



**John Deere Building  
Saskatoon, SK.**



**Asbestos Survey Report  
February 2015**

**Prepared For:** City of Saskatoon Infrastructure Services - Facilities Branch  
3130 Laurier Drive, Saskatoon, SK.  
Attn: Brent Anderson

**Prepared By:** Bersch & Associates Ltd.  
**Project No. :** B67SRB05

## 1.0 EXECUTIVE SUMMARY

The survey of the John Deere Building located at 450 Ontario Avenue in Saskatoon, Saskatchewan entailed the inspection of all accessible suspect asbestos containing material (ACM) located throughout the facility. Materials inspected included mechanical insulating material, cement drain pipe, fire stop material, brick cement mortar, vinyl sheet flooring, wallboard, vinyl floor tile, ceiling tile, stipple ceiling texture and wall insulation material.

Bulk sample analysis results indicate the presence of “Chrysotile” asbestos within the John Deere Building located in Saskatoon, SK. Please refer to *Appendix I for Bulk Sample Analysis* results.

The recommended actions to be implemented in reference to the ACM identified are Repair, Remove and Management. Refer to Section 5 Asbestos Abatement Discussion for definitions. It should be noted that the recommendation of “Management” as part of the asbestos action plan is based upon the premise that renovations are not scheduled throughout the area that would impact the asbestos containing material present. *Prior to any major renovation/demolition activity, a destructive investigation is recommended to identify any inaccessible ACM that is physically concealed or isolated in areas such as enclosed wall/ceiling/floor cavities and pipe chases. Further testing of drywall mud compound may also be required prior to renovation.* Asbestos was detected in the following forms throughout the facility:

- **Pipeline Fitting Asbestos Mud Compound and Lineal Asbestos Pipe Insulation** were identified within various locations of the John Deere Building. Several areas were observed in poor condition which require remediation.
- **Asbestos Cement (Transite) Drain Pipe** was identified within Room 001 located on the Basement Level of the facility. Removal of the remaining one-foot section is recommended.
- **Vinyl Asbestos Sheet Flooring** is located on the Main Floor of the facility. Due to the poor condition of the sheet flooring in several areas, remediation is required. Please refer to Appendix III for the locations on the floor plans.
- **9" x 9" Vinyl Asbestos Floor Tile** was identified within Storage Room 114. The flooring was observed in good condition with no further action required. Please refer to Appendix III for the location on the floor plans.
- **The Block Walls** throughout the facility were inspected for Vermiculite content as some forms of Vermiculite do contain asbestos. No Vermiculite was observed during the asbestos inspection activity. However, a thorough destructive investigation is recommended prior to demolition activity to ensure the absence of vermiculite asbestos material.

Throughout the survey of the John Deere Building, the Asbestos Containing Materials were assessed and given a Priority Rating of One, Two or Three, with "Priority One" being the items requiring the most immediate attention. See the **Survey Spreadsheet Database** in *Appendix II* for a room-by-room account.

Bersch & Associates Ltd. implemented the use of doorjamb labels that are applied to all the doorjambs of the rooms containing asbestos within the facility. This permits anyone accessing the room to easily identify the ACM present without having to reference the written report. Legends providing explanation of the abbreviations used on doorjambs were placed on the backside of all maintenance/custodial doors within the facility. Employees and contractors will use the legend as a reference to identify ACM within the areas they are working.

## **2.0 INTRODUCTION**

Bersch & Associates Ltd. was retained by the City of Saskatoon to conduct an Asbestos Survey and Hazard Assessment of the John Deere Building located in Saskatoon, SK. The survey entailed the inspection of all accessible areas of the facility; including ceiling spaces and pipe chases. The purpose of the survey was to locate, identify and assess the condition of all Asbestos Containing Materials (ACM) located throughout the facility. This report gives a detailed account of the inspection results and our firm's recommendations on control options to be implemented to bring the facility in compliance with the Province of Saskatchewan Occupational Health and Safety Act and Regulations. Bersch & Associates Ltd. conducted the survey in February 2015. A review of this report shall be conducted with all trades that are entering the facility to perform maintenance or renovation activity. This will ensure they are familiar with the types and locations of asbestos-containing materials present and prevent any uncontrolled disturbance and/or possible exposure to asbestos.

## **3.0 METHODOLOGY**

Bersch & Associates Ltd. conducted the survey of the John Deere Building located at 450 Ontario Avenue, Saskatoon, Saskatchewan in February of 2015. The primary documents for guidance and criteria in this survey were the Province of Saskatchewan "Occupational Health and Safety Act and Regulations, 1996", Province of Saskatchewan "Managing Asbestos", and the U.S. Environmental Protection Agency "Guidance for Controlling Asbestos Containing Materials in Buildings". The USEPA document identifies factors associated with the "condition" and the "potential for disturbance or erosion" of asbestos containing materials (ACM). These factors help to determine potential for exposure to ACM and were used to make a qualitative evaluation of the material. It should be noted that the recommendation of "Management" Asbestos Abatement Action is based upon the premise that renovations are not scheduled in that area that will require disturbing or violating the asbestos containing material. In the event that renovations are scheduled that impact upon the areas of asbestos containing material then pre-removal of the asbestos containing materials may be necessary.

In total, twenty-nine (29) bulk samples of suspect asbestos-containing materials were collected throughout the facility. Chrysotile asbestos was identified in eleven (11) of the samples collected. Refer to Appendix I for a copy of the Bulk Sample Analysis Report. All bulk samples collected were analyzed by Bersch & Associates Ltd. laboratory in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as <1% by volume.

## 4.0 RECOMMENDATIONS:

Throughout the survey of the John Deere Building, the Asbestos Containing Materials were assessed and given a Priority Rating of One, Two or Three, with Priority One being the items requiring the most immediate attention. As a result, "Priority One" items were identified in the forms of Pipeline Fitting compound, Lineal Pipe Insulation and Vinyl Asbestos Sheet Flooring located within the facility. Future planning should begin to address these areas as per the recommendations provided in the attached **Asbestos Survey Database found in Appendix II**. Priority Ratings for all other ACM identified is also found in the database on a room-by-room account.

## 5.0 ASBESTOS ABATEMENT DISCUSSION

Asbestos is a known carcinogen and is listed in the Province of Saskatchewan under the Occupational Health and Safety Appendix, Part V as a Hazardous Chemical Substance and any release of asbestos fibres into the atmosphere creates a potential health hazard. Although the mechanism and epidemiology of asbestos carcinogenesis is not yet well defined, accumulating evidence suggests the significance of exposure at even very low fibre concentrations and hence human exposure should be kept to a minimum. It should be noted however that asbestos is a natural mineral and a measurable background concentration can be detected in any location sampled (inside buildings, outside buildings, urban, rural, etc.). The recommendations of the report are therefore intended to keep the potential exposure to an absolute minimum with the knowledge that a zero exposure is not possible.

Asbestos containing materials have been used in a wide variety of applications. Of particular concern, is the group of so called friable products. A friable product is one that can be crumbled or reduced to powder or smaller fragments by hand pressure. Publications from the U.S.E.P.A. as early as 1977 have indicated the potential hazard of asbestos exposure in buildings containing these friable products. The two main uses of friable asbestos products are as spray insulation (thermal, acoustic or fireproofing) on deck and/or beams or as thermal insulation on piping or mechanical equipment. A large amount of non-friable asbestos-containing materials have also been used in building construction such as asbestos cement board and asbestos containing vinyl flooring.

The mere presence of a friable asbestos containing material does not imply that there is an actual presence of elevated airborne fibre. As numerous studies have indicated, elevated asbestos fibre levels are generally found when settled dust or the actual asbestos containing material itself is disturbed by maintenance, renovation, inadvertent contact or vibration. The factors considered in the Environmental Protection Agency (USEPA) exposure assessment (condition of material, water damage, activity, movement, exposed surface area, accessibility, friability and presence in an air stream) often give some indication of the likelihood of fibre release but are not in any way definitive in determining whether a hazard exists or not. That is, even if the most friable product exists in a building, elevated fibre levels will not likely occur unless there is some disturbance by physical contact, vibration or an air stream.

There are four possible approaches to control exposure to airborne asbestos once a friable material is identified in a building. These methods briefly are as follows:

- A) Removal** - Asbestos material is removed and disposed of by burial and replaced by non-asbestos materials.
- B) Encapsulation** - Asbestos material is coated with a bridging or penetrating sealant.
- C) Enclosure** - Asbestos containing materials are separated from the building environment by barriers such as suspended ceilings or cladding materials.
- D) Deferred Action or Management and Custodial Control** - The Province of Saskatchewan Human Resources, Labor and Employment Branch under the Occupational health and Safety Regulations publish a document outlining “The Management of Asbestos”. In the guide for compliance, an action plan is outlined for management of the asbestos materials identified and in summary is:
  - 1. Identification, which has been accomplished by this report.
  - 2. Development of Written Handling Procedures for maintenance personnel or often arrangements are made for a qualified contractor to conduct the necessary removal or spot maintenance prior to the regular staff conducting maintenance.
  - 3. Asbestos Abatement Awareness and Process Training if the regular maintenance personnel are required to conduct asbestos related activities.
  - 4. Inspection on regular basis is conducted to determine the ongoing condition of the material. Sask. Occupational Health & Safety Regulations require an “annual” inspection of all “friable” asbestos materials by a competent person.

In the event renovations or maintenance is performed within areas containing asbestos materials, written procedures must be developed to conduct the activity or prior removal if the situation warrants.

## 6.0 REFERENCES

- .1 Province of Saskatchewan "The Occupational Health and Safety Act and The Occupational Health and Safety Regulations" Office Consolidation, February 1996.
- .2 Province of Saskatchewan Human Resources, Labor, and Employment "The Management of Asbestos" February, 1991.
- .3 USEPA, 1985. U.S. Environmental Protection Agency, "Guidance for Controlling Asbestos-Containing Materials in Buildings". Washington, DC: Office of Toxic Substances, USEPA.
- .4 Midwest Centre for Occupational Health & Safety St. Paul's, Minnesota – Asbestos Training For Inspectors & Management Planners
- .5 McCrone Research Institute Course Hayward California " Asbestos Identification"
- .6 Environment Management and Protection Act, Saskatchewan Environment, October 2002
- .7 Hazardous Substances and waste Dangerous Goods Regulations, Saskatchewan Environment, April 1989

## **APPENDIX I**

### **BULK SAMPLE ANALYSIS REPORT**

***BERSCH & ASSOCIATES LTD.***

February 6, 2015

City Of Saskatoon  
Infrastructure Services Department  
3130 Laurier Drive  
Saskatoon, Sk.  
S7L 5J7

**ATTENTION: Brent Anderson**

**SUBJECT: Bulk Sample Analysis Report**

Please find attached the laboratory results for the bulk analysis of the samples collected throughout the John Deere Building located at 450 Ontario Avenue in Saskatoon, Saskatchewan. The samples were analyzed in our laboratory for the identification of asbestos. Chrysotile asbestos was identified in several of the samples submitted for analysis.

