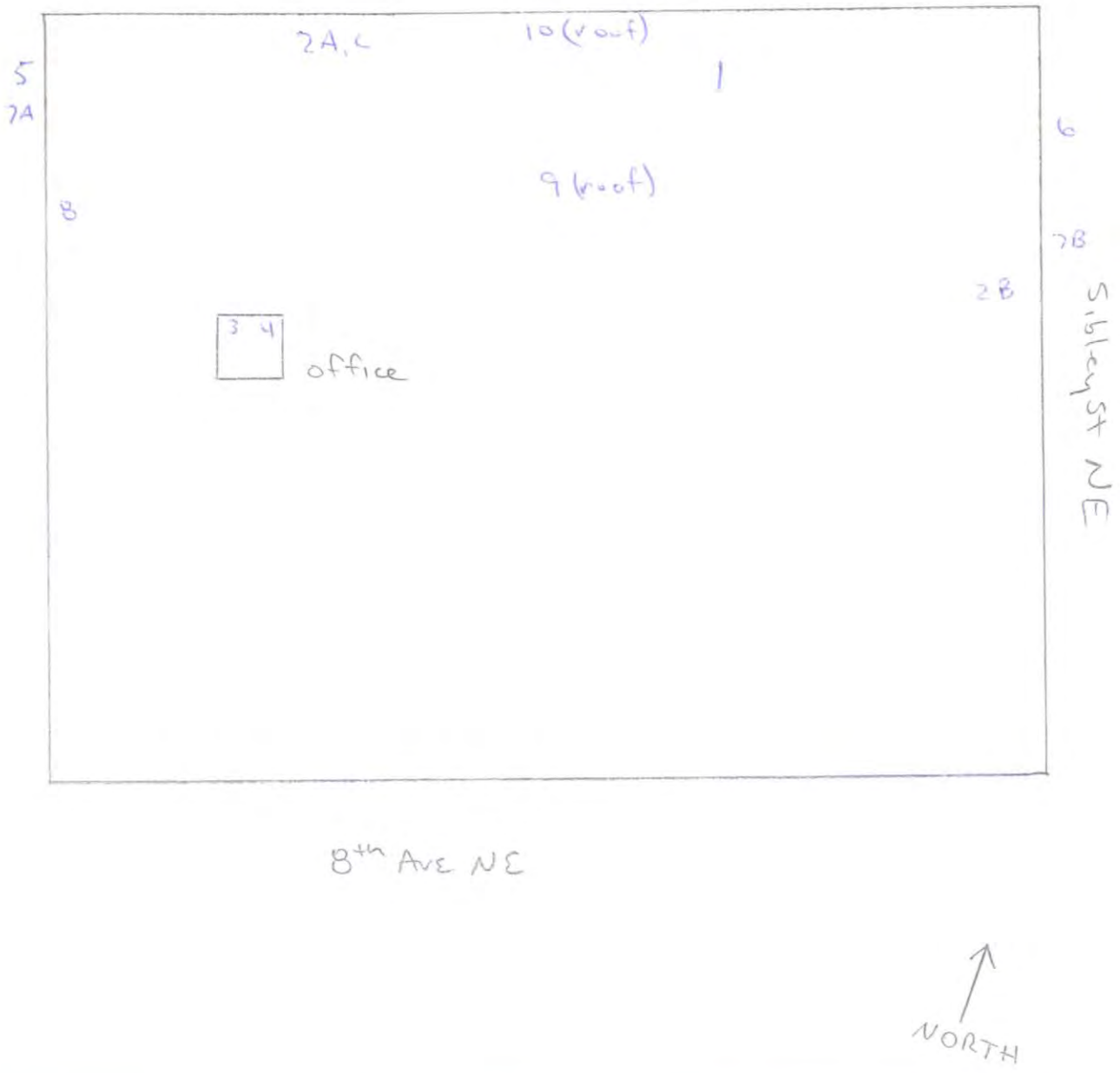
ND - Not detected at or above the laboratory detection limits.
SF - Square Feet.
LF - Linear Feet.

Peer Engineering
7615 Golden Triangle Dr., Suite N
Eden Prairie, MN 55344
(952) 831-3341 • Fax (952) 831-4552

Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers - Building 9

By NOT TO SCALE Date _____



APPENDIX P

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer Bldg 9**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:50 AM
EMSL Order: 351103465

EMSL Proj:
Analysis Date: 6/21/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
1 *351103465-0001*	Floor tar	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
2A *351103465-0002*	F6 TSI	White/Yellow Fibrous Homogeneous	85% 10%	Min. Wool Cellulose	5% Non-fibrous (other)	**None Detected**
2B *351103465-0003*	F6 TSI	White/Yellow Fibrous Heterogeneous	10% 85%	Cellulose Min. Wool	5% Non-fibrous (other)	**None Detected**
2C *351103465-0004*	F6 TSI	White/Yellow Fibrous Heterogeneous	10% 85%	Cellulose Min. Wool	5% Non-fibrous (other)	**None Detected**
3 *351103465-0005*	SR - office	Tan/White Non-Fibrous Homogeneous	10%	Cellulose	90% Non-fibrous (other)	**None Detected**
4 *351103465-0006*	gray contact p 15 - office	Gray Fibrous Heterogeneous	75%	Cellulose	25% Non-fibrous (other)	**None Detected**

Initial report from 06/21/2011 16:20:18

Analyst(s)

Heidi Johnson (15)

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer Bldg 9**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:50 AM
EMSL Order: 351103465

EMSL Proj:
Analysis Date: 6/21/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
5 *351103465-0007*	Exterior West - wall caulk	White Non-Fibrous Homogeneous	10%	Synthetic	90%	Non-fibrous (other)	**None Detected**
6 *351103465-0008*	Exterior East - NEC expansion caulk	Gray/White Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
7A *351103465-0009*	Exterior West - Door caulk	Tan Non-Fibrous Homogeneous	10%	Synthetic	90%	Non-fibrous (other)	**None Detected**
7B *351103465-0010*	Exterior East - Door caulk	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
8 *351103465-0011*	cone block	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
9-Black Layer *351103465-0012*	Roof Deck	Black Non-Fibrous Homogeneous	15%	Glass	85%	Non-fibrous (other)	**None Detected**

Initial report from 06/21/2011 16:20:18

Analyst(s)

Heidi Johnson (15)

Rachel Travis, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Kelly Brown**
Peer Engineering
7615 Golden Triangle Drive
Suite N
Eden Prairie, MN 55344

Fax: (952) 831-4552 Phone: (952) 831-3341
Project: **Scherer Bldg 9**

Customer ID: PEER50
Customer PO:
Received: 06/20/11 10:50 AM
EMSL Order: 351103465

EMSL Proj:
Analysis Date: 6/21/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
9-Fibrous Layer *351103465-0012A*	Roof Deck	Brown Fibrous Homogeneous	85%	Cellulose	15% Non-fibrous (other)	**None Detected**
10-Grey Layer *351103465-0013*	Roof flashing	Gray/Black Non-Fibrous Homogeneous	35%	Cellulose	65% Non-fibrous (other)	**None Detected**
10-Tar Layer *351103465-0013A*	Roof flashing	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**

Initial report from 06/21/2011 16:20:18

Analyst(s)

Heidi Johnson (15)

Rachel Travis, Laboratory Manager
or other approved signatory

THIS IS THE LAST PAGE OF THE REPORT.

Asbestos Lab Services Chain of Custody

EMSL ANALYTICAL, INC.

EMSL Order Number *(Lab Use Only):* 3465

Minneapolis, MN
14375 23rd Avenue North
Minneapolis, MN 55447
PHONE: (763) 449-4922
FAX: (763) 449-4924

Company: Peer Engineering	**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 7615 Golden Triangle Drive Suite N	
City/State/Zip: Eden Prairie, MN 55447	
Report To (Name): Kelly Brown	**Fax:**
Telephone: 952-831-3341	**Email Address:** kbrown@peerengineering.com
Project Name/Number: Scherer	
Please Provide Results: Email	**Purchase Order:** / **State Samples Taken:** MN

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☒ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hours/6 hours, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT (AHERA only)**
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: Kelly Brown **Samplers Signature:** Kelly Brown

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1	Floor tan 500¢		6-15-11
2A-C	FG TSI		
3	SR - office		
4	Gray carpet 15¢ - office		
5	Exterior west - wall caulk		
6	Exterior East - NEC expansion caulk		
7A	Exterior west - door caulk		
7B	" East - door caulk		

Client Sample # (s): 1-10 **Total # of Samples:** 13 bags

Relinquished (Client): Kelly Brown **Date:** 6-19-11 **Time:**

Received (Lab): Rother Connie **Date:** 6-20-11 **Time:** 10:50am

Comments/Special Instructions: Bldg 9

Asbestos Lab Services Chain of Custody

EMSL ANALYTICAL, INC.

EMSL Order Number *(Lab Use Only):* 3465

Corporate -
Westmont/Cinnaminson, NJ
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
8	conc block		
9	Roof Deck		
10	Roof flashing		

Comments/Special Instructions: Bldg 9

APPENDIX Q

Reading No	Time	Type	Duration	Units	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Misc 1	Misc 2	Results	Depth Index	Action Level	PbC	PbC Error	PbL	PbL Error	PbK	PbK Error
1	6/20/2011 7:18	SHUTTER_CAL	58.39	cps														5.63	0	1.08	0	0	0
2	6/20/2011 7:19	Calibration to 1.0	8.61	mg / cm ^2											Positive	1.18	1	1.1	0.1	1.1	0.1	0.8	0.5
3	6/20/2011 7:19	Calibration to 1.0	6.96	mg / cm ^2											Negative	1.09	1	0.9	0.1	0.9	0.1	0.8	0.5
4	6/20/2011 7:20	Calibration to 1.0	6.45	mg / cm ^2											Negative	1.05	1	0.9	0.1	0.9	0.1	1	0.6
5	6/20/2011 7:24	PAINT	3.77	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	1B	1	Vault			Negative	1	1	0	0.02	0	0.02	0.4	0.9
6	6/20/2011 7:24	PAINT	3.74	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1B	1	Vault			Negative	2.87	1	0.01	0.02	0.01	0.02	0.5	0.9
7	6/20/2011 7:24	PAINT	4.29	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	1B	1	Vault			Positive	2.65	1	2.1	1	1.2	0.2	2.1	1
8	6/20/2011 7:25	PAINT	3.74	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	1B	1	Vault			Negative	1	1	0	0.02	0	0.02	0.4	0.9
9	6/20/2011 7:25	PAINT	3.23	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	1B	1	Vault			Negative	1	1	0	0.02	0	0.02	0.11	1.52
10	6/20/2011 7:27	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	1B	1	Vault			Negative	1	1	0	0.02	0	0.02	0.3	0.93
11	6/20/2011 7:28	PAINT	2.14	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1B	1	Behind communications			Negative	1.07	1	0	0.02	0	0.02	< LOD	0
12	6/20/2011 7:31	PAINT	3.22	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	1B	1	West electrical room			Negative	3.84	1	0.01	0.05	0.01	0.05	0.19	1.48
13	6/20/2011 7:34	PAINT	3.78	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	1B	1	Storage 1			Negative	1	1	0	0.02	0	0.02	0.7	0.9
14	6/20/2011 7:34	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1B	1	Storage 1			Negative	1	1	0	0.02	0	0.02	0.5	0.8
15	6/20/2011 7:34	PAINT	3.23	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	1B	1	Storage 1			Negative	1.94	1	0	0.02	0	0.02	0.18	1.38
16	6/20/2011 7:35	PAINT	2.15	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	1B	1	Storage 1			Negative	3.84	1	0.01	0.06	0.01	0.06	0.06	1.61
17	6/20/2011 7:36	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	1B	1	Storage 2			Negative	1	1	0	0.02	0	0.02	0.8	0.8
18	6/20/2011 7:37	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	1B	1	Mechanical			Negative	1	1	0	0.02	0	0.02	0.6	0.9
19	6/20/2011 7:39	PAINT	3.24	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	1B	1	West stairwell			Negative	1	1	0	0.02	0	0.02	0.12	1.52
20	6/20/2011 7:39	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	1B	1	Storage 3			Negative	1	1	0	0.02	0	0.02	0.5	0.9
21	6/20/2011 7:40	PAINT	4.28	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	1B	1	Storage 3			Negative	6.62	1	0.04	0.07	0.04	0.07	0.4	0.9
22	6/20/2011 7:41	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	1B	1	West Drive Thru			Negative	1	1	0	0.02	0	0.02	0.7	0.9
23	6/20/2011 7:41	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1B	1	West Drive Thru			Negative	1.41	1	0.02	0.02	0.02	0.02	0.28	0.9
24	6/20/2011 7:42	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	1B	1	West Drive Thru			Negative	1	1	0.01	0.02	0.01	0.02	0.28	0.95
25	6/20/2011 7:42	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	1B	1	West Drive Thru			Negative	1.72	1	0.01	0.02	0.01	0.02	0.4	0.9
26	**6/20/2011 7:43**	**PAINT**	**1.07**	**mg / cm ^2**	**WALL**	**WOOD**	**A**	**FAIR**	**WHITE**	**1B**	**1**	**South Drive Thru**		**2000 SF**	**Positive**	**2.33**	**1**	**2.9**	**1.5**	**2.9**	**1.5**	**3**	**3.5**
27	**6/20/2011 7:44**	**PAINT**	**1.07**	**mg / cm ^2**	**WALL**	**WOOD**	**A**	**FAIR**	**WHITE**	**1B**	**1**	**South Drive Thru**		**2000 SF**	**Positive**	**2.97**	**1**	**2.7**	**1.7**	**2.7**	**1.7**	**2.5**	**3.3**
28	6/20/2011 7:45	PAINT	1.07	mg / cm ^2	WALL	WOOD	D	FAIR	WHITE	1B	1	East Drive Thru			Negative	1	1	0.01	0.04	0.01	0.04	0.5	2.2
29	6/20/2011 7:45	PAINT	1.07	mg / cm ^2	WALL	WOOD	D	FAIR	WHITE	1B	1	East Drive Thru			Negative	1	1	0	0.02	0	0.02	0.05	1.78
30	6/20/2011 7:46	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1B	1	East Drive Thru			Negative	1.58	1	0.02	0.02	0.02	0.02	0.6	0.9
31	6/20/2011 7:47	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	1B	1	South Drive Thru			Negative	2.83	1	0.02	0.03	0.02	0.03	0.3	0.91
32	6/20/2011 7:47	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	1B	1	South Drive Thru			Negative	3.83	1	0.01	0.02	0.01	0.02	0.7	0.9
33	6/20/2011 7:49	PAINT	3.75	mg / cm ^2	FLOOR	CONCRETE		FAIR	YELLOW	1B	1	South Drive Thru	Stripe		Negative	1	1	0	0.02	0	0.02	0.7	0.9
34	6/20/2011 7:50	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	1B	1	South Drive Thru			Negative	1.76	1	0	0.02	0	0.02	0.5	0.8
35	6/20/2011 7:51	PAINT	3.77	mg / cm ^2	FLOOR	CONCRETE		INTACT	YELLOW	1B	1	West Drive Thru	Stripe		Negative	1	1	0	0.02	0	0.02	0.4	0.9
36	6/20/2011 7:53	PAINT	3.74	mg / cm ^2	FLOOR	CONCRETE		INTACT	YELLOW	1B	1	East Drive Thru	Stripe		Negative	1.92	1	0.01	0.02	0.01	0.02	0.4	1
37	6/20/2011 7:55	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	1C	1	Open area			Negative	1	1	0	0.02	0	0.02	0.4	0.9
38	6/20/2011 7:55	PAINT	3.22	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1C	1	Open area			Negative	1.15	1	0	0.02	0	0.02	0.3	1.39
39	6/20/2011 7:56	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1C	1	Open area			Negative	1.74	1	0	0.02	0	0.02	0.4	0.9
40	6/20/2011 7:56	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	1C	1	Open area			Negative	1.19	1	0	0.02	0	0.02	0.4	0.9
41	6/20/2011 7:57	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	D	FAIR	WHITE	1C	1	Open area			Negative	6.59	1	0.03	0.06	0.03	0.06	< LOD	0
42	6/20/2011 7:58	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	D	FAIR	WHITE	1C	1	Open area			Negative	1	1	0	0.02	0	0.02	0.6	0.9
43	6/20/2011 7:59	PAINT	4.28	mg / cm ^2	WALL	CONCRETE	A	INTACT	GREEN	1C	1	Open area			Negative	2.04	1	0	0.02	0	0.02	0.8	0.8
44	6/20/2011 8:00	PAINT	4.81	mg / cm ^2	WALL	CONCRETE	B	POOR	WHITE	1C	1	Open area bay			Negative	2.97	1	0.5	0.1	0.5	0.1	0.8	0.8
45	6/20/2011 8:01	PAINT	6.98	mg / cm ^2	WALL	CONCRETE	C	POOR	WHITE	1C	1	Open area bay			Negative	6.63	1	0.05	0.06	0.05	0.06	1	0.7
46	6/20/2011 8:01	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	D	POOR	WHITE	1C	1	Open area bay			Negative	2.71	1	0.01	0.02	0.01	0.02	0.7	0.9
47	6/20/2011 8:03	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	1C	1	South loading dock			Negative	1	1	0	0.02	0	0.02	0.4	0.9
48	**6/20/2011 8:04**	**PAINT**	**1.6**	**mg / cm ^2**	**WALL**	**WOOD**	**B**	**FAIR**	**WHITE**	**1C**	**1**	**South loading dock**		**60 SF**	**Positive**	**4.38**	**1**	**3.1**	**1.4**	**3.1**	**1.4**	**3.5**	**2.3**
49	6/20/2011 8:05	PAINT	1.07	mg / cm ^2	DOOR	METAL	D	POOR	WHITE	1C	1	South loading dock	Overhead door		Negative	1	1	0	0.03	0	0.03	0.3	1.88
50	6/20/2011 8:06	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	A	FAIR	WHITE	1C	1	Wood shop			Negative	1	1	0	0.02	0	0.02	0.4	0.9
51	6/20/2011 8:06	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1C	1	Wood shop			Negative	1	1	0	0.02	0	0.02	0.4	0.9
52	6/20/2011 8:07	PAINT	3.74	mg / cm ^2	WALL	CONCRETE	C	POOR	WHITE	1C	1	Wood shop			Negative	2.4	1	0	0.02	0	0.02	0.8	0.9
53	6/20/2011 8:07	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	D	POOR	WHITE	1C	1	Wood shop			Negative	1	1	0	0.02	0	0.02	0.6	0.9
54	6/20/2011 8:08	PAINT	1.08	mg / cm ^2	DOOR	METAL	A	POOR	WHITE	1C	1	Wood shop	Overhead door		Negative	1	1	0	0.03	0	0.03	< LOD	0
55	**6/20/2011 8:09**	**PAINT**	**0.53**	**mg / cm ^2**	**FLOOR**	**CONCRETE**		**FAIR**	**YELLOW**	**1C**	**1**	**Wood shop**	**Stripe**	**75 LF**	**Positive**	**1.45**	**1**	**4.5**	**2.5**	**4.5**	**2.5**	**6.1**	**9.2**
56	6/20/2011 8:11	PAINT	2.67	mg / cm ^2	WALL	CONCRETE	C	INTACT	YELLOW	1C	1	Wood shop	East door		Negative	1.42	1	0	0.02	0	0.02	0.03	1.62
57	6/20/2011 8:12	PAINT	3.22	mg / cm ^2	FLOOR	CONCRETE		INTACT	YELLOW	1C	1	Open area	Stripe		Negative	1	1	0	0.02	0	0.02	0.15	1.46
58	6/20/2011 8:13	PAINT	3.76	mg / cm ^2	FLOOR	CONCRETE		INTACT	YELLOW	1C	1	Open area	Stripe		Negative	3.68	1	0.01	0.03	0.01	0.03	0.7	1
59	6/20/2011 8:14	PAINT	2.67	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	1C	1	North loading dock			Negative	1	1	0	0.02	0	0.02	0.07	1.61
60	6/20/2011 8:15	PAINT	2.67	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1C	1	North loading dock			Negative	1	1	0	0.02	0	0.02	< LOD	0
61	6/20/2011 8:15	PAINT	3.23	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	1C	1	North loading dock			Negative	1	1	0	0.02	0	0.02	0.11	1.46

