



FINAL
Asbestos
Reassessment

Hamilton General Hospital
237 Barton Street East, Hamilton,
Ontario

Prepared for:

Hamilton Health Sciences
1200 Main Street West
Hamilton, Ontario, L8N 3Z5

Attention: Corey LeGris
Hazardous Materials Specialist

January 16, 2019

Pinchin File: 217420.030



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EXECUTIVE SUMMARY

Hamilton Health Sciences (Client) retained Pinchin Ltd. (Pinchin) to conduct an asbestos building materials assessment at Hamilton General Hospital, 237 Barton Street East, Hamilton, Ontario. The assessment was performed on August 16, 2018 and December 5, 2018.

The objectives of the assessment were to document the locations of asbestos building materials, evaluate their condition and develop corrective action plans as required for the purposes of long term management. The results of this assessment are not intended for construction, renovation, demolition or project tendering purposes.

The assessed area consisted of the entire building.

SUMMARY OF FINDINGS

Asbestos-containing materials (ACM) are present as follows:

- Residual sprayed fireproofing, chrysotile asbestos;
- Texture finish, chrysotile asbestos;
- Pipe insulation (parging cement), chrysotile asbestos;
- Pipe insulation (Sweatwrap), presumed asbestos;
- Glued-on ceiling tiles, amosite and chrysotile asbestos;
- Plaster finishes, chrysotile asbestos;
- Drywall joint compound, chrysotile asbestos;
- Asbestos cement (Transite), presumed asbestos;
- Vinyl floor tiles and mastic, chrysotile asbestos;
- Tar insulation, suspected chrysotile asbestos; and
- Metallic undercoating on sinks, chrysotile asbestos.



SUMMARY OF RECOMMENDATIONS

The following is a summary of significant recommendations; refer to the body of the report for detailed recommendations:

1. Continue to apply the policies and procedures as outlined in the building's Asbestos Management Program (AMP).
2. Perform a reassessment of asbestos materials on at least an annual basis.
3. Perform a pre-construction assessment and remove all ACM prior to alteration or maintenance work if ACM may be disturbed by the work.
4. Follow appropriate safe work procedures when handling or disturbing asbestos.
5. Remediate the materials as described in Section 4.2.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.



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1.0 INTRODUCTION AND SCOPE

Hamilton Health Sciences (Client) retained Pinchin Ltd. (Pinchin) to conduct an asbestos building materials assessment at Hamilton General Hospital, 237 Barton Street East, Hamilton, Ontario.

The assessment was performed by Leslie Cantar, B.Eng. Mgt., Senior Project Technologist on August 16, 2018 and December 5, 2018. The surveyor was unaccompanied during the assessment. The building was occupied at the time of the assessment.

The objectives of the assessment were to document the locations of asbestos building materials, evaluate their condition and develop corrective action plans as required. This assessment is only to be used for the purposes of long term management and routine maintenance. The results of this assessment are not to be used for construction, renovation, demolition or project tendering purposes.

1.1 Scope of Assessment

The assessment was performed to establish the location and type of asbestos building materials incorporated in the structures and its finishes. The assessed area consisted of all parts of the building.

2.0 BACKGROUND INFORMATION

2.1 Building Description

Item	Details
Building Use	Hospital
Number of Floors/Levels	7 storeys plus one below grade
Structure	Structural steel, concrete, and concrete block
Exterior Cladding	Pre-cast concrete, glass curtain wall, wood, and masonry
HVAC	Forced air and boiler and hot water heating to radiators
Roof	Built-up roofing
Flooring	Vinyl tile, vinyl sheet flooring, wood, carpet, terrazzo, and ceramic tiles
Interior Walls	Drywall, concrete block, and plaster
Ceilings	Drywall, plaster, and acoustic ceiling tiles



2.2 Existing Reports

Pinchin was provided with and instructed to rely upon, the following reports:

- Asbestos-Containing Materials Reassessment – General Hospital, June 15, 2017, Prepared By ECOH, Project No. 17429.
- Bulk Sample Analysis Report – Hamilton General Hospital, May 24, 2017, Prepared By ECOH, Project No. 17429.

Pinchin most recently prepared the following assessment reports which were used for reference:

- “Asbestos Building Materials Reassessment – General Hospital,” dated July 13, 2015 (Pinchin File: 100581.001).
- “Hazardous Building Materials Assessment – Microbiology Bac T Room,” dated May 24, 2018 (Pinchin File: 217420.021).

3.0 FINDINGS

The following section summarizes the findings of the assessment and provides a general description of the asbestos materials identified and their locations. For details on quantities and locations of asbestos materials; refer to the drawings in Appendix I and the data tables in Appendix III.

Existing sampling data from the previous assessments was relied upon.

Materials listed as exclusions in the original assessment report remain as exclusions. See Section 3.7.

The sample numbers referenced below refer to the analytical reports in Appendix II. Project numbers have been included where applicable to distinguish sample numbers from various previous projects.

The drawings in Appendix I indicate the location of exposed friable and non-friable asbestos-containing materials in four separate layers: floor, wall, ceiling and other. The flooring layer includes vinyl floor tiles, the wall layer includes drywall compound and plaster, the ceiling layer includes ceiling tiles or plaster, and the other layer includes items such as: pipe insulation, texture finish, mechanical insulation, etc.

Asbestos-containing materials concealed above solid ceilings, within pipe chases and sporadically above ceiling tiles are not indicated on drawings.

3.1 Main Building

Accessible asbestos-containing building materials in the Main Building have been abated as per HHS records.

Metallic undercoating, containing chrysotile asbestos, is present on sinks within the Main Building (200249.059 sample 007A). Sink undercoating is non-friable and in good condition.

Remaining building materials in the Main Building are non-asbestos, with the exception of presumed asbestos-containing materials as listed in Section 3.7 of this report.



Asbestos-containing metallic undercoating on the bottom of a sink, Level 2 Operating Area.

3.2 East Wing

3.2.1 *Spray-Applied Fireproofing and Thermal Insulation*

Fibrous sprayed fireproofing, present on structural steel beams and corrugated metal deck throughout the third and fourth floors of the East Wing was determined to be non-asbestos based on sampling performed by HHS in January 2013 (EMC Lab Sample No.'s A9601-1 to 9) and by Pinchin in February 2013 (Pinchin File: 71748.003, samples 0001A-G). A previously collected sample (46653.007 sample S012A) was determined to contain chrysotile asbestos; it is assumed this sample contained residual sprayed fireproofing present following abatement and it is not considered to be representative of the remaining sprayed fireproofing present in these areas.

HHS reports that the fibrous sprayed fireproofing was also tested on March 5th, 2011 from the second floor, east wing and results indicate that the fireproofing is non-asbestos containing. Additional sampling performed by ECOH in 2017 confirmed the sprayed fireproofing in the second floor east wing to be non-asbestos (ECOH samples 17429-HG-E2-07A-G).

In areas where the building was originally sprayed with asbestos-containing sprayed fireproofing, it is not possible to locate minor amounts of residual sprayed asbestos left in these areas after application of new, non-asbestos fireproofing. Such residual materials may be found within cavities, shafts, within walls, or fully or partially covered with new asbestos-free re-spray. To attempt to locate these residual pockets of ACM would require extensive demolition, visual investigation of literally every square meter and likely extensive removal and replacement of the new fireproofing.



Fibrous sprayed fireproofing present within the Penthouse (71748.003 samples S001a-c) found a trace amount of chrysotile asbestos (<0.5%). The O.Reg. 278 defines ACM as material that contains 0.5% or more asbestos by dry weight, therefore all sprayed fireproofing can be considered non-asbestos. Additional sampling performed by Pinchin in 2017 confirmed the sprayed fireproofing in the Elevator Penthouse to be non-asbestos (200249.063 samples 004A-C).

Fibrous sprayed fireproofing overspray is present on all items above ceilings and the majority of ceiling mounted systems and fixtures, including but not limited to: conduits, supports, and pipe systems.

Non-asbestos cementitious sprayed fireproofing is present throughout the remaining areas of the East Wing (46653.007 samples 007A-G, 009A-C).

3.2.2 *Texture Finishes (Acoustic/Decorative)*

Acoustic sprayed texture finish, containing chrysotile asbestos (46653.007 sample S043a), is present as a ceiling finish on the plaster ceiling above a drywall ceiling in the Level 1 Washrooms and is suspected to be present above solid ceilings in other washrooms in the northern portion of the East Wing. ACM texture finish is friable, painted and is in good condition.

3.2.3 *Pipe Insulation*

Parging cement, containing chrysotile asbestos, is present on pipe fittings (elbows) at the south wall of the Penthouse (46653.007 sample S013A). Parging cement is a friable insulation, jacketed with canvas and is in good condition.

Sweatwrap insulation, (brown layered paper, presumed to contain asbestos, is present on straight sections of chilled water return system pipes in the Basement. Sweatwrap insulation is considered non-friable. Sweatwrap is jacketed with canvas and is in fair to good condition, with the exception of approximately five square feet of debris present within the Crawlspace on the far end of the Corridor. Presumed asbestos-containing parging cement is present at hangers supporting the pipe. Parging cement is a friable insulation and is in good condition.

Non-asbestos fibreglass insulation is present on the remained of accessible insulated straight runs of piping throughout the Wing.

Pipes insulated with friable asbestos insulations may also be present in inaccessible spaces such as above solid ceilings, in chases, in column enclosures and within shafts, including the areas of non-asbestos sprayed fireproofing.



Asbestos-containing paring cement on pipe fittings, East Wing Mechanical Penthouse.



Suspect asbestos-containing Sweatwrap on pipe straight, Basement.

3.2.4 *Duct Insulation*

Ducts are either uninsulated or insulated with non-asbestos fiberglass (foil-faced or canvas).

Non-asbestos grey mastic is present on ducts in the Penthouse Mechanical Room (ECOH samples 16262-GH-02A).

3.2.5 *Mechanical Equipment Insulation*

Fan units in the Penthouse are insulated with fiberglass or uninsulated.

Rooftop air handling units, on the west roof above the First Floor, are insulated with fiberglass and are covered with tar. The tar is presumed to contain asbestos and is considered to be non-friable and in good condition.

3.2.6 *Vermiculite*

Loose fill vermiculite debris was not observed in the spaces or areas inspected. Destructive testing was not performed and vermiculite may be present within masonry block walls, above solid ceilings or other void spaces.

3.2.7 *Acoustic Ceiling Tiles*

All ceiling tiles are presumed to be non-asbestos based on the date of manufacture determined from the date stamp applied to the top of the tiles (1994-2003). The tiles were manufactured after asbestos stopped being used in acoustic ceiling tiles. Sampling performed by ECOH in 2017 confirmed the acoustic ceiling tiles to be non-asbestos; refer to the bulk sampling report in Appendix IV.

3.2.8 Plaster

Plaster present on walls and ceilings throughout the East Wing does not contain asbestos, as per the ECOH bulk sample analysis report in Appendix IV.

3.2.9 Drywall Joint Compound

Drywall joint compound present on wall and ceiling finishes throughout the East Wing does not contain asbestos, as per the ECOH bulk sample analysis report in Appendix IV.

3.2.10 Asbestos Cement Products (Transite)

HHS reports that Transite duct bank, buried outside of the north side of the Wing under Copeland Avenue, was abated but residual pockets may remain. These pockets remain buried under Copeland Avenue. Transite is a non-friable material and is presumed to be in good condition.

3.2.11 Vinyl Sheet Flooring

Vinyl sheet flooring is present as follows:

Pattern and Colour	Paper Backing (Yes/No)	Locations	Sample Number	Asbestos Type
Speckle, grey-blue	Yes	Elevator Lobby, Fourth Floor	71748.003 S002a-c	None Detected

Remaining vinyl sheet flooring is presumed to be non-asbestos based on historical knowledge of the type of flooring (rubber, corlon).

3.2.12 Vinyl Floor Tile and Mastic

Vinyl floor tiles and mastic were presumed to be non-asbestos based on historical knowledge of the date of installation, as per HHS.

3.2.13 Roofing Products

The built up roofing materials on the small roof on the South End of the East Wing do not contain asbestos (2004249.064 samples 0001A-C).

The remainder of roofing over the East Wing has not been assessed and is presumed asbestos-containing.



3.2.14 *Other Building Materials*

Tile debris was previously identified on the Exterior of the East Wing. This material was previously sampled by HHS and reported to be non-asbestos.

3.3 **North Wing**

3.3.1 *Spray-Applied Fireproofing and Thermal Insulation*

Non-asbestos fibrous sprayed fireproofing was identified on structural steel throughout the main floor of the North Wing (46653.007 samples S034A-C).

3.3.2 *Texture Finishes (Acoustic/Decorative)*

Texture finishes were not observed in the North Wing.

3.3.3 *Pipe Insulation*

Pipes are either uninsulated or insulated with non-asbestos fibreglass.

Pipes insulated with friable asbestos insulations may be present in inaccessible spaces such as above solid ceilings, in chases, in column enclosures and within shafts.

3.3.4 *Duct Insulation*

Ducts are either uninsulated or insulated with non-asbestos fibreglass (foil-faced or canvas).

3.3.5 *Mechanical Equipment Insulation*

Mechanical equipment is either uninsulated or insulated with non-asbestos fibreglass.

3.3.6 *Vermiculite*

Loose fill vermiculite debris was not observed in the spaces or areas inspected. Destructive testing was not performed and vermiculite may be present within masonry block walls, above solid ceilings or other void spaces.

3.3.7 *Acoustic Ceiling Tiles*

All ceiling tiles are presumed to be non-asbestos based on the date of manufacture determined from the date stamp applied to the top of the tiles. The tiles were manufactured after asbestos stopped being used in acoustic ceiling tiles. Sampling performed by ECOH in 2017 confirmed the acoustic ceiling tiles to be non-asbestos; refer to the bulk sampling report in Appendix IV.

3.3.8 *Plaster*

Plaster present on walls and ceilings throughout the assessed area does not contain asbestos, as per the 2008 samples (46653.007 samples S032A-G) and the ECOH bulk sample analysis report in Appendix IV.

3.3.9 *Drywall Joint Compound*

Drywall joint compound present on wall and ceiling finishes throughout the assessed area does not contain asbestos, as per the 2008 sampling (46653.007, nine sample sets) and the ECOH bulk sample analysis report in Appendix IV.

3.3.10 *Asbestos Cement Products (Transite)*

Transite was not found in the North Wing.

3.3.11 *Vinyl Sheet Flooring*

Vinyl sheet flooring is presumed to be non-asbestos based on historical knowledge of the date of installation as described by HHS.

3.3.12 *Vinyl Floor Tile and Mastic*

Vinyl floor tiles were presumed to be non-asbestos based on historical knowledge of the date of installation as described by HHS.

3.4 Intern's Residence/Nurse's Residence/HIU

3.4.1 *Spray-Applied Fireproofing and Thermal Insulation*

Sprayed fireproofing or sprayed thermal insulation was not found in the Intern's Residence.

3.4.2 *Texture Finishes (Acoustic/Decorative)*

Texture finishes were not found in the Intern's Residence.

3.4.3 *Pipe Insulation*

Pipes are either uninsulated or insulated with non-asbestos fibreglass.

3.4.4 *Duct Insulation*

Ducts are either uninsulated or insulated with non-asbestos fibreglass jacketed with either canvas or foil.

3.4.5 *Mechanical Equipment Insulation*

Mechanical equipment is either uninsulated or insulated with non-asbestos fibreglass.



3.4.6 Vermiculite

Loose fill vermiculite debris was not observed in the spaces or areas inspected. Destructive testing was not performed and vermiculite may be present within masonry block walls, above solid ceilings or other void spaces.

3.4.7 Acoustic Ceiling Tiles

Acoustic ceiling tiles in the Intern’s Residence are non-asbestos as per the sampling performed by ECOH in 2017; refer to the bulk sampling report in Appendix IV.

3.4.8 Plaster

Plaster, containing chrysotile asbestos in the finish layer, is present on walls and ceilings throughout the Intern’s Residence (refer to the ECOH bulk sampling report in Appendix IV). Plaster is a non-friable material which may become friable during removal. The plaster is in good condition with the exception of three square feet of damage with four square feet of debris at the exit in the Main Stairwell and one square foot of damage in the Level 2 Washroom where the toilet paper dispenser had been attached to the wall.

3.4.9 Drywall Joint Compound

Drywall joint compound present on wall and ceiling finishes is present in limited areas throughout the assessed area and does not contain asbestos (46653.007 samples S015A-C). Sampling performed by ECOH in 2017 confirmed the drywall joint compound to be non-asbestos; refer to the bulk sampling report in Appendix IV.

3.4.10 Asbestos Cement Products (Transite)

Transite was not found in the Intern’s Residence.

3.4.11 Vinyl Sheet Flooring

Vinyl sheet flooring is present as follows:

Pattern, Colour and Photo Number	Paper Backing (Yes/No)	Locations	Sample Number	Asbestos Type
Light grey pebbles, Photo 1	Yes	Basement Group/Storage Rooms, Level 1 Washrooms	2018-0001A-C	None Detected
Red with streaks, Photo 2	No	Main Stairwell	2018-0002A-C	None Detected
Beige pebbles, Photo 3	Yes	Level 1 South-west Former Washroom	2018-0003A-C	None Detected

The adhesive adhered to the flooring backing does not contain asbestos.

Vinyl sheet flooring (dark grey pebble pattern) observed in the Kitchen is presumed to be non-asbestos based on the lack of a paper backing layer (underpad).

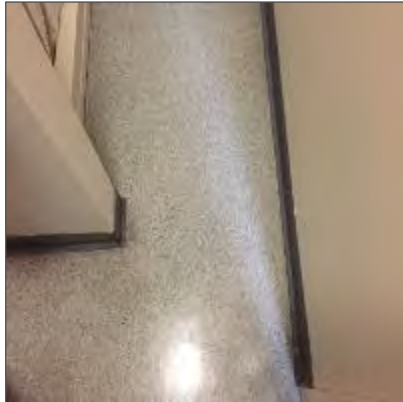


Photo 1 – Non-asbestos vinyl sheet flooring, light grey pebble pattern, Level 1 Washroom.

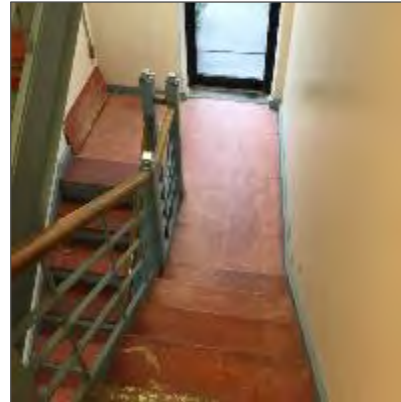


Photo 2 – Non-asbestos vinyl flooring, red with white streaks, Main Stairwell.



Photo 3 – Non-asbestos vinyl sheet flooring, beige pebble pattern, Level 1 South-west Former Washroom.



Photo 4 – Non-asbestos vinyl sheet flooring, dark grey pebble pattern, Level 1 Kitchen Area.

3.4.12 Vinyl Floor Tile and Mastic

Vinyl floor tiles are present as follows:

Size, Pattern, Colour and Photo Number	Locations	Sample Number	Asbestos Type (tile)	Asbestos Type (mastic)
9" x 9" green/grey in checker pattern, Photo 1	First and Second Floor Corridors, Lounges and some Intern's Rooms	2018-0004A-C	Chrysotile	Chrysotile

The vinyl floor tiles and mastic are non-friable and are in good condition.

The remaining three patterns of vinyl floor tiles were presumed to be non-asbestos based on historical knowledge of the date of installation, as reported by HHS.



Photo 1 – Asbestos-containing 9" x 9" vinyl floor tile, green/grey in checker pattern, Second Floor Intern's Room.

3.5 McMaster Wing

3.5.1 Spray-Applied Fireproofing and Thermal Insulation

Cementitious sprayed fireproofing is present on structural steel beams and corrugated metal deck. Sampling performed in 2008 (samples 46653.007 sample 021A) found trace amounts of actinolite (<0.5%) and tremolite asbestos (<0.5%). This small concentration (<0.5%) is present as contamination from vermiculite used in the sprayed fireproofing formulation and therefore the fireproofing is a non-asbestos material. The O.Reg. 278 defines an asbestos-containing material as a material that contains 0.5% or more asbestos by dry weight, therefore all sprayed fireproofing present is considered non-asbestos.

Sprayed fireproofing overspray is present on all above ceiling items and the majority of ceiling mounted systems and fixtures, including but not limited to: conduits, supports, pipe systems. Fireproofing debris is present on horizontal surfaces above ceiling systems.

3.5.2 Texture Finishes (Acoustic/Decorative)

Texture finishes were not found in the McMaster Wing.

3.5.3 Pipe Insulation

Parging cement is present on pipe fittings (elbows, valves, tees, hangers etc.) throughout the McMaster Wing and does not contain asbestos (46653.007 samples 020A-C).

The REA survey report (previous asbestos survey report) indicated asbestos-containing Aircell insulations were present on hot water lines throughout; however, this material was determined to be non-asbestos brown corrugated paper during the 2008 reassessment (46653.007 samples S025a-c).

Remaining pipe straights are either uninsulated or insulated with non-asbestos fibreglass.



Pipes insulated with friable asbestos insulations may also be present in inaccessible spaces such as above solid ceilings, in chases, in column enclosures and within shafts, including the areas of non-asbestos sprayed fireproofing.

3.5.4 Duct Insulation

Ducts are either uninsulated or insulated with non-asbestos fibreglass (foil-faced or canvas).

3.5.5 Mechanical Equipment Insulation

Mechanical equipment is either uninsulated or insulated with non-asbestos fibreglass.