The results for the bulk samples were obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

This test report relates only to the materials sent for examination and any use or extension of the information by the client of these results is the responsibility of the client. If any questions arise on the results of the attached information please contact me at 306-222-7477. Thank you for this opportunity of service.

Sincerely,

Brad Berschiminsky  
Bersch & Associates Ltd.  
File: B67BLB05



***Bersch & Associates Ltd.***

B67BAB05

Box 3568

Humboldt, Sask. S0K 2A0

**BULK SAMPLE ANALYSIS REPORT****PROJECT NO. B67.15****CLIENT: City of Saskatoon****Infrastructure Services - Facilities Branch****Contact: Brent Anderson****Location: John Deere Building - 450 Ontario Ave, Saskatoon, SK.**

| NO. | DATE     | SAMPLE INFORMATION                                                           | ASBESTOS      | %  | ANALYST |
|-----|----------|------------------------------------------------------------------------------|---------------|----|---------|
| 1   | 8-May-13 | 246 Corridor<br>- Lineal Pipeline Insulation                                 | Chrysotile    | 70 | WB      |
| 2   | 8-May-13 | 101 Vestibule<br>- Sheet Flooring, Tan/Brown Various Size Squares<br>Pattern | Chrysotile    | 30 | WB      |
| 3   | 8-May-13 | 237 Corridor<br>- 1' x 1' Acoustical Ceiling Tile                            | None Detected |    | WB      |
| 4   | 5-Feb-15 | 003 Storage/Boiler Room<br>- Lineal Pipeline Insulation On Line Label "2"    | None Detected |    | WB      |
| 5   | 5-Feb-15 | 003 Storage/Boiler Room<br>- Fire-Stop Material At Pipe Penetration          | None Detected |    | WB      |
| 6   | 5-Feb-15 | 003 Storage/Boiler Room<br>- Insulation At Damaged Valve                     | None Detected |    | WB      |
| 7   | 5-Feb-15 | 004 Maintenance Office<br>- Brick Mud/Mortar                                 | None Detected |    | WB      |

***Bersch & Associates Ltd.***

B67BAB05

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| NO. | DATE     | SAMPLE INFORMATION                                                                   | ASBESTOS      | %  | ANALYST |
|-----|----------|--------------------------------------------------------------------------------------|---------------|----|---------|
| 8   | 5-Feb-15 | 001 Basement<br>- Small Pipeline Fitting Adjacent Boiler Room Entrance               | Chrysotile    | 45 | WB      |
| 9   | 5-Feb-15 | 001 Basement<br>- Damaged Pipeline Fitting From Valve On The Back Side Of 004 Office | Chrysotile    | 60 | WB      |
| 10  | 5-Feb-15 | 001 Basement<br>- Lineal Pipeline Insulation From Large Line In Northwest Corner     | Chrysotile    | 70 | WB      |
| 11  | 5-Feb-15 | 001 Basement<br>- Lineal Pipeline Insulation On Small Line Adjacent Vault            | Chrysotile    | 70 | WB      |
| 12  | 5-Feb-15 | 001 Basement<br>- Lineal Pipeline Insulation On Medium Line In Southwest Corner      | Chrysotile    | 70 | WB      |
| 13  | 5-Feb-15 | 001 Basement<br>- Transite Drain Pipe 1' Piece Hanging On Hanger Adjacent Vault      | Chrysotile    | 30 | WB      |
| 14  | 5-Feb-15 | S-2 Stairwell<br>- Wall Board                                                        | None Detected |    | WB      |

***Bersch & Associates Ltd.***

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| NO. | DATE     | SAMPLE INFORMATION                                                                               | ASBESTOS      | %      | ANALYST |
|-----|----------|--------------------------------------------------------------------------------------------------|---------------|--------|---------|
| 15  | 5-Feb-15 | 003 Storage/Boiler Room<br>- Duct Insulation                                                     | None Detected |        | WB      |
| 16  | 5-Feb-15 | 111 Warehouse<br>- Lineal Pipeline Insulation On Grey Line Running<br>Vertical Adjacent Washroom | Chrysotile    | 70     | WB      |
| 17  | 5-Feb-15 | 110b Inventory Disposal<br>- Sheet Flooring Cream and Green Colored Pattern                      | None Detected |        | WB      |
| 18  | 5-Feb-15 | 110b Inventory Disposal<br>- Ceiling Tile Square Pattern                                         | None Detected |        | WB      |
| 19  | 5-Feb-15 | 114 Storage<br>- 9' x 9' Floor Tile Brown                                                        | Chrysotile    | 1 to 5 | WB      |
| 20  | 5-Feb-15 | 115 Women's Washroom<br>- Sheet Flooring White Stone Pattern With Teal And<br>Pink Coloring      | None Detected |        | WB      |
| 21  | 6-Feb-15 | 116 Roadways Office<br>- Sheet Flooring White Tiny Irregular Stone Pattern                       | None Detected |        | WB      |

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| NO. | DATE     | SAMPLE INFORMATION                                                                             | ASBESTOS      | %  | ANALYST |
|-----|----------|------------------------------------------------------------------------------------------------|---------------|----|---------|
| 22  | 6-Feb-15 | 112 Cafeteria<br>- Lineal Pipeline Insulation Adjacent Windows                                 | None Detected |    | WB      |
| 23  | 6-Feb-15 | 301<br>- Damaged Lineal Pipeline Insulation Adjacent<br>Column Nearest Southeast Corner Of E-1 | Chrysotile    | 70 | WB      |
| 24  | 6-Feb-15 | 117 Meeting Room<br>- Lineal Pipeline Insulation                                               | None Detected |    | WB      |
| 25  | 6-Feb-15 | 205 Washroom<br>- Sheet Flooring White With Pink And Brown Color                               | None Detected |    | WB      |
| 26  | 6-Feb-15 | 204 Washroom<br>- Sheet Flooring 3-Toned Brown Color                                           | None Detected |    | WB      |
| 27  | 6-Feb-15 | 215 Meeting Room<br>- Ceiling Material                                                         | None Detected |    | WB      |
| 28  | 6-Feb-15 | 223 Corridor<br>- Duct Insulation                                                              | None Detected |    | WB      |

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**BULK SAMPLE ANALYSIS REPORT**

**PROJECT NO. B67.15**

**CLIENT: City of Saskatoon**

**Infrastructure Services - Facilities Branch**

**Contact: Brent Anderson**

**Location: John Deere Building - 450 Ontario Ave, Saskatoon, SK.**

| NO. | DATE     | SAMPLE INFORMATION                          | ASBESTOS      | % | ANALYST |
|-----|----------|---------------------------------------------|---------------|---|---------|
| 29  | 6-Feb-15 | 233 Operations Manager<br>- Wall Insulation | None Detected |   | WB      |