62	6/20/2011 8:16	PAINT	1.6	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	1C	1	North loading dock			Negative	1	1	0	0.02	0	0.02	< LOD	0
63	6/20/2011 8:16	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	1C	1	North loading dock			Negative	1.82	1	0.01	0.02	0.01	0.02	0.3	0.95
64	**6/20/2011 8:17**	**PAINT**	**0.54**	**mg / cm ^2**	**FLOOR**	**CONCRETE**		**INTACT**	**YELLOW**	**1C**	**1**	**North loading dock**	**Stripe**	**40 SF**	**Positive**	**1.18**	**1**	**2.5**	**1.4**	**2.5**	**1.4**	**4.5**	**8.5**
65	6/20/2011 8:18	PAINT	3.73	mg / cm ^2	FLOOR	CONCRETE		INTACT	WHITE	1C	1	North loading dock	Stripe		Negative	1	1	0	0.02	0	0.02	0.3	0.92
66	**6/20/2011 8:20**	**PAINT**	**3.77**	**mg / cm ^2**	**WALL**	**WOOD**	**B**	**FAIR**	**WHITE**	**1D**	**1**	**Shop**		**100 SF**	**Positive**	**6.52**	**1**	**1.9**	**0.8**	**1.4**	**0.4**	**1.9**	**0.8**
67	6/20/2011 8:21	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1D	1	Shop			Negative	5.2	1	0.06	0.08	0.06	0.08	0.5	0.9
68	6/20/2011 8:22	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	1D	1	Shop			Negative	3.13	1	0.01	0.02	0.01	0.02	0.5	0.9
69	6/20/2011 8:23	PAINT	3.73	mg / cm ^2	FLOOR	CONCRETE		INTACT	YELLOW	1D	1	Shop	Stripe		Negative	1	1	0	0.02	0	0.02	0.6	0.9
70	6/20/2011 8:24	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	1D	1	Electrical room			Negative	1	1	0	0.02	0	0.02	0.7	0.9
71	6/20/2011 8:24	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1D	1	Electrical room			Negative	1.53	1	0	0.02	0	0.02	0.25	0.9
72	6/20/2011 8:25	PAINT	3.74	mg / cm ^2	WALL	CONCRETE	B	INTACT	GREEN	1D	1	Electrical room			Negative	2.33	1	0.01	0.02	0.01	0.02	0.4	0.9
73	6/20/2011 8:26	PAINT	3.74	mg / cm ^2	WALL	BRICK	B	INTACT	GREEN	1D	1	Electrical room			Negative	1.61	1	0	0.02	0	0.02	0.3	0.88
74	6/20/2011 8:27	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	1D	1	Electrical room			Negative	1	1	0	0.02	0	0.02	0.5	0.9
75	6/20/2011 8:28	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1D	2	Mezzanine			Negative	2.03	1	0	0.02	0	0.02	0.5	0.9
76	6/20/2011 8:28	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	1D	2	Mezzanine			Negative	1	1	0	0.02	0	0.02	0.6	0.9
77	6/20/2011 8:29	PAINT	3.78	mg / cm ^2	WALL	BRICK	B	INTACT	WHITE	1D	2	Mezzanine			Negative	1	1	0	0.02	0	0.02	0.3	0.88
78	6/20/2011 8:35	PAINT	3.74	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	1B	2	West storage by mezzanine			Negative	1	1	0	0.02	0	0.02	0.22	0.9
79	6/20/2011 8:35	PAINT	0.54	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE						Null	1.16	1	0	0.02	0	0.02	< LOD	0
80	6/20/2011 8:36	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	1B	2	Mezzanine			Negative	1.33	1	0	0.02	0	0.02	0.7	0.8
81	6/20/2011 8:37	PAINT	1.07	mg / cm ^2	WALL	WOOD	B	FAIR	WHITE	1B	2	Mezzanine			Negative	4.63	1	0.17	0.44	0.17	0.44	0.24	2.07
82	6/20/2011 8:37	PAINT	1.07	mg / cm ^2	WALL	WOOD	B	FAIR	WHITE	1B	2	Mezzanine			Negative	5.58	1	0.08	0.35	0.08	0.35	0.25	1.99
83	6/20/2011 8:43	PAINT	0.54	mg / cm ^2	WINDOW	WOOD	C	POOR	BROWN				SASH		Null	1	1	0	0.04	0	0.04	< LOD	0
84	6/20/2011 8:43	PAINT	1.06	mg / cm ^2	WINDOW	WOOD	C	POOR	BROWN	1B	2	Exterior north	SASH		Negative	1	1	0	0.02	0	0.02	0.01	1.63
85	6/20/2011 8:44	PAINT	1.07	mg / cm ^2	WINDOW	WOOD	C	POOR	BROWN	1B	2	Exterior north	SILL		Negative	1	1	0	0.02	0	0.02	0.7	1.9
86	6/20/2011 8:46	PAINT	1.07	mg / cm ^2	WINDOW	WOOD	C	POOR	BROWN	1B	2	Exterior north	SILL		Negative	1	1	0	0.03	0	0.03	0.05	1.96
87	6/20/2011 8:46	PAINT	1.07	mg / cm ^2	WINDOW	WOOD	C	POOR	BROWN	1B	2	Exterior north	SASH		Negative	1	1	0	0.02	0	0.02	0.5	1.9
88	6/20/2011 8:47	PAINT	1.07	mg / cm ^2	WINDOW	WOOD	C	POOR	BROWN	1B	2	Exterior north	FRAME		Negative	1	1	0	0.02	0	0.02	0.17	1.85
89	6/20/2011 8:50	PAINT	1.06	mg / cm ^2	DOOR	WOOD	B	POOR	WHITE	1B	3	Exterior west - roof access	FRAME		Negative	1	1	0	0.02	0	0.02	< LOD	0
90	6/20/2011 8:50	PAINT	1.08	mg / cm ^2	DOOR	WOOD	B	POOR	WHITE	1B	3	Exterior west - roof access	STOP		Negative	1	1	0	0.02	0	0.02	0.1	1.79
91	6/20/2011 8:51	PAINT	1.07	mg / cm ^2	WALL	WOOD	D	POOR	WHITE	1B	3	Exterior west - roof access			Negative	1.05	1	0.01	0.04	0.01	0.04	0.18	2.63
92	6/20/2011 8:52	PAINT	1.07	mg / cm ^2	VENT	WOOD	B	POOR	WHITE	1B	3	Exterior west wall on roof	frame		Negative	1	1	0	0.03	0	0.03	0.29	1.42
93	6/20/2011 8:53	PAINT	1.08	mg / cm ^2	VENT	WOOD	B	POOR	WHITE	1B	3	Exterior west wall on roof	frame		Negative	1	1	0	0.02	0	0.02	0.3	1.68
94	6/20/2011 8:57	PAINT	3.74	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	9		Exterior north wall near roof			Negative	1.57	1	0	0.02	0	0.02	0.3	0.89
95	6/20/2011 8:59	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1B		Exterior west wall on roof		West drive thru	Negative	1.88	1	0	0.02	0	0.02	0.6	0.9
96	6/20/2011 8:59	PAINT	1.07	mg / cm ^2	WALL	WOOD	B	POOR	WHITE	1B		Exterior west wall on roof	trim	West drive thru	Negative	1	1	0	0.02	0	0.02	0.4	1.7
97	6/20/2011 9:01	PAINT	1.08	mg / cm ^2	WALL	WOOD	B	POOR	WHITE				trim	West drive thru	Negative	1.16	1	0.01	0.04	0.01	0.04	0.4	1.9
98	6/20/2011 9:01	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1B		Exterior west wall on roof			Negative	1.54	1	0	0.02	0	0.02	0.3	0.9
99	6/20/2011 9:02	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	9		Exterior north wall near roof			Negative	1	1	0	0.02	0	0.02	0.4	0.9
100	6/20/2011 9:03	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	D	FAIR	WHITE	1D		Exterior east wall on roof			Negative	1	1	0	0.02	0	0.02	0.8	0.9
101	6/20/2011 9:03	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	D	FAIR	WHITE	1D		Exterior east wall on roof			Negative	2.09	1	0.01	0.02	0.01	0.02	0.6	0.8
102	6/20/2011 9:04	PAINT	4.27	mg / cm ^2	WALL	BRICK	D	FAIR	WHITE	1D		Exterior east wall on roof			Negative	1	1	0	0.02	0	0.02	0.8	0.8
103	6/20/2011 9:08	PAINT	1.07	mg / cm ^2	WALL	WOOD	B	FAIR	BROWN	1B		Exterior west wall on roof	roof trim		Negative	1	1	0.01	0.04	0.01	0.04	0.29	1.53
104	6/20/2011 9:13	PAINT	1.61	mg / cm ^2	WALL	WOOD	C	POOR	WHITE	1A	1	Exterior north wall	siding trim		Negative	2.98	1	0.6	0.4	0.6	0.4	0.8	1.3
105	6/20/2011 9:14	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	1B	1	Exterior north wall			Negative	1	1	0	0.02	0	0.02	0.5	0.9
106	6/20/2011 9:15	PAINT	3.77	mg / cm ^2	WALL	CONCRETE	C	FAIR	WHITE	1C	1	Exterior north wall		north loading dock	Negative	1	1	0	0.02	0	0.02	0.6	0.8
107	6/20/2011 9:15	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	C	FAIR	WHITE	1C	1	Exterior north wall		north loading dock	Negative	1	1	0	0.02	0	0.02	0.5	0.9
108	6/20/2011 9:16	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1C	1	Exterior west wall		north loading dock	Negative	1.52	1	0	0.02	0	0.02	0.7	0.9
109	6/20/2011 9:17	PAINT	3.21	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1C	1	Exterior west wall		north loading dock	Negative	1	1	0	0.02	0	0.02	0.08	1.48
110	6/20/2011 9:17	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	1C	1	Exterior south wall			Negative	1.49	1	0	0.02	0	0.02	0.5	0.9
111	6/20/2011 9:17	PAINT	3.74	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	1C	1	Exterior south wall			Negative	1	1	0	0.02	0	0.02	0.6	0.9
112	6/20/2011 9:19	PAINT	3.2	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1D	1	Exterior west wall			Negative	1	1	0	0.02	0	0.02	0.26	1.4
113	6/20/2011 9:21	PAINT	1.06	mg / cm ^2	WALL	WOOD	B	POOR	WHITE	1D	1	Exterior west wall	overhang beam		Negative	1	1	0	0.02	0	0.02	0.6	1.7
114	6/20/2011 9:22	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	1D	1	Exterior west wall			Negative	2.02	1	0.01	0.02	0.01	0.02	0.6	0.9
115	6/20/2011 9:23	PAINT	1.07	mg / cm ^2	WALL	WOOD	A	POOR	WHITE	1D	1	Exterior south wall	overhang wall		Negative	1	1	0	0.02	0	0.02	< LOD	0
116	6/20/2011 9:25	PAINT	1.09	mg / cm ^2	WALL	WOOD	A	POOR	BROWN	1D	1	Exterior south wall	overhang wall	roof trim	Negative	4.55	1	0.02	0.15	0.02	0.15	0.07	1.48
117	6/20/2011 9:25	PAINT	1.07	mg / cm ^2	COLUMN	WOOD	A	POOR	WHITE	1D	1	Exterior south wall			Negative	1	1	0	0.02	0	0.02	0.9	2
118	6/20/2011 9:26	PAINT	3.78	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	1D	1	Exterior south wall			Negative	1.3	1	0	0.02	0	0.02	0.6	0.8
119	6/20/2011 9:27	PAINT	1.07	mg / cm ^2	WALL	WOOD	A	POOR	WHITE	1D	1	Exterior south wall			Negative	1	1	0	0.02	0	0.02	0.29	1.9
120	6/20/2011 9:28	PAINT	1.07	mg / cm ^2	ROOF	WOOD		POOR	WHITE	1D		Exterior south wall	soffit		Negative	1	1	0	0.02	0	0.02	0.4	2
121	6/20/2011 9:29	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	B	FAIR	WHITE	9	1	Exterior west wall			Negative	1	1	0	0.02	0	0.02	0.6	0.9
122	6/20/2011 9:30	PAINT	20.36	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	9	1	Exterior west wall	decorative block		Negative	1	1	0	0.02	0	0.02	0.8	0.3
123	6/20/2011 9:32	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	B	FAIR	WHITE	9	1	Exterior west wall			Negative	1	1	0	0.02	0	0.02	0.7	0.9