3.5.6 Vermiculite

Loose fill vermiculite debris was not observed in the spaces or areas inspected. Destructive testing was not performed and vermiculite may be present within masonry block walls, above solid ceilings or other void spaces.

3.5.7 Acoustic Ceiling Tiles

The 12" x 12" glue-on ceiling tiles present in the Margaret Charter's Auditorium and adjacent Storage Rooms contain chrysotile and amosite asbestos (46653.007 sample 023A). This type of ceiling tile has pattern of scattered dot and fissures. Ceiling tiles are considered to be potentially friable and are in good condition.

The 12" x 12" glue-on ceiling tiles present in the corridor at the South Stairwell and above the drop ceiling within the Second Floor contain amosite asbestos (ECOH samples 17429-HGMC2-04A-C). This type of ceiling tile has pattern of medium and small pinholes. Ceiling tiles are considered to be potentially friable and are in good condition.

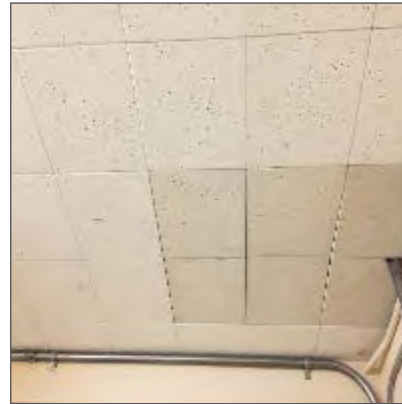
The adhesive present on the backside of the glue-on ceiling tiles is inaccessible for sampling but is presumed to contain asbestos.

One visually distinct type of lay-in acoustic ceiling tile (24" x 24" pinhole & texture) without a date stamp was identified in the McMaster Wing and determined to be non-asbestos by analysis (46653.007 samples 0019A-C). Sampling performed by ECOH in 2017 confirmed the remaining patterns of acoustic ceiling tiles to be non-asbestos; refer to the bulk sampling report in Appendix IV.

All remaining types of acoustic ceiling tile are presumed to be non-asbestos based on the date of manufacture determined from the date stamp applied to the top of the tiles. The tiles were manufactured after asbestos stopped being used in acoustic ceiling tiles.



Asbestos-containing 12" x 12" glued-on ceiling tiles, scattered dot and fissure pattern, Storage Room adjacent to Margaret Charter's Auditorium, Level 1 McMaster Wing.



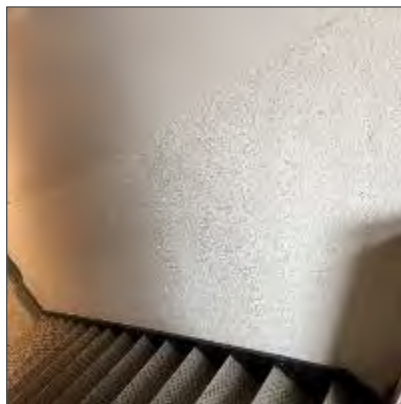
Asbestos-containing 12" x 12" glued-on ceiling tiles, medium and small pinhole pattern, Level 2 Corridor at South Stairwell.

3.5.8 Plaster

Textured plaster, containing chrysotile asbestos in the finish layer, is present on walls within the McMaster Wing (46653.007 sample 017B). Plaster is a non-friable material which may become friable during removal. These findings were confirmed by sampling performed by ECOH in 2017. The plaster ranges from damaged to good condition.

Plaster ceilings in the East and West Stairwells were determined to be non-asbestos by sampling performed by ECOH in 2017 (ECOH samples 17429-HG-MC-02A-G).

Additional sampling performed by ECOH has indicated that all remaining smooth plaster throughout the McMaster Wing is non-asbestos (refer to the bulk sample analysis report in Appendix IV).

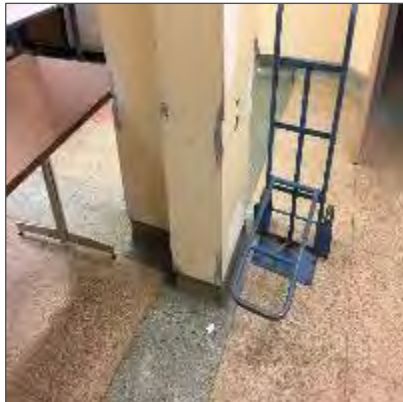


Asbestos-containing textured plaster in Stairwell to Basement.

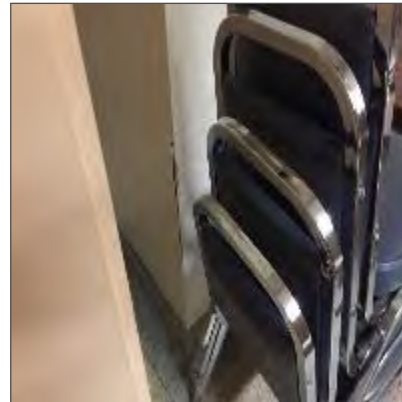
3.5.9 Drywall Joint Compound

Drywall (gypsum board) is present as a wall and ceiling finish throughout the Wing. Sampling performed in 2008 showed the drywall joint compound to contain asbestos on the fifth, sixth and seventh floors (46653.007 samples S029a, S030b, S031a).

Additional sampling performed by ECOH identified chrysotile asbestos in drywall joint compound throughout the McMaster Wing. Assume *all* drywall joint compound in the wing to contain chrysotile asbestos unless specific sampling proves otherwise. Refer to the ECOH bulk sampling report in Appendix IV for sampling details. Drywall joint compound is a non-friable material and was in good condition with the exception of ten square feet at column and wall corners within the Margaret Charter's Auditorium and adjacent room.



Damaged asbestos-containing drywall joint compound at column corners, Room adjacent to Margaret Charter's Auditorium, Basement.



Damaged asbestos-containing drywall joint compound at wall corner, Margaret Charter's Auditorium, Basement.

3.5.10 Asbestos Cement Products (Transite)

Transite was not found in the McMaster Wing.

3.5.11 Vinyl Sheet Flooring

Vinyl sheet flooring, identified as non-asbestos based on the date of installation as reported by HHS, was observed throughout the Wing; however, asbestos-containing vinyl floor tiles are present underneath. Any breaching to the vinyl sheet flooring should be done under Type 1 procedures at a minimum.

Non-asbestos brown vinyl flooring is present within the Stairwell to the Basement (samples 2018-0005A-C).



Non-asbestos brown vinyl flooring, Stairwell to Basement.

3.5.12 Vinyl Floor Tile and Mastic

Accessible vinyl floor tiles were presumed to be non-asbestos based on historical knowledge of the date of installation. Asbestos-containing vinyl floor tiles are present below newer coloured vinyl sheet flooring throughout the Wing. The asbestos-containing tiles can also be assumed to be underneath all newer vinyl floor tiles. Mastic below the floor tiles is presumed to contain asbestos. Floor tiles and mastic are non-friable materials and presumed to be in good condition.

3.5.13 Firestopping or Smoke Sealant

Cementitious grey firestopping present at penetrations in the Level 0 Mechanical Room does not contain asbestos (samples 16262-GH-04A-C).

3.6 Victoria Street Parking Garage

3.6.1 Spray-Applied Fireproofing and Thermal Insulation

Sprayed fireproofing or sprayed thermal insulation was not found in the Victoria Street Parking Garage.

3.6.2 Texture Finishes (Acoustic/Decorative)

Texture finishes were not found in the Victoria Street Parking Garage.

3.6.3 Pipe Insulation

Pipes are either uninsulated or insulated with non-asbestos fibreglass.

3.6.4 Duct Insulation

Ducts are either uninsulated or insulated with non-asbestos fibreglass.



3.6.5 *Mechanical Equipment Insulation*

Mechanical equipment is either uninsulated or insulated with non-asbestos fibreglass.

3.6.6 *Vermiculite*

Loose fill vermiculite debris was not observed in the spaces or areas inspected. Destructive testing was not performed and vermiculite may be present within masonry block walls, above solid ceilings or other void spaces.

3.6.7 *Acoustic Ceiling Tiles*

Acoustic ceiling tiles in the Victoria Street Parking Garage are non-asbestos (ECOH samples 17429-HGPGLab-03A-C and 17429-HGPGO-03A-C).

3.6.8 *Plaster*

Plaster is present on walls and ceilings in limited areas and does not contain asbestos (46653.007 samples S002a-c and S003a-c). These results were confirmed by additional sampling by ECOH (samples).

3.6.9 *Drywall Joint Compound*

Drywall joint compound present on wall and ceiling finishes in limited areas and does not contain asbestos (46653.007 samples S001a-c). These results were confirmed by additional sampling by ECOH (samples 17429-HG-PGLab-01A to C).

3.6.10 *Asbestos Cement Products (Transite)*

Transite was not found in the Victoria Street Parking Garage.

3.6.11 *Vinyl Sheet Flooring*

Vinyl sheet flooring was not found in the Victoria Street Parking Garage.

3.6.12 *Vinyl Floor Tile and Mastic*

Vinyl floor tiles were not found in the Victoria Street Parking Garage.

3.7 Presumed Asbestos Materials

A number of materials which might contain asbestos were not sampled during this assessment due to limitations in scope and methodology. Where present, these materials are presumed to contain asbestos until otherwise proven by sampling and analysis.

Materials presumed to contain asbestos include:

- Roofing, felts and tar
- Concrete floor levelling compound
- Elevator and lift brakes
- Electrical components or wiring within control centers, breakers, motors or lights, insulation on wiring
- Vermiculite in concrete block wall cavities
- Adhesives and duct mastics
- Caulking
- Paper products
- Soffit and fascia boards
- Mechanical packing, ropes and gaskets
- Fire resistant doors or metal clad finishes
- Vibration dampers on HVAC equipment

4.0 RECOMMENDATIONS

4.1 General

Perform a detailed intrusive assessment prior to building renovation or demolition operations. The assessment should include destructive testing (i.e. coring and/or removal of building finishes and components), and sampling of other hazardous materials (lead, mercury, PCBs, mould, etc.) and materials not tested in this study (e.g. roofing materials, caulking, mastics).

4.2 Remedial Work

The following remedial work is recommended.

Material, Quantity & Condition, Photo #	Location	Recommended Procedure
Plaster, 3 square feet in poor condition and 4 square feet of debris, Photo 1	Ground Floor of Intern's Residence at exit in Main Stairwell	Remove, clean-up, and repair in accordance with Type 2 asbestos abatement procedures
Plaster, 1 square foot in fair condition, Photo 2	Interns' Residence, Level 2 Washroom adjacent to Main Stairwell	Repair in accordance with Type 2 asbestos abatement procedures



Material, Quantity & Condition, Photo #	Location	Recommended Procedure
Textured plaster, 5 square feet in poor condition and 5 square feet of debris, Photo 3	Basement of McMaster Wing below stairs, near Mechanical Room	Remove, clean-up, and repair in accordance with Type 2 asbestos abatement procedures
Textured plaster, 5 square feet of debris, Photo 4	Vacant Offices in Basement of McMaster Wing	Clean-up in accordance with Type 2 asbestos abatement procedures
Drywall joint compound on wall, 5 square feet in poor condition, Photo 5	Margaret Charter's Auditorium in McMaster Wing	Remove, clean-up, and repair in accordance with Type 1 asbestos abatement procedures
Drywall joint compound on columns, 8 square feet in poor condition and 1 square foot of debris, Photo 6	Storage Room adjacent to Margaret Charter's Auditorium in McMaster Wing	Remove, clean-up, and repair in accordance with Type 1 asbestos abatement procedures
Textured plaster, 3 square feet of debris below radiator, Photo 7	Landing between Level 1 and Level 2, South Stairwell of McMaster Wing	Clean-up in accordance with Type 2 asbestos abatement procedures
Textured plaster, 3 square feet of debris below radiator, Photo 8	Landing between Level 2 and Level 3, South Stairwell of McMaster Wing	Clean-up in accordance with Type 2 asbestos abatement procedures
Presumed Sweatwrap pipe insulation, 5 square feet of debris	Crawlspace access at far end of East Wing Basement Corridor	Limit access to Type 2 procedures, sample the material to determine if it is asbestos-containing and/or clean-up in accordance with Type 2 asbestos abatement procedures.



Photo 1 - Damaged asbestos-containing plaster and debris at exit door, Intern's Residence, Main Stairwell.



Photo 2 – Damaged asbestos-containing plaster on wall, Intern's Residence, Level 2 Washroom adjacent to Main Stairwell.

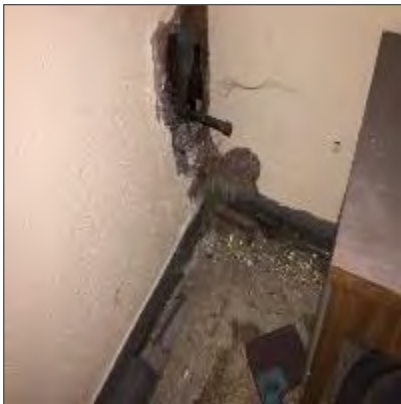


Photo 3 – Damaged asbestos-containing plaster and debris, McMaster Wing Basement below stairs near Mechanical Room.

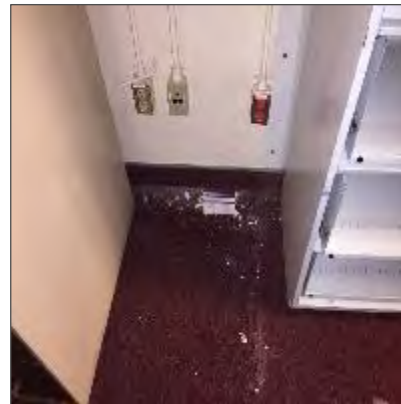


Photo 4 – Asbestos-containing plaster debris, McMaster Wing Basement Vacant Offices.

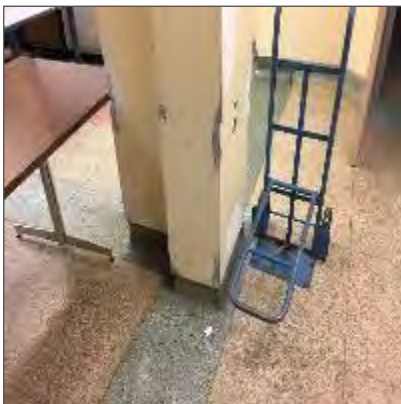


Photo 5 - Damaged asbestos-containing drywall joint compound at column corners, Room adjacent to Margaret Charter's Auditorium, Basement.

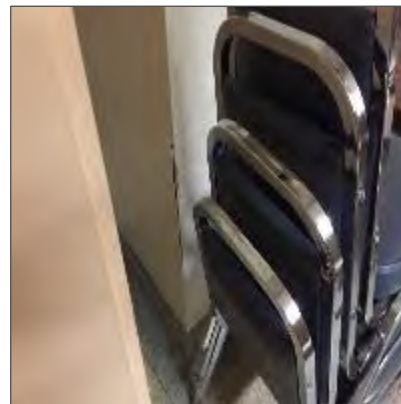


Photo 6 - Damaged asbestos-containing drywall joint compound at wall corner, Margaret Charter's Auditorium, Basement.



Photo 7 – Asbestos-containing plaster debris below radiator, Landing between Level 1 and 2, South Stairwell of McMaster Wing.



Photo 8 – Asbestos-containing plaster debris below radiator, Landing between Level 2 and 3, South Stairwell of McMaster Wing.

4.3 On-going Management and Maintenance

The following recommendations are made regarding on-going management and maintenance work involving the asbestos materials identified.

4.3.1 Asbestos

Continue to apply the policies and procedures as outlined in the building's Asbestos Management Program (AMP).

Perform a reassessment of asbestos materials on at least an annual basis.

Remove asbestos-containing materials (ACM) prior to alteration or maintenance work if ACM may be disturbed by the work. Follow appropriate asbestos precautions for the classification of work being performed.

Update the asbestos inventory report upon completion of any abatement and removal of asbestos-containing materials.

5.0 TERMS AND LIMITATIONS

This work was performed subject to the Terms and Limitations presented or referenced in the proposal for this project.

Information provided by Pinchin is intended for Client use only. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law. Any use by a third party of reports or documents authored by Pinchin or any reliance by a third party on or decisions made by a third party based on the findings described in said documents, is the sole responsibility of such third parties.



Asbestos Reassessment

Hamilton General Hospital, 237 Barton Street East, Hamilton, Ontario
Hamilton Health Sciences

January 16, 2019
Pinchin File: 217420.030
FINAL

Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted. No other warranties are implied or expressed.

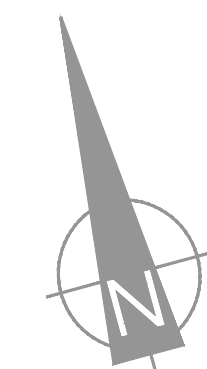
6.0 REFERENCES

The following legislation and documents were referenced in completing the assessment and this report:

1. Asbestos on Construction Projects and in Buildings and Repair Operations, Ontario Regulation 278/05.
2. Designated Substances, Ontario Regulation 490/09.

\\pinchin.com\ham\Job\217000s\0217420.000 HAMILTONHEALT.Various2018Pr.ASB,CONS\0217420.030
HAMHEALT,2018AsbReassess,VarSit,ASB,CONS\Deliverables\HGHV217420.030 Final Asbestos Reassessment Report Hamilton General Hospital HHS January 16 2019.docx
Template: Master Report for Asbestos Assessment, Haz, March 27, 2018

APPENDIX I
Drawings



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
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9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

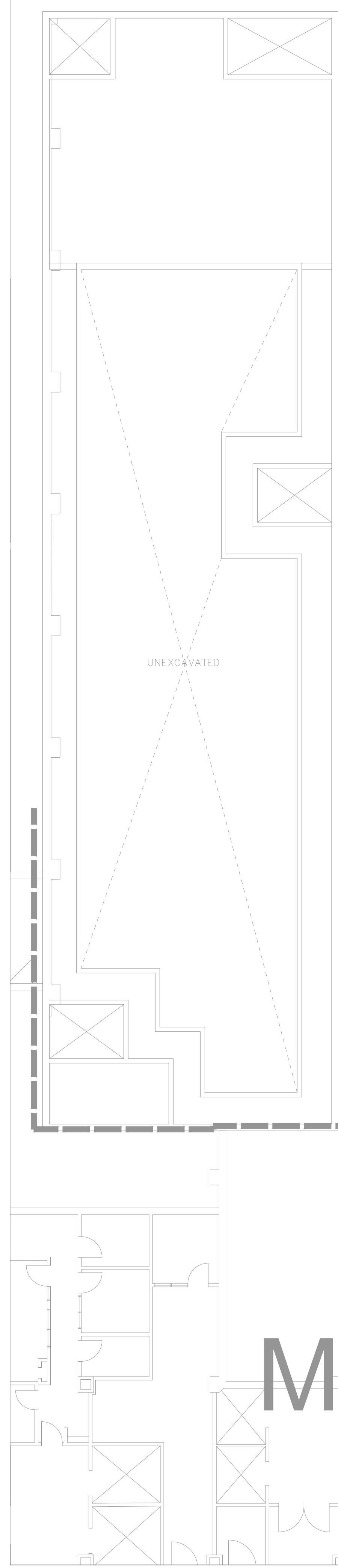
- LEGEND - FLOORS**
-  ACM VINYL FLOOR TILES
 -  ACM VINYL SHEET FLOORING
 -  ACM ABATED AREA AS PER HHS RECORDS

NORTH WING LEVEL 0

EAST WING LEVEL 0

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MAIN BUILDING - LEVEL 0

GENERAL SITE



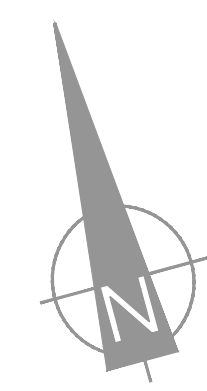
PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 0
ACM ON FLOORS

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: 51925030 RA-01 Floor Level 0 EW and NW HIGH

RA-01A

SHEET SIZE = ARCH D - 24" x 36" (METERIAL) - 610mm x 914mm (METRIC)



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7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

LEGEND - WALLS

	ACM DRYWALL JOINT COMPOUND ON WALLS
	ACM PLASTER ON WALLS
	NO ACM PRESENT
	ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 0 ACM ON WALLS

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: 2018030 RA-01 Floor Level 0 FW and NW HIGH