## **APPENDIX II**

### **ASBESTOS SURVEY DATABASE**

| John Deere Building |        |                     |             |            |           |               |          |                           |           |          |                                                                                      |                                                                      |               |        |                                                                                                                                                                                                                                                        |
|---------------------|--------|---------------------|-------------|------------|-----------|---------------|----------|---------------------------|-----------|----------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     |        |                     | SAMPLE DATA |            |           |               |          |                           |           |          |                                                                                      |                                                                      |               |        |                                                                                                                                                                                                                                                        |
|                     | Room   |                     | SAMPLE      | Sample     | Date      | Asbestos      | % of     | Tradename                 |           |          | Description of                                                                       | Asbestos Content                                                     | Potential for | Action | Comments                                                                                                                                                                                                                                               |
| Floor               | Number | Use                 | SAMPLE REP  | ID         | DD/MM/YY  | Type          | Asbestos | ACM Product               | Condition | Priority | Sample Location                                                                      | In Area                                                              | Disturbance   |        |                                                                                                                                                                                                                                                        |
| B                   | 001    | Basement            | Sample      | B67-ASB.8  | 05-Feb-15 | Chrysotile    | 45%      | Pipeline Fitting Compound | Poor      | 1        | 001 Basement<br>- Small Pipeline Fitting Adjacent Boiler Room Entrance               | Pipeline Fitting Compound, Lineal Pipeline Insulation, Transite Pipe | Moderate      | Repair | Repair approximately 80 damaged pipeline fittings or exposed areas on lineal pipeline insulation throughout basement. Consider removing all Lineal pipeline insulation. Consider all gray lineal pipeline insulation to be ACM. No door jamb to label. |
| B                   | 001    | Basement            | Sample      | B67-ASB.9  | 05-Feb-15 | Chrysotile    | 60%      | Pipeline Fitting Compound | Poor      | 1        | 001 Basement<br>- Damaged Pipeline Fitting From Valve On The Back Side Of 004 Office | Pipeline Fitting Compound, Lineal Pipeline Insulation, Transite Pipe | Moderate      | Repair | Repair approximately 80 damaged pipeline fittings or exposed areas on lineal pipeline insulation throughout basement. Consider removing all Lineal pipeline insulation. Consider all gray lineal pipeline insulation to be ACM. No door jamb to label. |
| B                   | 001    | Basement            | Sample      | B67-ASB.10 | 05-Feb-15 | Chrysotile    | 70%      | Lineal Pipe Insulation    | Poor      | 1        | 001 Basement<br>- Lineal Pipeline Insulation From Large Line In Northwest Corner     | Pipeline Fitting Compound, Lineal Pipeline Insulation, Transite Pipe | Moderate      | Repair | Repair approximately 80 damaged pipeline fittings or exposed areas on lineal pipeline insulation throughout basement. Consider removing all Lineal pipeline insulation. Consider all gray lineal pipeline insulation to be ACM. No door jamb to label. |
| B                   | 001    | Basement            | Sample      | B67-ASB.11 | 05-Feb-15 | Chrysotile    | 70%      | Lineal Pipe Insulation    | Poor      | 1        | 001 Basement<br>- Lineal Pipeline Insulation On Small Line Adjacent Vault            | Pipeline Fitting Compound, Lineal Pipeline Insulation, Transite Pipe | Moderate      | Repair | Repair approximately 80 damaged pipeline fittings or exposed areas on lineal pipeline insulation throughout basement. Consider removing all Lineal pipeline insulation. Consider all gray lineal pipeline insulation to be ACM. No door jamb to label. |
| B                   | 001    | Basement            | Sample      | B67-ASB.12 | 05-Feb-15 | Chrysotile    | 70%      | Lineal Pipe Insulation    | Poor      | 1        | 001 Basement<br>- Lineal Pipeline Insulation On Medium Line In Southwest Corner      | Pipeline Fitting Compound, Lineal Pipeline Insulation, Transite Pipe | Moderate      | Repair | Repair approximately 80 damaged pipeline fittings or exposed areas on lineal pipeline insulation throughout basement. Consider removing all Lineal pipeline insulation. Consider all gray lineal pipeline insulation to be ACM. No door jamb to label. |
| B                   | 001    | Basement            | Sample      | B67-ASB.13 | 05-Feb-15 | Chrysotile    | 30%      | Transite Pipe             | Good      | 2        | 001 Basement<br>- Transite Drain Pipe 1' Piece Hanging On Hanger Adjacent Vault      | Pipeline Fitting Compound, Lineal Pipeline Insulation, Transite Pipe | Low           | Remove | Remove piece of Transite pipe adjacent vault. No door jamb to label.                                                                                                                                                                                   |
| B                   | 002    | Safe                |             |            |           |               |          |                           |           |          |                                                                                      | No Accessible ACM                                                    |               |        | Door is welded shut, room is inaccessible.                                                                                                                                                                                                             |
| B                   | 003    | Storage/Boiler Room | Sample      | B67-ASB.4  | 05-Feb-15 | None Detected |          | Lineal Pipe Insulation    |           |          | 003 Storage/Boiler Room<br>- Lineal Pipeline Insulation On Line Label "2"            | No Accessible ACM                                                    |               |        |                                                                                                                                                                                                                                                        |
| B                   | 003    | Storage/Boiler Room | Sample      | B67-ASB.5  | 05-Feb-15 | None Detected |          | Fire-Stop Material        |           |          | 003 Storage/Boiler Room<br>- Fire-Stop Material At Pipe Penetration                  | No Accessible ACM                                                    |               |        |                                                                                                                                                                                                                                                        |
| B                   | 003    | Storage/Boiler Room | Sample      | B67-ASB.6  | 05-Feb-15 | None Detected |          | Insulation                |           |          | 003 Storage/Boiler Room<br>- Insulation At Damaged Valve                             | No Accessible ACM                                                    |               |        |                                                                                                                                                                                                                                                        |
| B                   | 003    | Storage/Boiler Room | Sample      | B67-ASB.15 | 05-Feb-15 | None Detected |          | Duct Insulation           |           |          | 003 Storage/Boiler Room<br>- Duct Insulation                                         | No Accessible ACM                                                    |               |        |                                                                                                                                                                                                                                                        |
| B                   | 004    | Maintenance Office  | Sample      | B67-ASB.7  | 05-Feb-15 | None Detected |          | Brick Mud/Mortar          |           |          | 004 Maintenance Office<br>- Brick Mud/Mortar                                         | No Accessible ACM                                                    |               |        |                                                                                                                                                                                                                                                        |
| B                   | E-1    | Elevator #1         |             |            |           |               |          |                           |           |          |                                                                                      | No Accessible ACM                                                    |               |        |                                                                                                                                                                                                                                                        |
| B                   | S-2    | Stairwell #2        | Sample      | B67-ASB.14 | 05-Feb-15 | None Detected |          | Wall Board                |           |          | S-2 Stairwell<br>- Wall Board                                                        | No Accessible ACM                                                    |               |        |                                                                                                                                                                                                                                                        |
| 1                   | 101    | Vestibule           | Sample      | B67-ASB.2  | 08-May-13 | Chrysotile    | 30%      | Asbestos Sheet Flooring   | Poor/Mod  | 1        | 101 Vestibule<br>- Sheet Flooring, Tan/Brown Various Size Squares Pattern            | Asbestos Sheet Flooring                                              | Low/Mod       | Repair | Repair damaged flooring adjacent men's washroom                                                                                                                                                                                                        |
| 1                   | 102    | Locker Room         | Sample Rep  | B67-ASB.2  | 08-May-13 | Chrysotile    | 30%      | Asbestos Sheet Flooring   | Good      | 3        | 101 Vestibule<br>- Sheet Flooring, Tan/Brown Various Size Squares Pattern            | Asbestos Sheet Flooring                                              | Low           | Manage |                                                                                                                                                                                                                                                        |

| John Deere Building |        |                                           |             |            |           |               |          |                         |           |          |                                                                                            |                            |               |                 |                                                                                                                                                                                                                                                                                                             |
|---------------------|--------|-------------------------------------------|-------------|------------|-----------|---------------|----------|-------------------------|-----------|----------|--------------------------------------------------------------------------------------------|----------------------------|---------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     |        |                                           | SAMPLE DATA |            |           |               |          |                         |           |          |                                                                                            |                            |               |                 |                                                                                                                                                                                                                                                                                                             |
|                     | Room   | Use                                       | SAMPLE      | Sample     | Date      | Asbestos      | % of     | Tradename               |           |          | Description of                                                                             | Asbestos Content           | Potential for | Action          | Comments                                                                                                                                                                                                                                                                                                    |
| Floor               | Number | Use                                       | SAMPLE REP  | ID         | DD/MM/YY  | Type          | Asbestos | ACM Product             | Condition | Priority | Sample Location                                                                            | In Area                    | Disturbance   |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | 103    | Storage                                   |             |            |           |               |          |                         |           |          |                                                                                            | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | 104    | Washroom                                  |             |            |           |               |          |                         |           |          |                                                                                            | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | 105    | Change Room                               |             |            |           |               |          |                         |           |          |                                                                                            | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | 106    | Washroom                                  |             |            |           |               |          |                         |           |          |                                                                                            | No Accessible ACM          |               |                 | Room was inaccessible at the time of the survey.                                                                                                                                                                                                                                                            |
| 1                   | 107    | Corridor                                  |             |            |           |               |          |                         |           |          |                                                                                            | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | 108    | Lost & Found Storage                      |             |            |           |               |          |                         |           |          |                                                                                            | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | 109    | Staff Lunch Room                          |             |            |           |               |          |                         |           |          |                                                                                            | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | 110a   | Lost & Found                              |             |            |           |               |          |                         |           |          |                                                                                            | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | 110b   | Inventory Disposal                        | Sample      | B67-ASB.17 | 05-Feb-15 | None Detected |          | Vinyl Sheet Flooring    |           |          | 110b Inventory Disposal - Sheet Flooring Cream and Green Colored Pattern                   | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | 110b   | Inventory Disposal                        | Sample      | B67-ASB.18 | 05-Feb-15 | None Detected |          | Ceiling Tiles           |           |          | 110b Inventory Disposal - Ceiling Tile Square Pattern                                      | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | 111    | Warehouse                                 | Sample      | B67-ASB.16 | 05-Feb-15 | Chrysotile    | 70%      | Lineal Pipe Insulation  | Poor      | 1        | 111 Warehouse - Lineal Pipeline Insulation On Grey Line Running Vertical Adjacent Washroom | Lineal Pipeline Insulation | Moderate      | Repair & Remove | Repair damaged areas on vertical Lineal Pipeline Insulation at ceiling adjacent washroom column 'F'. Enclose 2 exposed ends & repair 2 fittings above column 'G'. Remove 2 lines of Lineal pipeline insulation running vertical adjacent Southeast corner of E-1 and unit heater adjacent North Garage Door |
| 1                   | 112    | Cafeteria                                 | Sample      | B67-ASB.22 | 06-Feb-15 | None Detected |          | Lineal Pipe Insulation  |           |          | 112 Cafeteria - Lineal Pipeline Insulation Adjacent Windows                                | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | 112    | Cafeteria                                 | Sample Rep  | B67-ASB.2  | 08-May-13 | Chrysotile    | 30%      | Asbestos Sheet Flooring | Good      | 3        | 101 Vestibule - Sheet Flooring, Tan/Brown Various Size Squares Pattern                     | Asbestos Sheet Flooring    | Low           | Manage          |                                                                                                                                                                                                                                                                                                             |
| 1                   | 113    | Roadways Office                           |             |            |           |               |          |                         |           |          |                                                                                            | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | 114    | Storage                                   | Sample      | B67-ASB.19 | 05-Feb-15 | Chrysotile    | 1-5%     | Vinyl Asbestos Tile     | Good      | 3        | 114 Storage - 9' x 9' Floor Tile Brown                                                     | Vinyl Asbestos Tile        | Low           | Manage          |                                                                                                                                                                                                                                                                                                             |
| 1                   | 115    | Women's Washroom/ Locker Room             | Sample      | B67-ASB.20 | 05-Feb-15 | None Detected |          | Vinyl Sheet Flooring    |           |          | 115 Women's Washroom - Sheet Flooring White Stone Pattern With Teal And Pink Coloring      | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | 116    | Roadways Office's                         | Sample      | B67-ASB.21 | 06-Feb-15 | None Detected |          |                         |           |          | 116 Roadways Office - Sheet Flooring White Tiny Irregular Stone Pattern                    | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | 117    | Meeting Room                              | Sample      | B67-ASB.24 | 06-Feb-15 | None Detected |          | Lineal Pipe Insulation  |           |          | 117 Meeting Room - Lineal Pipeline Insulation                                              | Asbestos Sheet Flooring    |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | 117    | Meeting Room                              | Sample Rep  | B67-ASB.2  | 08-May-13 | Chrysotile    | 30%      | Asbestos Sheet Flooring | Poor      | 1        | 101 Vestibule - Sheet Flooring, Tan/Brown Various Size Squares Pattern                     | Asbestos Sheet Flooring    | Low           | Repair          | Repair area that is patched with duct tape.                                                                                                                                                                                                                                                                 |
| 1                   | 118    | Gym                                       |             |            |           |               |          |                         |           |          |                                                                                            | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | 119    | Storage                                   |             |            |           |               |          |                         |           |          |                                                                                            | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | E-1    | Elevator #1                               |             |            |           |               |          |                         |           |          |                                                                                            | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 1                   | S-1    | Stairwell #1                              | Sample Rep  | B67-ASB.2  | 08-May-13 | Chrysotile    | 30%      | Asbestos Sheet Flooring | Good      | 3        | 101 Vestibule - Sheet Flooring, Tan/Brown Various Size Squares Pattern                     | Asbestos Sheet Flooring    | Low           | Manage          | Flooring is only located at bottom floor landing                                                                                                                                                                                                                                                            |
| 2                   | 201    | Public Works Administration - Solid Waste |             |            |           |               |          |                         |           |          |                                                                                            | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 2                   | 202a   | Environmental Services - Solid Waste      |             |            |           |               |          |                         |           |          |                                                                                            | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |
| 2                   | 202b   | Environmental Services - Solid Waste      |             |            |           |               |          |                         |           |          |                                                                                            | No Accessible ACM          |               |                 |                                                                                                                                                                                                                                                                                                             |