124	6/20/2011 9:34	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	9	1					Negative	1.26	1	0	0.02	0	0.02	0.5	0.9
125	6/20/2011 9:34	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	9	1					Negative	1.15	1	0	0.02	0	0.02	0.7	0.8
126	6/20/2011 9:35	PAINT	3.77	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	9	1					Negative	2.24	1	0.01	0.02	0.01	0.02	0.8	0.8
127	6/20/2011 9:35	PAINT	3.22	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	9	1					Negative	1	1	0	0.02	0	0.02	0.17	1.45
128	6/20/2011 9:36	PAINT	3.77	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	9	1					Negative	1	1	0	0.02	0	0.02	0.6	0.9
129	6/20/2011 9:36	PAINT	3.21	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	9	1					Negative	1.87	1	0	0.02	0	0.02	0.24	1.4
130	6/20/2011 9:37	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	9	1					Negative	1.38	1	0	0.02	0	0.02	0.6	0.9
131	6/20/2011 9:37	PAINT	2.7	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	9	1					Negative	1	1	0	0.02	0	0.02	0.13	1.55
132	6/20/2011 9:45	PAINT	3.76	mg / cm ^2	COLUMN	CONCRETE	B	INTACT	WHITE	9	1					Negative	1	1	0	0.02	0	0.02	0.5	0.9
133	6/20/2011 9:45	PAINT	3.74	mg / cm ^2	COLUMN	CONCRETE	A	INTACT	WHITE	9	1					Negative	1	1	0	0.02	0	0.02	0.6	0.9
134	6/20/2011 9:46	PAINT	3.77	mg / cm ^2	COLUMN	CONCRETE	A	INTACT	RED	9	1					Negative	1.13	1	0	0.02	0	0.02	0.5	0.9
135	6/20/2011 9:46	PAINT	3.76	mg / cm ^2	COLUMN	CONCRETE	B	INTACT	RED	9	1					Negative	1	1	0	0.02	0	0.02	0.4	0.9
136	**6/20/2011 9:47**	**PAINT**	**0.54**	**mg / cm ^2**	**FLOOR**	**ASPHALT**		**POOR**	**YELLOW**	**9**	**1**		**Stripe**	**360 LF**		**Positive**	**1.52**	**1**	**3.1**	**1.8**	**3.1**	**1.8**	**4.8**	**8.2**
137	6/20/2011 9:50	PAINT	3.74	mg / cm ^2	FLOOR	ASPHALT		INTACT	BLUE	9	1					Negative	1.81	1	0	0.02	0	0.02	0.6	0.9
138	6/20/2011 9:51	PAINT	3.75	mg / cm ^2	FLOOR	ASPHALT		INTACT	BLACK	9	1					Negative	1	1	0	0.02	0	0.02	0.7	0.8
139	6/20/2011 9:51	PAINT	4.3	mg / cm ^2	WALL	CONCRETE	A	INTACT	BLACK	9	1					Negative	2.82	1	0.01	0.02	0.01	0.02	0.8	0.8
140	**6/20/2011 9:53**	**PAINT**	**4.79**	**mg / cm ^2**	**FLOOR**	**CONCRETE**		**INTACT**	**YELLOW**	**9**	**1**		**Stripe**	**200 LF**		**Positive**	**1.87**	**1**	**1.9**	**0.8**	**1**	**0.2**	**1.9**	**0.8**
141	6/20/2011 10:00	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	6	1	Bay 1				Negative	1	1	0	0.02	0	0.02	0.6	0.9
142	6/20/2011 10:00	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	6	1	Bay 1				Negative	1	1	0	0.02	0	0.02	0.4	0.9
143	6/20/2011 10:01	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	6	1	Bay 1				Negative	1	1	0	0.02	0	0.02	0.7	0.9
144	6/20/2011 10:01	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	6	1	Bay 1				Negative	1.24	1	0	0.02	0	0.02	0.5	0.9
145	6/20/2011 10:01	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	6	1	Bay 1				Negative	1	1	0	0.02	0	0.02	0.6	0.9
146	6/20/2011 10:02	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	6	1	Bay 1				Negative	1	1	0	0.02	0	0.02	0.4	0.9
147	6/20/2011 10:02	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	6	1	Bay 1				Negative	1.32	1	0	0.02	0	0.02	0.28	0.91
148	6/20/2011 10:02	PAINT	3.74	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	6	1	Bay 1				Negative	2.11	1	0.01	0.02	0.01	0.02	0.4	0.9
149	6/20/2011 10:04	PAINT	6.45	mg / cm ^2	COLUMN	CONCRETE	B	INTACT	WHITE	6	1	Bay 1				Negative	5.71	1	0.02	0.03	0.02	0.03	1	0.6
150	6/20/2011 10:04	PAINT	3.75	mg / cm ^2	COLUMN	CONCRETE	A	INTACT	WHITE	6	1	Bay 1				Negative	1	1	0	0.02	0	0.02	0.21	0.94
151	6/20/2011 10:05	PAINT	3.75	mg / cm ^2	COLUMN	CONCRETE	A	INTACT	RED	6	1	Bay 1				Negative	3.55	1	0.01	0.03	0.01	0.03	0.5	0.9
152	**6/20/2011 10:06**	**PAINT**	**1.07**	**mg / cm ^2**	**DOOR**	**CONCRETE**	**B**	**INTACT**	**YELLOW**	**6**	**1**	**Bay 1**	**Overhead door bollard**	**96 SF**		**Positive**	**1.42**	**1**	**2.4**	**1**	**2.4**	**1**	**1.5**	**3.7**
153	**6/20/2011 10:08**	**PAINT**	**1.6**	**mg / cm ^2**	**FLOOR**	**CONCRETE**	**B**	**FAIR**	**YELLOW**	**6**	**1**	**Bay 1**	**Stripe**	**80 LF**		**Positive**	**1.51**	**1**	**1.8**	**0.5**	**1.8**	**0.5**	**2.5**	**2.6**
154	6/20/2011 10:10	PAINT	3.74	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	6	1	Office				Negative	1.6	1	0	0.02	0	0.02	0.3	0.92
155	6/20/2011 10:10	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	6	1	Office				Negative	1	1	0	0.02	0	0.02	0.5	0.9
156	6/20/2011 10:11	PAINT	3.24	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	6	1	Office				Negative	1	1	0	0.02	0	0.02	0.21	1.44
157	6/20/2011 10:11	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	6	1	Office				Negative	1	1	0	0.02	0	0.02	0.5	0.8
158	6/20/2011 10:12	PAINT	3.72	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	6	1	Men's				Negative	1	1	0	0.02	0	0.02	0.3	0.91
159	6/20/2011 10:12	PAINT	3.72	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	6	1	Men's				Negative	1	1	0	0.02	0	0.02	0.4	0.9
160	6/20/2011 10:13	PAINT	1.61	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	6	1	Men's				Negative	1	1	0	0.02	0	0.02	< LOD	0
161	6/20/2011 10:13	PAINT	3.74	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	6	1	Men's				Negative	1.47	1	0	0.02	0	0.02	0.5	0.9
162	6/20/2011 10:14	PAINT	5.37	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	6	1	Women's				Negative	1.25	1	0	0.02	0	0.02	1	0.7
163	6/20/2011 10:14	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	6	1	Women's				Negative	1	1	0	0.02	0	0.02	0.4	0.9
164	6/20/2011 10:14	PAINT	3.78	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	6	1	Women's				Negative	1	1	0	0.02	0	0.02	0.7	0.9
165	6/20/2011 10:14	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	6	1	Women's				Negative	1	1	0	0.02	0	0.02	0.6	0.8
166	6/20/2011 10:15	PAINT	4.28	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	6	2	Locker/lunchroom				Negative	1.53	1	0	0.02	0	0.02	0.7	0.9
167	6/20/2011 10:16	PAINT	3.77	mg / cm ^2	WALL	CONCRETE	A	INTACT	GRAY	6	2	Locker/lunchroom				Negative	2.2	1	0.01	0.02	0.01	0.02	0.8	0.9
168	6/20/2011 10:16	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	6	2	Locker/lunchroom				Negative	1	1	0	0.02	0	0.02	0.7	0.9
169	6/20/2011 10:16	PAINT	3.77	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	6	2	Locker/lunchroom				Negative	1	1	0	0.02	0	0.02	0.6	0.9
170	6/20/2011 10:17	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	6	2	Locker/lunchroom				Negative	1	1	0	0.02	0	0.02	0.7	0.9
171	6/20/2011 10:17	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	D	INTACT	GRAY	6	2	Locker/lunchroom				Negative	2.02	1	0.01	0.02	0.01	0.02	0.5	0.9
172	6/20/2011 10:18	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	D	INTACT	TAN	6	2	Locker/lunchroom				Negative	1	1	0	0.02	0	0.02	0.6	0.9
173	6/20/2011 10:18	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	D	INTACT	GREEN	6	2	Locker/lunchroom				Negative	1	1	0	0.02	0	0.02	0.6	0.9
174	6/20/2011 10:21	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	6	1	Bay 2				Negative	1	1	0	0.02	0	0.02	0.7	0.9
175	6/20/2011 10:21	PAINT	3.77	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	6	1	Bay 2				Negative	1.25	1	0	0.02	0	0.02	0.24	0.92
176	6/20/2011 10:21	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	6	1	Bay 2				Negative	1	1	0	0.02	0	0.02	0.7	0.9
177	6/20/2011 10:22	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	6	1	Bay 2				Negative	1.56	1	0	0.02	0	0.02	0.5	0.9
178	6/20/2011 10:22	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	6	1	Bay 2				Negative	1.39	1	0	0.02	0	0.02	0.7	0.9
179	6/20/2011 10:22	PAINT	4.81	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	6	1	Bay 2				Negative	1	1	0	0.02	0	0.02	0.8	0.8
180	6/20/2011 10:23	PAINT	3.74	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	6	1	Bay 2				Negative	5.47	1	0.03	0.05	0.03	0.05	0.3	0.9
181	6/20/2011 10:23	PAINT	4.29	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	6	1	Bay 2				Negative	1	1	0	0.02	0	0.02	0.7	0.8
182	**6/20/2011 10:24**	**PAINT**	**1.6**	**mg / cm ^2**	**DOOR**	**CONCRETE**	**D**	**INTACT**	**YELLOW**	**6**	**1**	**Bay 2**	**Overhead door bollard**	**48 SF**		**Positive**	**1.47**	**1**	**1.6**	**0.5**	**1.6**	**0.5**	**1.2**	**2.6**
183	6/20/2011 10:24	PAINT	3.74	mg / cm ^2	COLUMN	CONCRETE	D	INTACT	WHITE	6	1	Bay 2				Negative	1.82	1	0	0.02	0	0.02	0.8	0.9
184	6/20/2011 10:26	PAINT	3.75	mg / cm ^2	CEILING	CONCRETE		INTACT	WHITE	6	1	Bay 2		West stair		Negative	1.02	1	0	0.02	0	0.02	0.8	0.9
185	6/20/2011 10:27	PAINT	3.77	mg / cm ^2	CEILING	CONCRETE	A	INTACT	BROWN	6	1	Bay 2		West stair		Negative	1	1	0	0.02	0	0.02	0.27	0.92