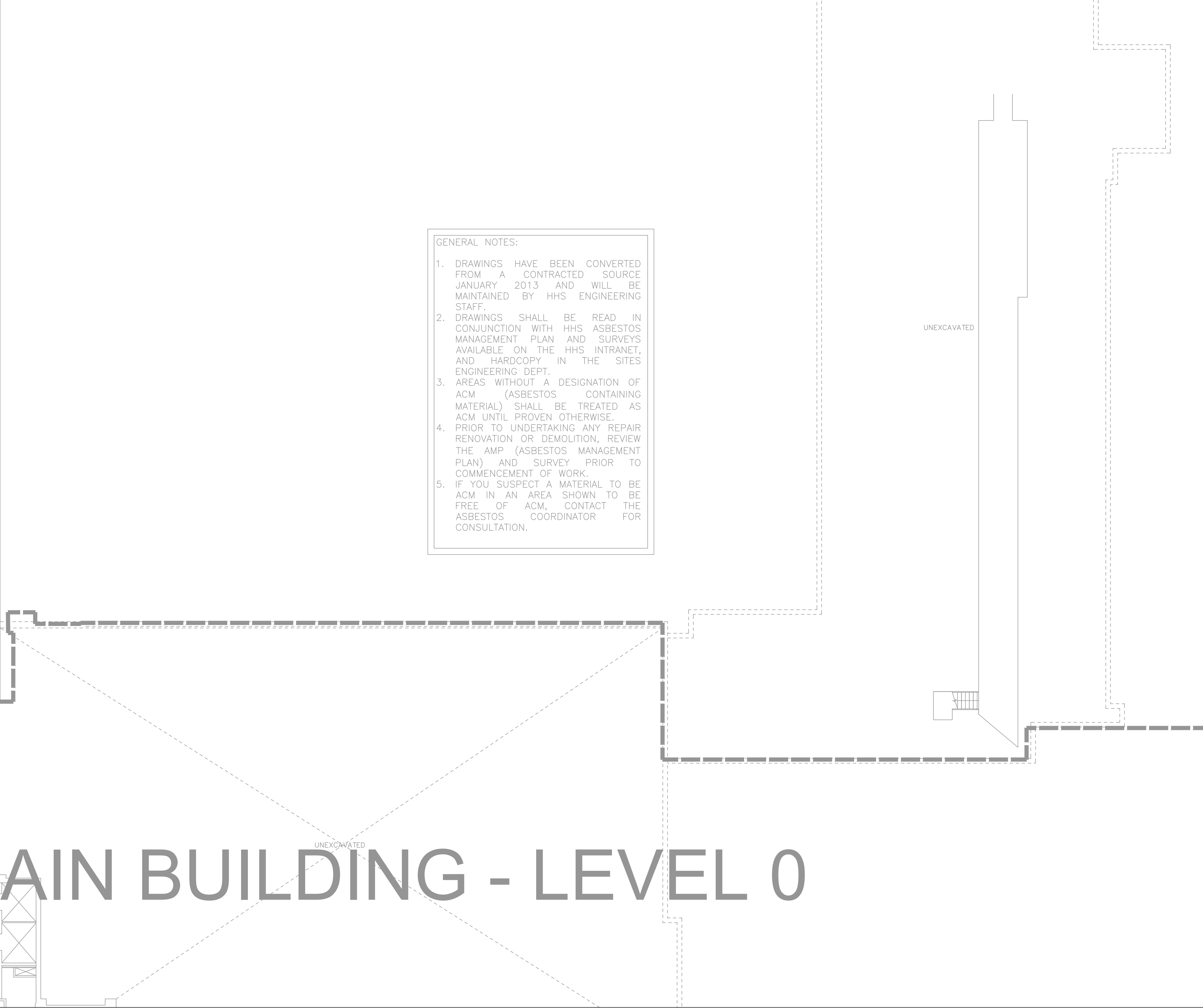
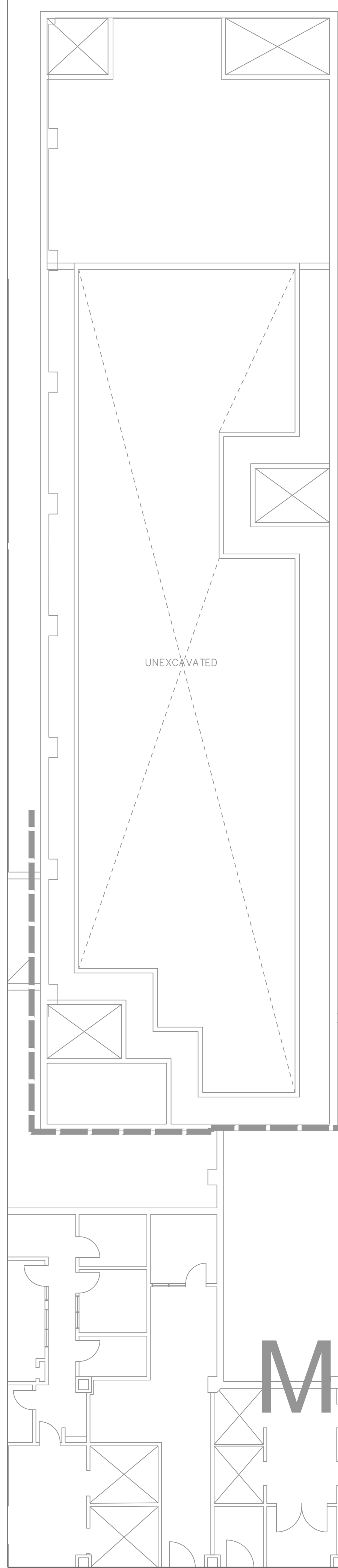
RA-01B

NORTH WING LEVEL 0

EAST WING LEVEL 0

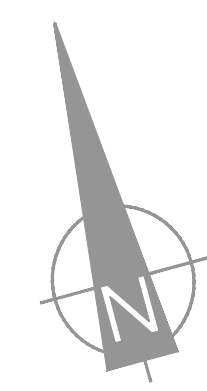
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MAIN BUILDING - LEVEL 0

SHEET SIZE = ARCH D - 24" x 36" (METER) = 610mm x 914mm (METRIC)



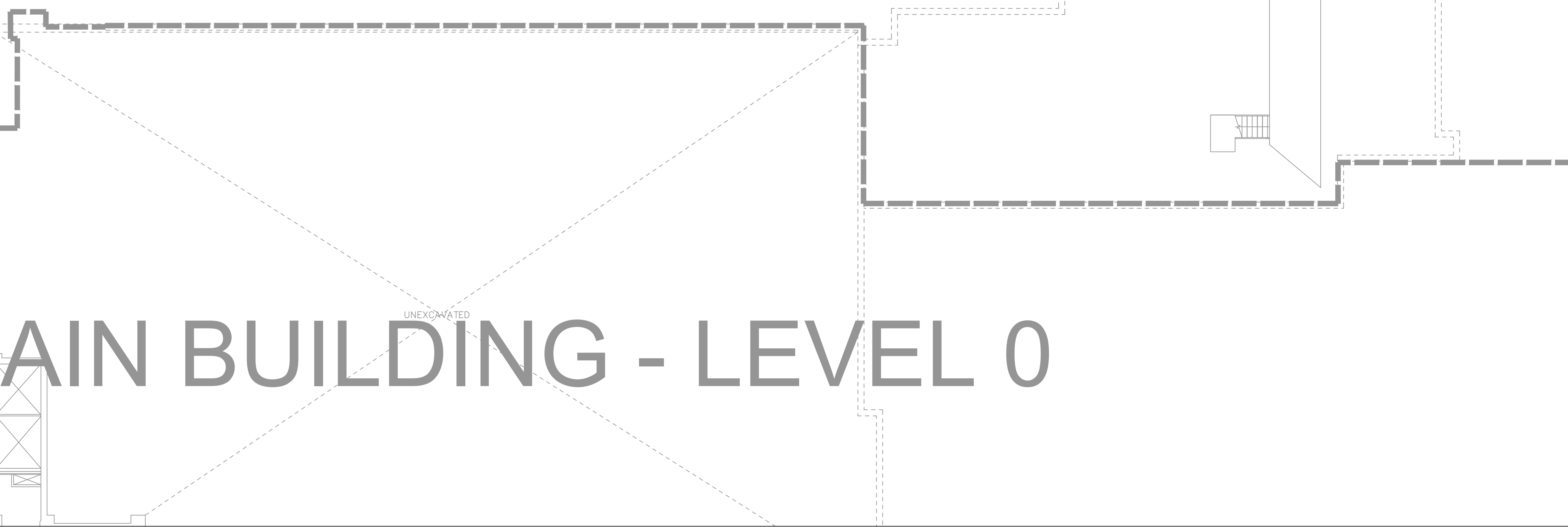
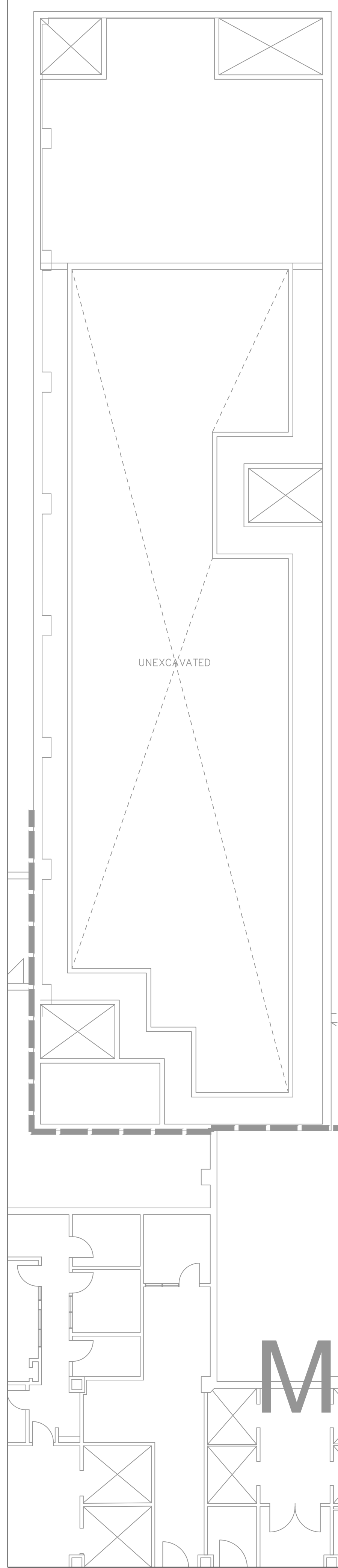
KEY PLAN N.T.S.

NORTH WING LEVEL 0

EAST WING LEVEL 0

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MAIN BUILDING - LEVEL 0

UNEXCAVATED

UNEXCAVATED

NO.	DATE	M/D/Y	REVISIONS	BY
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7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

LEGEND - CEILING

	ACM TEXTURE FINISH ABOVE DRYWALL CEILING
	NO ACM PRESENT
	ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

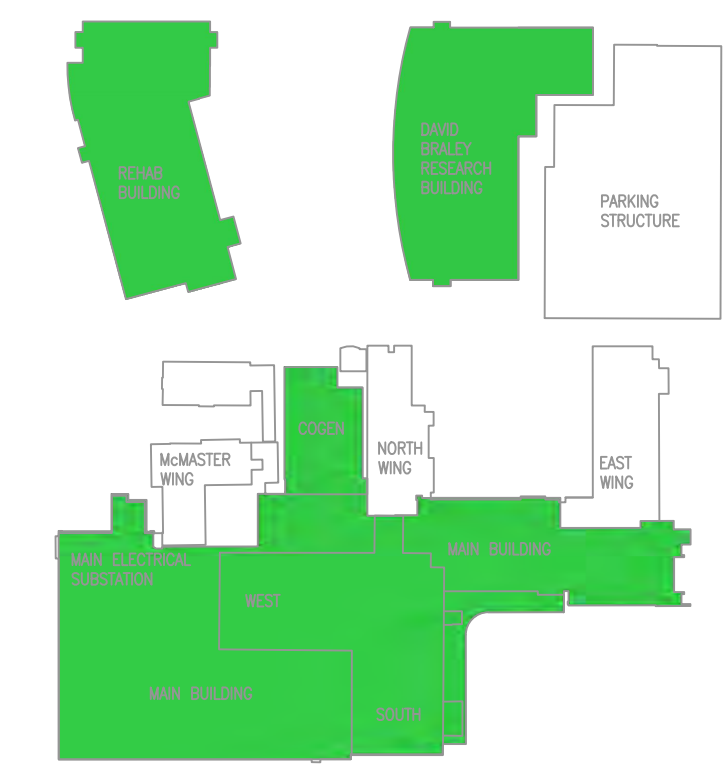
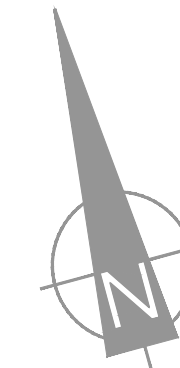
DRAWING:
EAST WING AND NORTH WING LEVEL 0 ACM ON CEILINGS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE # 1406030 RA-01 Floor Level 0 FW and NW HIGH

DRAWING No. **RA-01C**

SHEET SIZE = ARCH D - 24" x 36" (METERS) = 610mm x 914mm (METERS)

T TRANSITE DUCT BANK
LEVEL 0 BURIED UNDER ROAD



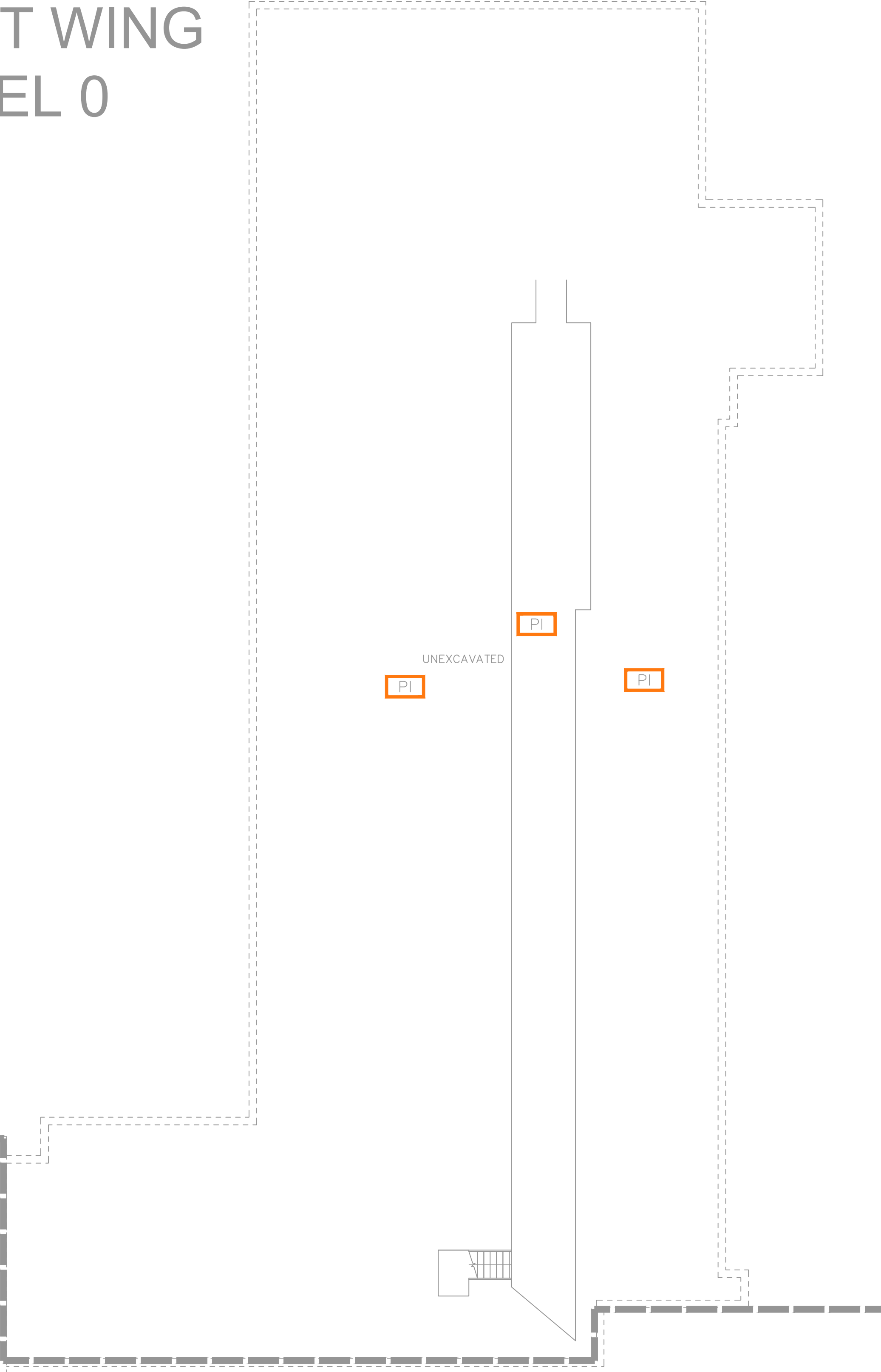
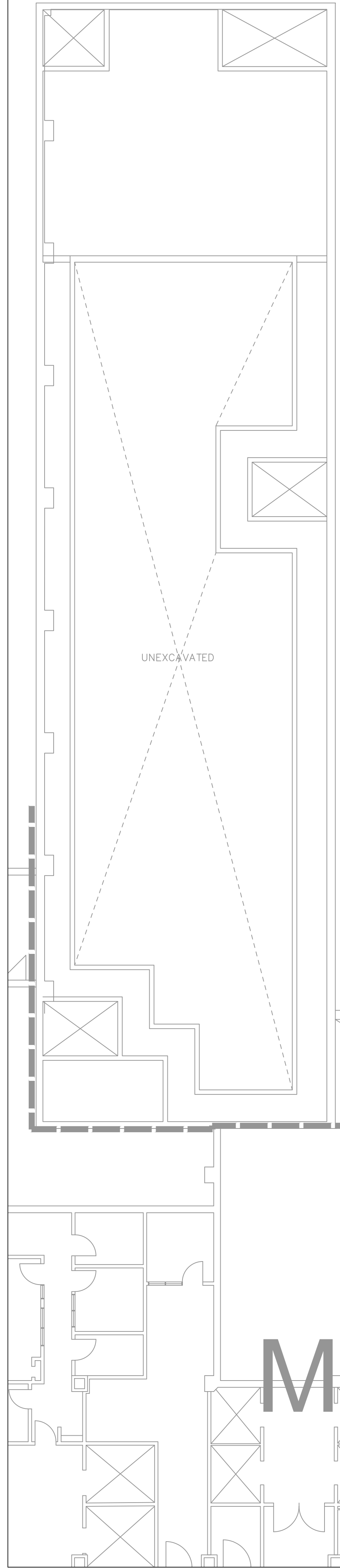
KEY PLAN N.T.S.

NORTH WING LEVEL 0

EAST WING LEVEL 0

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MAIN BUILDING - LEVEL 0

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11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - OTHER

- PI** ACM PIPE INSULATION
- DI** ACM DUCT INSULATION
- MI** ACM MECHANICAL INSULATION
- T1** TYPE 1 ENTRY
- T2** TYPE 2 ENTRY
- T3** TYPE 3 ENTRY
- TF** ACM TEXTURE FINISH
- FS** ACM FIRESTOPPING
- T** TRANSITE
- NAR** NO ACCESS TO ROOM/AREA

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

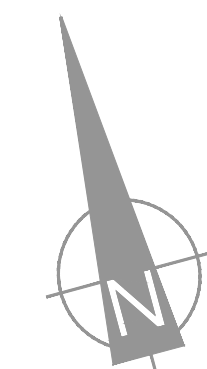
DRAWING:
EAST WING AND NORTH WING LEVEL 0 OTHER ACM