| John Deere Building |        |                                       |             |            |           |               |          |                         |           |          |                                                               |                   |               |        |          |
|---------------------|--------|---------------------------------------|-------------|------------|-----------|---------------|----------|-------------------------|-----------|----------|---------------------------------------------------------------|-------------------|---------------|--------|----------|
|                     |        |                                       | SAMPLE DATA |            |           |               |          |                         |           |          |                                                               |                   |               |        |          |
|                     | Room   |                                       | SAMPLE      | Sample     | Date      | Asbestos      | % of     | Tradename               |           |          | Description of                                                | Asbestos Content  | Potential for |        |          |
| Floor               | Number | Use                                   | SAMPLE REP  | ID         | DD/MM/YY  | Type          | Asbestos | ACM Product             | Condition | Priority | Sample Location                                               | In Area           | Disturbance   | Action | Comments |
| 2                   | 202c   | Environmental Services - Solid Waste  |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 203    | Office                                |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 204    | Washroom                              | Sample      | B67-ASB.26 | 06-Feb-15 | None Detected |          | Vinyl Sheet Flooring    |           |          | 204 Washroom - Sheet Flooring 3-Toned Brown Color             | No Accessible ACM |               |        |          |
| 2                   | 205    | Washroom                              | Sample      | B67-ASB.25 | 06-Feb-15 | None Detected |          | Vinyl Sheet Flooring    |           |          | 205 Washroom - Sheet Flooring White With Pink And Brown Color | No Accessible ACM |               |        |          |
| 2                   | 206    | Water & Sewer                         |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 207    | PW-Water & Sewer                      |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 208    | Water & Sewer                         |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 209    | Water & Sewer                         |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 210    | Water & Sewer                         |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 211a   | Drafting Room                         |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 211b   | Drafting Room                         |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 211c   | Drafting Room                         |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 211d   | Drafting Room                         |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 212a   | Drafting Room                         |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 212b   | Drafting Room                         |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 213a   | Drafting Room                         |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 213b   | Drafting Room                         |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 213c   | Drafting Room                         |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 213d   | Drafting Room                         |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 214    | Water & Sewer                         |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 215    | Meeting Room                          | Sample      | B67-ASB.27 | 06-Feb-15 | None Detected |          | Stipple Ceiling Texture |           |          | 215 Meeting Room - Ceiling Material                           | No Accessible ACM |               |        |          |
| 2                   | 216    | Janitorial Supplies                   |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 217    | Janitor                               |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 218a   | Office                                |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 218b   | Office                                |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 219a   | Office                                |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 219b   | Office                                |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 220a   | Roadways Workstations                 |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 220b   | Operations Assistant                  |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 220c   | Superintendent Roadways               |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 221a   | Conference Room                       |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 221b   | Conference Room                       |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 221c   | Conference Room                       |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 222    | Operations Assistant/Support Services |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 223    | Plan Files                            | Sample      | B67-ASB.28 | 06-Feb-15 | None Detected |          | Duct Insulation         |           |          | 223 Corridor - Duct Insulation                                | No Accessible ACM |               |        |          |
| 2                   | 224    | Roadways Workstations                 |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 225    | Roadways Workstations                 |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |
| 2                   | 226a   | Roadways Workstations                 |             |            |           |               |          |                         |           |          |                                                               | No Accessible ACM |               |        |          |

| John Deere Building |        |                               |             |            |           |               |          |                        |           |          |                                                                                          |                            |               |        |                                                                                                                                                                                                           |
|---------------------|--------|-------------------------------|-------------|------------|-----------|---------------|----------|------------------------|-----------|----------|------------------------------------------------------------------------------------------|----------------------------|---------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     |        |                               | SAMPLE DATA |            |           |               |          |                        |           |          |                                                                                          |                            |               |        |                                                                                                                                                                                                           |
|                     | Room   | Use                           | SAMPLE      | Sample     | Date      | Asbestos      | % of     | Tradename              |           |          | Description of                                                                           | Asbestos Content           | Potential for | Action | Comments                                                                                                                                                                                                  |
| Floor               | Number | Use                           | SAMPLE REP  | ID         | DD/MM/YY  | Type          | Asbestos | ACM Product            | Condition | Priority | Sample Location                                                                          | In Area                    | Disturbance   |        |                                                                                                                                                                                                           |
| 2                   | 226b   | System Engineer               |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 226c   | Roadways Workstations         |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 226d   | Roadways Workstations         |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 226e   | Roadways Workstations         |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 227a   | Fleet Control                 |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 227b   | Fleet Control                 |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 228    | Solid Waste Management        |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 229    | Roadways Office               |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 230    | Office                        |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 231a   | Office                        |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 231b   | Storage                       |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 232    | Solid Waste Management        |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 233    | Operations Manager            | Sample      | B67-ASB.29 | 06-Feb-15 | None Detected |          | Insulation             |           |          | 233 Operations Manager - Wall Insulation                                                 | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 234a   | Dispatch Workstation          |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 234b   | Dispatch Workstation          |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 234c   | Dispatch Workstation          |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 235    | Roadways Office - Solid Waste |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 236a   | Corridor                      |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 236b   | Waiting Room                  |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 237    | Corridor                      | Sample      | B67-ASB.3  | 08-May-13 | None Detected |          | Ceiling Tiles          |           |          | 237 Corridor - 1' x 1' Acoustical Ceiling Tile                                           | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 238    | Locker Room                   |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 239    | Kitchen                       |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 240    | Office                        |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 241    | Office                        |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 242    | Office                        |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 243    | Corridor                      |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 244    | Office                        |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 245    | Office                        |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | 246    | Corridor                      | Sample      | B67-ASB.1  | 08-May-13 | Chrysotile    | 70%      | Lineal Pipe Insulation | Good      | 3        | 246 Corridor - Lineal Pipeline Insulation                                                | Lineal Pipeline Insulation | Low           | Manage | Running vertically adjacent elevator shaft. No door jamb to label.                                                                                                                                        |
| 2                   | 247    | Corridor                      |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 2                   | E-1    | Elevator #1                   |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 3                   | 301    |                               | Sample      | B67-ASB.23 | 06-Feb-15 | Chrysotile    | 70%      | Lineal Pipe Insulation | Poor      | 1        | 301 - Damaged Lineal Pipeline Insulation Adjacent Column Nearest Southeast Corner Of E-1 | Lineal Pipeline Insulation | High          | Remove | Remove 5' of lineal pipe insulation adjacent column near Southeast corner of E-1 & repair 2 fittings on large line and clean up debris. Consider removing all 50' of Lineal pipe insulation in this area. |
| 3                   | 302    | Storage                       |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 3                   | 303    | Storage                       |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 3                   | 304    | Storage                       |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 3                   | E-1    | Elevator #1                   |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 4                   | 401    |                               |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |
| 4                   | 402    |                               |             |            |           |               |          |                        |           |          |                                                                                          | No Accessible ACM          |               |        |                                                                                                                                                                                                           |

| John Deere Building |        |                   |             |        |          |          |          |             |           |          |                 |                   |               |        |          |
|---------------------|--------|-------------------|-------------|--------|----------|----------|----------|-------------|-----------|----------|-----------------|-------------------|---------------|--------|----------|
|                     |        |                   | SAMPLE DATA |        |          |          |          |             |           |          |                 |                   |               |        |          |
|                     | Room   |                   | SAMPLE      | Sample | Date     | Asbestos | % of     | Tradename   |           |          | Description of  | Asbestos Content  | Potential for |        |          |
| Floor               | Number | Use               | SAMPLE REP  | ID     | DD/MM/YY | Type     | Asbestos | ACM Product | Condition | Priority | Sample Location | In Area           | Disturbance   | Action | Comments |
| 4                   | 403    | Mezzanine Storage |             |        |          |          |          |             |           |          |                 | No Accessible ACM |               |        |          |
| 4                   | 404    | Mezzanine Storage |             |        |          |          |          |             |           |          |                 | No Accessible ACM |               |        |          |
| 4                   | 407    |                   |             |        |          |          |          |             |           |          |                 | No Accessible ACM |               |        |          |
| 4                   | E-1    | Elevator #1       |             |        |          |          |          |             |           |          |                 | No Accessible ACM |               |        |          |