186	6/20/2011 10:27	PAINT	3.75	mg / cm ^2	CEILING	CONCRETE	B	INTACT	WHITE	6	1	Bay 2	beam	West stair	Negative	2.17	1	0	0.02	0	0.02	0.7	0.9
187	6/20/2011 10:29	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	6	2	Bay 3			Negative	1	1	0	0.02	0	0.02	0.6	0.9
188	6/20/2011 10:30	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	6	2	Bay 3			Negative	1	1	0	0.02	0	0.02	0.5	0.9
189	6/20/2011 10:30	PAINT	3.74	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	6	2	Bay 3			Negative	1	1	0	0.02	0	0.02	0.7	0.9
190	6/20/2011 10:30	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	6	2	Bay 3			Negative	1	1	0	0.02	0	0.02	0.5	0.9
191	6/20/2011 10:31	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	6	2	Bay 3			Negative	1.5	1	0	0.02	0	0.02	0.3	0.91
192	6/20/2011 10:31	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	6	2	Bay 3			Negative	1	1	0	0.02	0	0.02	0.5	0.9
193	6/20/2011 10:31	PAINT	3.19	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	6	2	Bay 3			Negative	1.31	1	0	0.02	0	0.02	0.14	1.45
194	6/20/2011 10:32	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	6	2	Bay 3			Negative	1	1	0	0.02	0	0.02	0.5	0.9
195	6/20/2011 10:35	PAINT	3.75	mg / cm ^2	CEILING	CONCRETE		INTACT	WHITE	6	2	Bay 3			Negative	4.35	1	0.01	0.03	0.01	0.03	0.5	0.9
196	6/20/2011 10:37	PAINT	3.23	mg / cm ^2	CEILING	CONCRETE		INTACT	WHITE	6	1	Bay 2		East stair	Negative	1	1	0	0.02	0	0.02	0.17	1.41
197	6/20/2011 10:37	PAINT	3.76	mg / cm ^2	CEILING	CONCRETE	A	INTACT	BROWN	6	1	Bay 2		East stair	Negative	1.93	1	0	0.02	0	0.02	0.5	0.9
198	6/20/2011 10:38	PAINT	3.75	mg / cm ^2	CEILING	CONCRETE	D	INTACT	WHITE	6	1	Bay 2	beam	East stair	Negative	1	1	0	0.02	0	0.02	0.8	0.8
199	6/20/2011 10:44	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	6	1	Exterior east wall			Negative	1	1	0	0.02	0	0.02	0.6	0.9
200	6/20/2011 10:45	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	D	INTACT	BROWN	6	1	Exterior east wall			Negative	1	1	0	0.02	0	0.02	0.4	0.9
201	6/20/2011 10:46	PAINT	1.07	mg / cm ^2	DOOR	CONCRETE	D	INTACT	BROWN	6	1	Exterior east wall	Overhead door bollard		Negative	1	1	0	0.02	0	0.02	0.3	2.67
202	6/20/2011 10:54	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	6	1	Exterior south wall			Negative	2.44	1	0.01	0.02	0.01	0.02	0.24	0.88
203	6/20/2011 10:54	PAINT	3.2	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	6	1	Exterior south wall			Negative	1	1	0	0.02	0	0.02	0.15	1.44
204	6/20/2011 10:55	PAINT	3.74	mg / cm ^2	WALL	CONCRETE	A	INTACT	BROWN	6	1	Exterior south wall			Negative	1.37	1	0	0.02	0	0.02	0.5	0.9
205	6/20/2011 10:55	PAINT	1.08	mg / cm ^2	DOOR	WOOD	A	POOR	WHITE	6	1	Exterior south wall	Overhead door trim		Negative	1	1	0	0.02	0	0.02	0.6	1.8
206	6/20/2011 10:56	PAINT	1.07	mg / cm ^2	DOOR	CONCRETE	A	INTACT	BROWN	6	1	Exterior south wall	Overhead door bollard		Negative	1	1	0	0.02	0	0.02	0.5	3
207	6/20/2011 10:58	PAINT	3.22	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	6	1	Exterior west wall			Negative	1	1	0	0.02	0	0.02	0.28	1.42
208	6/20/2011 10:58	PAINT	3.77	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	6	1	Exterior west wall			Negative	1.08	1	0	0.02	0	0.02	0.7	0.9
209	6/20/2011 10:59	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	B	INTACT	BROWN	6	1	Exterior west wall			Negative	1	1	0	0.02	0	0.02	0.6	0.9
210	6/20/2011 10:59	PAINT	1.08	mg / cm ^2	DOOR	CONCRETE	B	INTACT	BROWN	6	1	Exterior west wall	Overhead door bollard		Negative	1	1	0	0.02	0	0.02	< LOD	0
211	6/20/2011 11:01	PAINT	5.86	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	6	1	Exterior north wall			Negative	1	1	0	0.02	0	0.02	0.9	0.7
212	6/20/2011 11:01	PAINT	3.74	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	6	1	Exterior north wall			Negative	1	1	0	0.02	0	0.02	0.4	0.9
213	6/20/2011 11:02	PAINT	4.85	mg / cm ^2	WALL	CONCRETE	C	INTACT	BROWN	6	1	Exterior north wall			Negative	3.23	1	0.01	0.02	0.01	0.02	0.9	0.8
214	6/20/2011 11:02	PAINT	3.78	mg / cm ^2	COLUMN	CONCRETE	A	INTACT	WHITE	6	1	Exterior north wall			Negative	1	1	0	0.02	0	0.02	0.5	0.9
215	**6/20/2011 11:02**	**PAINT**	**2.15**	**mg / cm ^2**	**COLUMN**	**CONCRETE**	**A**	**INTACT**	**YELLOW**	**6**	**1**	**Exterior north wall**		**200 SF**	**Positive**	**1.61**	**1**	**1.4**	**0.4**	**1.4**	**0.4**	**2.4**	**2.2**
216	6/20/2011 11:05	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	B	FAIR	WHITE	5	1	Exterior west wall			Negative	1	1	0	0.02	0	0.02	0.7	0.9
217	6/20/2011 11:05	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	B	INTACT	WHITE	5	1	Exterior west wall			Negative	1	1	0	0.02	0	0.02	0.6	0.9
218	6/20/2011 11:05	PAINT	1.08	mg / cm ^2	COLUMN	WOOD	B	POOR	WHITE	5	1	Exterior west wall			Negative	1	1	0	0.02	0	0.02	0.4	1.2
219	6/20/2011 11:07	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	5	1	Exterior south wall			Negative	1	1	0	0.02	0	0.02	0.4	0.9
220	6/20/2011 11:07	PAINT	3.77	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	5	1	Exterior south wall			Negative	1	1	0	0.02	0	0.02	0.7	0.9
221	6/20/2011 11:07	PAINT	4.28	mg / cm ^2	WALL	CONCRETE	A	INTACT	BROWN	5	1	Exterior south wall			Negative	1	1	0	0.02	0	0.02	0.8	0.8
222	6/20/2011 11:08	PAINT	4.83	mg / cm ^2	WALL	CONCRETE	D	INTACT	BROWN	5	1	Exterior east wall			Negative	1.87	1	0	0.02	0	0.02	0.9	0.7
223	6/20/2011 11:09	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	5	1	Exterior east wall			Negative	1	1	0	0.02	0	0.02	0.8	0.8
224	6/20/2011 11:09	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	5	1	Exterior east wall			Negative	1	1	0	0.02	0	0.02	0.8	0.9
225	6/20/2011 11:11	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	5	1	Exterior north wall			Negative	1	1	0	0.02	0	0.02	0.28	0.86
226	6/20/2011 11:11	PAINT	4.26	mg / cm ^2	WALL	CONCRETE	C	INTACT	WHITE	5	1	Exterior north wall			Negative	1	1	0	0.02	0	0.02	0.8	0.8
227	6/20/2011 11:11	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	C	INTACT	BROWN	5	1	Exterior north wall			Negative	1	1	0	0.02	0	0.02	0.5	0.9
228	6/20/2011 11:15	PAINT	3.73	mg / cm ^2	WALL	CONCRETE	D	INTACT	BROWN	9	1	Exterior east wall			Negative	1	1	0	0.02	0	0.02	0.8	0.9
229	6/20/2011 11:15	PAINT	3.76	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	9	1	Exterior east wall			Negative	4.03	1	0.02	0.03	0.02	0.03	0.5	0.9
230	6/20/2011 11:15	PAINT	3.21	mg / cm ^2	WALL	CONCRETE	D	INTACT	WHITE	9	1	Exterior east wall			Negative	1.75	1	0	0.02	0	0.02	0.11	1.45
231	6/20/2011 11:17	PAINT	4.29	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	9	1	Exterior south wall			Negative	1	1	0	0.02	0	0.02	0.9	0.8
232	6/20/2011 11:17	PAINT	3.75	mg / cm ^2	WALL	CONCRETE	A	INTACT	WHITE	9	1	Exterior south wall			Negative	1.39	1	0	0.02	0	0.02	0.7	0.8
233	6/20/2011 11:18	PAINT	4.29	mg / cm ^2	WALL	CONCRETE	A	INTACT	BROWN	9	1	Exterior south wall			Negative	3.29	1	0.01	0.02	0.01	0.02	0.8	0.8
234	6/20/2011 11:26	PAINT	3.77	mg / cm ^2	CEILING	CONCRETE		FAIR	WHITE	6		Exterior east wall	overhang in NEC		Negative	1	1	0	0.02	0	0.02	0.7	0.9
235	6/20/2011 11:30	PAINT	1.07	mg / cm ^2	WALL	WOOD	B	POOR	WHITE	5		Exterior west wall	roof trim		Negative	1	1	0	0.02	0	0.02	< LOD	0
236	6/20/2011 11:32	PAINT	1.08	mg / cm ^2	ROOF	WOOD	B	POOR	WHITE	5		Exterior west wall	roof underside		Negative	1.9	1	0.28	0.34	0.28	0.34	0.5	1.8
237	6/20/2011 11:36	PAINT	1.08	mg / cm ^2	WALL	WOOD	D	POOR	BROWN	5		Exterior east wall	roof trim		Negative	1	1	0	0.02	0	0.02	0.4	1.9
238	6/20/2011 11:43	Calibration to 1.0	6.43	mg / cm ^2											Negative	1.05	1	0.9	0.1	0.9	0.1	0.5	0.5
239	6/20/2011 11:44	Calibration to 1.0	16.1	mg / cm ^2											Negative	1.05	1	0.9	0.1	0.9	0.1	0.5	0.3
240	6/20/2011 11:44	Calibration to 1.0	9.09	mg / cm ^2											Positive	1.16	1	1.1	0.1	1.1	0.1	0.6	0.4

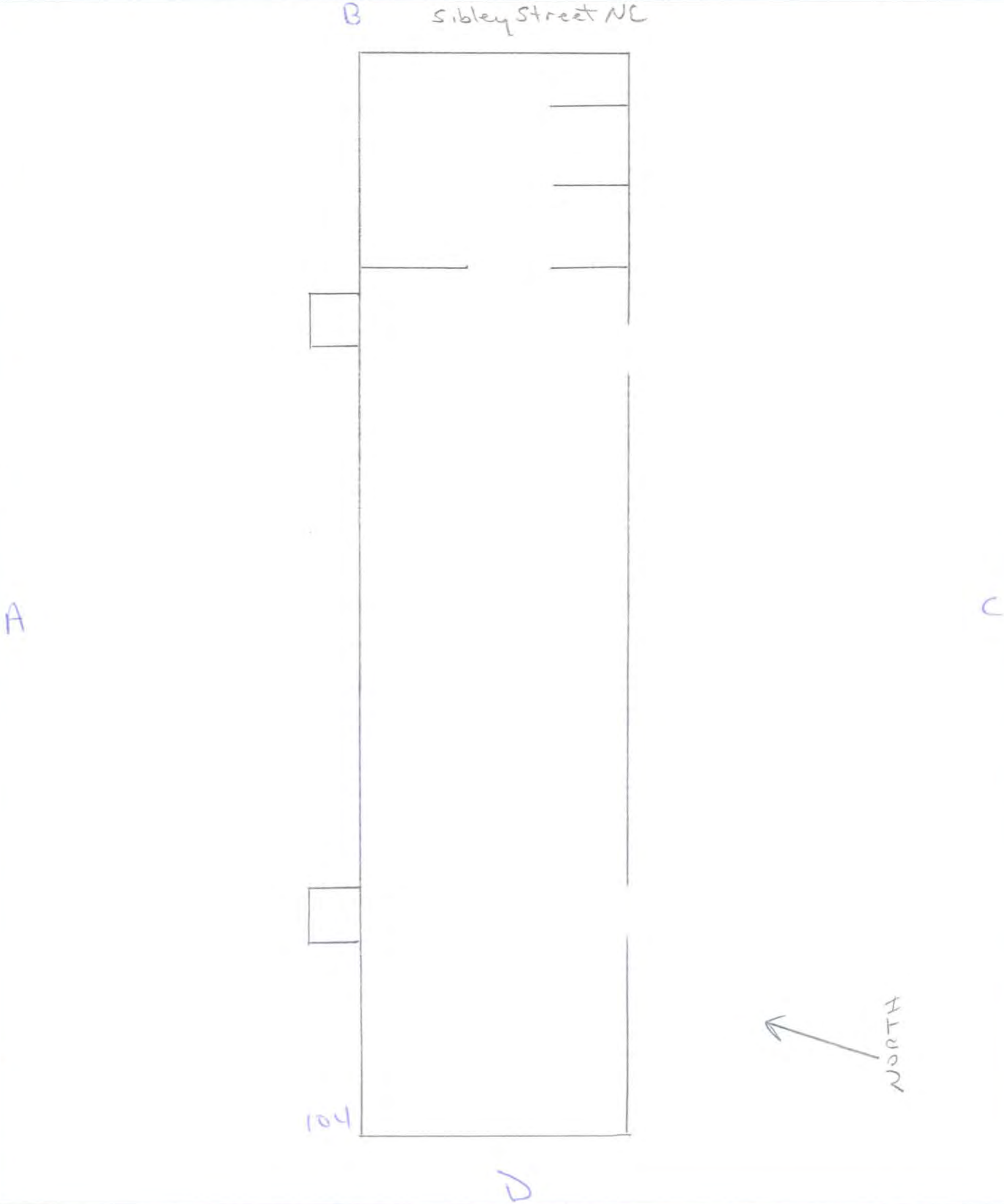
APPENDIX R

Peer Engineering
7615 Golden Triangle Dr., Suite N
Eden Prairie, MN 55344
(952) 831-3341 • Fax (952) 831-4552

Project No. 20074 Sheet ______ of ______

Project Name Scherer Brothers - Building 1A

By NOT TO SCALE Date ______



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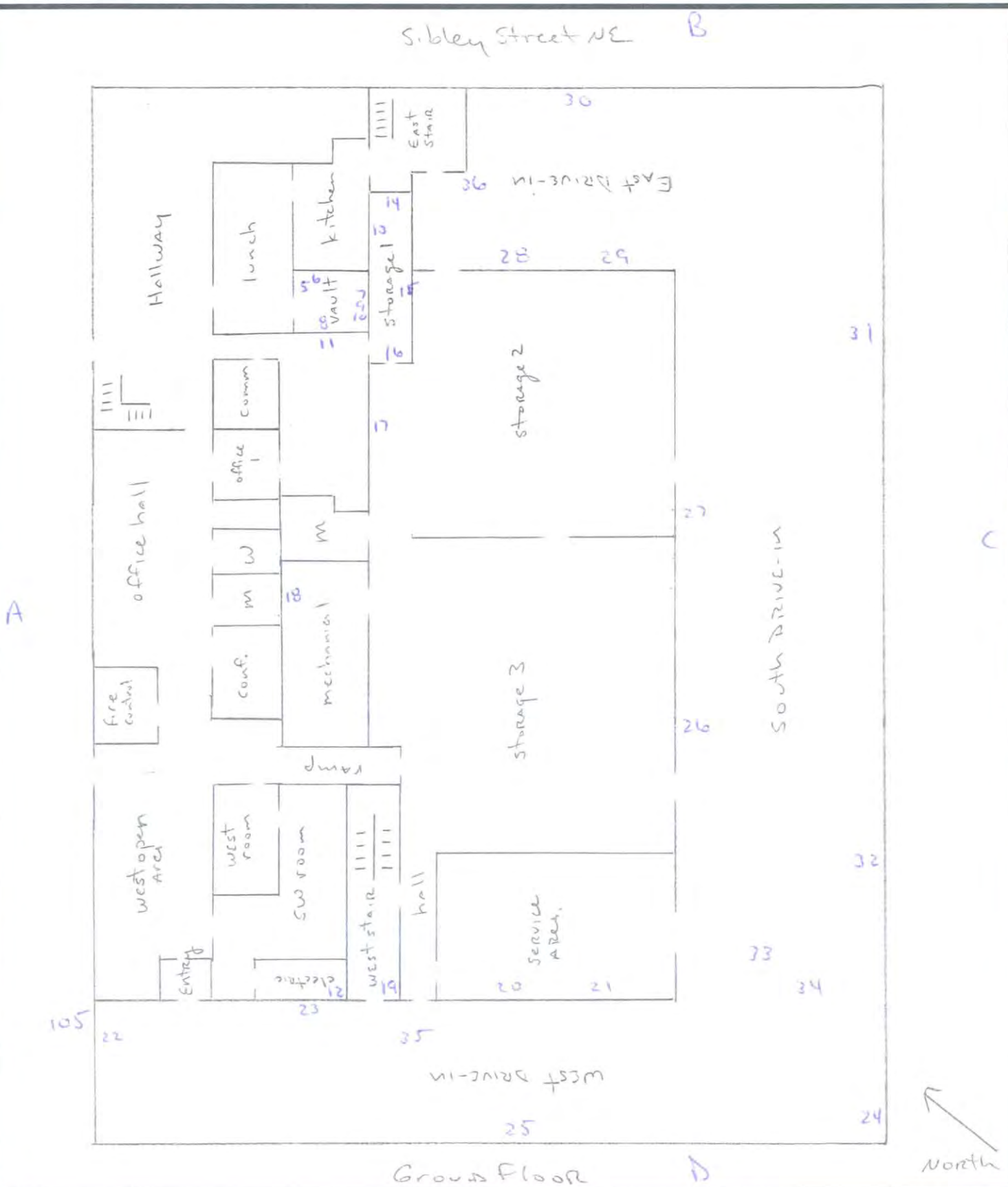
Project No. 20074 Sheet ____ of ____