PLOT DATE: NOVEMBER 2018
SCALE: N.T.S.
DRAWN BY: JORDAN BOULOS

DEPARTMENT: HAZARDOUS MATERIALS
SUPERVISOR: MICHAEL MAIORANA
FILE NAME: 2018030 RA-01 Floor Level 0 FW and NW HIGH

DRAWING No. RA-01D

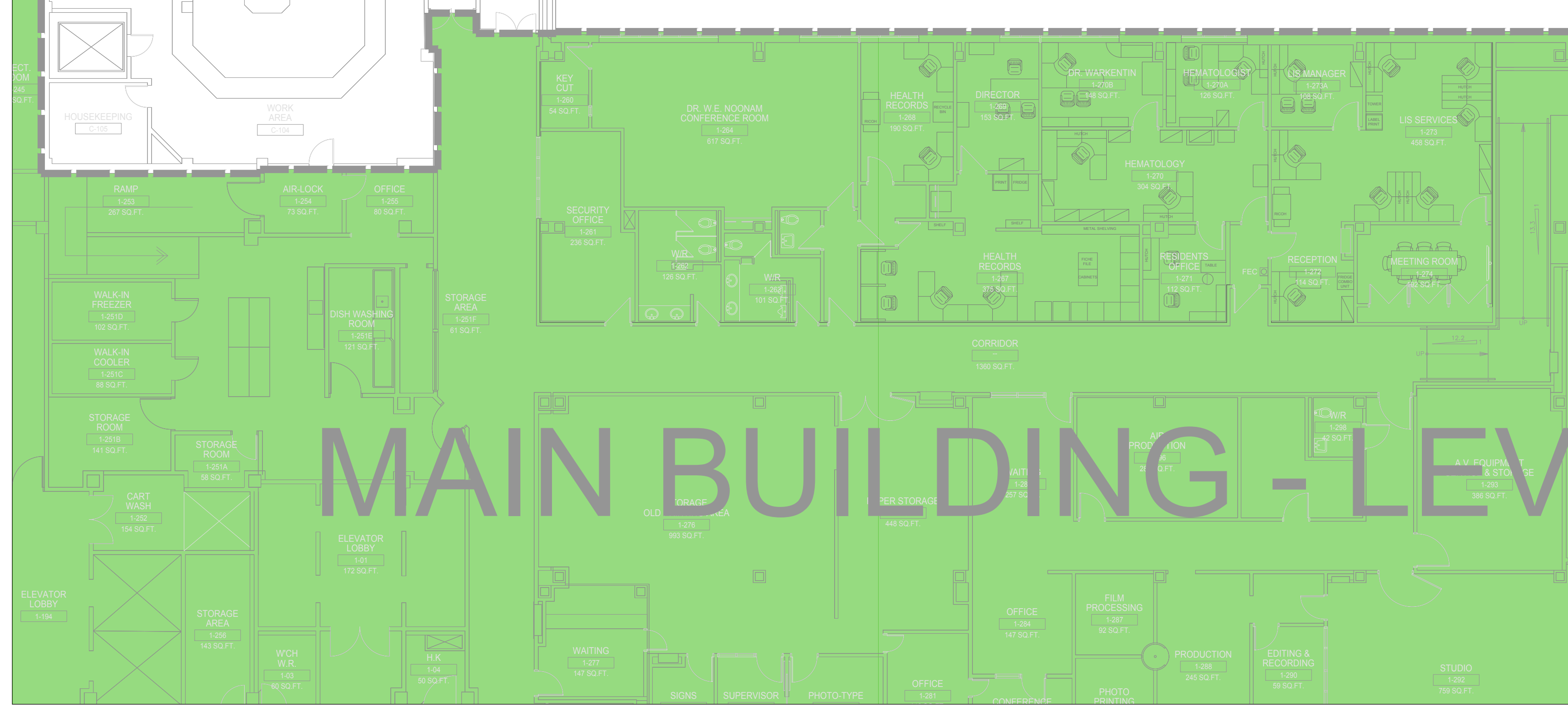
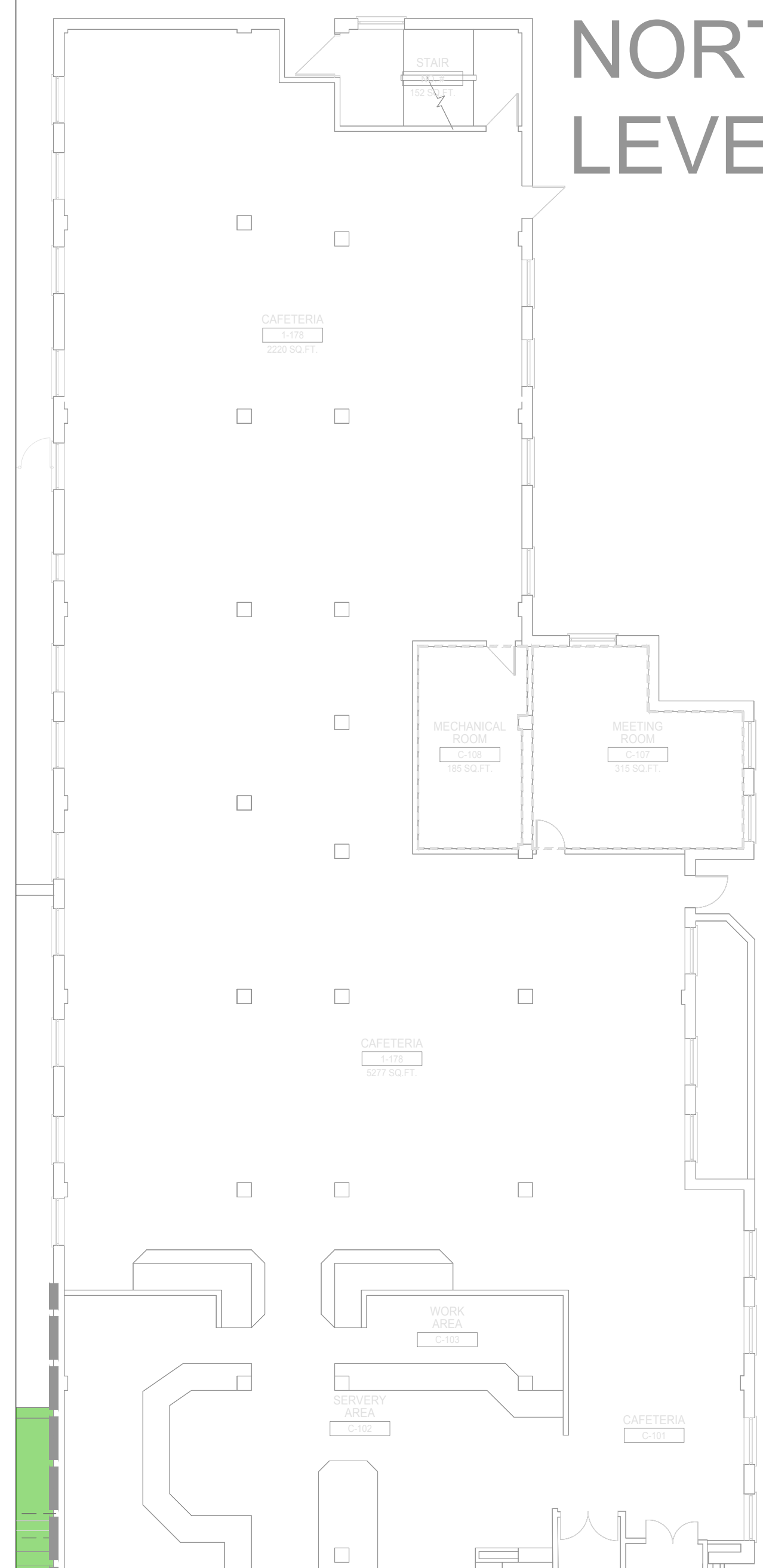
SHEET SIZE = ARCH 'D' - 24" x 36" (METERS) = 610mm x 914mm (METRIC)



KEY PLAN N.T.S.

NORTH WING LEVEL 1

EAST WING LEVEL 1



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11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

- LEGEND - FLOORS**
- ACM VINYL FLOOR TILES
 - ACM VINYL SHEET FLOORING
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

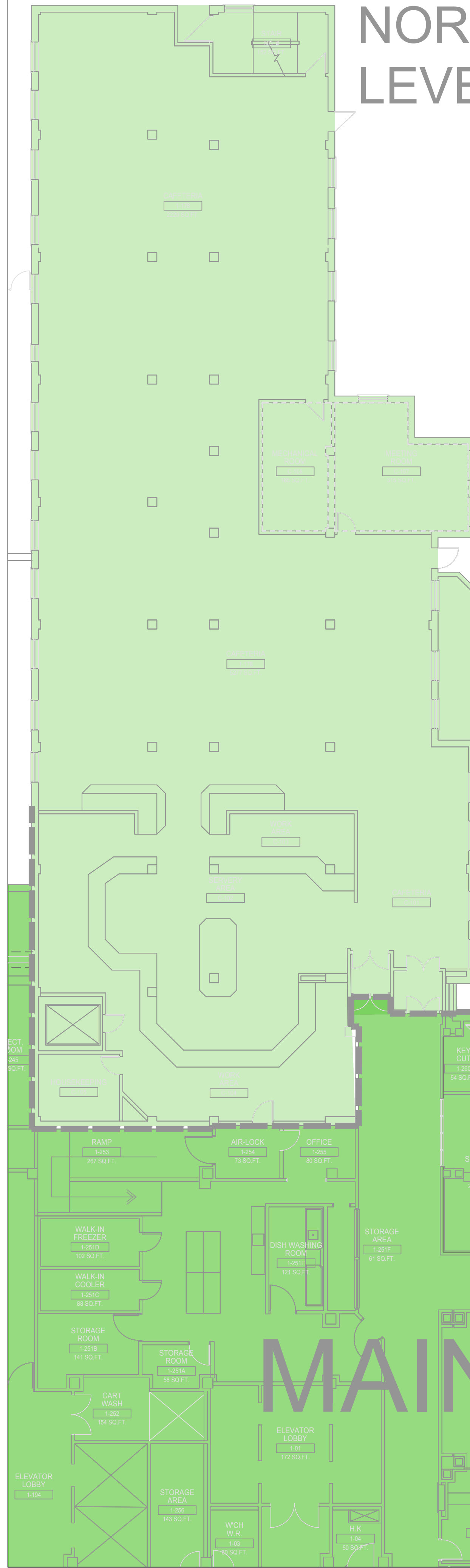
PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: EAST WING AND NORTH WING LEVEL 1 ACM ON FLOORS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE NAME: 51925030 RA-02 Floor Level
DRAWING No. 1 EW and NW HIGH

RA-02A

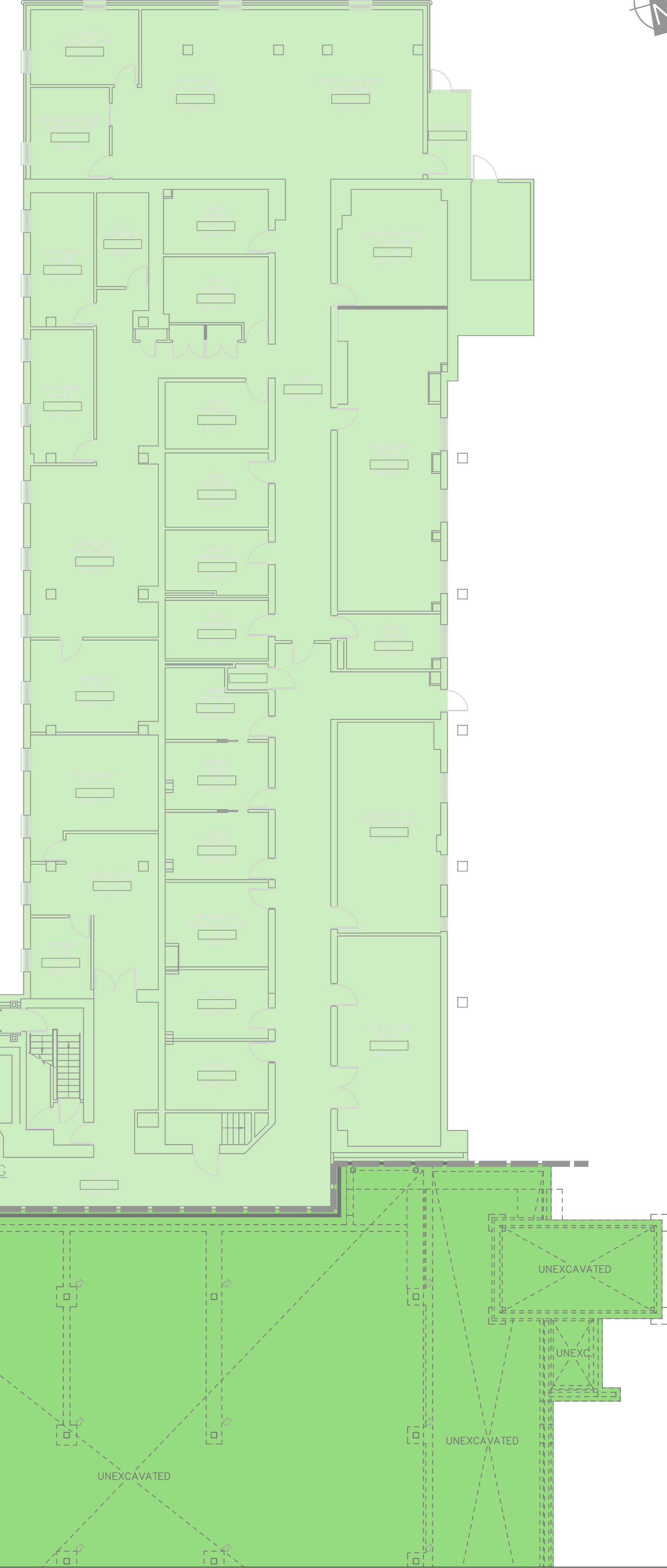
SHEET SIZE = ARCH D - 24" x 36" (METERIAL) - 610mm x 914mm (METRIC)



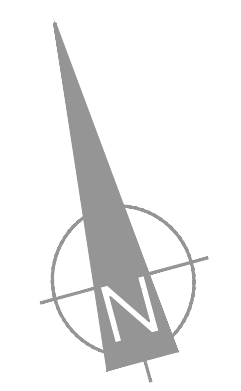
NORTH WING LEVEL 1

EAST WING LEVEL 1

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MAIN BUILDING - LEVEL 1



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8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

- LEGEND - WALLS**
- ACM DRYWALL JOINT COMPOUND ON WALLS
 - ACM PLASTER ON WALLS
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

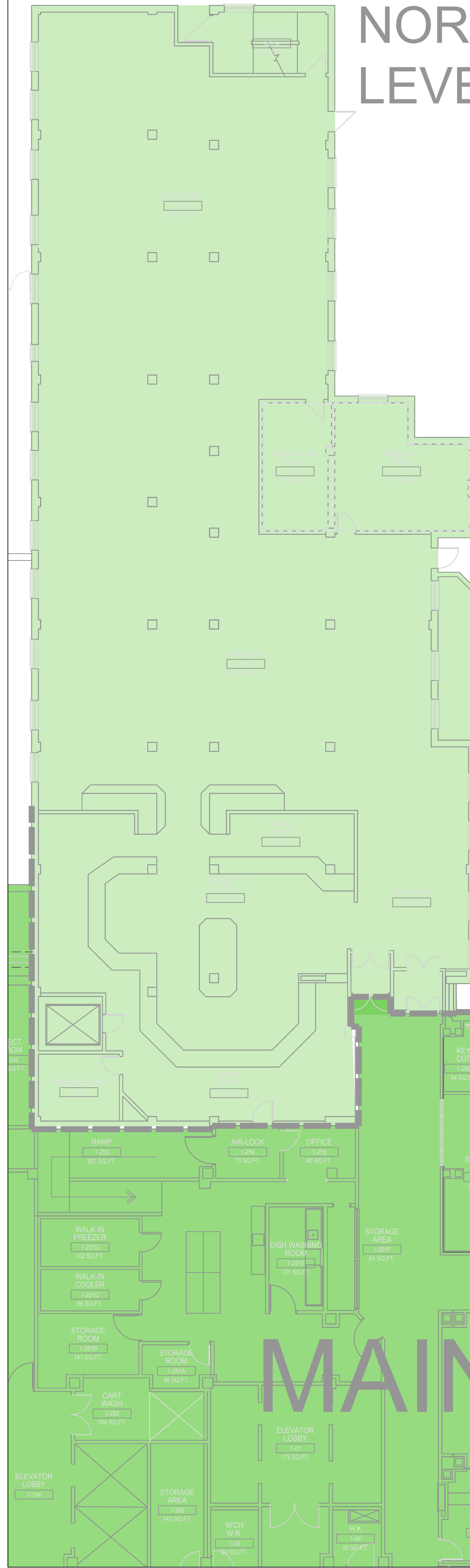
PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 1 ACM ON WALLS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE NAME: 2018030 RA-02 Floor Level 1 EW and NW HIGH

DRAWING No. **RA-02B**

SHEET SIZE = ARCH D - 24" x 36" (MPEBA) - 610mm x 914mm (MTRC)



NORTH WING LEVEL 1

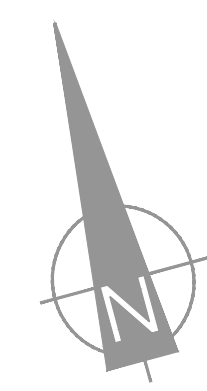
GENERAL NOTES:

1. DRAWINGS HAVE BEEN CONVERTED FROM A CONTRACTED SOURCE JANUARY 2013 AND WILL BE MAINTAINED BY HHS ENGINEERING STAFF.
2. DRAWINGS SHALL BE READ IN CONJUNCTION WITH HHS ASBESTOS MANAGEMENT PLAN AND SURVEYS AVAILABLE ON THE HHS INTRANET, AND HARDCOPY IN THE SITES ENGINEERING DEPT.
3. AREAS WITHOUT A DESIGNATION OF ACM (ASBESTOS CONTAINING MATERIAL) SHALL BE TREATED AS ACM UNTIL PROVEN OTHERWISE.
4. PRIOR TO UNDERTAKING ANY REPAIR RENOVATION OR DEMOLITION, REVIEW THE AMP (ASBESTOS MANAGEMENT PLAN) AND SURVEY PRIOR TO COMMENCEMENT OF WORK.
5. IF YOU SUSPECT A MATERIAL TO BE ACM IN AN AREA SHOWN TO BE FREE OF ACM, CONTACT THE ASBESTOS COORDINATOR FOR CONSULTATION.

EAST WING LEVEL 1



MAIN BUILDING - LEVEL 1



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - CEILING

- ACM TEXTURE FINISH ABOVE DRYWALL CEILING
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

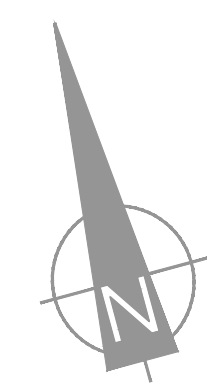
DRAWING:
EAST WING AND NORTH WING LEVEL 1 ACM ON CEILINGS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE # 160030 RA-02 Floor Level 1 EW and NW HIGH
DRAWING No.

RA-02C

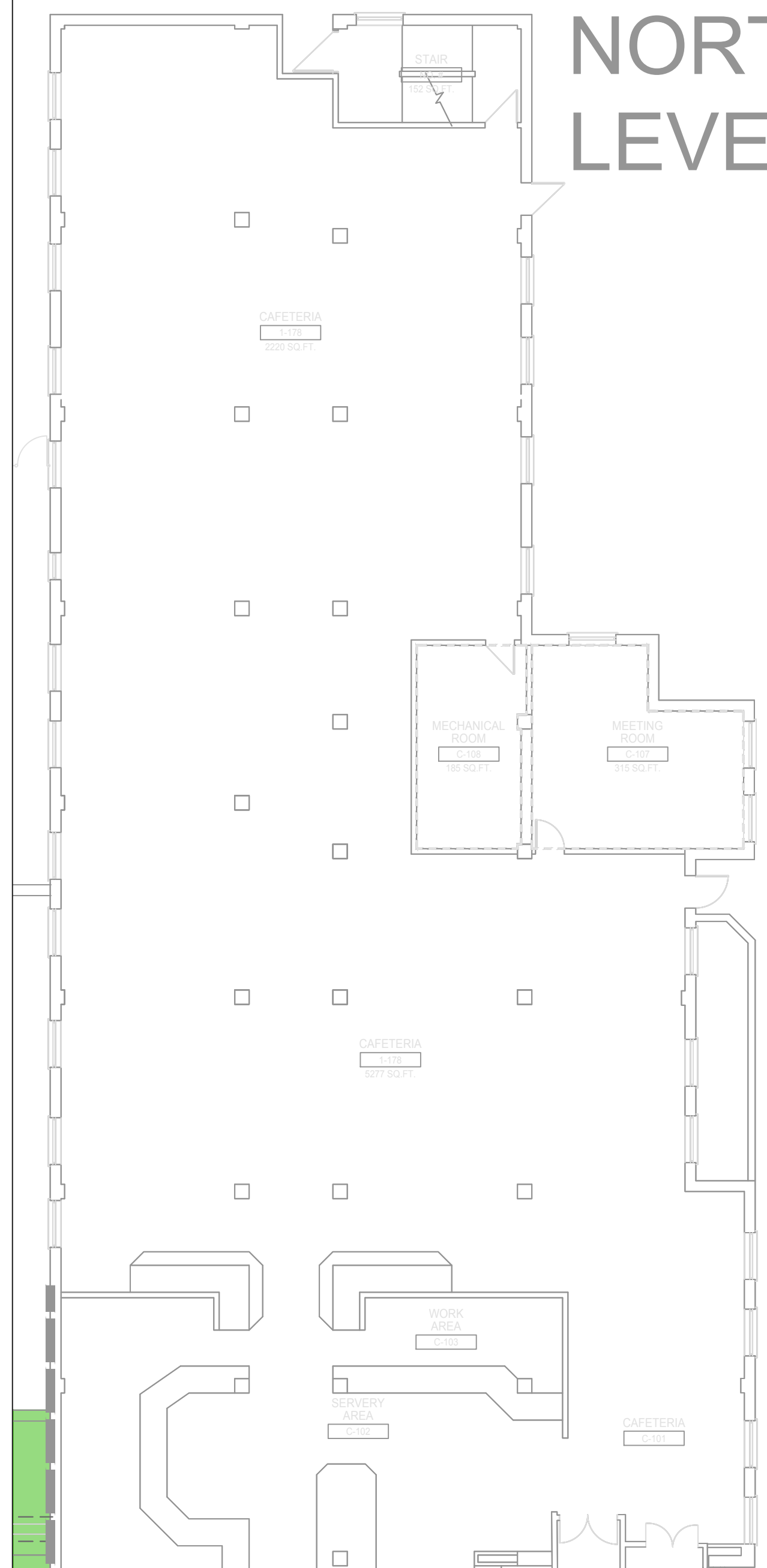
SHEET SIZE = ARCH D - 24" x 36" (MPEBA) - 610mm x 914mm (MTRC)

T TRANSITE DUCT BANK
LEVEL 0 BURIED UNDER ROAD



NORTH WING LEVEL 1

EAST WING LEVEL 1



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- IF YOU SUSPECT A MATERIAL TO BE ACM IN AN AREA SHOWN TO BE FREE OF ACM, CONTACT THE ASBESTOS COORDINATOR FOR CONSULTATION.