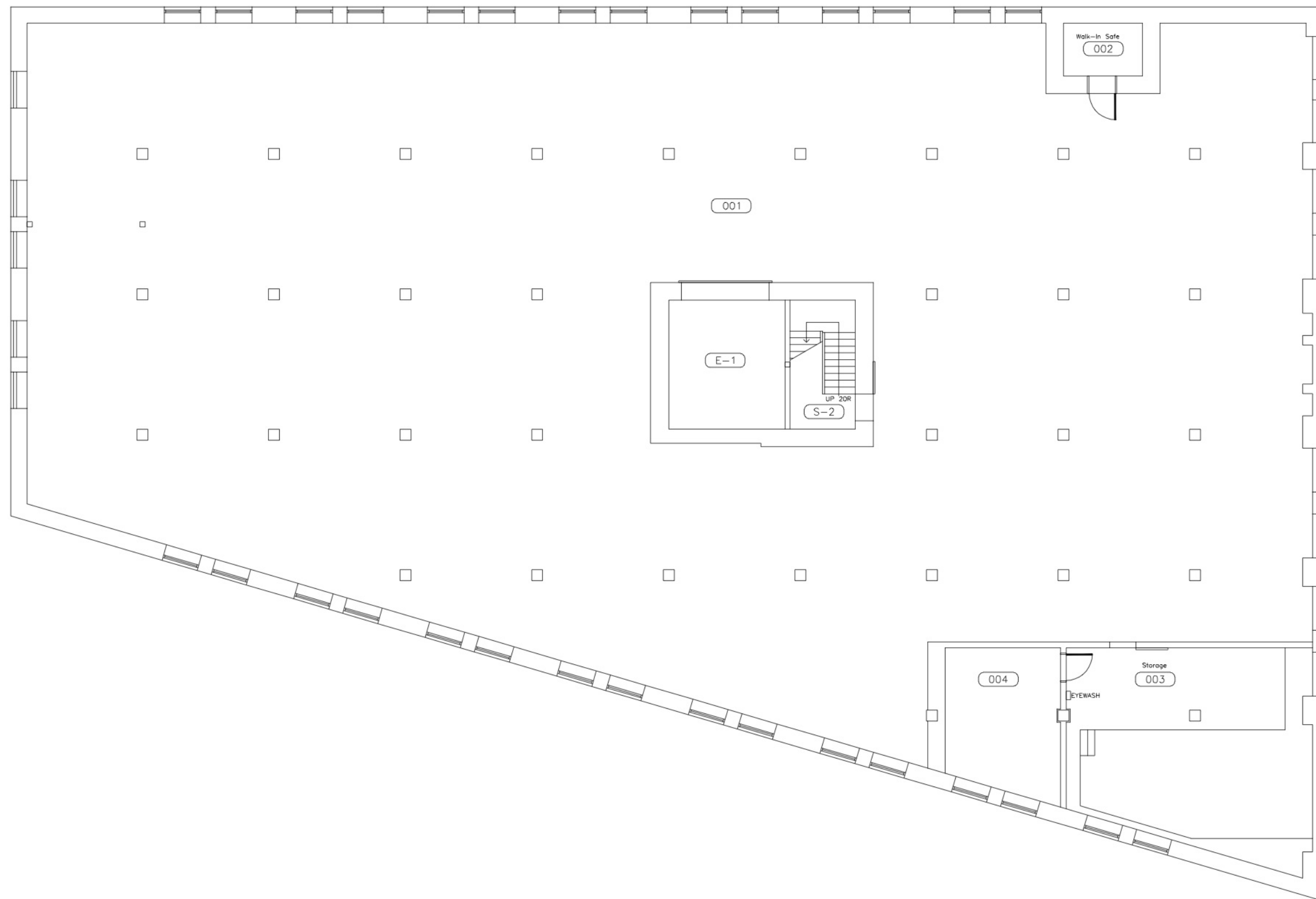
“Fireproof doors on all levels which are located around elevator shaft and interior stairwell contain asbestos.”

## **APPENDIX III**

### **FLOOR PLANS**

- GENERAL NOTES:
1. All dimensions are in millimetres
  2. Drawings are not to be scaled.
  3. All drawings to be read in conjunction with the specifications, unless otherwise noted.
  4. Verify site conditions and location of all utilities prior to the start of construction.
  5. Report all discrepancies to the Consultant.
  6. If in doubt, ask.

| REV                                            |           | ISSUED FOR          | DATE          |
|------------------------------------------------|-----------|---------------------|---------------|
|                                                |           |                     |               |
| DESIGNED BY:                                   | DRAWN BY: | CHECKED BY:         | REQUESTED BY: |
| SCALE:<br>1:150                                |           | DATE:<br>08/06/2001 |               |
| SHEET NAME                                     |           | Asbuilt             |               |
| Lower Floor<br>Base Plan                       |           |                     |               |
| PROJECT TITLE<br>847<br>John Deere<br>Building |           |                     |               |
| PROJECT NO.                                    |           | SHEET               |               |
|                                                |           | REV. NO.            |               |



- GENERAL NOTES:
1. All dimensions are in millimetres
  2. Drawings are not to be scaled.
  3. All drawings to be read in conjunction with the specifications, unless otherwise noted.
  4. Verify site conditions and location of all utilities prior to the start of construction.
  5. Report all discrepancies to the Consultant.
  6. If in doubt, ask.

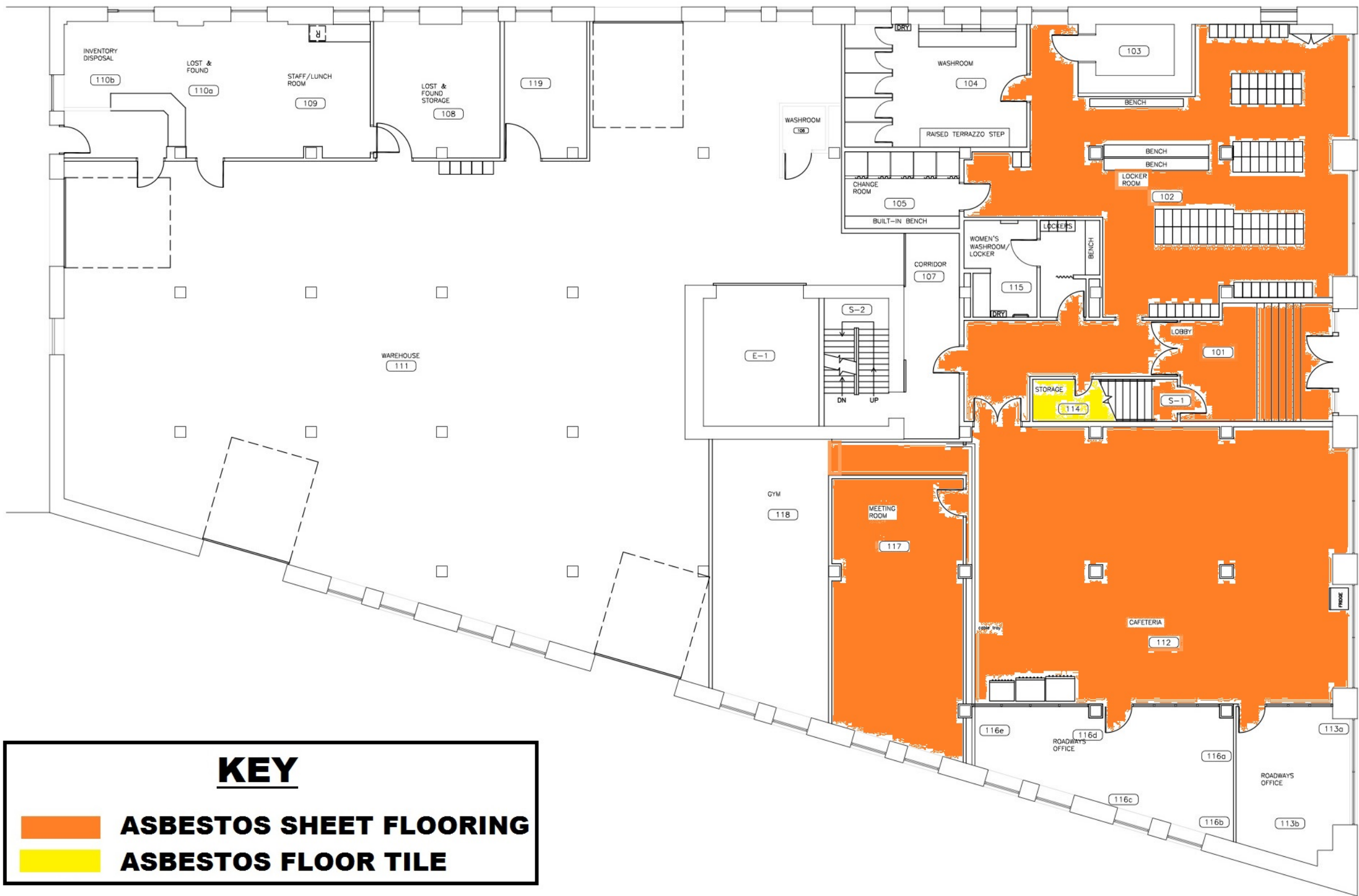
| REV | ISSUED FOR | DATE |
|-----|------------|------|
|     |            |      |

|                 |           |                   |               |
|-----------------|-----------|-------------------|---------------|
| DESIGNED BY:    | DRAWN BY: | CHECKED BY:       | REQUESTED BY: |
|                 |           |                   |               |
| SCALE:<br>1:150 |           | DATE:<br>2/9/2005 |               |
| SHEET NAME      |           | Asbuilt           |               |