Project Name Scherer Brothers - Building 1B

By NOT TO SCALE Date ____



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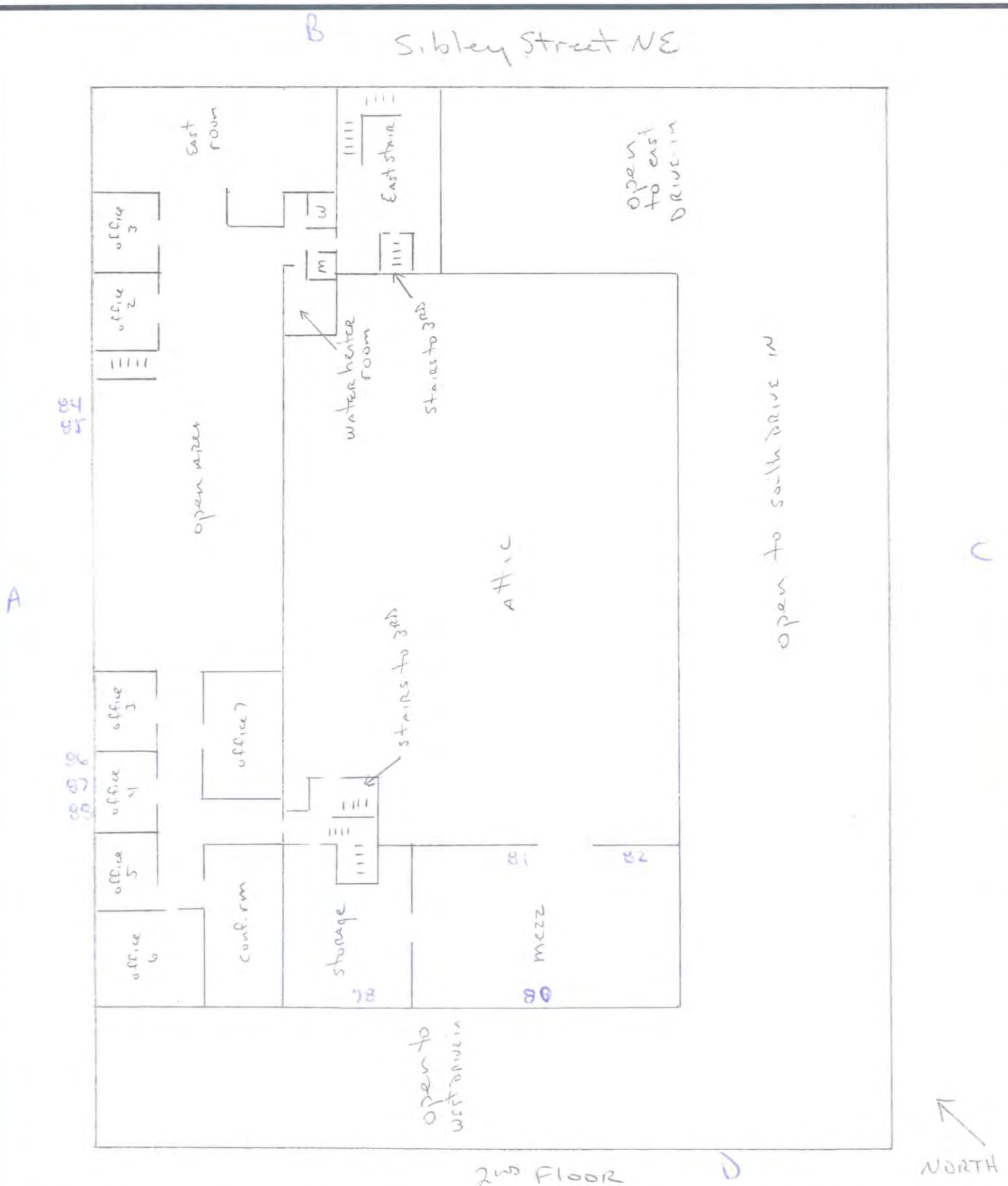
Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers - Building 1B

By NOT TO SCALE Date _____



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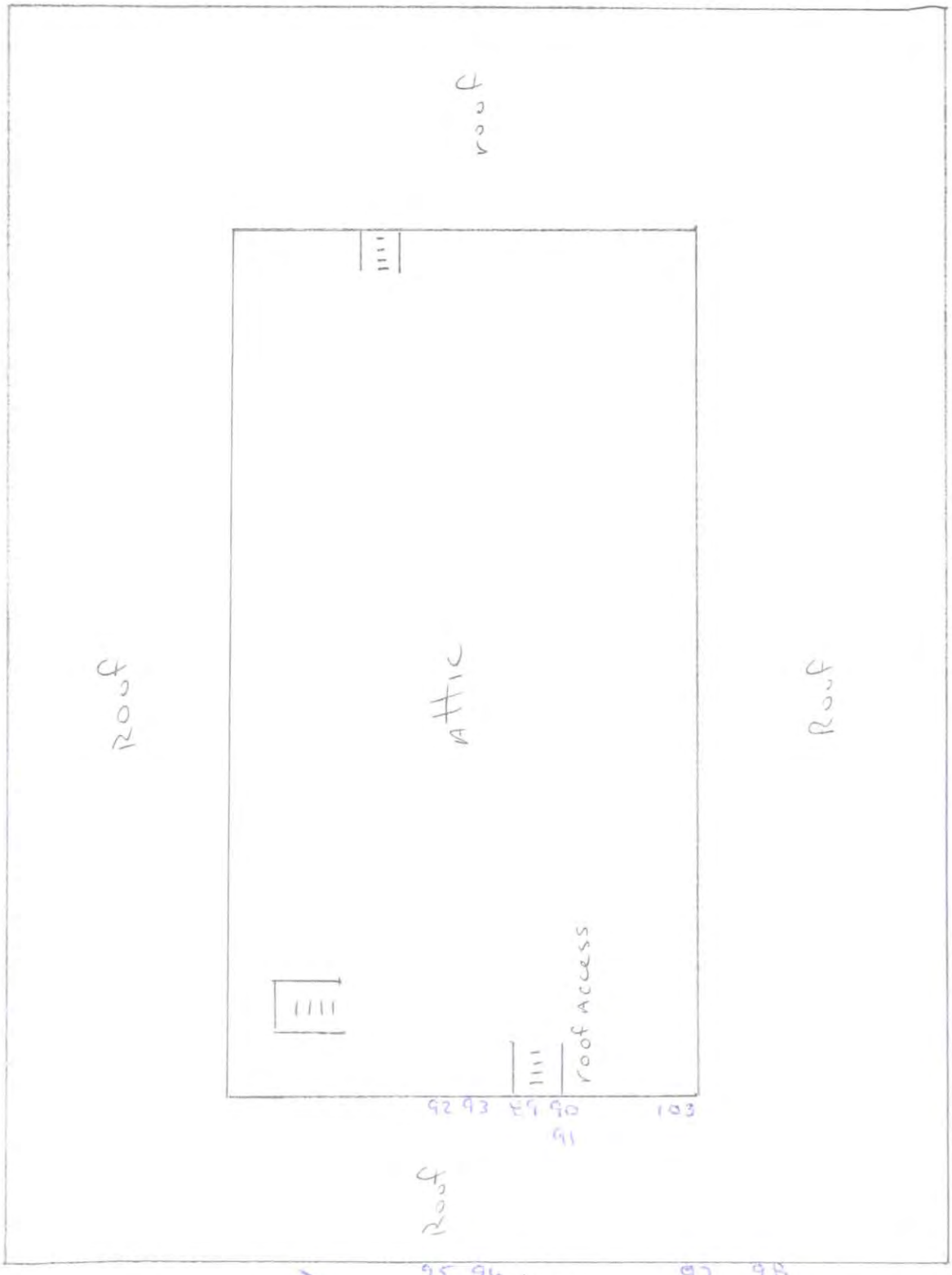
Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers - Building 1B

By _____ Date _____



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Eden Prairie, MN 55344
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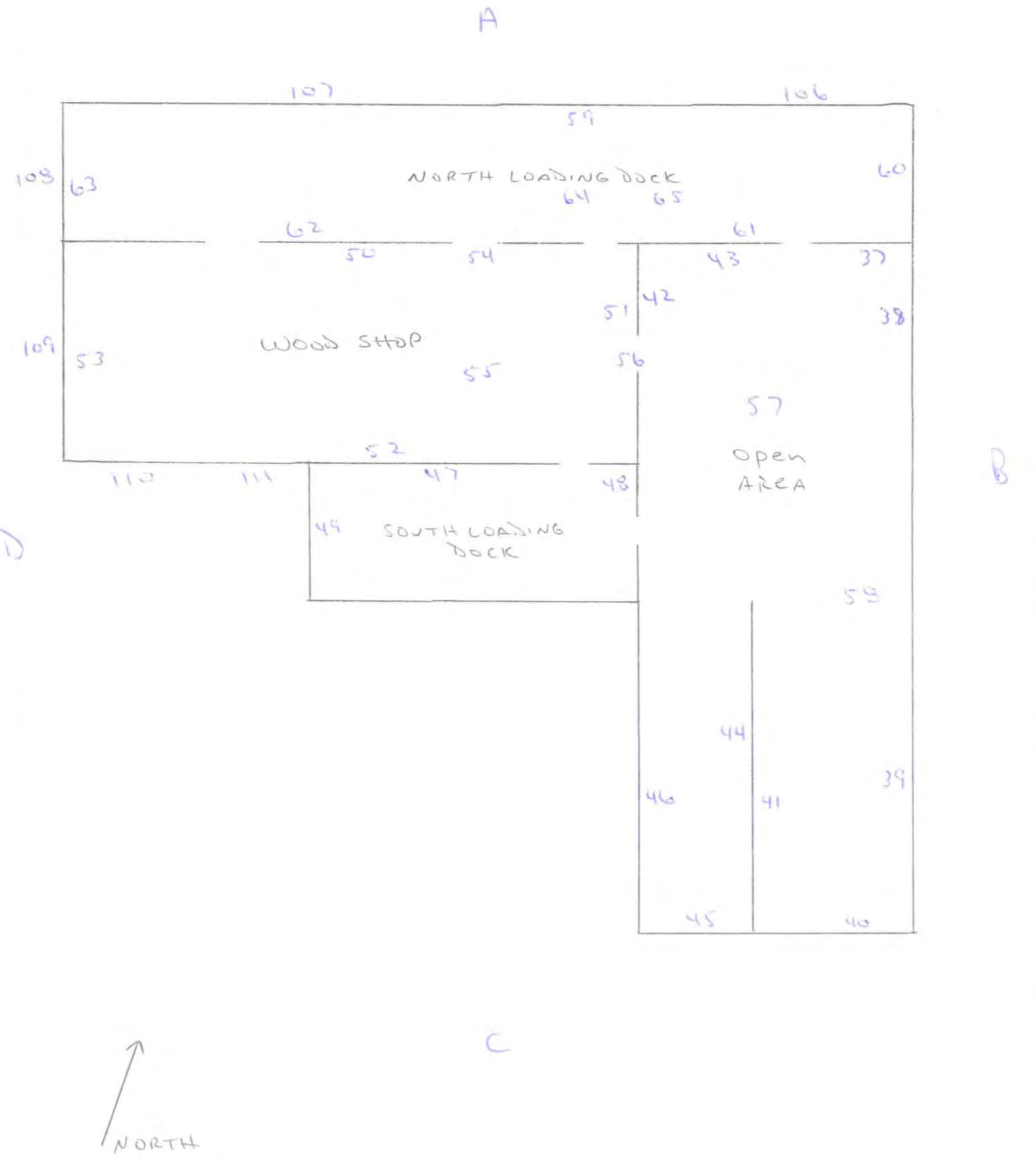
Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers - Building 1C

By NOT TO SCALE Date _____



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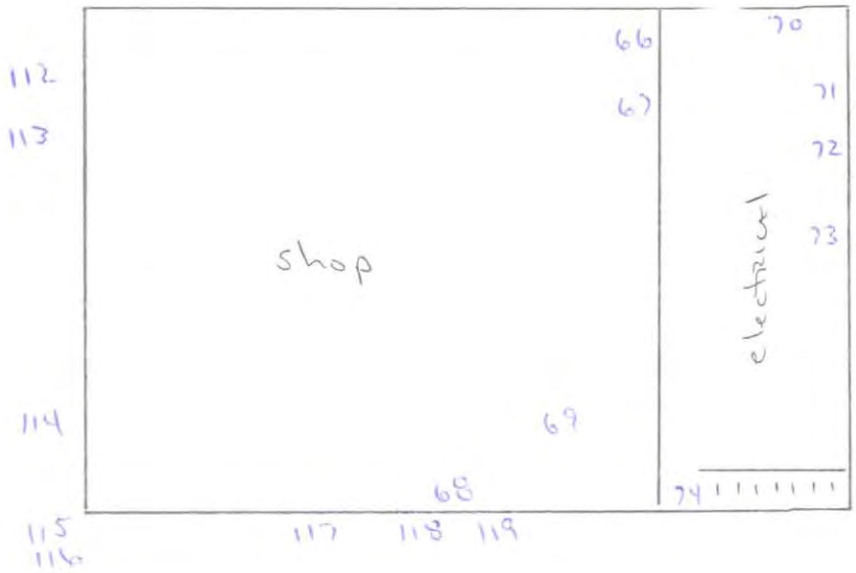
Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers - Building ID

By NOT TO SCALE Date _____

A



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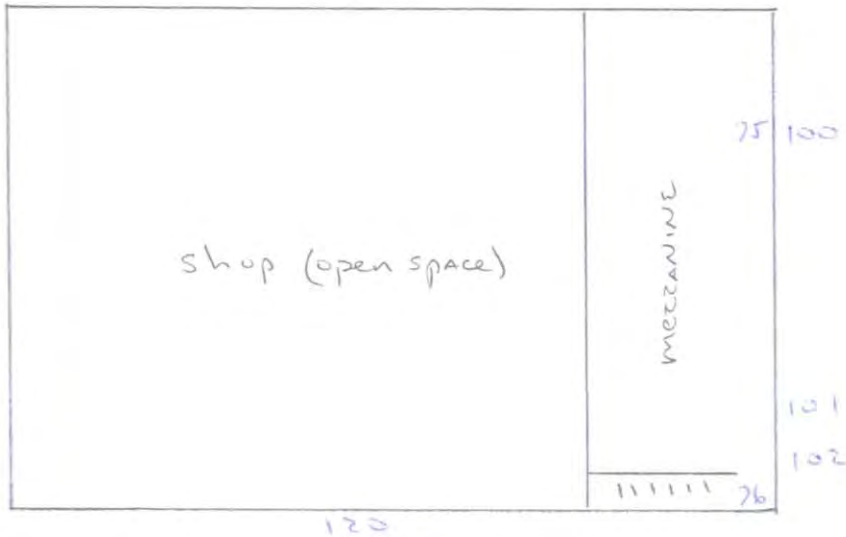