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECHO	MM
10	6/15/2017		UPDATED BY ECHO	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - OTHER

- PI ACM PIPE INSULATION
- DI ACM DUCT INSULATION
- MI ACM MECHANICAL INSULATION
- T1 TYPE 1 ENTRY
- T2 TYPE 2 ENTRY
- T3 TYPE 3 ENTRY
- TF ACM TEXTURE FINISH
- FS ACM FIRESTOPPING
- T TRANSITE
- NAR NO ACCESS TO ROOM/AREA

GENERAL SITE



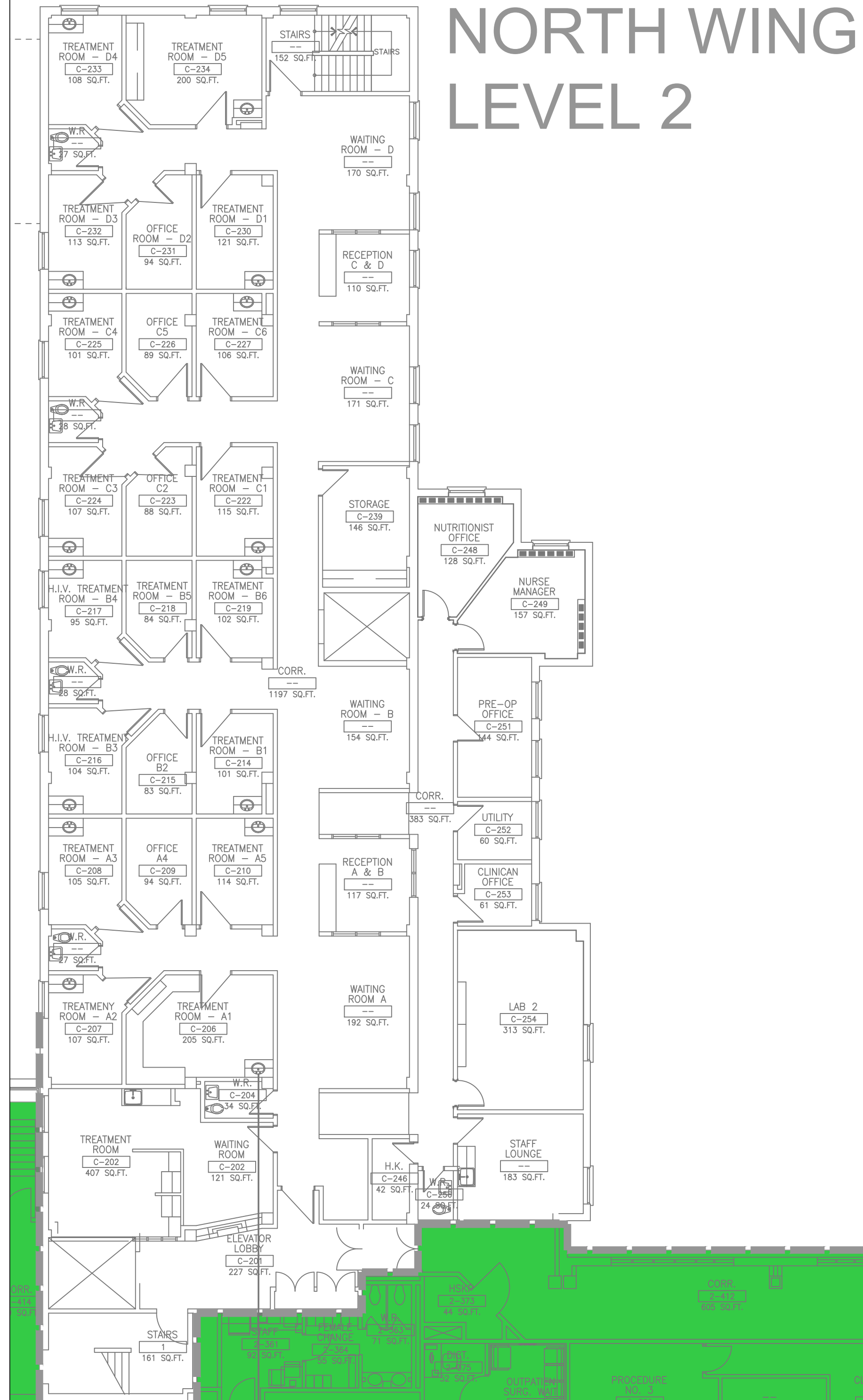
PROJECT:
HAMILTON GENERAL HOSPITAL -
237 BARTON ST. EAST, ASBESTOS
MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING
LEVEL 1
OTHER ACM

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NO: 160030 RA-02 Floor Level 1 EW and NW HIGH

RA-02D

SHEET SIZE = ARCH D - 24" x 36" (METER) = 610mm x 914mm (METER)

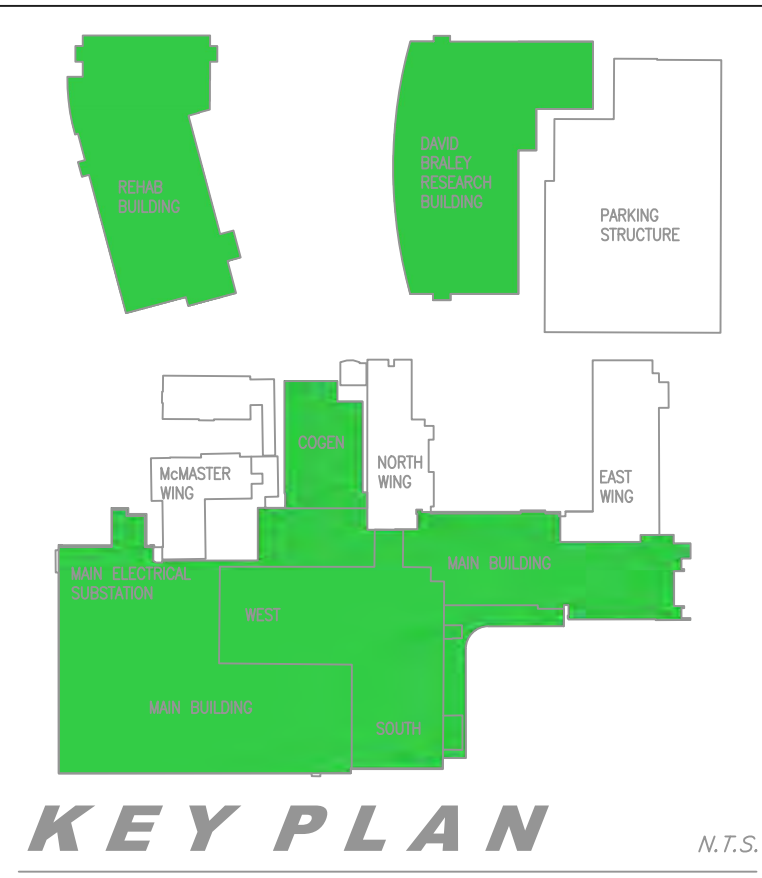
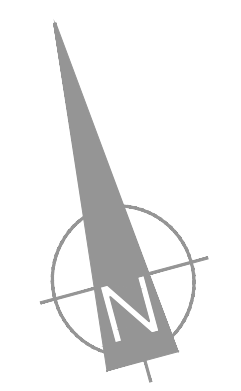
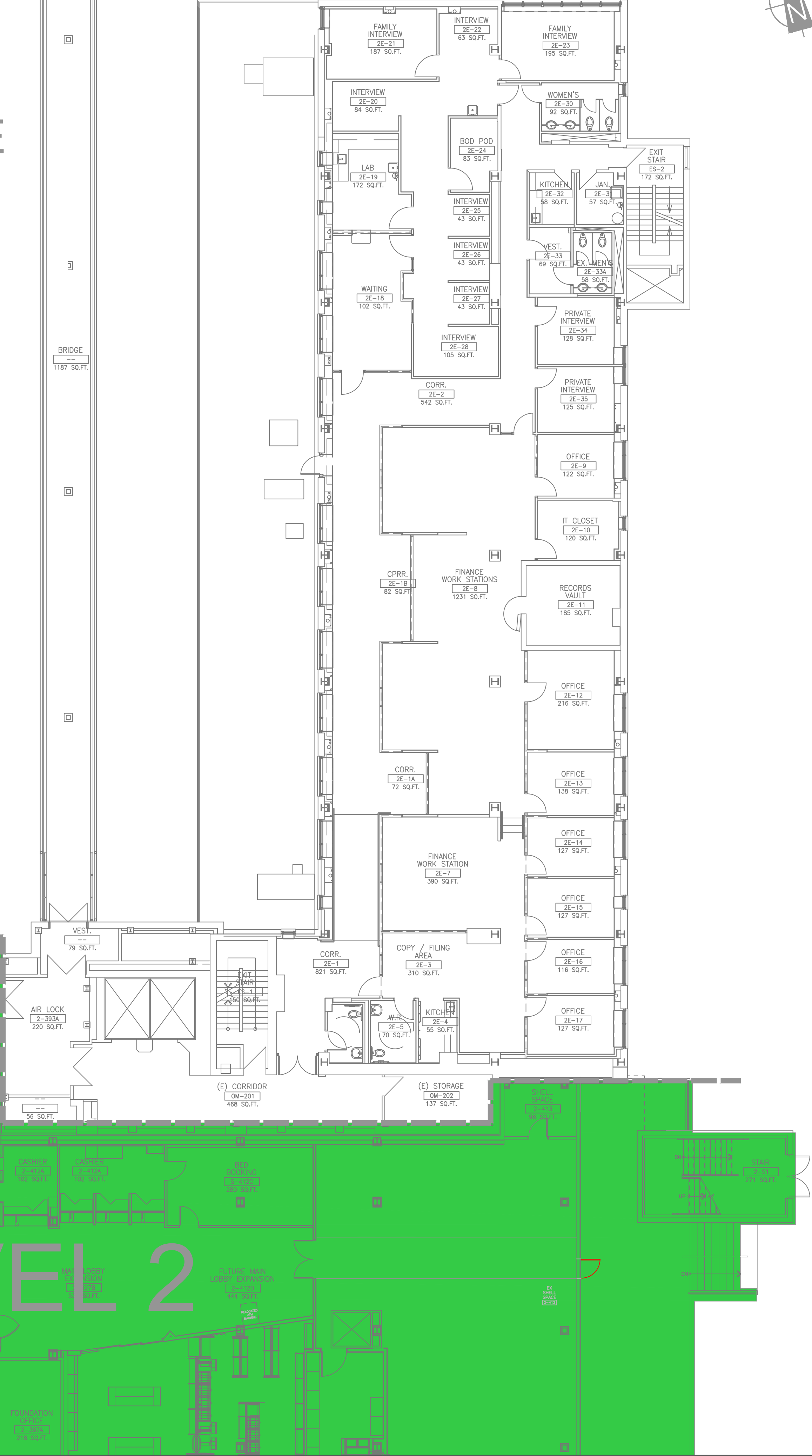


NORTH WING LEVEL 2

BRIDGE TO PARKING STRUCTURE

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 5. IF YOU SUSPECT A MATERIAL TO BE ACM IN AN AREA SHOWN TO BE FREE OF ACM, CONTACT THE ASBESTOS COORDINATOR FOR CONSULTATION.
 6. ALL TESTING SHALL BE SHIPPED AND COMPLETED BY A THIRD PARTY

EAST WING LEVEL 2



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
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9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

- LEGEND - FLOORS
- ACM VINYL FLOOR TILES
 - ACM VINYL SHEET FLOORING
 - ACM ABATED AREA AS PER HHS RECORDS

MAIN BUILDING - LEVEL 2

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

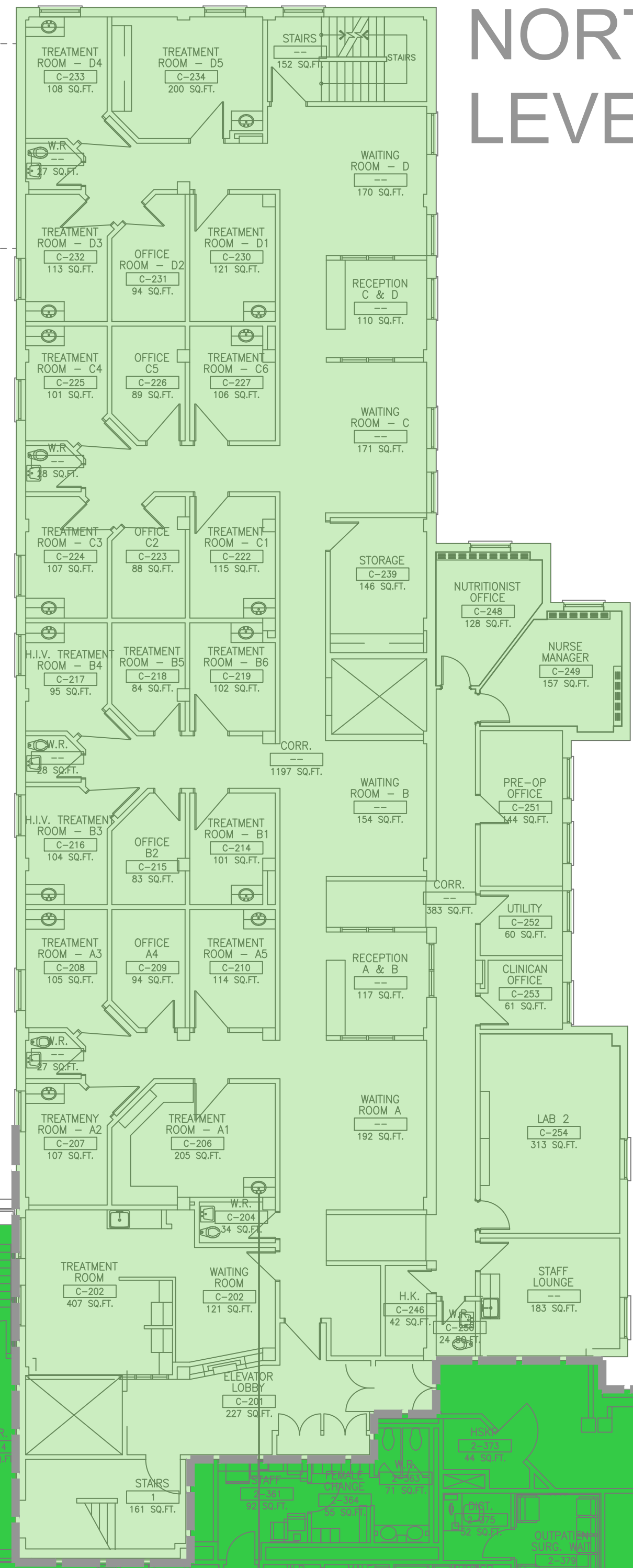
PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 2 ACM ON FLOORS

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: 030 RA-03 Floor Level 2 EW and NW HIGH

RA-03A

SHEET SIZE = ARCH D - 24" x 36" (MPER) - 610mm x 914mm (METRIC)

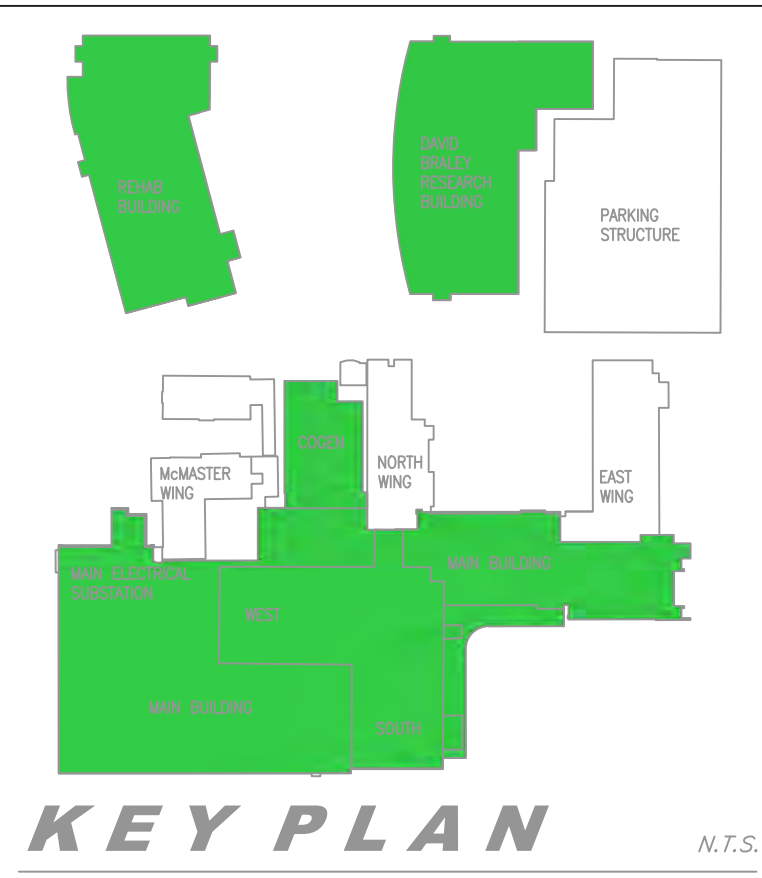
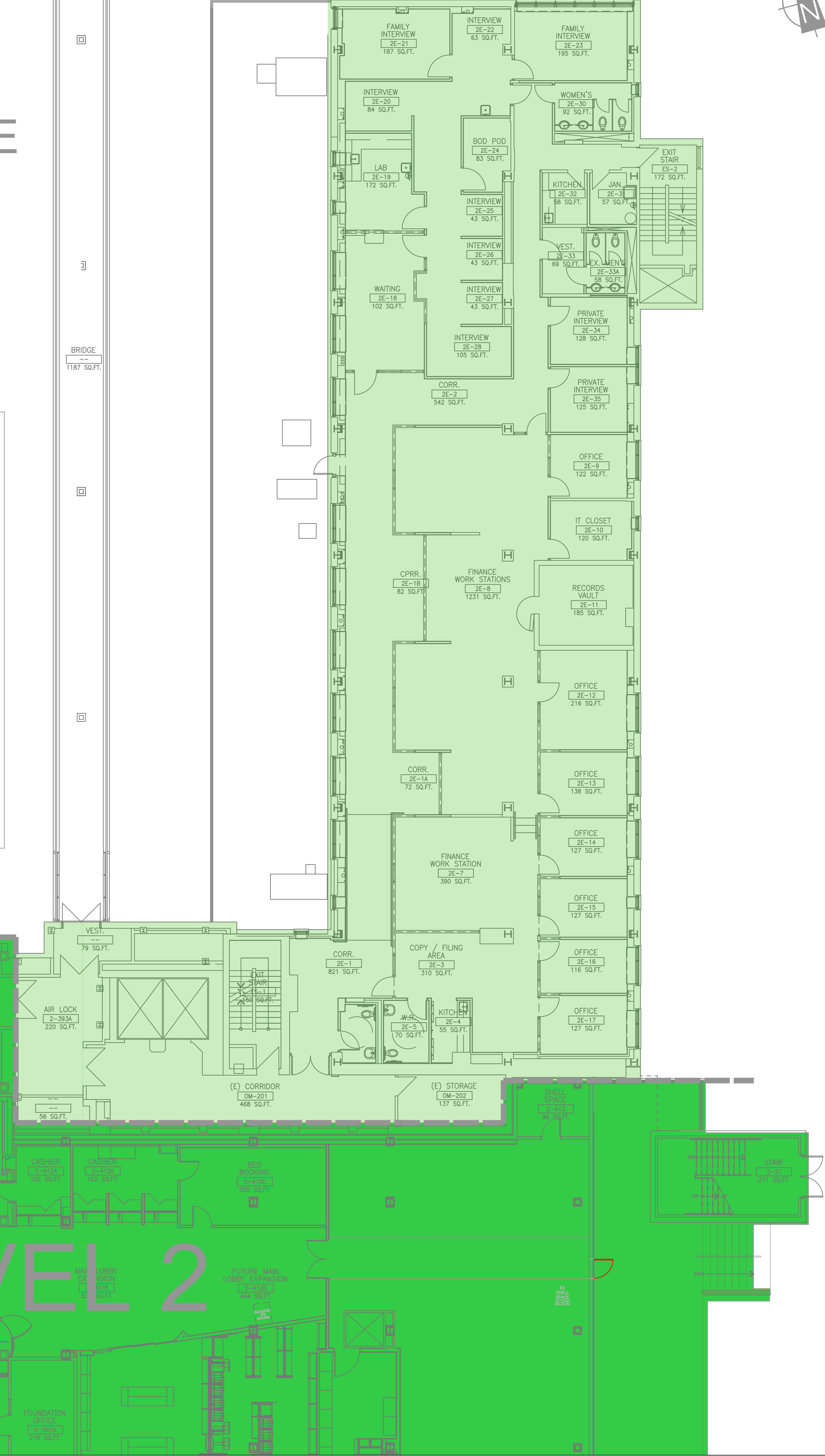


NORTH WING LEVEL 2

BRIDGE TO PARKING STRUCTURE

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EAST WING LEVEL 2



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECHO	MM
10	6/15/2017		UPDATED BY ECHO	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

- LEGEND - WALLS
- ACM DRYWALL JOINT COMPOUND ON WALLS
 - ACM PLASTER ON WALLS
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

MAIN BUILDING - LEVEL 2

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 2
ACM ON WALLS

PLOT DATE:
NOVEMBER 2018

DEPARTMENT:
HAZARDOUS MATERIALS

SCALE:
N.T.S.