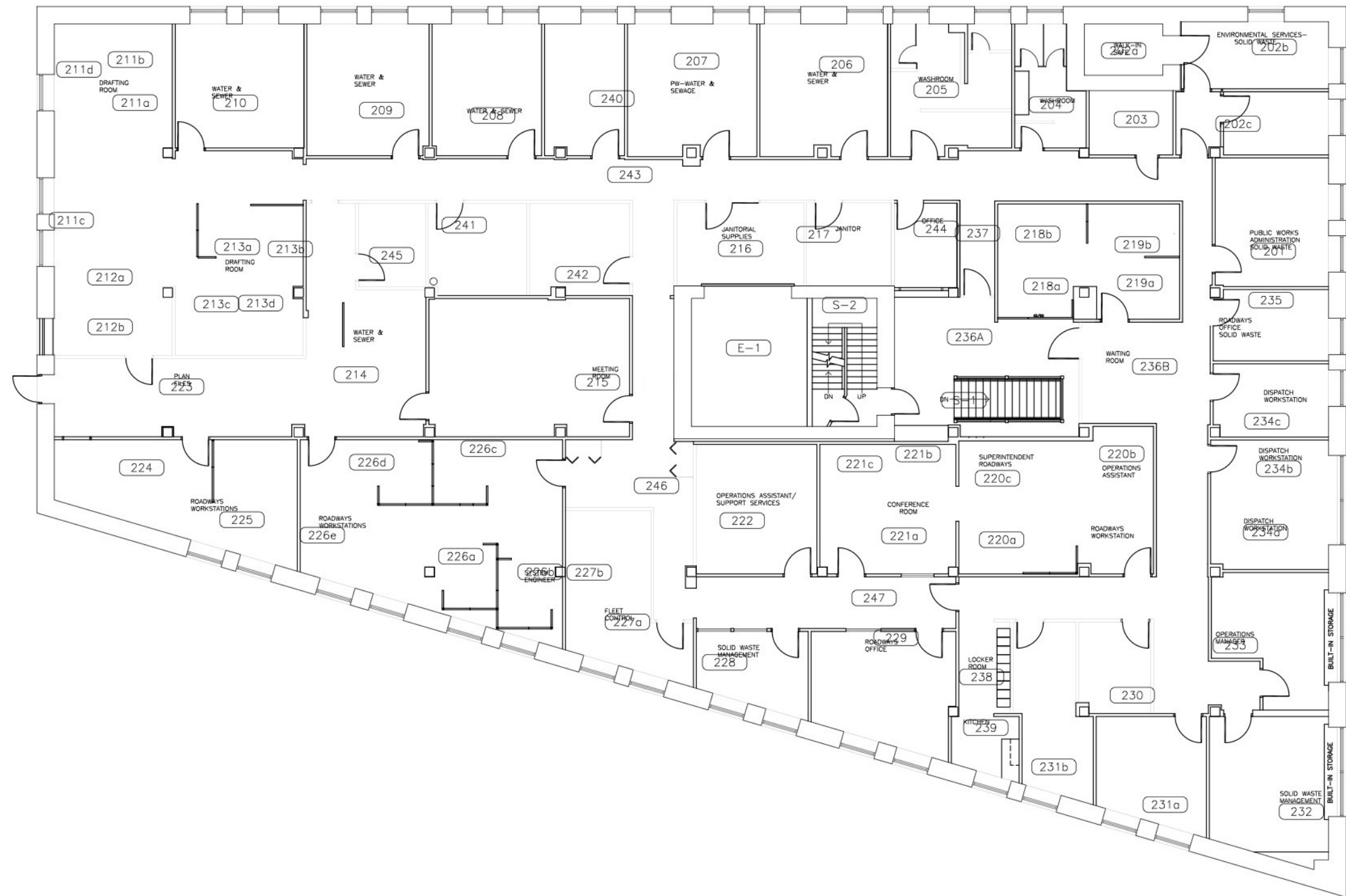
**Main Floor  
Base Plan**

PROJECT TITLE  
**847  
John Deere  
Building**

|             |       |
|-------------|-------|
| PROJECT NO. | SHEET |
|             |       |
| REV. NO.    | 0     |



- GENERAL NOTES:
1. All dimensions are in millimetres
  2. Drawings are not to be scaled.
  3. All drawings to be read in conjunction with the specifications, unless otherwise noted.
  4. Verify site conditions and location of all utilities prior to the start of construction.
  5. Report all discrepancies to the Consultant.
  6. If in doubt, ask.



| REV | ISSUED FOR | DATE |
|-----|------------|------|
|-----|------------|------|

| DESIGNED BY: | DRAWN BY: | CHECKED BY: | REQUESTED BY: |
|--------------|-----------|-------------|---------------|
|--------------|-----------|-------------|---------------|

| SCALE: | DATE: |
|--------|-------|
|--------|-------|

| SHEET NAME | Asbuilt |
|------------|---------|
|------------|---------|

**Second Floor  
Base Plan**

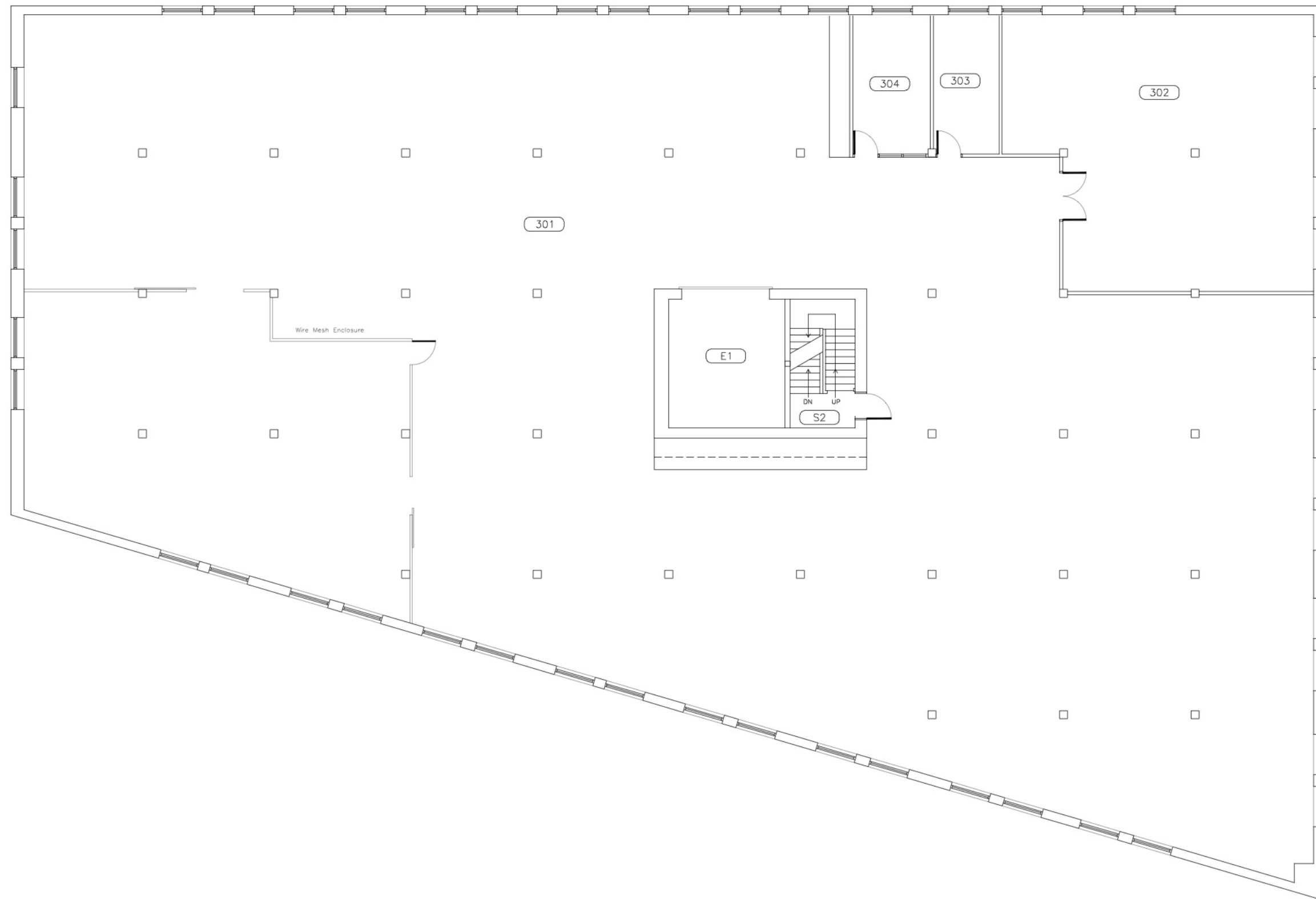
PROJECT TITLE  
**847  
John Deere  
Building**

| PROJECT NO. | SHEET |
|-------------|-------|
|-------------|-------|

| REV. NO. | 0 |
|----------|---|
|----------|---|

- GENERAL NOTES:
1. All dimensions are in millimetres
  2. Drawings are not to be scaled.
  3. All drawings to be read in conjunction with the specifications, unless otherwise noted.
  4. Verify site conditions and location of all utilities prior to the start of construction.
  5. Report all discrepancies to the Consultant.
  6. If in doubt, ask.

| REV                                            |           | ISSUED FOR          | DATE          |
|------------------------------------------------|-----------|---------------------|---------------|
|                                                |           |                     |               |
| DESIGNED BY:                                   | DRAWN BY: | CHECKED BY:         | REQUESTED BY: |
| SCALE:<br>1:150                                |           | DATE:<br>08/06/2001 |               |
| SHEET NAME                                     |           | Asbuilt             |               |
| Third Floor<br>Base Plan                       |           |                     |               |
| PROJECT TITLE<br>847<br>John Deere<br>Building |           |                     |               |
| PROJECT NO.                                    |           | SHEET               |               |
|                                                |           | REV. NO.            |               |





- GENERAL NOTES:
1. All dimensions are in millimetres
  2. Drawings are not to be scaled.
  3. All drawings to be read in conjunction with the specifications, unless otherwise noted.
  4. Verify site conditions and location of all utilities prior to the start of construction.
  5. Report all discrepancies to the Consultant.
  6. If in doubt, ask.

| REV | ISSUED FOR | DATE |
|-----|------------|------|
|-----|------------|------|


|              |           |             |               |
|--------------|-----------|-------------|---------------|
| DESIGNED BY: | DRAWN BY: | CHECKED BY: | REQUESTED BY: |
|              |           |             | LG            |

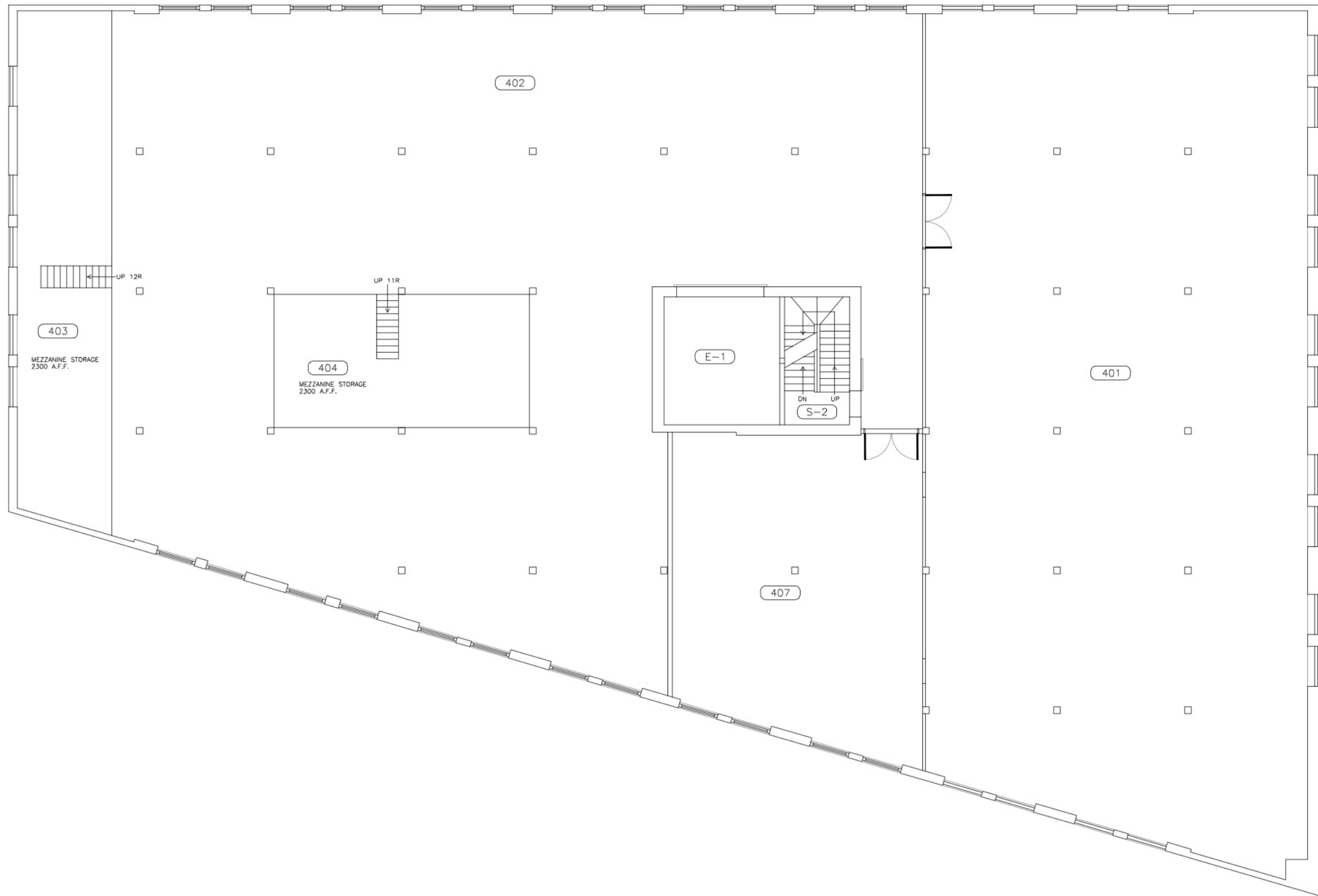
|        |            |
|--------|------------|
| SCALE: | DATE:      |
| 1:150  | 08/06/2001 |