C

NORTH

Peer Engineering
7615 Golden Triangle Dr., Suite N
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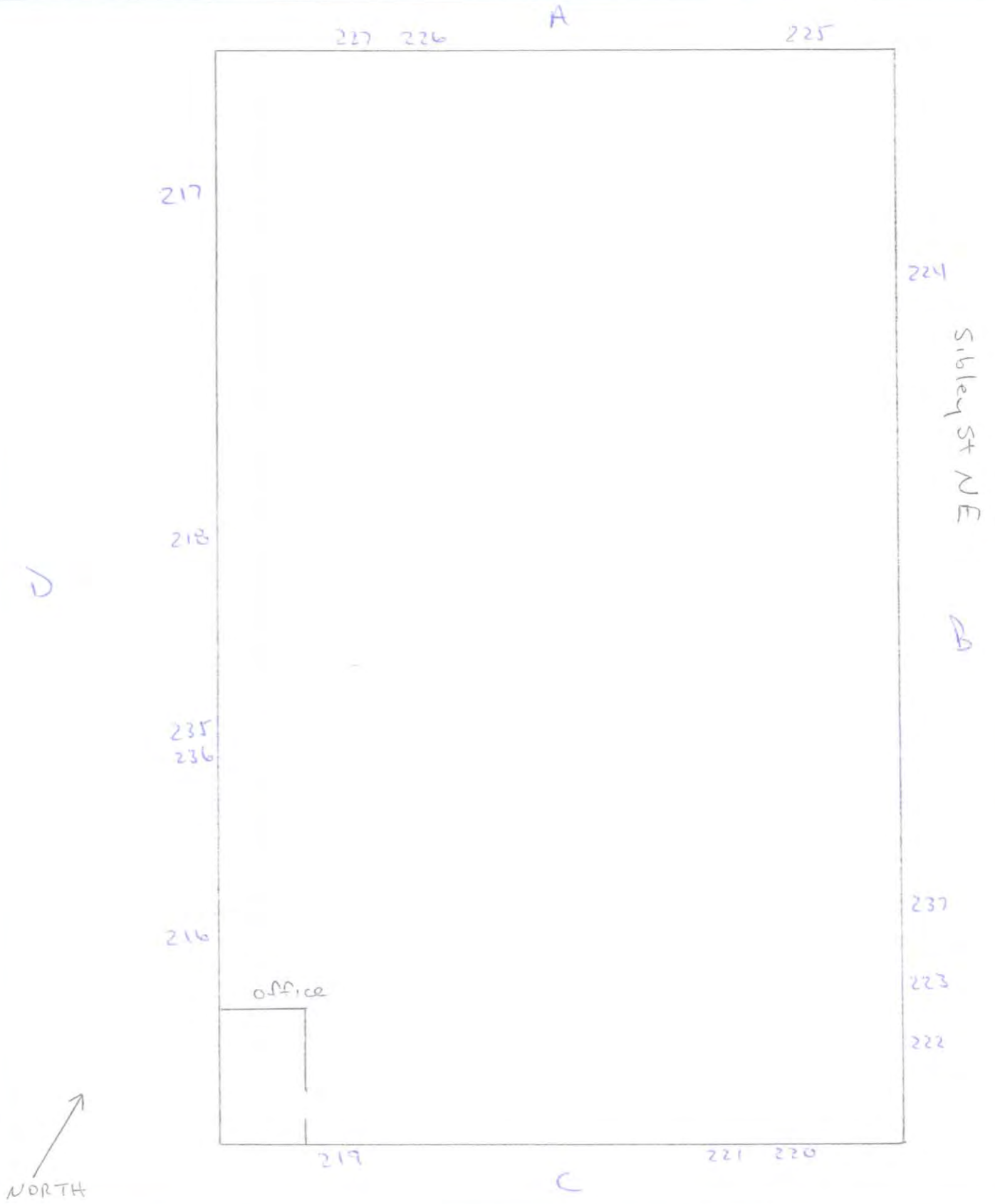
Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers - Building 5

By NOT TO SCALE Date _____



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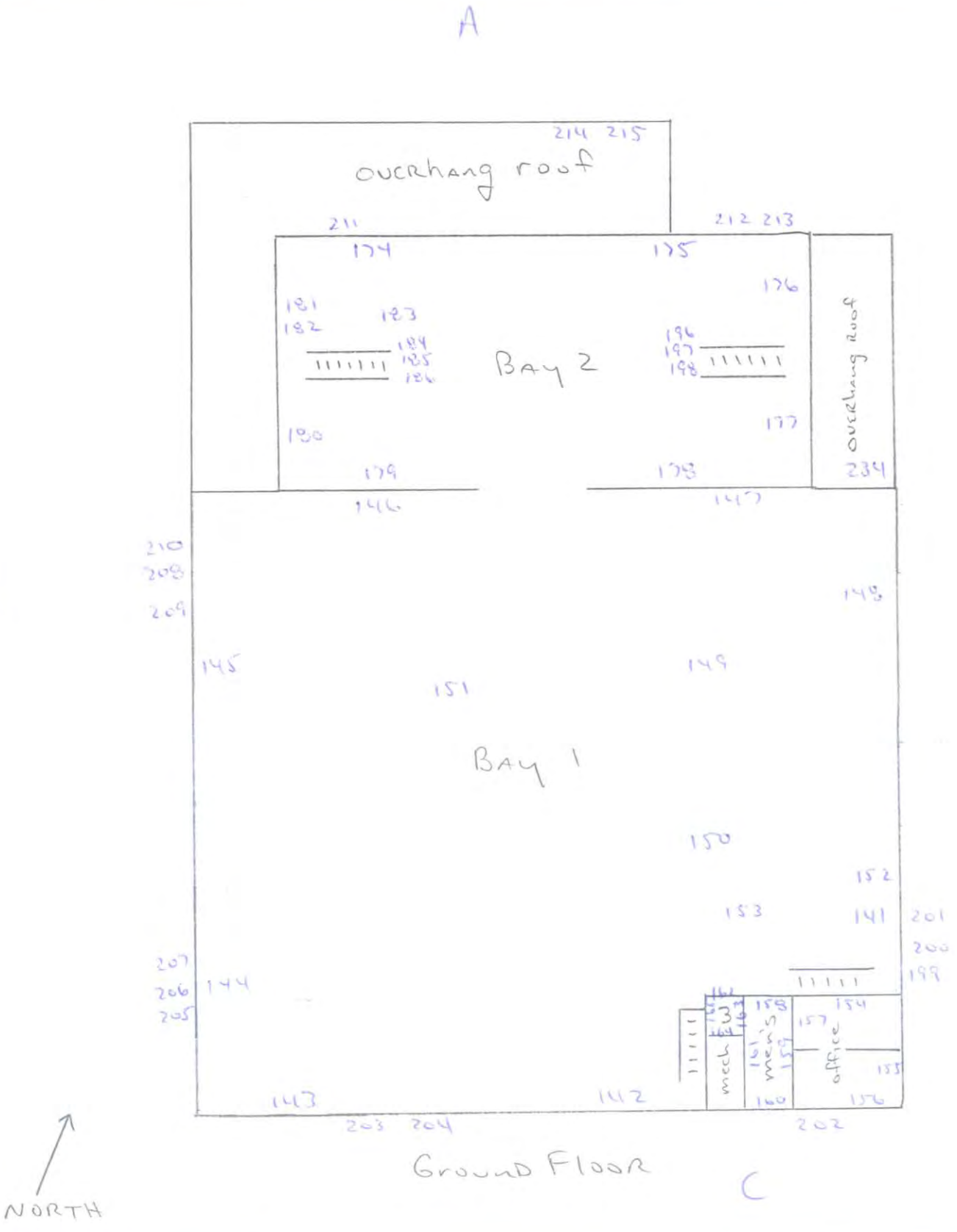
Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers - Building 6

By NOT TO SCALE Date _____



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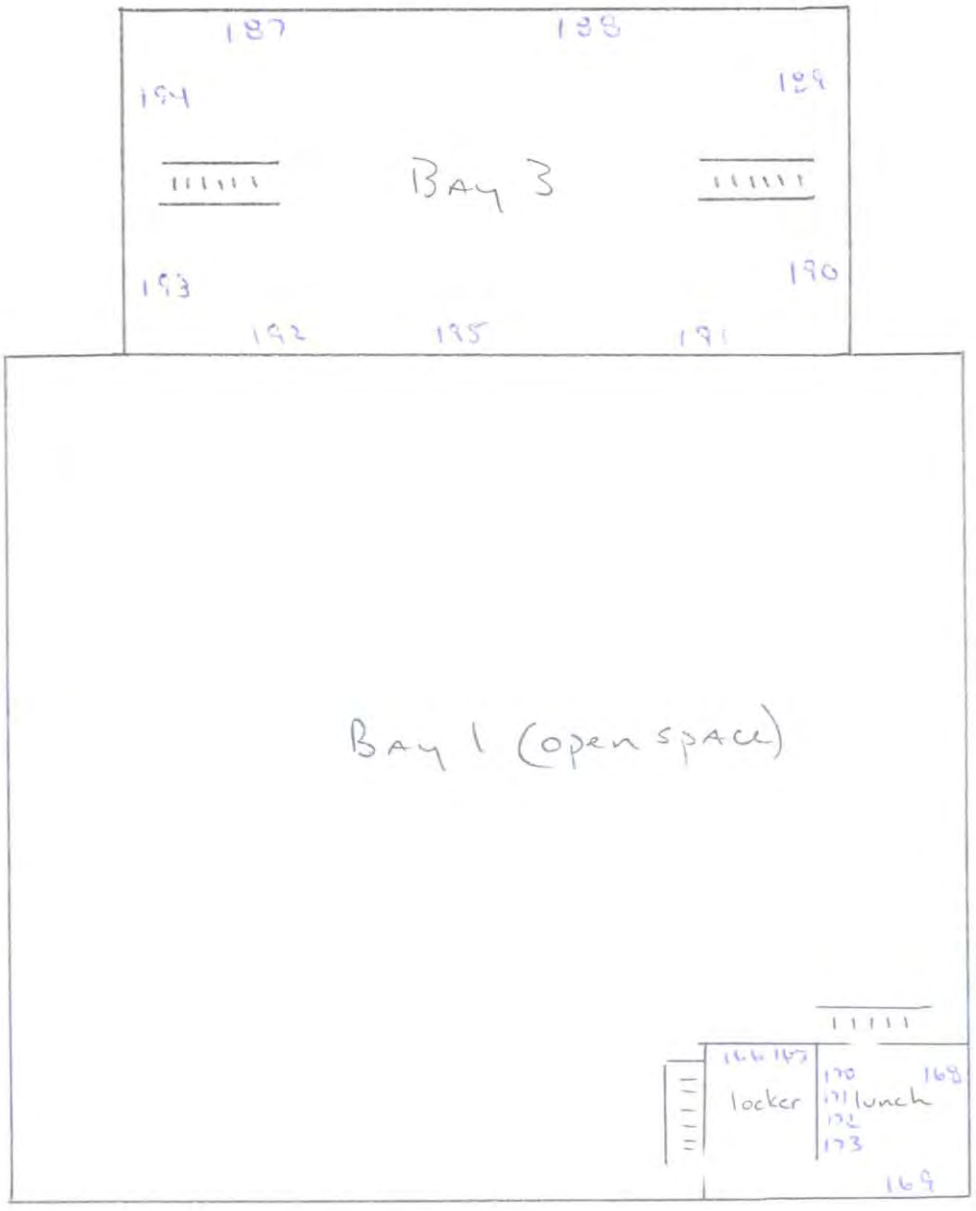
Project No. 20074 Sheet _____ of _____

Project Name Scherer Brothers - Building 6

By NOT TO SCALE Date _____

A



D

B

2nd Floor

C

NORTH

Peer Engineering
7615 Golden Triangle Dr., Suite N
Eden Prairie, MN 55344
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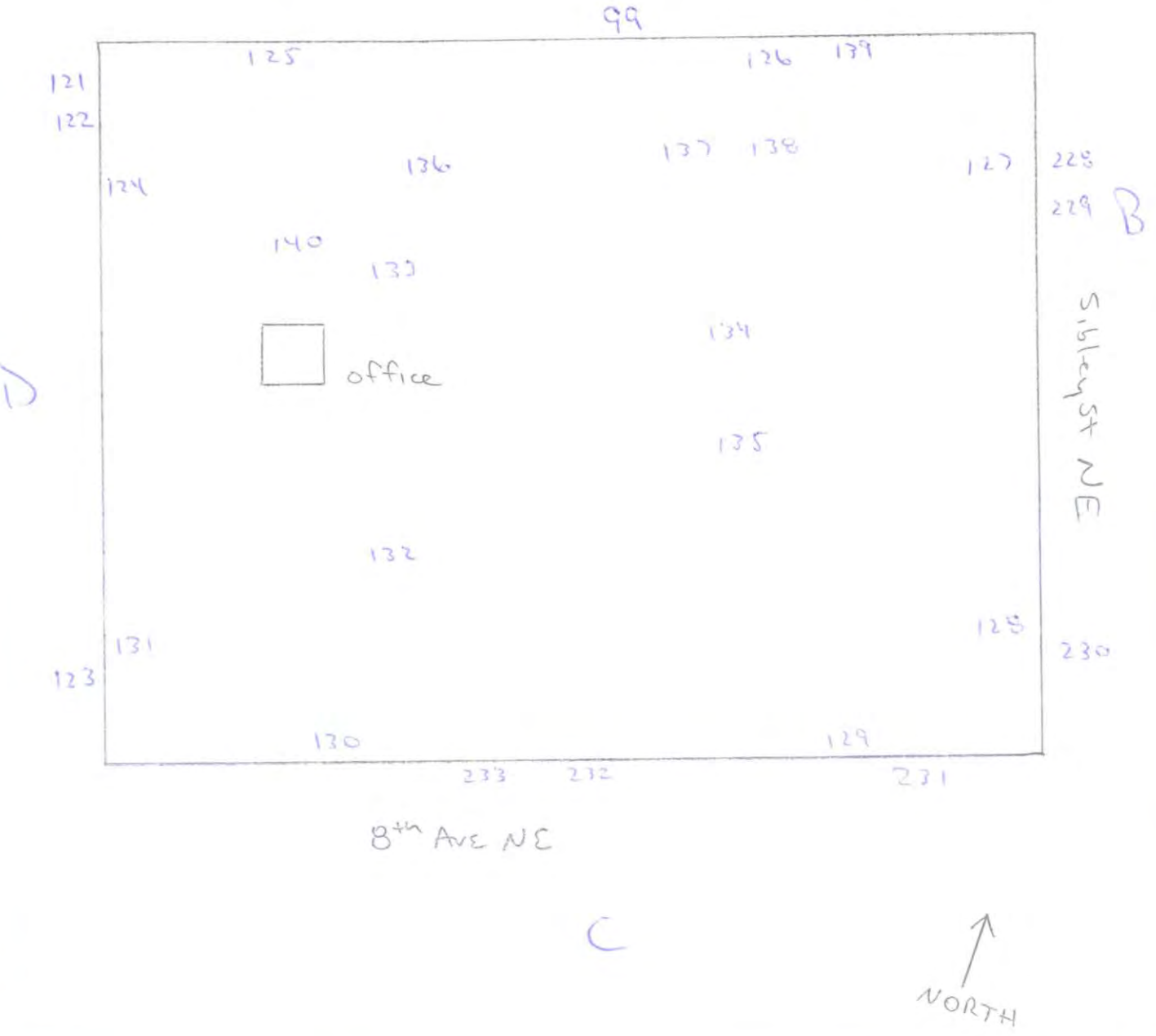
Project No. 20074 Sheet ____ of ____

Project Name Scherer Brothers - Building 9

By NOT TO SCALE Date ____



APPENDIX S

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-6508-1
Client Project/Site: Peer Engineering

For:
PEER Engineering, Inc.
7615 Golden Triangle
Suite N
Eden Prairie, Minnesota 55344

Attn: Robert Rykken

Melissa Deyo

Authorized for release by:
07/01/2011 10:54:29 AM
Melissa Deyo
Project Administrator
melissa.deyo@testamericainc.com

Designee for

Sally Hoffman
Project Manager II
sally.hoffman@testamericainc.com

Table of Contents

Client: PEER Engineering, Inc.
Project/Site: Peer Engineering

TestAmerica Job ID: 480-6508-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Job ID: 480-6508-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-6508-1

Receipt
All samples were received in good condition within temperature requirements.