SUPERVISOR:
MICHAEL MAIORANA

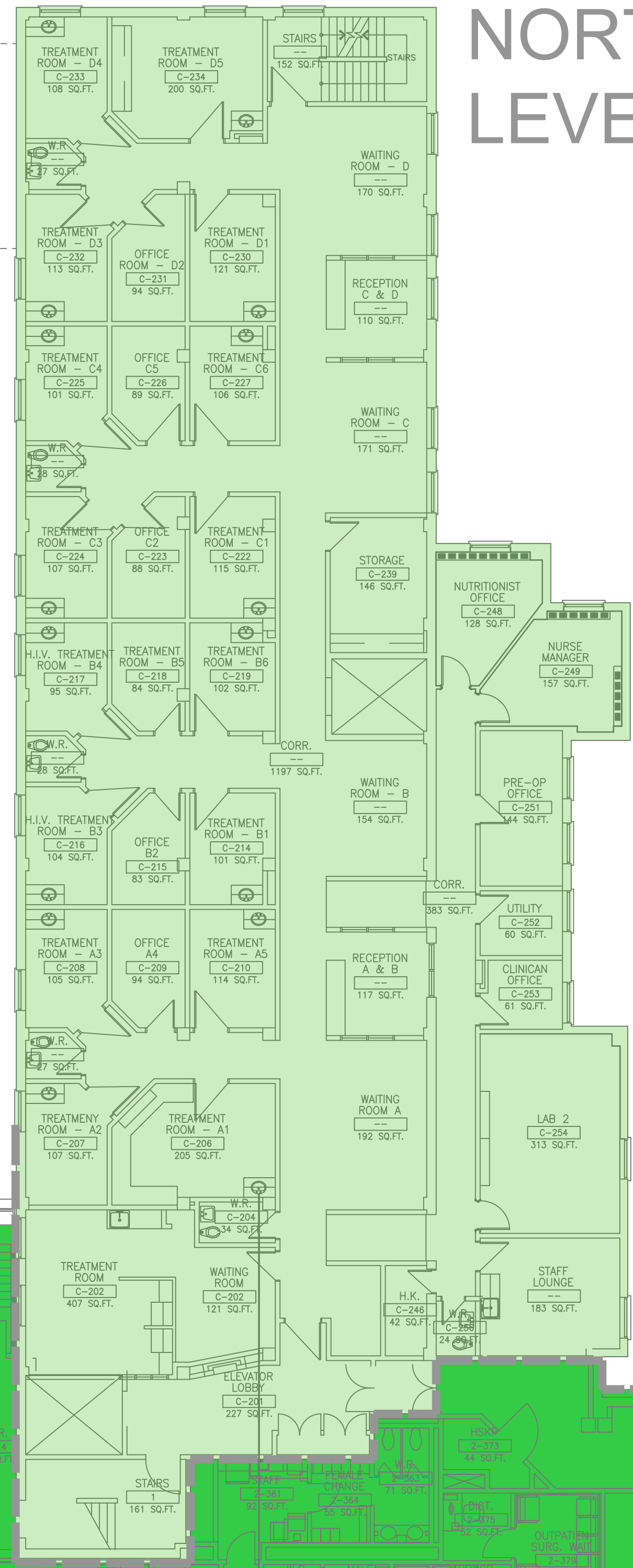
DRAWN BY:
JORDAN BOULOS

FILE NAME:
030 RA-03 Floor Level 2 EW and NW HIGH

DRAWING NO.:

RA-03B

SHEET SIZE = ARCH D - 24" x 36" (NAPER) - 610mm x 914mm (MTRC)

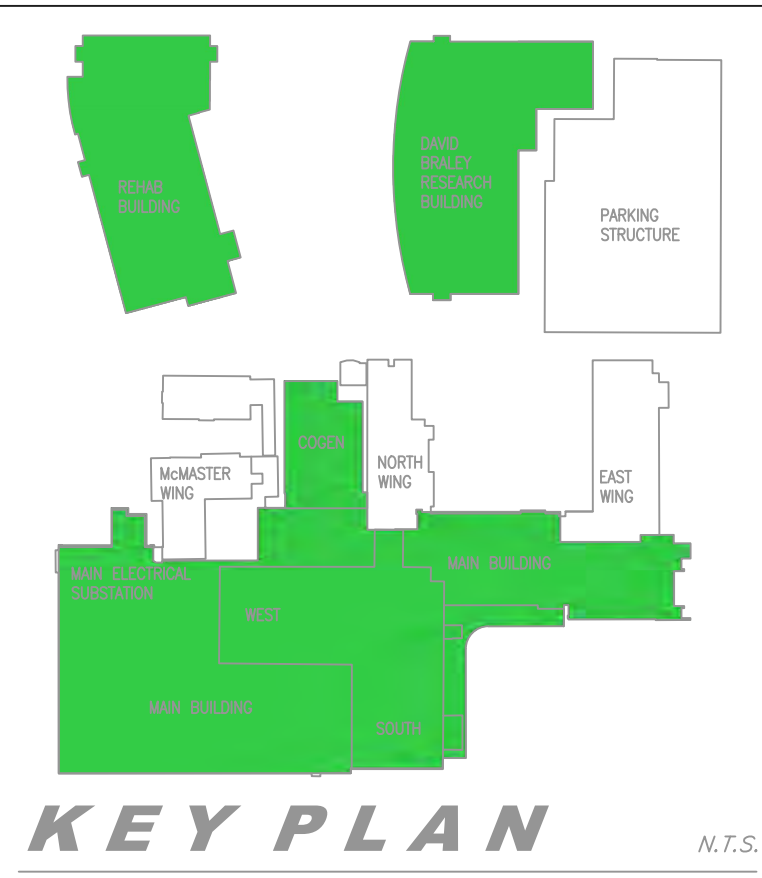
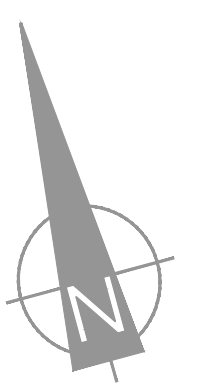
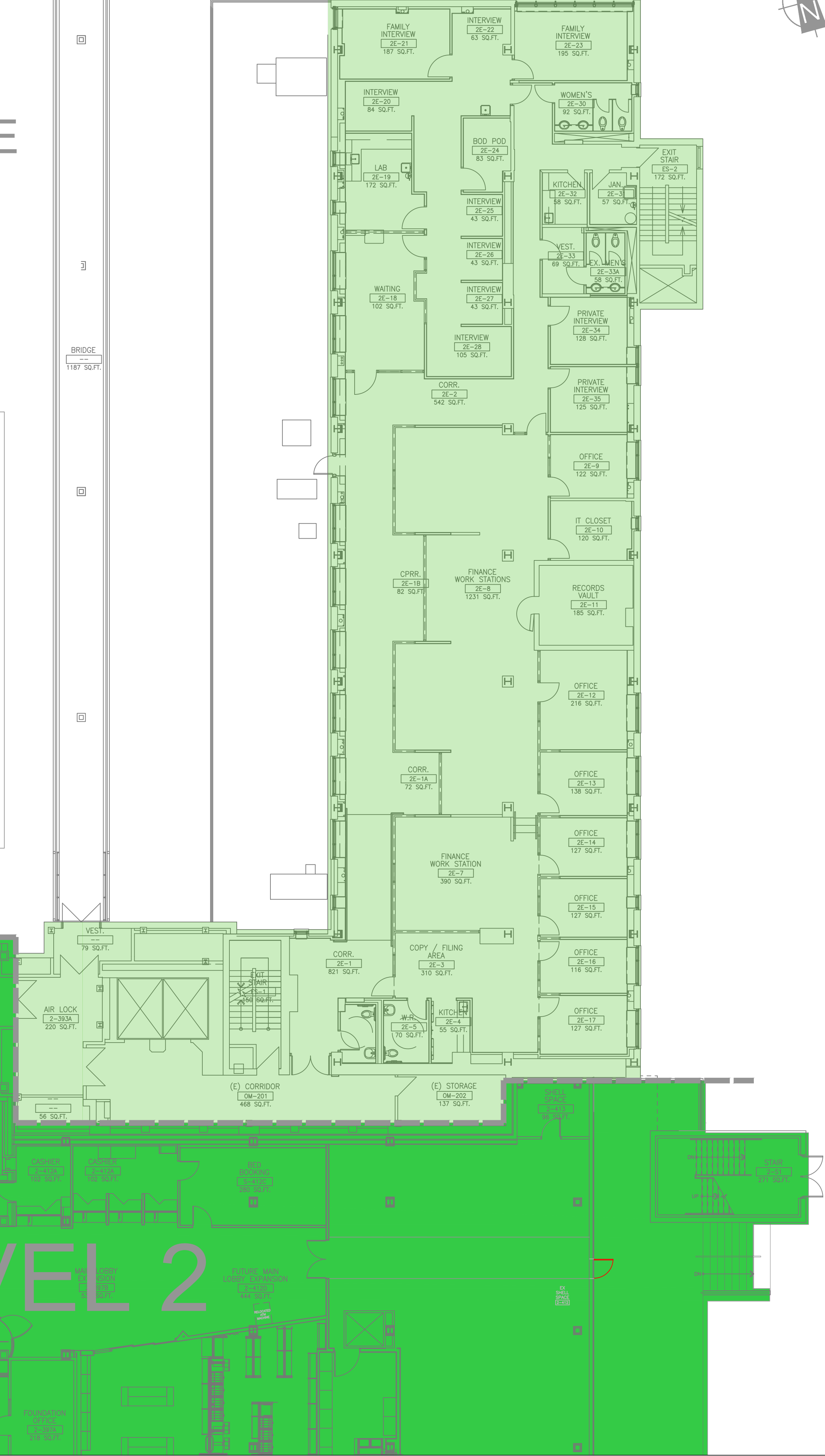


NORTH WING LEVEL 2

BRIDGE TO PARKING STRUCTURE

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EAST WING LEVEL 2



NO.	DATE	M/D/Y	REVISIONS	BY
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2	2/1/2013		COMPLETE DRAWING UPDATED	GS
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4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECHO	MM
10	6/15/2017		UPDATED BY ECHO	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

- LEGEND - CEILING
- ACM TEXTURE FINISH ABOVE DRYWALL CEILING
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

MAIN BUILDING - LEVEL 2

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 2
ACM ON CEILINGS

PLOT DATE:
NOVEMBER 2018

DEPARTMENT:
HAZARDOUS MATERIALS

SCALE:
N.T.S.

SUPERVISOR:
MICHAEL MAIORANA

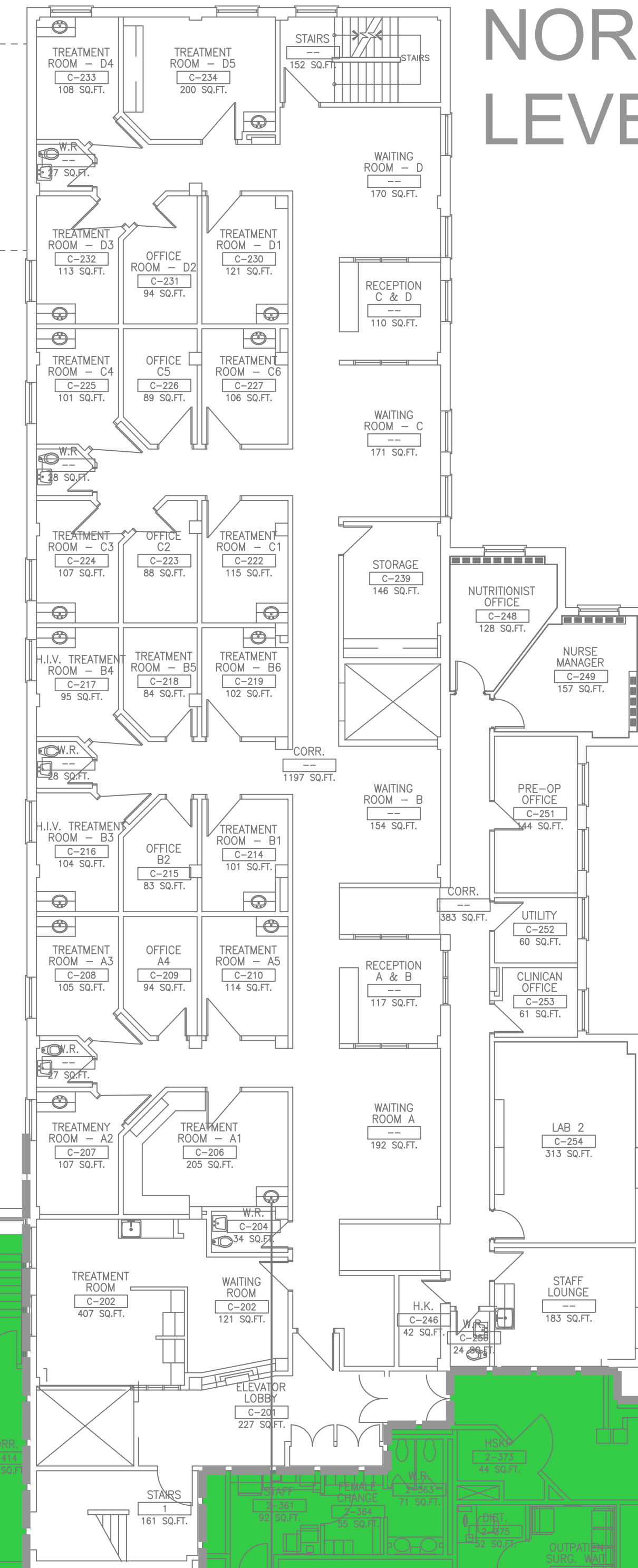
DRAWN BY:
JORDAN BOULOS

FILE NAME:
030 RA-03 Floor Level 2 EW and NW HIGH

DRAWING NO.:

RA-03C

SHEET SIZE = ARCH D - 24" x 36" (MPER) - 610mm x 914mm (METRIC)

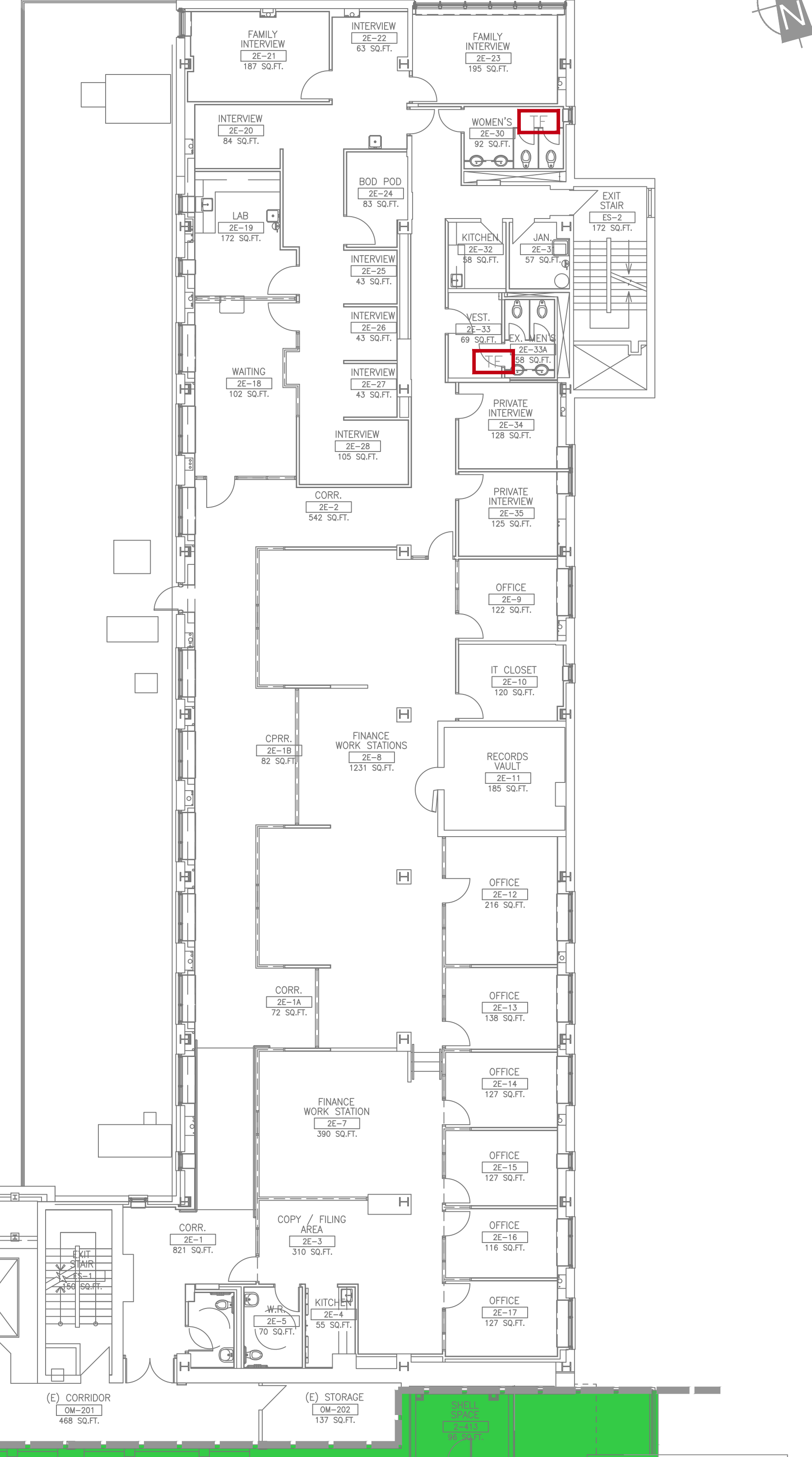


NORTH WING LEVEL 2

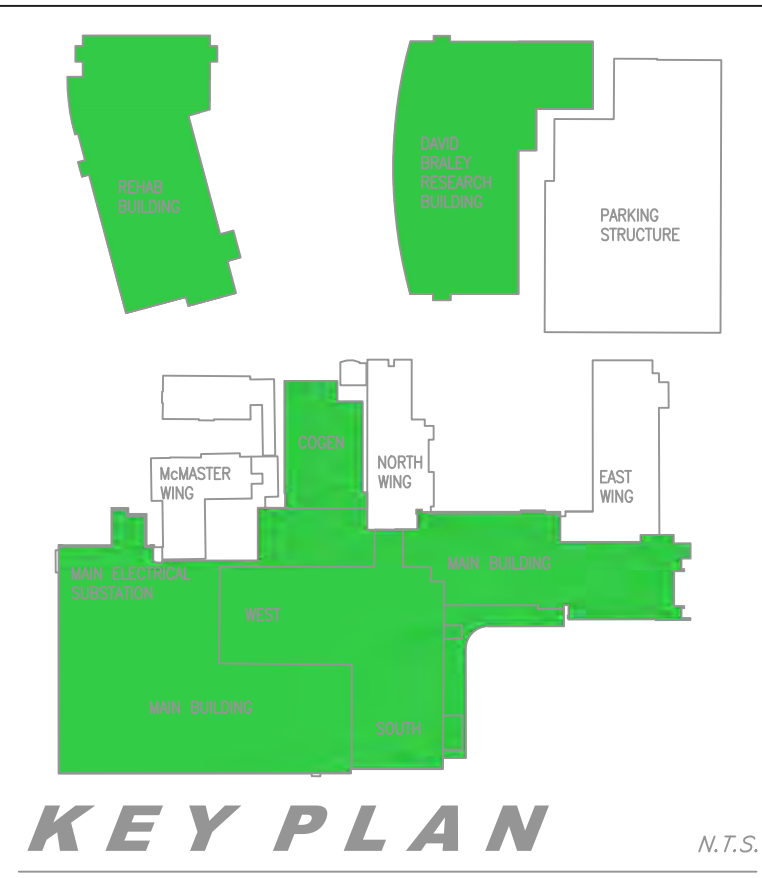
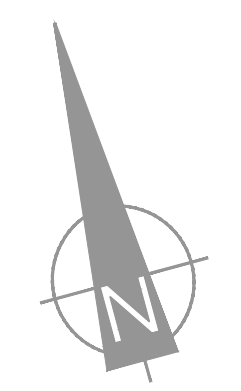
BRIDGE TO PARKING STRUCTURE

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EAST WING LEVEL 2



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
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4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECHO	MM
10	6/15/2017		UPDATED BY ECHO	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - OTHER

PI	ACM PIPE INSULATION
DI	ACM DUCT INSULATION
MI	ACM MECHANICAL INSULATION
T1	TYPE 1 ENTRY
T2	TYPE 2 ENTRY
T3	TYPE 3 ENTRY
TF	ACM TEXTURE FINISH
FS	ACM FIRESTOPPING
T	TRANSITE
NAR	NO ACCESS TO ROOM/AREA

MAIN BUILDING - LEVEL 2

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL -
237 BARTON ST. EAST, ASBESTOS
MANAGEMENT PLAN AND SURVEY

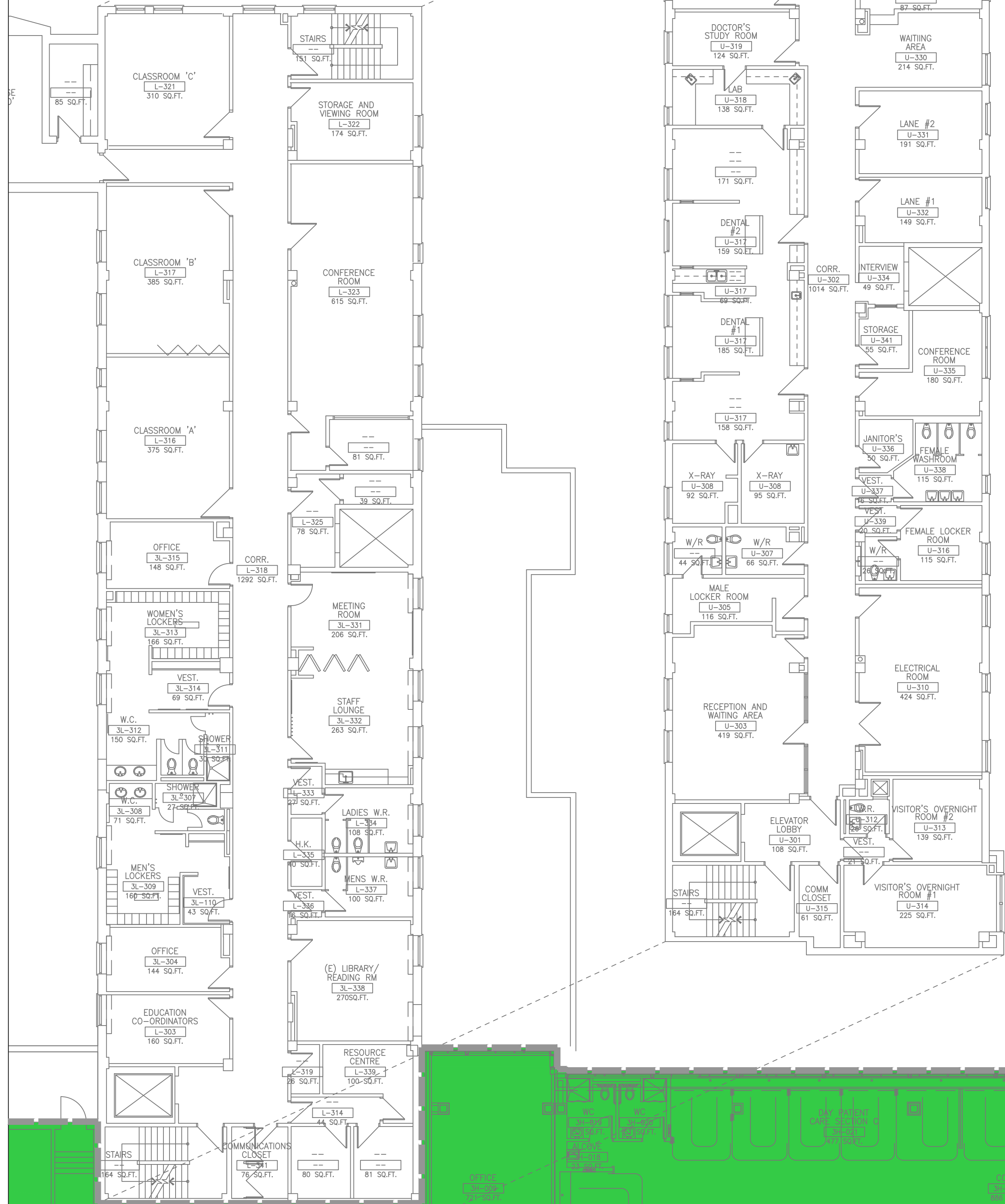
DRAWING:
EAST WING AND NORTH WING
LEVEL 2
OTHER ACM