SHEET NAME: Asbuilt

Fourth Floor  
Base Plan

PROJECT TITLE  
847  
John Deere  
Building

|             |                                                                                                |
|-------------|------------------------------------------------------------------------------------------------|
| PROJECT NO. | SHEET                                                                                          |
|             | REV. NO.  |



**Building: John Deere**

**Building Address:** 330 Ontario Avenue

This building contains the following occurrences of ACM ☒ Confirmed ☐ Suspect:

|                                                                                   |                                                                |                                                   |  |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------|--|
| <input checked="" type="checkbox"/> Walls                                         |                                                                |                                                   |  |
| <input type="checkbox"/> Plaster                                                  | <input type="checkbox"/> Drywall joint compound                | <input type="checkbox"/> Ceiling tile             |  |
| <input type="checkbox"/> Texture Coat                                             | <input type="checkbox"/> Fireproofing                          | <input type="checkbox"/> Transite Board           |  |
| <input checked="" type="checkbox"/> Vermiculite Block Walls                       |                                                                |                                                   |  |
| <input type="checkbox"/> Ceiling                                                  |                                                                |                                                   |  |
| <input type="checkbox"/> Drywall                                                  | <input type="checkbox"/> Plaster                               | <input type="checkbox"/> Ceiling tile             |  |
| <input type="checkbox"/> Texture Coat                                             | <input type="checkbox"/> Fireproofing                          | <input type="checkbox"/> Transite Board           |  |
| <input type="checkbox"/> Insulation                                               |                                                                |                                                   |  |
| <input checked="" type="checkbox"/> Flooring                                      |                                                                |                                                   |  |
| <input type="checkbox"/> Vinyl tile                                               | <input checked="" type="checkbox"/> Sheet Flooring – Tan/brown | <input type="checkbox"/> Levelling Compound       |  |
| <input type="checkbox"/> Mastic                                                   |                                                                |                                                   |  |
| <input checked="" type="checkbox"/> Insulation                                    |                                                                |                                                   |  |
| <input checked="" type="checkbox"/> Pipe Fittings                                 | <input checked="" type="checkbox"/> Lineal Pipe Insulation     | <input checked="" type="checkbox"/> Transite Pipe |  |
| <input checked="" type="checkbox"/> Pipe Elbows                                   | <input type="checkbox"/> Joint Mastic                          | <input type="checkbox"/> Parging Cement           |  |
| <input type="checkbox"/> Transite Duct                                            | <input type="checkbox"/> Mechanical Insulation                 | <input checked="" type="checkbox"/> Firestopping  |  |
| <input checked="" type="checkbox"/> Other                                         |                                                                |                                                   |  |
| <input type="checkbox"/> Tar Paper                                                | <input type="checkbox"/> Mastic                                | <input type="checkbox"/> Caulking                 |  |
| <input checked="" type="checkbox"/> Fire Doors – refer to next page for locations |                                                                | <input type="checkbox"/>                          |  |

Building asbestos report is available on the Occupational Health Committee board and on the City of Saskatoon Asbestos Registry: <https://www.saskatoon.ca/business-development/development-regulation/city-facility-reports>.

**Do not disturb materials without proper training, equipment, and authorization.**

An Asbestos Pre-Renovation Assessment (PRA) for ACM and written approval from the Facility Superintendent is required prior to any work that will or may disturb any materials.

- ✓ All known Asbestos Containing Material is labelled, inspected, and maintained in good condition.
- ✓ The purpose of taking these actions is to prevent asbestos from becoming an airborne hazard. Intact and undisturbed asbestos presents no direct health hazard. Asbestos fibres must be inhaled to cause diseases

Report any damaged or suspect material to the Supervisor immediately. For information, contact Facilities & Fleet Management at **306-975-3300**.

## **John Deere Asbestos Fire Doors**

All doorways into the S2 stairwell and all Large doors into the E1 area are asbestos containing as well as the Basement boiler room door (into room 003). Refer to the following description.

### **Lower Level:**

- E1 Freight door
- S2 mandoor
- 003 mandoor into boiler room

### **Main Level:**

- E1 large door X 2 – There are 2 doors on this level into E1 (On the west wall of room 118 and the door on the west side of the E1 shaft).
- S2 mandoor

### **Second Level:**

- E1 Freight door
- S2 mandoor – The inserts, within the door leading to the office area from the stairwell, contains asbestos fire-rated material.

### **Third Level:**

- E1 Freight door
- S2 mandoor

### **Fourth Level:**

- E1 Freight door
- S2 mandoor

***BERSCH & ASSOCIATES LTD.***

November 1, 2016

City of Saskatoon  
Facilities and Fleet Management  
330 Ontario Avenue  
Saskatoon, SK  
S7K 1S3

**ATTENTION: Carla Figg / Jim Gray**

**SUBJECT: Asbestos Site Investigation –Pre-Renovation Project - John Deere Building**

Brad Berschiminsky of Bersch & Associates Ltd. conducted a site visit on November 1, 2016 to investigate various walls, floors and ceilings to determine asbestos content. The results of the site visit verify asbestos sheet flooring and asbestos floor tile is present in room 112 as identified in the February 2015 asbestos survey report. The remainder of the areas examined consist of plywood, wood paneling, brick and mortar and metal materials on the ceiling, wall, and floor surfaces inspected. Please refer to the attached photos and description of the select areas reviewed.

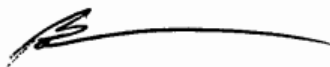
The floor surface in room 112 at the location the electrical services are routed may involve an area removal if the services are brought through the existing floor as part of the kitchenette addition. The floor composition consists of fir lumber on edge, as viewed from the basement level, with the asbestos floor tile and asbestos sheet floor covering above that.

One area not presented with a photo is the 2<sup>nd</sup> level corridor adjacent Room 3A. The paneling on the north wall of the corridor at the penetration of the yellow cable servicing the PA System, consists of 1/8-inch panel board. The paneling does not contain asbestos.

The results for the samples submitted was obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

Please reference the attached bulk analysis report. If any questions arise on the results of the attached information, please contact our office 306 222 7477. Thank you for this opportunity of service!

Sincerely,



Brad Berschiminsky  
Bersch & Associates Ltd.  
File: B67SIK01F

***Bersch & Associates Ltd.***

B67BAK01F

Box 3568

Humboldt, Sask. S0K 2A0

**BULK SAMPLE ANALYSIS REPORT****PROJECT NO: B67.16****CLIENT: CITY OF SASKATOON****CONTACT: CARLA FIGG / JIM GRAY****LOCATION: 330 ONTARIO AVENUE - JOHN DEERE BUILDING**

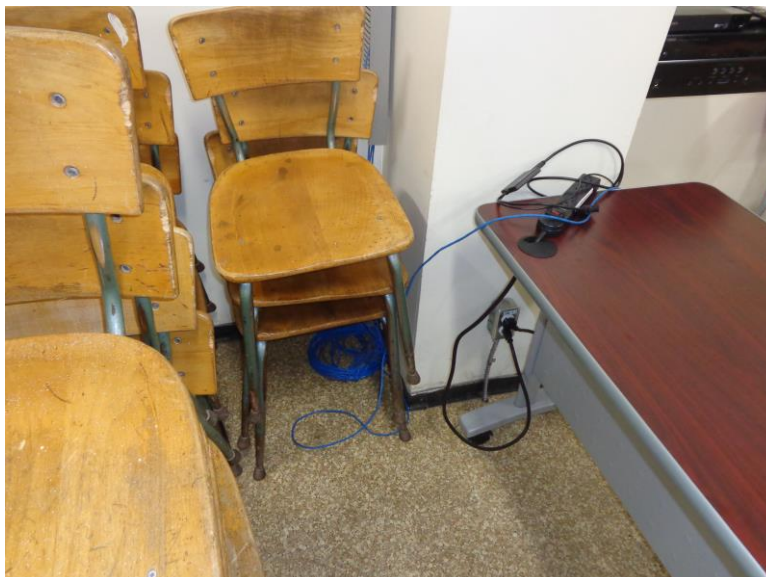
| NO. | DATE     | SAMPLE INFORMATION                                                                                              | ASBESTOS             | % | ANALYST |
|-----|----------|-----------------------------------------------------------------------------------------------------------------|----------------------|---|---------|
| 32  | 1-Nov-16 | 2S2 Stairwell<br>- Terracotta Brick In The Stairwell Above The 2A Electrical Panel.                             | No Asbestos Detected |   | WB      |
| 33  | 1-Nov-16 | 2S2 Stairwell<br>- Mortar In The Terracotta Brick In The Stairwell Above The 2A Electrical Panel.               | No Asbestos Detected |   | WB      |
| 34  | 1-Nov-16 | Exterior Of Building<br>- Mortar In The Beige Brick On The North Wall.                                          | No Asbestos Detected |   | WB      |
| 35  | 1-Nov-16 | Exterior Of Building<br>- Mortar In The Reddish / Yellow Brick Below The Level Glazing Units On The North Wall. | No Asbestos Detected |   | WB      |

## **LOCATIONS EXAMINED**

**AREA 1:** Basement Level Room 001 Looking Up Through the Penetration at the Column Adjacent the Training Room 112 Projector Screen. Fir Timber on Edge, Plywood Floor, Asbestos Floor Tile and Asbestos Sheet Flooring in the 112 Floor Composition.