GC Semi VOA
Method 8082: The following samples were diluted due to matrix effect: C-13 (480-6508-10) and C-14 (480-6508-11). Surrogate recoveries are not representative and elevated reporting limits (RLs) are provided.

Method 8082: The following samples had one surrogate outside recovery limits: (480-6508-1 MS) and (480-6508-1 MSD). However, the second surrogate recovery was within limits.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: PEER Engineering, Inc.
Project/Site: Peer Engineering

TestAmerica Job ID: 480-6508-1

Client Sample ID: C-1 — **Lab Sample ID: 480-6508-1**

No Detections.

Client Sample ID: C-2 — **Lab Sample ID: 480-6508-2**

No Detections.

Client Sample ID: C-4 — **Lab Sample ID: 480-6508-3**

No Detections.

Client Sample ID: C-6 — **Lab Sample ID: 480-6508-4**

No Detections.

Client Sample ID: C-8 — **Lab Sample ID: 480-6508-5**

No Detections.

Client Sample ID: C-9 — **Lab Sample ID: 480-6508-6**

No Detections.

Client Sample ID: C-10 — **Lab Sample ID: 480-6508-7**

No Detections.

Client Sample ID: C-11 — **Lab Sample ID: 480-6508-8**

No Detections.

Client Sample ID: C-12 — **Lab Sample ID: 480-6508-9**

No Detections.

Client Sample ID: C-13 — **Lab Sample ID: 480-6508-10**

No Detections.

Client Sample ID: C-14 — **Lab Sample ID: 480-6508-11**

No Detections.

Client Sample ID: C-15 — **Lab Sample ID: 480-6508-12**

No Detections.

Client Sample ID: C-1

Lab Sample ID: 480-6508-1

Date Collected: 06/23/11 00:00

Matrix: Solid

Date Received: 06/24/11 09:40

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		3100	610	ug/Kg		06/28/11 19:55	06/29/11 13:05	1
PCB-1221	ND		3100	610	ug/Kg		06/28/11 19:55	06/29/11 13:05	1
PCB-1232	ND		3100	610	ug/Kg		06/28/11 19:55	06/29/11 13:05	1
PCB-1242	ND		3100	680	ug/Kg		06/28/11 19:55	06/29/11 13:05	1
PCB-1248	ND		3100	610	ug/Kg		06/28/11 19:55	06/29/11 13:05	1
PCB-1254	ND		3100	660	ug/Kg		06/28/11 19:55	06/29/11 13:05	1
PCB-1260	ND		3100	1500	ug/Kg		06/28/11 19:55	06/29/11 13:05	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*34 - 148*	*06/28/11 19:55*	*06/29/11 13:05*	*1*
Tetrachloro-m-xylene	*116*		*35 - 134*	*06/28/11 19:55*	*06/29/11 13:05*	*1*

Client Sample ID: C-2

Lab Sample ID: 480-6508-2

Date Collected: 06/23/11 00:00

Matrix: Solid

Date Received: 06/24/11 09:40

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		2900	580	ug/Kg		06/28/11 19:55	06/29/11 13:50	1
PCB-1221	ND		2900	580	ug/Kg		06/28/11 19:55	06/29/11 13:50	1
PCB-1232	ND		2900	580	ug/Kg		06/28/11 19:55	06/29/11 13:50	1
PCB-1242	ND		2900	640	ug/Kg		06/28/11 19:55	06/29/11 13:50	1
PCB-1248	ND		2900	580	ug/Kg		06/28/11 19:55	06/29/11 13:50	1
PCB-1254	ND		2900	620	ug/Kg		06/28/11 19:55	06/29/11 13:50	1
PCB-1260	ND		2900	1400	ug/Kg		06/28/11 19:55	06/29/11 13:50	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*111*		*34 - 148*	*06/28/11 19:55*	*06/29/11 13:50*	*1*
Tetrachloro-m-xylene	*114*		*35 - 134*	*06/28/11 19:55*	*06/29/11 13:50*	*1*

Client Sample ID: C-4

Lab Sample ID: 480-6508-3

Date Collected: 06/23/11 00:00

Matrix: Solid

Date Received: 06/24/11 09:40

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		3100	610	ug/Kg		06/28/11 19:55	06/29/11 14:05	1
PCB-1221	ND		3100	610	ug/Kg		06/28/11 19:55	06/29/11 14:05	1
PCB-1232	ND		3100	610	ug/Kg		06/28/11 19:55	06/29/11 14:05	1
PCB-1242	ND		3100	680	ug/Kg		06/28/11 19:55	06/29/11 14:05	1
PCB-1248	ND		3100	610	ug/Kg		06/28/11 19:55	06/29/11 14:05	1
PCB-1254	ND		3100	660	ug/Kg		06/28/11 19:55	06/29/11 14:05	1
PCB-1260	ND		3100	1500	ug/Kg		06/28/11 19:55	06/29/11 14:05	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*34 - 148*	*06/28/11 19:55*	*06/29/11 14:05*	*1*
Tetrachloro-m-xylene	*113*		*35 - 134*	*06/28/11 19:55*	*06/29/11 14:05*	*1*

Client Sample ID: C-6

Lab Sample ID: 480-6508-4

Date Collected: 06/23/11 00:00

Matrix: Solid

Date Received: 06/24/11 09:40

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		2600	510	ug/Kg		06/28/11 19:55	06/29/11 14:19	1
PCB-1221	ND		2600	510	ug/Kg		06/28/11 19:55	06/29/11 14:19	1
PCB-1232	ND		2600	510	ug/Kg		06/28/11 19:55	06/29/11 14:19	1
PCB-1242	ND		2600	570	ug/Kg		06/28/11 19:55	06/29/11 14:19	1
PCB-1248	ND		2600	520	ug/Kg		06/28/11 19:55	06/29/11 14:19	1
PCB-1254	ND		2600	560	ug/Kg		06/28/11 19:55	06/29/11 14:19	1
PCB-1260	ND		2600	1200	ug/Kg		06/28/11 19:55	06/29/11 14:19	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*114*		*34 - 148*	*06/28/11 19:55*	*06/29/11 14:19*	*1*
Tetrachloro-m-xylene	*113*		*35 - 134*	*06/28/11 19:55*	*06/29/11 14:19*	*1*

Client Sample ID: C-8

Lab Sample ID: 480-6508-5

Date Collected: 06/23/11 00:00

Matrix: Solid

Date Received: 06/24/11 09:40

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		3600	700	ug/Kg		06/28/11 19:55	06/29/11 14:35	1
PCB-1221	ND		3600	700	ug/Kg		06/28/11 19:55	06/29/11 14:35	1
PCB-1232	ND		3600	700	ug/Kg		06/28/11 19:55	06/29/11 14:35	1
PCB-1242	ND		3600	780	ug/Kg		06/28/11 19:55	06/29/11 14:35	1
PCB-1248	ND		3600	700	ug/Kg		06/28/11 19:55	06/29/11 14:35	1
PCB-1254	ND		3600	750	ug/Kg		06/28/11 19:55	06/29/11 14:35	1
PCB-1260	ND		3600	1700	ug/Kg		06/28/11 19:55	06/29/11 14:35	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*34 - 148*	*06/28/11 19:55*	*06/29/11 14:35*	*1*
Tetrachloro-m-xylene	*119*		*35 - 134*	*06/28/11 19:55*	*06/29/11 14:35*	*1*

Client Sample ID: C-9

Lab Sample ID: 480-6508-6

Date Collected: 06/23/11 00:00

Matrix: Solid

Date Received: 06/24/11 09:40

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		3300	650	ug/Kg		06/28/11 19:55	06/29/11 14:50	1
PCB-1221	ND		3300	650	ug/Kg		06/28/11 19:55	06/29/11 14:50	1
PCB-1232	ND		3300	650	ug/Kg		06/28/11 19:55	06/29/11 14:50	1
PCB-1242	ND		3300	720	ug/Kg		06/28/11 19:55	06/29/11 14:50	1
PCB-1248	ND		3300	650	ug/Kg		06/28/11 19:55	06/29/11 14:50	1
PCB-1254	ND		3300	700	ug/Kg		06/28/11 19:55	06/29/11 14:50	1
PCB-1260	ND		3300	1600	ug/Kg		06/28/11 19:55	06/29/11 14:50	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*116*		*34 - 148*	*06/28/11 19:55*	*06/29/11 14:50*	*1*
Tetrachloro-m-xylene	*118*		*35 - 134*	*06/28/11 19:55*	*06/29/11 14:50*	*1*

Client Sample ID: C-10

Lab Sample ID: 480-6508-7

Date Collected: 06/23/11 00:00

Matrix: Solid

Date Received: 06/24/11 09:40

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		2800	540	ug/Kg		06/28/11 19:55	06/29/11 15:34	1
PCB-1221	ND		2800	540	ug/Kg		06/28/11 19:55	06/29/11 15:34	1
PCB-1232	ND		2800	540	ug/Kg		06/28/11 19:55	06/29/11 15:34	1
PCB-1242	ND		2800	600	ug/Kg		06/28/11 19:55	06/29/11 15:34	1
PCB-1248	ND		2800	550	ug/Kg		06/28/11 19:55	06/29/11 15:34	1
PCB-1254	ND		2800	590	ug/Kg		06/28/11 19:55	06/29/11 15:34	1
PCB-1260	ND		2800	1300	ug/Kg		06/28/11 19:55	06/29/11 15:34	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*113*		*34 - 148*	*06/28/11 19:55*	*06/29/11 15:34*	*1*
Tetrachloro-m-xylene	*110*		*35 - 134*	*06/28/11 19:55*	*06/29/11 15:34*	*1*

Client Sample ID: C-11

Lab Sample ID: 480-6508-8

Date Collected: 06/23/11 00:00

Matrix: Solid

Date Received: 06/24/11 09:40

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		4200	820	ug/Kg		06/28/11 19:55	06/29/11 15:49	1
PCB-1221	ND		4200	820	ug/Kg		06/28/11 19:55	06/29/11 15:49	1
PCB-1232	ND		4200	820	ug/Kg		06/28/11 19:55	06/29/11 15:49	1
PCB-1242	ND		4200	910	ug/Kg		06/28/11 19:55	06/29/11 15:49	1
PCB-1248	ND		4200	820	ug/Kg		06/28/11 19:55	06/29/11 15:49	1
PCB-1254	ND		4200	880	ug/Kg		06/28/11 19:55	06/29/11 15:49	1
PCB-1260	ND		4200	2000	ug/Kg		06/28/11 19:55	06/29/11 15:49	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*113*		*34 - 148*	*06/28/11 19:55*	*06/29/11 15:49*	*1*
Tetrachloro-m-xylene	*110*		*35 - 134*	*06/28/11 19:55*	*06/29/11 15:49*	*1*

Client Sample ID: C-12

Lab Sample ID: 480-6508-9

Date Collected: 06/23/11 00:00

Matrix: Solid

Date Received: 06/24/11 09:40

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		3800	750	ug/Kg		06/28/11 19:55	06/29/11 16:04	1
PCB-1221	ND		3800	750	ug/Kg		06/28/11 19:55	06/29/11 16:04	1
PCB-1232	ND		3800	750	ug/Kg		06/28/11 19:55	06/29/11 16:04	1
PCB-1242	ND		3800	840	ug/Kg		06/28/11 19:55	06/29/11 16:04	1
PCB-1248	ND		3800	750	ug/Kg		06/28/11 19:55	06/29/11 16:04	1
PCB-1254	ND		3800	810	ug/Kg		06/28/11 19:55	06/29/11 16:04	1
PCB-1260	ND		3800	1800	ug/Kg		06/28/11 19:55	06/29/11 16:04	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*117*		*34 - 148*	*06/28/11 19:55*	*06/29/11 16:04*	*1*
Tetrachloro-m-xylene	*112*		*35 - 134*	*06/28/11 19:55*	*06/29/11 16:04*	*1*

Client Sample ID: C-13

Lab Sample ID: 480-6508-10

Date Collected: 06/23/11 00:00

Matrix: Solid

Date Received: 06/24/11 09:40

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		28000	5400	ug/Kg		06/28/11 19:55	06/29/11 16:19	10
PCB-1221	ND		28000	5400	ug/Kg		06/28/11 19:55	06/29/11 16:19	10
PCB-1232	ND		28000	5400	ug/Kg		06/28/11 19:55	06/29/11 16:19	10
PCB-1242	ND		28000	6000	ug/Kg		06/28/11 19:55	06/29/11 16:19	10
PCB-1248	ND		28000	5500	ug/Kg		06/28/11 19:55	06/29/11 16:19	10
PCB-1254	ND		28000	5900	ug/Kg		06/28/11 19:55	06/29/11 16:19	10
PCB-1260	ND		28000	13000	ug/Kg		06/28/11 19:55	06/29/11 16:19	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*34*		*34 - 148*	*06/28/11 19:55*	*06/29/11 16:19*	*10*
Tetrachloro-m-xylene	*150*	*X*	*35 - 134*	*06/28/11 19:55*	*06/29/11 16:19*	*10*

Client Sample ID: C-14

Lab Sample ID: 480-6508-11

Date Collected: 06/23/11 00:00

Matrix: Solid

Date Received: 06/24/11 09:40

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		290000	58000	ug/Kg		06/28/11 21:58	06/29/11 16:33	100
PCB-1221	ND		290000	58000	ug/Kg		06/28/11 21:58	06/29/11 16:33	100
PCB-1232	ND		290000	58000	ug/Kg		06/28/11 21:58	06/29/11 16:33	100
PCB-1242	ND		290000	64000	ug/Kg		06/28/11 21:58	06/29/11 16:33	100
PCB-1248	ND		290000	58000	ug/Kg		06/28/11 21:58	06/29/11 16:33	100
PCB-1254	ND		290000	62000	ug/Kg		06/28/11 21:58	06/29/11 16:33	100
PCB-1260	ND		290000	140000	ug/Kg		06/28/11 21:58	06/29/11 16:33	100

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*-915*	*X*	*34 - 148*	*06/28/11 21:58*	*06/29/11 16:33*	*100*
Tetrachloro-m-xylene	*467*	*X*	*35 - 134*	*06/28/11 21:58*	*06/29/11 16:33*	*100*

Client Sample ID: C-15

Lab Sample ID: 480-6508-12

Date Collected: 06/23/11 00:00

Matrix: Solid

Date Received: 06/24/11 09:40

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		3100	610	ug/Kg		06/28/11 21:58	06/29/11 16:48	1
PCB-1221	ND		3100	610	ug/Kg		06/28/11 21:58	06/29/11 16:48	1
PCB-1232	ND		3100	610	ug/Kg		06/28/11 21:58	06/29/11 16:48	1
PCB-1242	ND		3100	680	ug/Kg		06/28/11 21:58	06/29/11 16:48	1
PCB-1248	ND		3100	610	ug/Kg		06/28/11 21:58	06/29/11 16:48	1
PCB-1254	ND		3100	660	ug/Kg		06/28/11 21:58	06/29/11 16:48	1
PCB-1260	ND		3100	1500	ug/Kg		06/28/11 21:58	06/29/11 16:48	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*112*		*34 - 148*	*06/28/11 21:58*	*06/29/11 16:48*	*1*
Tetrachloro-m-xylene	*110*		*35 - 134*	*06/28/11 21:58*	*06/29/11 16:48*	*1*