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: 20180303030 RA-03 Floor Level 2 EW and NW HIGH

RA-03D

SHEET SIZE = ARCH D - 24" x 36" (MPERD4) - 610mm x 914mm (METER)

NORTH WING LEVEL 3



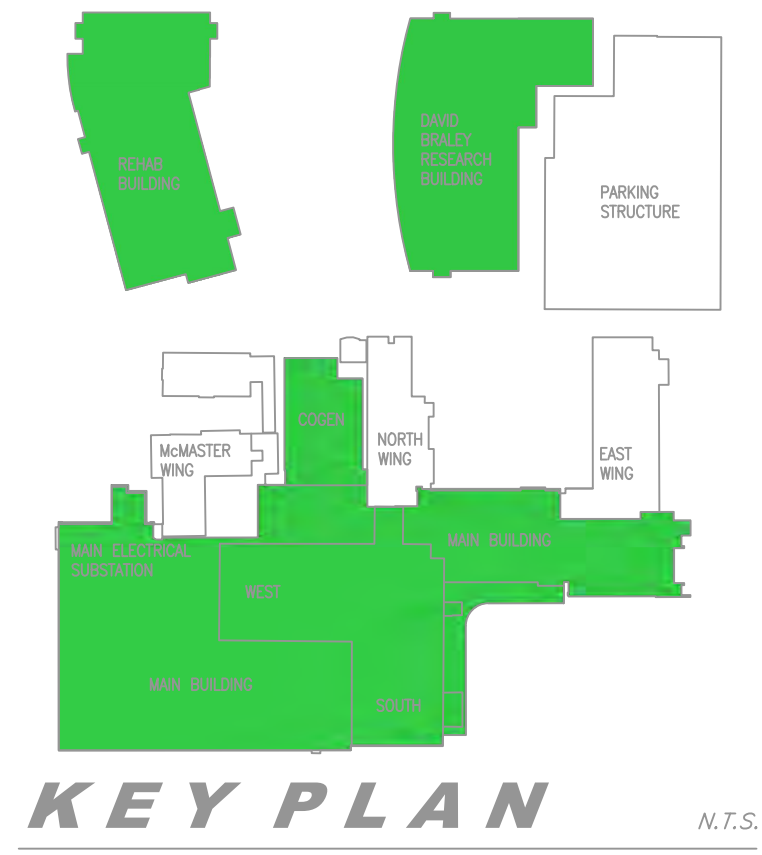
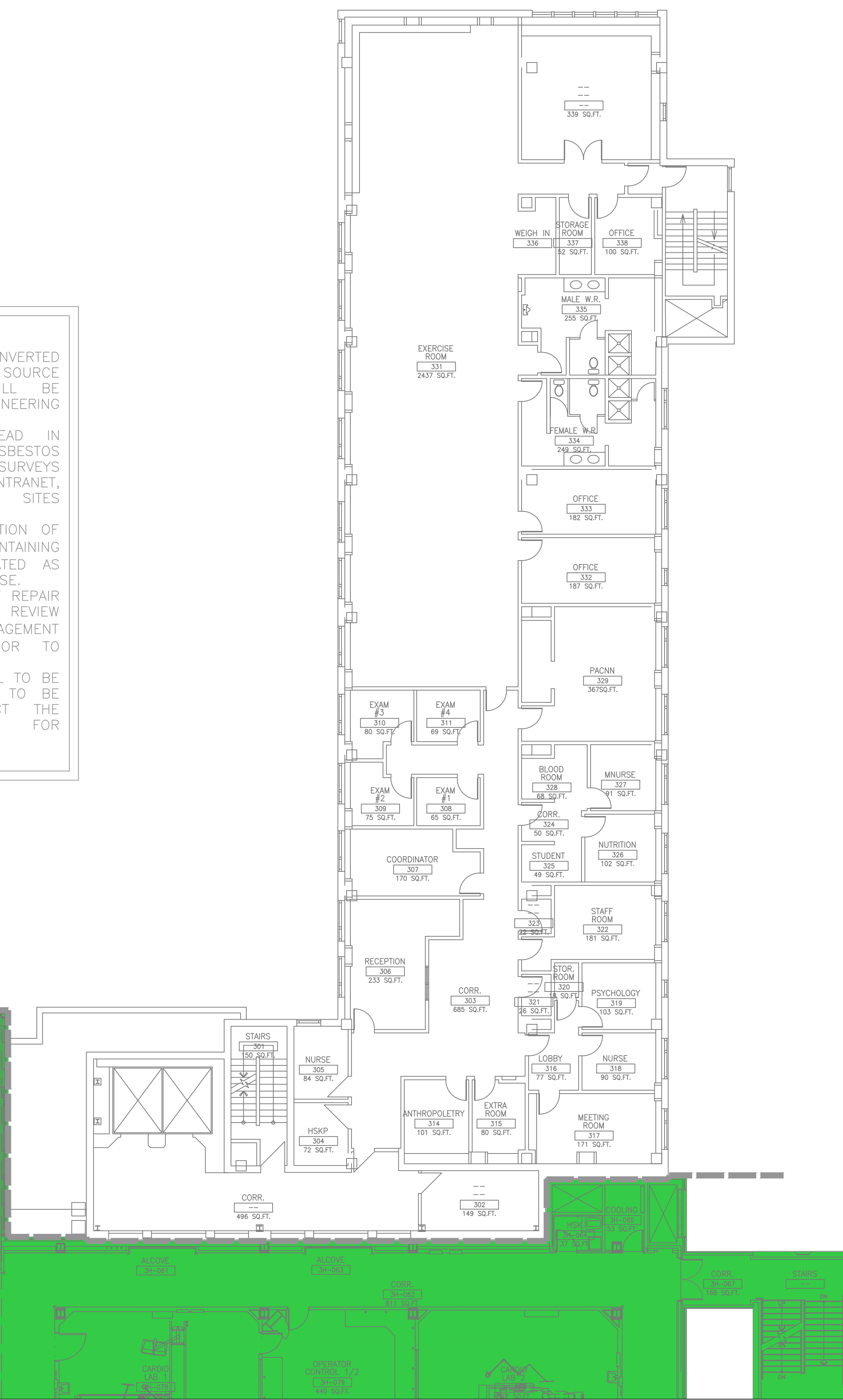
NORTH WING LEVEL 3 UPPER



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EAST WING LEVEL 3



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - FLOORS

- ACM VINYL FLOOR TILES
- ACM VINYL SHEET FLOORING
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

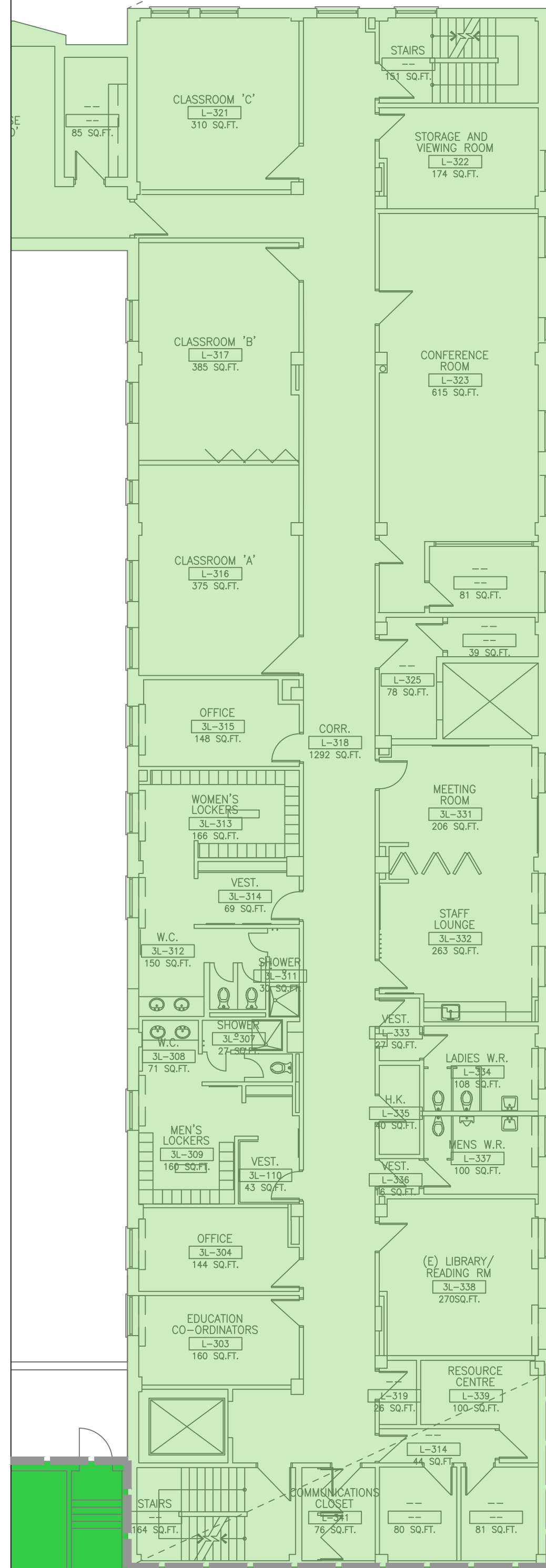
DRAWING:
EAST WING AND NORTH WING LEVEL 3 ACM ON FLOORS

PLOT DATE: NOVEMBER 2018
DEPARTMENT: HAZARDOUS MATERIALS
SUPERVISOR: MICHAEL MAIORANA
N.T.S.
DRAWN BY: JORDAN BOULOS
DRAWING NO.: RA-04A

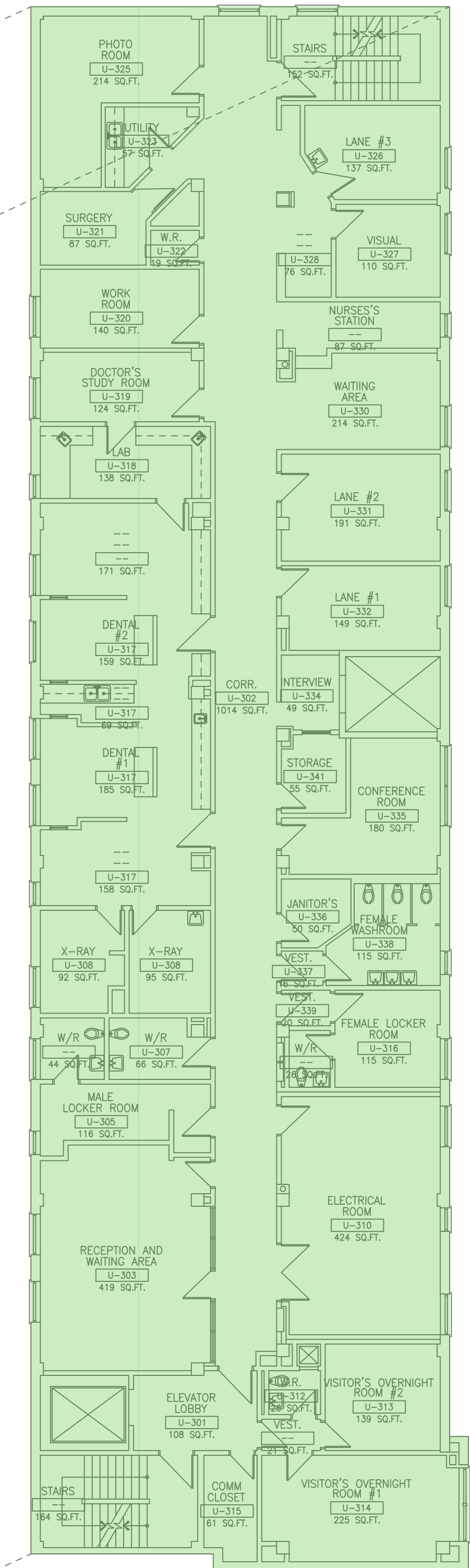
RA-04A

SHEET SIZE = ARCH D - 24" x 36" (MPEB4) - 610mm x 914mm (MTRC)

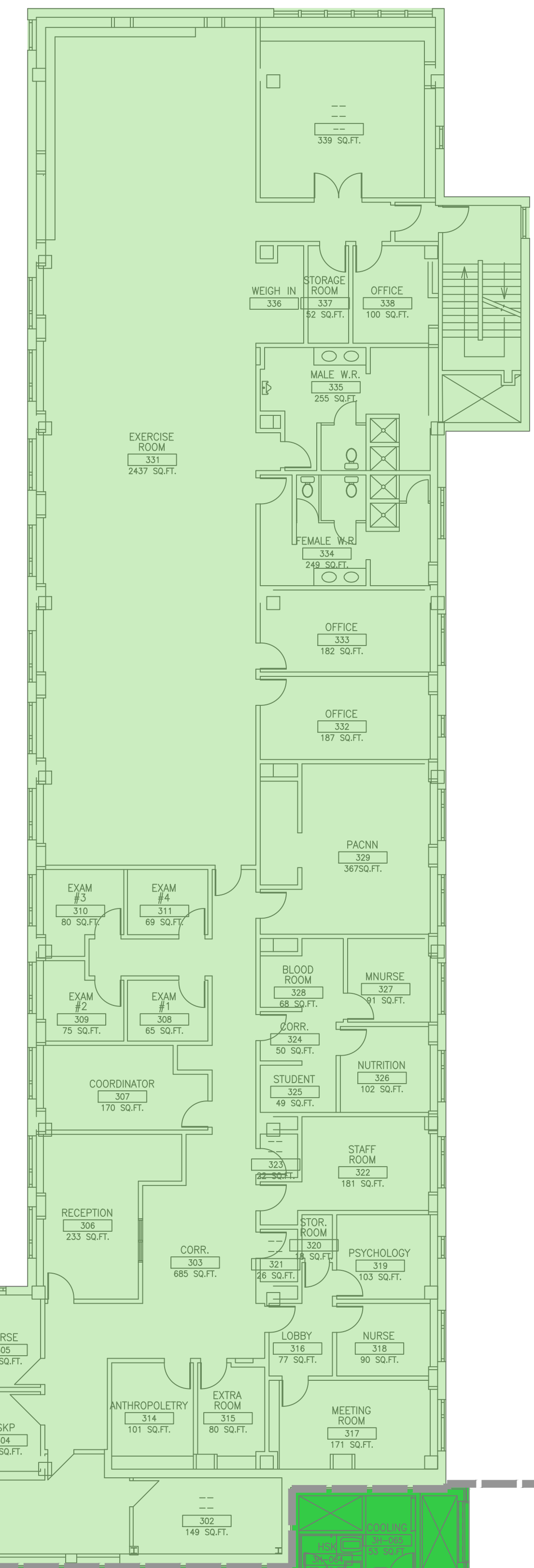
NORTH WING LEVEL 3



NORTH WING LEVEL 3 UPPER



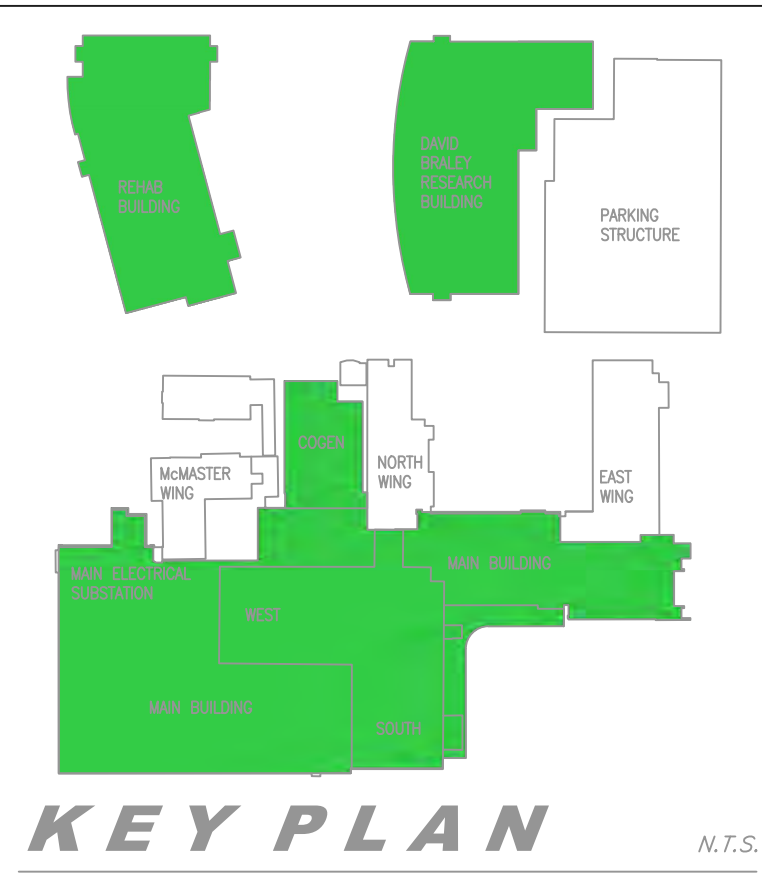
EAST WING LEVEL 3



GENERAL NOTES:

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MAIN BUILDING - LEVEL 3



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - WALLS

- ACM DRYWALL JOINT COMPOUND ON WALLS
- ACM PLASTER ON WALLS
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

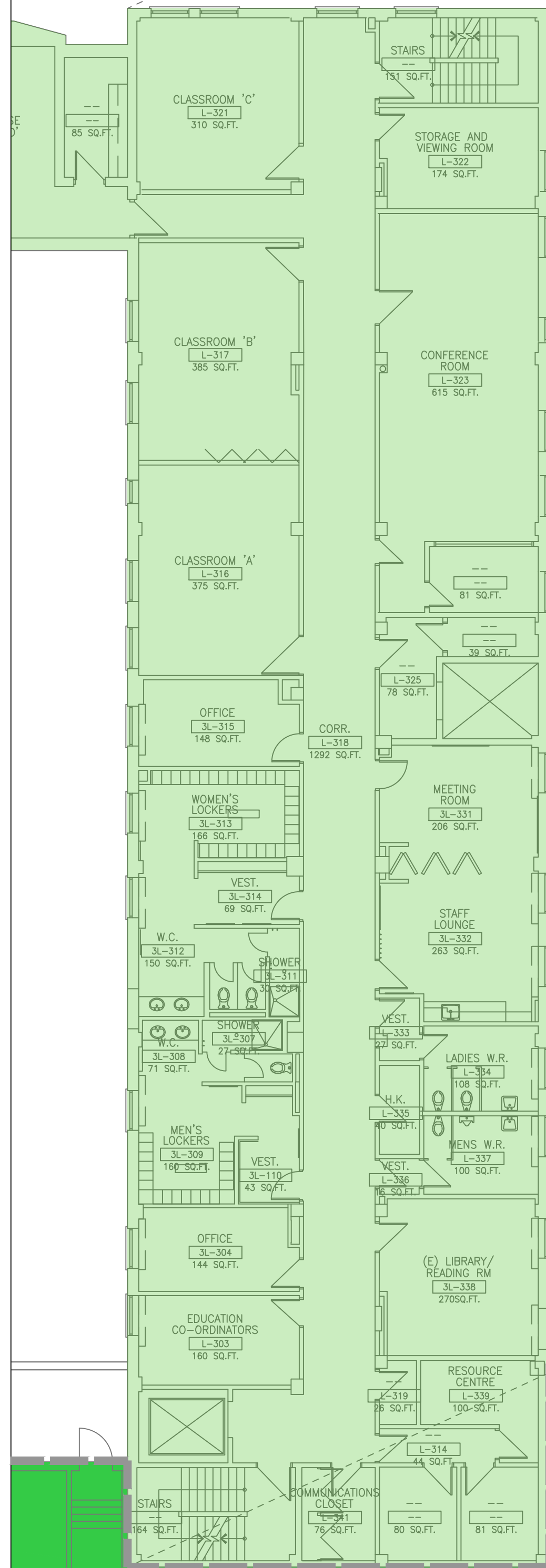
PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: EAST WING AND NORTH WING LEVEL 3 ACM ON WALLS