**AREA 2:** First Level – Room 112 Asbestos Detected in Floor Covering. The floor composition consists of asbestos sheet floor covering and asbestos floor tile above the fir lumber on edge viewed in the above area 1.



**AREA 3:** First Level – Room 112, No Asbestos Detected in Bulk Head Surface. The Surface Consists of Painted 3/8" Plywood.



**AREA 4:** First Level – Room 112, No Asbestos Detected in Bulk Head Surface. This Photo is at the Pipe Hanger to the South of the Projector. The Surface Consists of Painted 3/8" Plywood.



**AREA 5:** First Level – Room 112, No Asbestos Detected on West Wall Surface Where the Projector Screen is Mounted to. The Surface Consists of Painted 3/8" Plywood.



**AREA 6:** First Level – Room 118, No Asbestos Detected on North Wall Surface Where the Conduit is Mounted to. The Surface Consists of Painted 3/8" Plywood.





**AREA 7:** First Level – Room 118, No Asbestos Detected on Overhead Fir Beam Surface the Fan is Mounted to.



**AREA 8:** Second Level – 2S2 Stairwell Upper Northeast Corner Adjacent 2A Electrical Panel. No Asbestos Material Detected in #32 Clay Brick or #33 Brick Mortar Bulk Samples. Refer to the Attached Bulk Analysis Report.



**AREA 9:** Second Level – 236A South Upper Wall Above 2S2 Stairwell Doorway. The Surface Consists of Painted 3/8" Plywood.



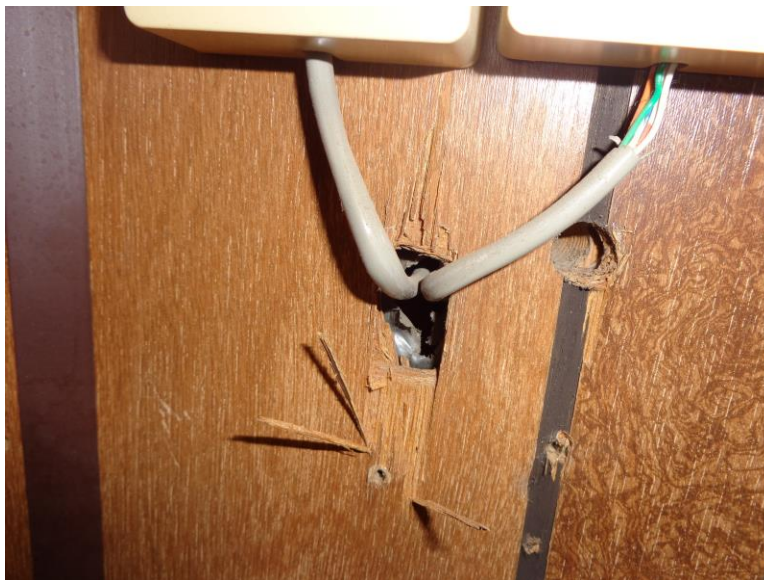
**AREA 10:** Second Level – 236A Upper Southeast Corner. The Surface Consists of Painted 3/8" Plywood.



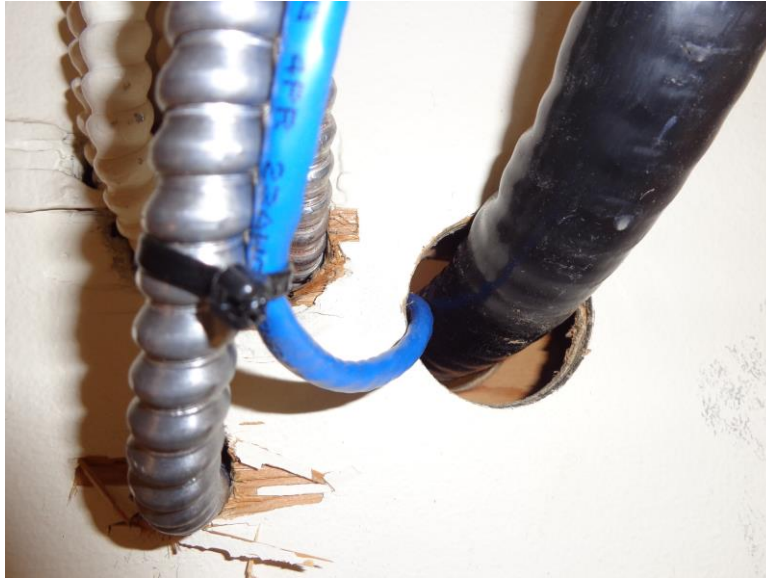
**AREA 11:** Second Level – Room 30 Hardwood Floor Continues Beneath Carpet.



**AREA 12:** Second Level – Room 30 Lower Southwest Corner Wall Composition. Panel Board and Wall Cavity Directly Behind. No Asbestos Material Observed on the Surface or Directly Behind the Paneling on all Four Walls.



**AREA 13:** Second Level – Room 35B West Upper Wall. The Surface Consists of Painted 3/8" Plywood, an Empty Wall Cavity and 3/8" Plywood on the Opposite Side of the Wall (236A Corridor).



**AREA 14:** Second Level – Room 35B Decorative Ceiling. The Surface Consists of Painted Rolled Metal. (Presumed to be Lead).



**AREA 15:** North Exterior Wall. Mortar Within Either Brick Does Not Contain Asbestos.





# **BERSCH**

## **CONSULTING LTD.**

March 14, 2017

City of Saskatoon  
3130 Laurier Drive  
Saskatoon, SK  
S7L 5J7

**ATTENTION: Natalie Scott**

**SUBJECT: Bulk Sample Analysis Report – John Deere Building – Room 110A**

Please find attached the laboratory results for the bulk samples collected March 13<sup>th</sup>, 2017 from John Deere Building located at 450 Ontario Avenue in Saskatoon, SK. The samples were analyzed for the identification of asbestos. Asbestos **was** detected within the samples.

The results for the samples submitted were obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

This test report relates only to the materials sent for examination and any use or extension of the information by the client of these results is the responsibility of the client.

The disruption from the renovation activity throughout the area would not have resulted in an elevated fibre level. The floor tile is a non-friable material, whereas the fibre generation from the removal of the bottom wall plate is very low to almost no measurable level. If any questions arise on the results of the attached information, please contact our office. Thank you for this opportunity of service!

Sincerely,



Brad Berschiminsky  
Bersch Consulting Ltd.  
File No. – B67BLC13G

# **BERSCH**

## **CONSULTING LTD.**

April 4, 2017

City of Saskatoon  
Facilities and Fleet Management  
330 Ontario Avenue  
Saskatoon, SK.  
S7K 1S3

**ATTENTION: Jim Gray**


**SUBJECT: Asbestos Site Investigation – Pre -Renovation Project - John Deere Building – Basement North Wall & Main Floor South Wall.**

Brad Berschiminsky of Bersch Consulting Ltd. conducted a site visit on April 4, 2017 to investigate two areas to determine whether asbestos is a concern. **1) North Basement wall** – SaskEnergy Gas Connection Upgrade and **2) The Main Floor South wall** - Access Card Reader Installation. The site investigation confirms there is no asbestos concerns observed in the 2 areas mentioned above.

The location of the hole(s) that will be drilled through the exterior wall on the 25<sup>th</sup> street side of the building consists of drilling through brick and mortar. A hole was drilled several inches from the inside at a crack in the mortar to verify no other material such as vermiculite wall insulation is present. The second location on the main floor south wall was viewed by pulling the interior wall panel away from the wall. The brick and mortar was observed behind the wall panel with no other insulation present. Samples were previously collected of the mortar on November 1, 2016 resulting in no asbestos detected. Please refer to the attached photos and description of the select areas reviewed.

If any questions arise on the results of the attached information, please contact our office. Thank you for this opportunity of service!

Sincerely,



Brad Berschiminsky  
Bersch Consulting Ltd.  
File No. – B67SID04G

## **LOCATIONS EXAMINED**

**AREA 1:** Basement Level Room 001 in the Northeast Corner Adjacent the Boiler Room Wall at the Location of the SaskEnergy Gas Connection Upgrade.



**AREA 2:** Main Level South Wall of Room 10B – Brick Wall Behind the Poly and Interior Panel at the Location of the Access Card Reader.





***Bersch Consulting Ltd.***

B67BAC13G

244-2002 Quebec Avenue

Saskatoon, SK S7K 1W4

**BULK SAMPLE ANALYSIS REPORT****PROJECT NO: B67.17****CLIENT: CITY OF SASKATOON****CONTACT: NATALIE SCOTT****LOCATION: JOHN DEERE BUILDING - 450 ONTARIO AVE., SASKATOON, SK.**

| NO. | DATE      | SAMPLE INFORMATION                                                                                                             | ASBESTOS                | %    | ANALYST |
|-----|-----------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------|------|---------|
| 1   | 13-Mar-17 | 110A East Wall<br>- Brown/Black Mastic On The Vapour Barrier Of The<br>Fiberglass Insulation.                                  | No Asbestos<br>Detected |      | WB      |
| 2a  | 13-Mar-17 | 110A<br>- 9" x 9" Brown / White & Dark Brown Streak Floor Tile<br>Underneath The Bottom Wall Plate At The Counter<br>Location. | Chrysotile              | 1-5% | WB      |
| 2b  | 13-Mar-17 | 110A<br>- Black, Floor Tile Mastic From Sample 2a.                                                                             | Chrysotile              | 1-5% | WB      |
| 3   | 13-Mar-17 | 110A<br>- Beige, Irregular Shape Pattern, Bottom Layer Of Sheet<br>Flooring.                                                   | No Asbestos<br>Detected |      | WB      |