Surrogate Summary

Client: PEER Engineering, Inc.
Project/Site: Peer Engineering

TestAmerica Job ID: 480-6508-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	DCB2 (34-148)	TCX2 (35-134)										
480-6508-1	C-1	105	116										
480-6508-1 MS	C-1	166 X	121										
480-6508-1 MSD	C-1	105	139 X										
480-6508-2	C-2	111	114										
480-6508-3	C-4	115	113										
480-6508-4	C-6	114	113										
480-6508-5	C-8	115	119										
480-6508-6	C-9	116	118										
480-6508-7	C-10	113	110										
480-6508-8	C-11	113	110										
480-6508-9	C-12	117	112										
480-6508-10	C-13	34	150 X										
480-6508-11	C-14	-915 X	467 X										
480-6508-12	C-15	112	110										
LCS 480-21893/2-A	Lab Control Sample	124	123										
MB 480-21893/1-A	Method Blank	111	113										

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-21893/1-A
Matrix: Solid
Analysis Batch: 21988

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21893

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		2800	540	ug/Kg		06/28/11 19:55	06/29/11 12:20	1
PCB-1221	ND		2800	540	ug/Kg		06/28/11 19:55	06/29/11 12:20	1
PCB-1232	ND		2800	540	ug/Kg		06/28/11 19:55	06/29/11 12:20	1
PCB-1242	ND		2800	600	ug/Kg		06/28/11 19:55	06/29/11 12:20	1
PCB-1248	ND		2800	550	ug/Kg		06/28/11 19:55	06/29/11 12:20	1
PCB-1254	ND		2800	590	ug/Kg		06/28/11 19:55	06/29/11 12:20	1
PCB-1260	ND		2800	1300	ug/Kg		06/28/11 19:55	06/29/11 12:20	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*111*		*34 - 148*	*06/28/11 19:55*	*06/29/11 12:20*	*1*
Tetrachloro-m-xylene	*113*		*35 - 134*	*06/28/11 19:55*	*06/29/11 12:20*	*1*

Lab Sample ID: LCS 480-21893/2-A
Matrix: Solid
Analysis Batch: 21988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21893

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
PCB-1016	38500	51400		ug/Kg		134	59 - 154
PCB-1260	38500	50400		ug/Kg		131	51 - 179

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*124*		*34 - 148*
Tetrachloro-m-xylene	*123*		*35 - 134*

Lab Sample ID: 480-6508-1 MS
Matrix: Solid
Analysis Batch: 21988

Client Sample ID: C-1
Prep Type: Total/NA
Prep Batch: 21893

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
PCB-1016	ND		31300	35900		ug/Kg		115	59 - 154
PCB-1260	ND		31300	41900		ug/Kg		134	51 - 179

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*166*	*X*	*34 - 148*
Tetrachloro-m-xylene	*121*		*35 - 134*

Lab Sample ID: 480-6508-1 MSD
Matrix: Solid
Analysis Batch: 21988

Client Sample ID: C-1
Prep Type: Total/NA
Prep Batch: 21893

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
PCB-1016	ND		45500	56900		ug/Kg		125	59 - 154	45	50
PCB-1260	ND		45500	50800		ug/Kg		112	51 - 179	19	50

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*105*		*34 - 148*
Tetrachloro-m-xylene	*139*	*X*	*35 - 134*

GC Semi VOA

Prep Batch: 21893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-21893/1-A	Method Blank	Total/NA	Solid	3550B	
LCS 480-21893/2-A	Lab Control Sample	Total/NA	Solid	3550B	
480-6508-1 MS	C-1	Total/NA	Solid	3550B	
480-6508-1 MSD	C-1	Total/NA	Solid	3550B	
480-6508-1	C-1	Total/NA	Solid	3550B	
480-6508-2	C-2	Total/NA	Solid	3550B	
480-6508-3	C-4	Total/NA	Solid	3550B	
480-6508-4	C-6	Total/NA	Solid	3550B	
480-6508-5	C-8	Total/NA	Solid	3550B	
480-6508-6	C-9	Total/NA	Solid	3550B	
480-6508-7	C-10	Total/NA	Solid	3550B	
480-6508-8	C-11	Total/NA	Solid	3550B	
480-6508-9	C-12	Total/NA	Solid	3550B	
480-6508-10	C-13	Total/NA	Solid	3550B	
480-6508-11	C-14	Total/NA	Solid	3550B	
480-6508-12	C-15	Total/NA	Solid	3550B	

Analysis Batch: 21988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-21893/1-A	Method Blank	Total/NA	Solid	8082	21893
LCS 480-21893/2-A	Lab Control Sample	Total/NA	Solid	8082	21893
480-6508-1	C-1	Total/NA	Solid	8082	21893
480-6508-1 MS	C-1	Total/NA	Solid	8082	21893
480-6508-1 MSD	C-1	Total/NA	Solid	8082	21893
480-6508-2	C-2	Total/NA	Solid	8082	21893
480-6508-3	C-4	Total/NA	Solid	8082	21893
480-6508-4	C-6	Total/NA	Solid	8082	21893
480-6508-5	C-8	Total/NA	Solid	8082	21893
480-6508-6	C-9	Total/NA	Solid	8082	21893
480-6508-7	C-10	Total/NA	Solid	8082	21893
480-6508-8	C-11	Total/NA	Solid	8082	21893
480-6508-9	C-12	Total/NA	Solid	8082	21893
480-6508-10	C-13	Total/NA	Solid	8082	21893
480-6508-11	C-14	Total/NA	Solid	8082	21893
480-6508-12	C-15	Total/NA	Solid	8082	21893

Lab Chronicle

Client: PEER Engineering, Inc.
Project/Site: Peer Engineering

TestAmerica Job ID: 480-6508-1

Client Sample ID: C-1
Lab Sample ID: 480-6508-1
Matrix: Solid
Date Collected: 06/23/11 00:00
Date Received: 06/24/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			21893	06/28/11 19:55	LT	TAL BUF
Total/NA	Analysis	8082		1	21988	06/29/11 13:05	JM	TAL BUF

Client Sample ID: C-2
Lab Sample ID: 480-6508-2
Matrix: Solid
Date Collected: 06/23/11 00:00
Date Received: 06/24/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			21893	06/28/11 19:55	LT	TAL BUF
Total/NA	Analysis	8082		1	21988	06/29/11 13:50	JM	TAL BUF

Client Sample ID: C-4
Lab Sample ID: 480-6508-3
Matrix: Solid
Date Collected: 06/23/11 00:00
Date Received: 06/24/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			21893	06/28/11 19:55	LT	TAL BUF
Total/NA	Analysis	8082		1	21988	06/29/11 14:05	JM	TAL BUF

Client Sample ID: C-6
Lab Sample ID: 480-6508-4
Matrix: Solid
Date Collected: 06/23/11 00:00
Date Received: 06/24/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			21893	06/28/11 19:55	LT	TAL BUF
Total/NA	Analysis	8082		1	21988	06/29/11 14:19	JM	TAL BUF

Client Sample ID: C-8
Lab Sample ID: 480-6508-5
Matrix: Solid
Date Collected: 06/23/11 00:00
Date Received: 06/24/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			21893	06/28/11 19:55	LT	TAL BUF
Total/NA	Analysis	8082		1	21988	06/29/11 14:35	JM	TAL BUF

Client Sample ID: C-9
Lab Sample ID: 480-6508-6
Matrix: Solid
Date Collected: 06/23/11 00:00
Date Received: 06/24/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			21893	06/28/11 19:55	LT	TAL BUF
Total/NA	Analysis	8082		1	21988	06/29/11 14:50	JM	TAL BUF

Lab Chronicle

Client: PEER Engineering, Inc.
Project/Site: Peer Engineering

TestAmerica Job ID: 480-6508-1

Client Sample ID: C-10
Lab Sample ID: 480-6508-7
Date Collected: 06/23/11 00:00
Matrix: Solid
Date Received: 06/24/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			21893	06/28/11 19:55	LT	TAL BUF
Total/NA	Analysis	8082		1	21988	06/29/11 15:34	JM	TAL BUF

Client Sample ID: C-11
Lab Sample ID: 480-6508-8
Date Collected: 06/23/11 00:00
Matrix: Solid
Date Received: 06/24/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			21893	06/28/11 19:55	LT	TAL BUF
Total/NA	Analysis	8082		1	21988	06/29/11 15:49	JM	TAL BUF

Client Sample ID: C-12
Lab Sample ID: 480-6508-9
Date Collected: 06/23/11 00:00
Matrix: Solid
Date Received: 06/24/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			21893	06/28/11 19:55	LT	TAL BUF
Total/NA	Analysis	8082		1	21988	06/29/11 16:04	JM	TAL BUF

Client Sample ID: C-13
Lab Sample ID: 480-6508-10
Date Collected: 06/23/11 00:00
Matrix: Solid
Date Received: 06/24/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			21893	06/28/11 19:55	LT	TAL BUF
Total/NA	Analysis	8082		10	21988	06/29/11 16:19	JM	TAL BUF

Client Sample ID: C-14
Lab Sample ID: 480-6508-11
Date Collected: 06/23/11 00:00
Matrix: Solid
Date Received: 06/24/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			21893	06/28/11 21:58	LT	TAL BUF
Total/NA	Analysis	8082		100	21988	06/29/11 16:33	JM	TAL BUF

Client Sample ID: C-15
Lab Sample ID: 480-6508-12
Date Collected: 06/23/11 00:00
Matrix: Solid
Date Received: 06/24/11 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			21893	06/28/11 21:58	LT	TAL BUF
Total/NA	Analysis	8082		1	21988	06/29/11 16:48	JM	TAL BUF

Lab Chronicle

Client: PEER Engineering, Inc.

TestAmerica Job ID: 480-6508-1

Project/Site: Peer Engineering

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: PEER Engineering, Inc.
Project/Site: Peer Engineering

TestAmerica Job ID: 480-6508-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	USDA		P330-08-00242
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	West Virginia	West Virginia DEP	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: PEER Engineering, Inc.
Project/Site: Peer Engineering

TestAmerica Job ID: 480-6508-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: PEER Engineering, Inc.
Project/Site: Peer Engineering

TestAmerica Job ID: 480-6508-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-6508-1	C-1	Solid	06/23/11 00:00	06/24/11 09:40
480-6508-2	C-2	Solid	06/23/11 00:00	06/24/11 09:40
480-6508-3	C-4	Solid	06/23/11 00:00	06/24/11 09:40
480-6508-4	C-6	Solid	06/23/11 00:00	06/24/11 09:40
480-6508-5	C-8	Solid	06/23/11 00:00	06/24/11 09:40
480-6508-6	C-9	Solid	06/23/11 00:00	06/24/11 09:40
480-6508-7	C-10	Solid	06/23/11 00:00	06/24/11 09:40
480-6508-8	C-11	Solid	06/23/11 00:00	06/24/11 09:40
480-6508-9	C-12	Solid	06/23/11 00:00	06/24/11 09:40
480-6508-10	C-13	Solid	06/23/11 00:00	06/24/11 09:40
480-6508-11	C-14	Solid	06/23/11 00:00	06/24/11 09:40
480-6508-12	C-15	Solid	06/23/11 00:00	06/24/11 09:40

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Watertown Division
802 Commerce Drive
Watertown, WI 53094

Phone 920-261-1660 or 800-833-7036
Fax 920-261-8120

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes? (Y) N
Compliance Monitoring

Client Name: Peer Engineering Client #:
Address: 7615 Golden Triangle Drive
City/State/Zip Code: Eden Prairie MN 55344
Project Manager: Bob Rykken
Telephone Number: 952-697-0566 Fax:
Sampler Name: (Print Name) Bob Rykken
Sampler Signature: BRyk

Project Name: MPRB - Scherer Bros.
Project #: 20074
Site/Location ID: Minneapolis State: MN
Report To: SAME
Invoice To: SAME
Quote #: PO#:

E-mail address: rrykken@peerengineering.com

TAT
___ Standard
___ Rush (surcharges may apply)
Date Needed:
Fax Results: Y N
E-mail: (Y) N

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other:

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW Groundwater, S Soil/Solid, WW Wastewater, Specify Other	Preservation & # of Containers: HNO3	HCl	NaOH	H2SO4	Methanol	None	Other (Specify)	Analyze For: PCBs in caulk	REMARKS
C-1	6-23-11		G								1		X	
C-2											1		X	
C-4											1		X	
C-6											1		X	
C-8											1		X	
C-9											1		X	
C-10											1		X	
C-11											1		X	
C-12											1		X	
C-13											1		X	

Special Instructions: 5 day TAT - No Rush Charge

Relinquished By: BRyk	Date: 6-23-11	Time: 4:30	Received By: Bob Buttery	Date: 6/23/11	Time: 4:30
Relinquished By: Bob Buttery	Date: 6-23-11	Time: 17:00	Received By:	Date: 6-24-11	Time: 9AM
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 3.4°
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment:

TAL-0020 (1207)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone 920-261-1660 or 800-833-7036
Fax 920-261-8120

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes? (P)
Compliance Monitoring

Client Name: Peer Engineering
Client #:
Address:
City/State/Zip Code: Eden Prairie MN
Project Manager: Bob Rykken
Telephone Number:
Fax:
Sampler Name. (Print Name): Bob Rykken
Sampler Signature: B Ryk
E-mail address:

Project Name: MPRR - Scherer Bros
Project #: 20074
Site/Location ID:
State:
Report To:
Invoice To:
Quote #:
PO#

TAT
___ Standard
___ Rush (surcharges may apply)
Date Needed:
Fax Results: Y N
E-mail: (Y) N

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other

SAMPLE ID	Date Sampled	Time Sampled	C = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, OW - Drinking Water, GW - Groundwater, S Soil/Solid, WW Wastewater, Specify Other	Preservation & # of Containers: HNO3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: PCBs in Caulk	REMARKS
C-14	6-23-11		G								1		X	
C-15	↓		G								1		X	

Special Instructions:
5 day TAT no Rush Charge.

Relinquished By: B Ryk	6-23-11	4:30	Received By: Bob Rykken	6-23-11	4:30	
Relinquished By: Bob Rykken	6-23	17:45	Received By:	6-24-11	0900	
Relinquished By:	Date	Time	Received By	Date:	Time:	

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp: 3, 4°
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment:

TAL-0020 (1207)

Login Sample Receipt Checklist

Client: PEER Engineering, Inc.

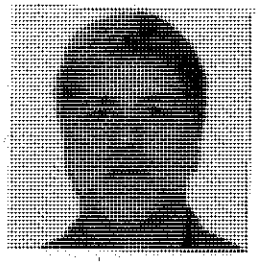
Job Number: 480-6508-1

Login Number: 6508
List Number: 2
Creator: Wienke, Robert

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	False	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

APPENDIX T



Director, Env. Health Div.

MDH LEAD
Risk Assessor

Licensed by:
State of Minnesota
Department of Health

License No. LR188
Expires 02/04/2012

Kelly W Brown
4780 154th Ln NW
Ramsey, MN 55303

MDH ASBESTOS INSPECTOR

Certified by:
State of Minnesota
Department of Health
Expires: 06/15/2011

Kelly W Brown
4780 154th Ln NW
Ramsey, MN 55303

Director, Env. Health Div.

No. AI3036 Issued: 06/22/2010

MDH LEAD Risk Assessor

Licensed by:
State of Minnesota
Department of Health

License No. LR188
Expires 02/10/2011

Kelly W Brown
4780 154th Ln NW
Ramsey, MN 55303

Director, Env. Health Div.

MDH **ASBESTOS MANAGEMENT PLANNER**

Certified by:
State of Minnesota
Department of Health
Expires: 06/15/2011

Kelly W Brown
4780 154th Ln NW
Ramsey, MN 55303

Director, Env. Health Div.

No. AM3036 Issued: 06/22/2010