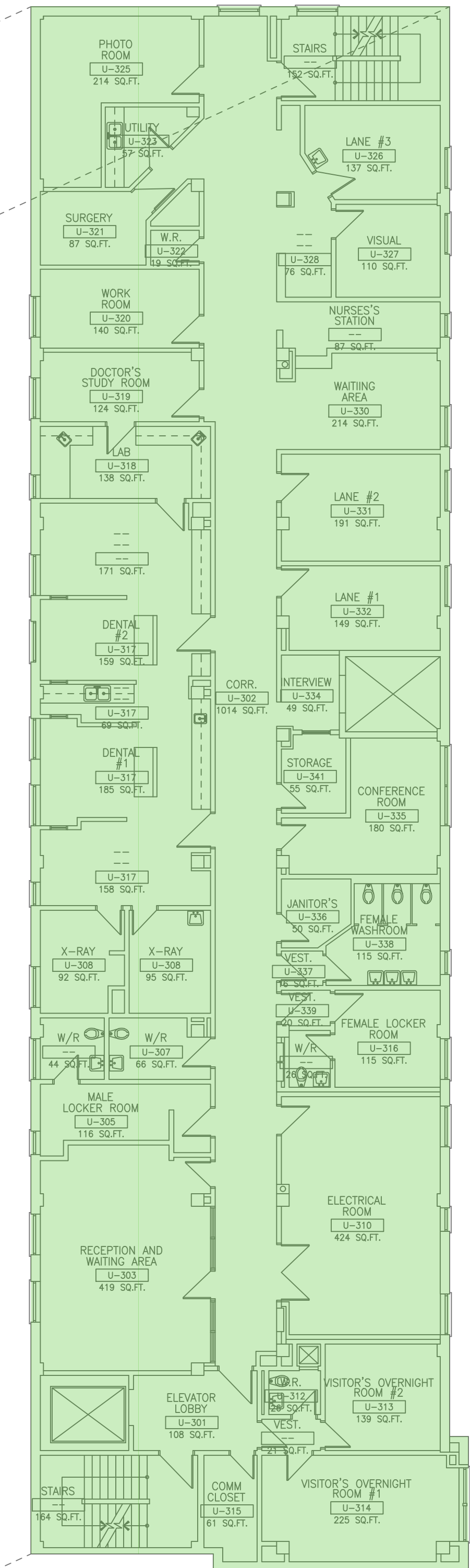
PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
 SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
 DRAWN BY: JORDAN BOULOS FILE NAME: 030 RA-04 Floor Level 3 EW and NW HIGH
 DRAWING NO. RA-04B

SHEET SIZE = ARCH D - 24" x 36" (MPEB4) - 610mm x 914mm (METER)

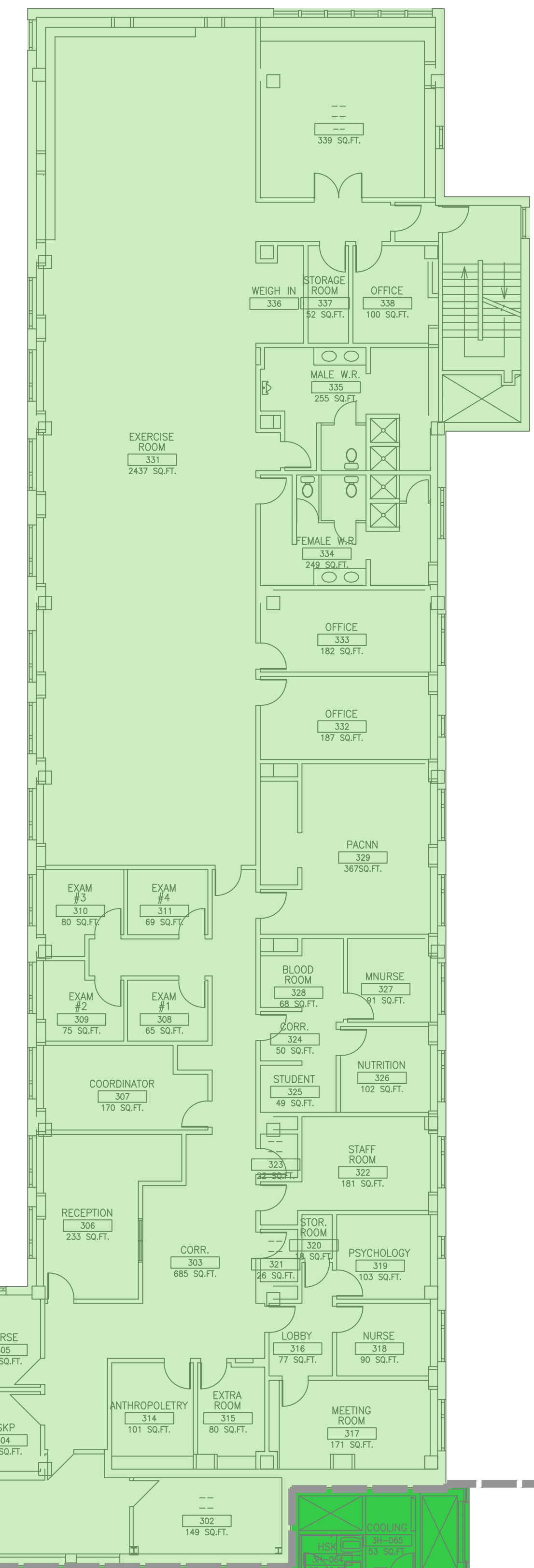
NORTH WING LEVEL 3



NORTH WING LEVEL 3 UPPER

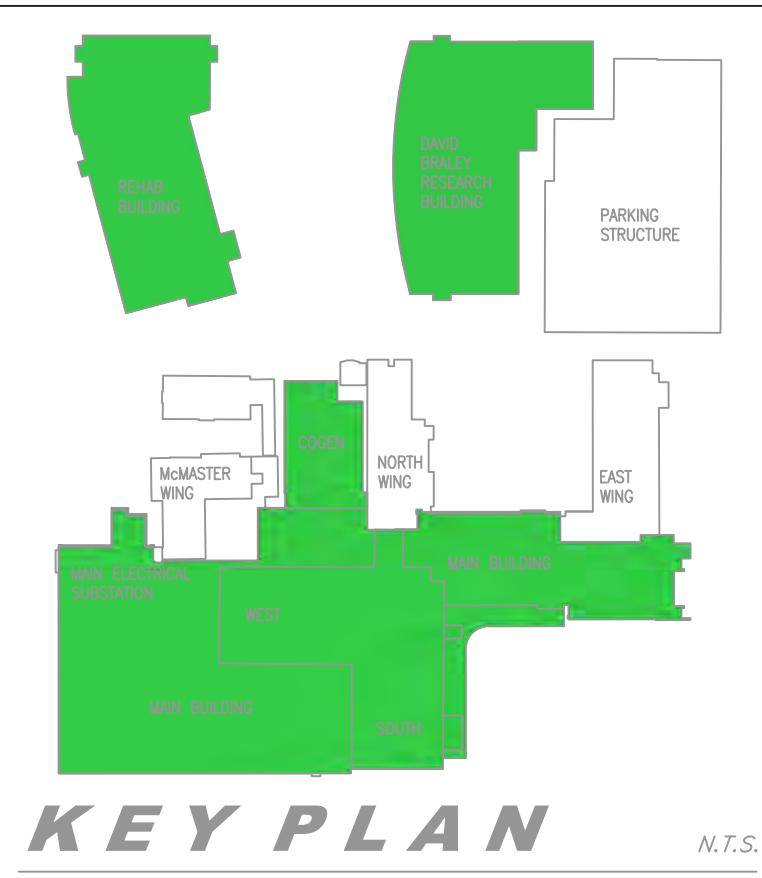
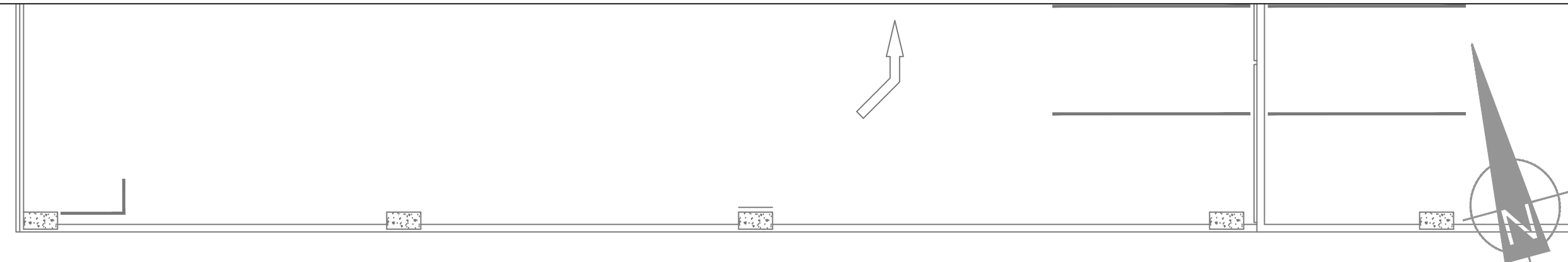


EAST WING LEVEL 3



GENERAL NOTES:

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11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - CEILING

- ACM TEXTURE FINISH ABOVE DRYWALL CEILING
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: EAST WING AND NORTH WING LEVEL 3 ACM ON CEILINGS

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: 1505030 RA-04 Floor Level 3 EW and NW HIGH
DRAWING NO.	

RA-04C

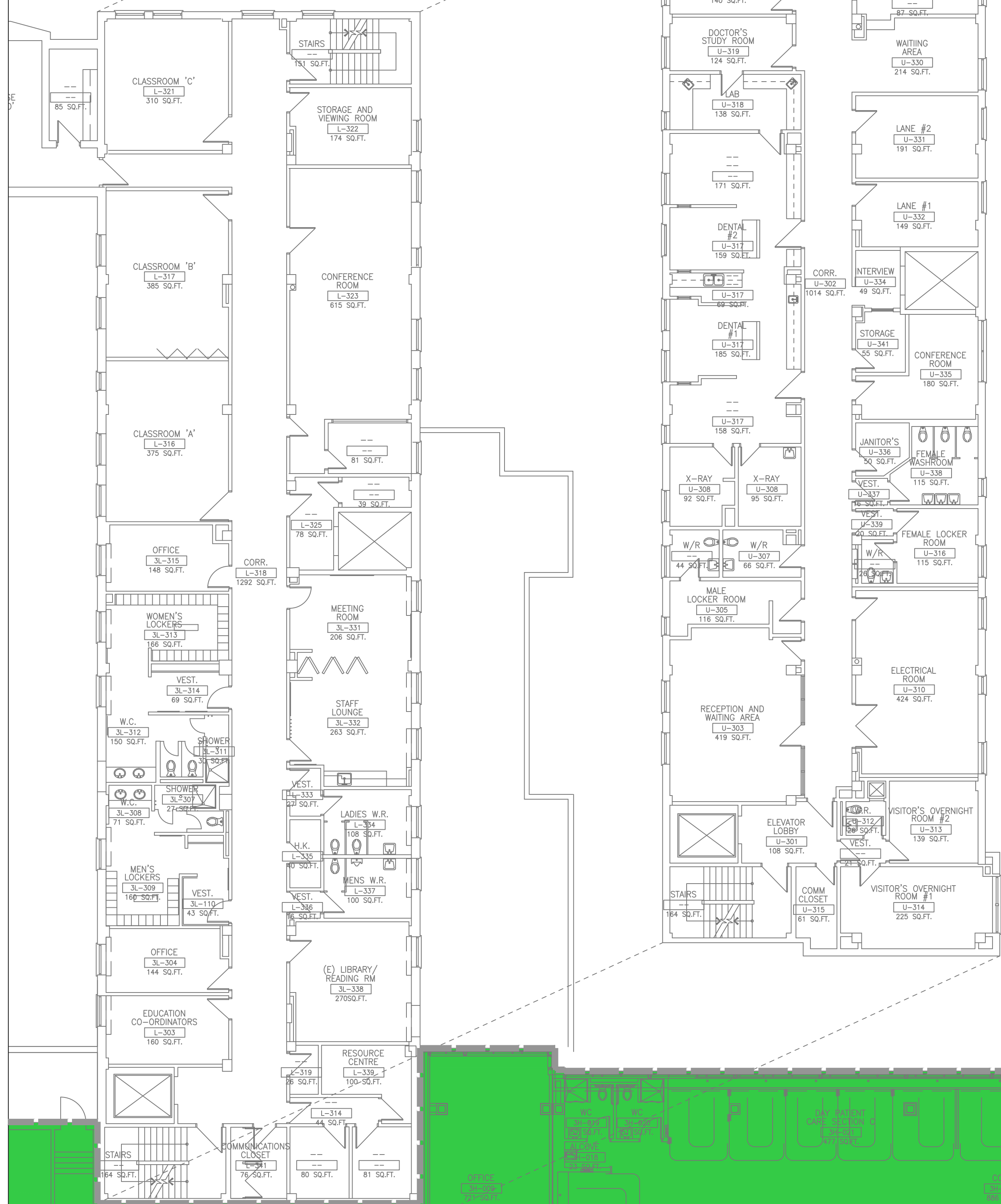
MAIN BUILDING - LEVEL 3

SHEET SIZE = ARCH D - 24" x 36" (MPEB4) - 610mm x 914mm (METER)

NORTH WING LEVEL 3

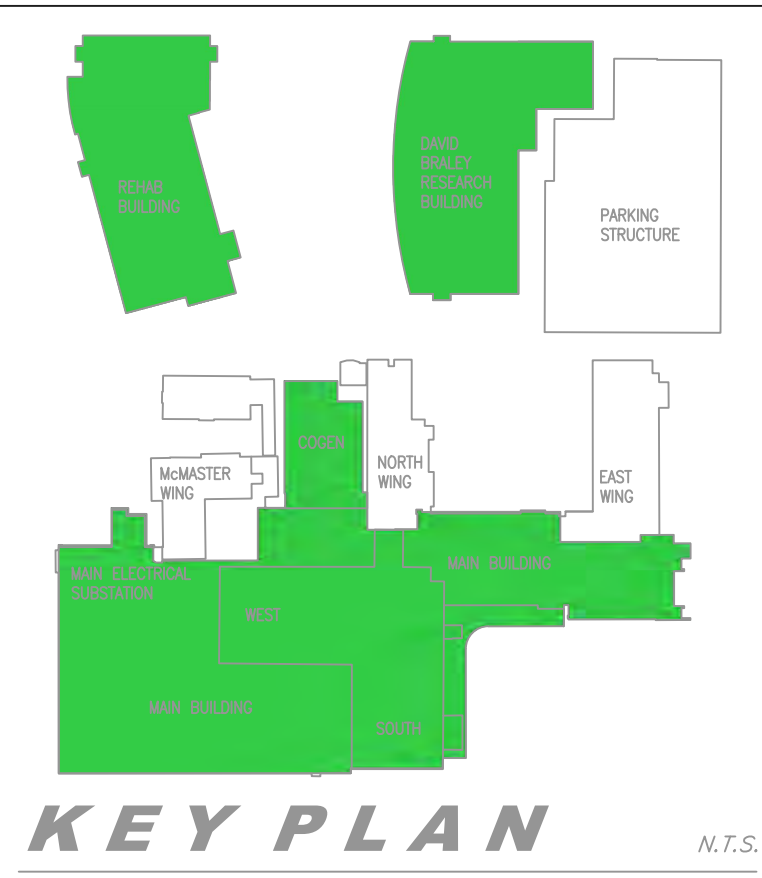
NORTH WING LEVEL 3 UPPER

EAST WING LEVEL 3



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10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - OTHER

- PI ACM PIPE INSULATION
- DI ACM DUCT INSULATION
- MI ACM MECHANICAL INSULATION
- T1 TYPE 1 ENTRY
- T2 TYPE 2 ENTRY
- T3 TYPE 3 ENTRY
- TF ACM TEXTURE FINISH
- FS ACM FIRESTOPPING
- T TRANSITE
- NAR NO ACCESS TO ROOM/AREA

GENERAL SITE



Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

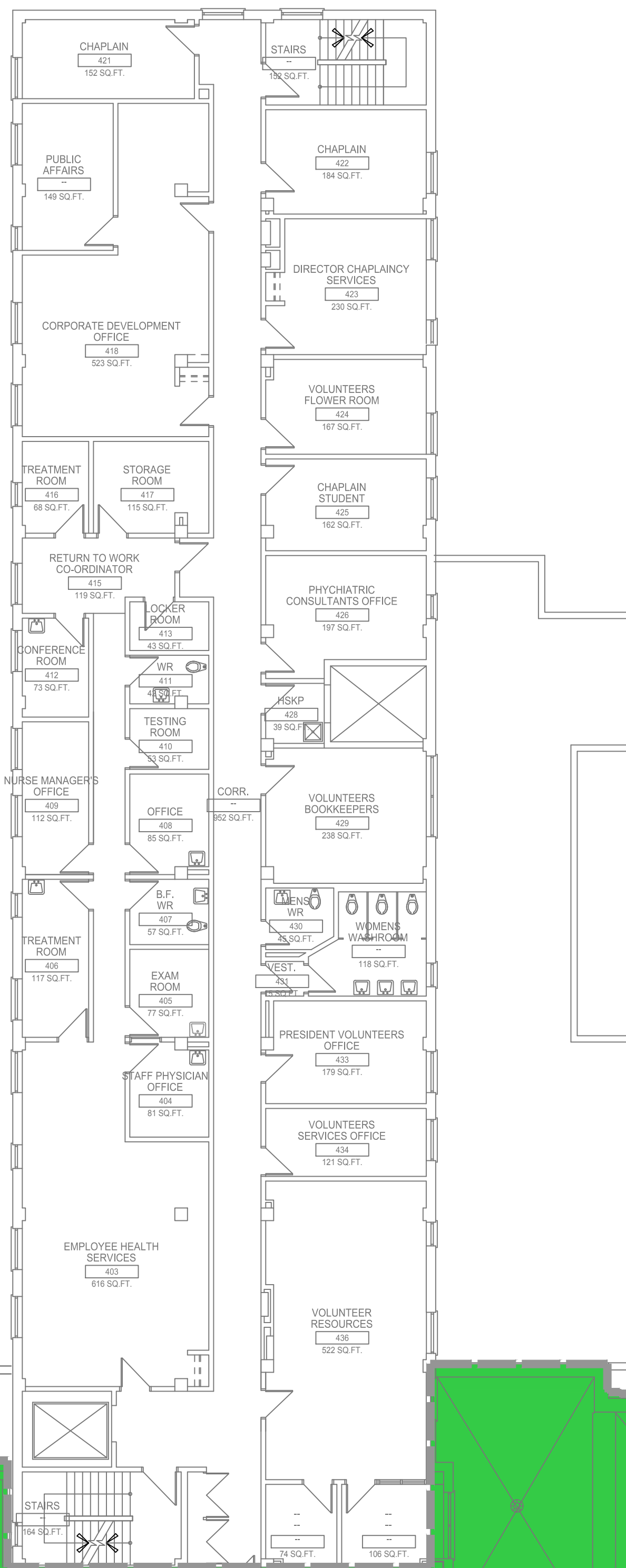
DRAWING:
EAST WING AND NORTH WING LEVEL 1 OTHER ACM

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: 1506030 RA-04 Floor Level 3 EW and NW HIGH
DRAWING NO.:	

RA-04D

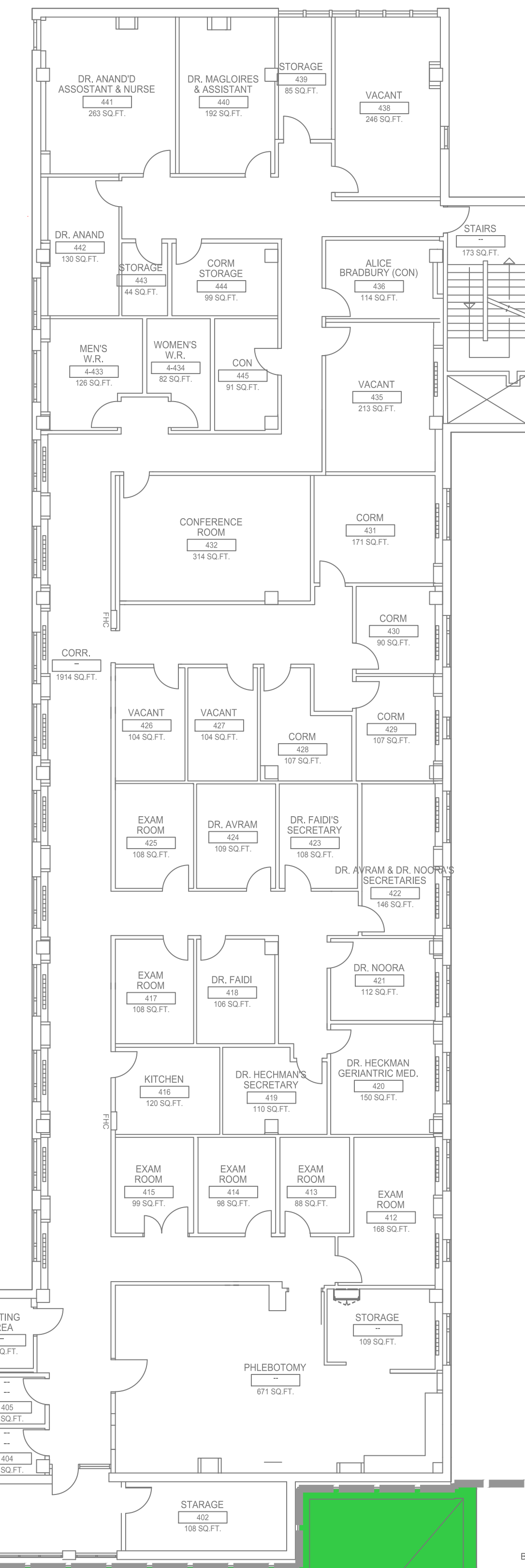
SHEET SIZE = ARCH D - 24" x 36" (MPEB24) - 610mm x 914mm (METER)

NORTH WING LEVEL 4



MAIN BUILDING - LEVEL 4

EAST WING LEVEL 4



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KEY PLAN N.T.S.

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7	7/1/2013		UPDATED	GS
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11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - FLOORS

- ACM VINYL FLOOR TILES
- ACM VINYL SHEET FLOORING
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

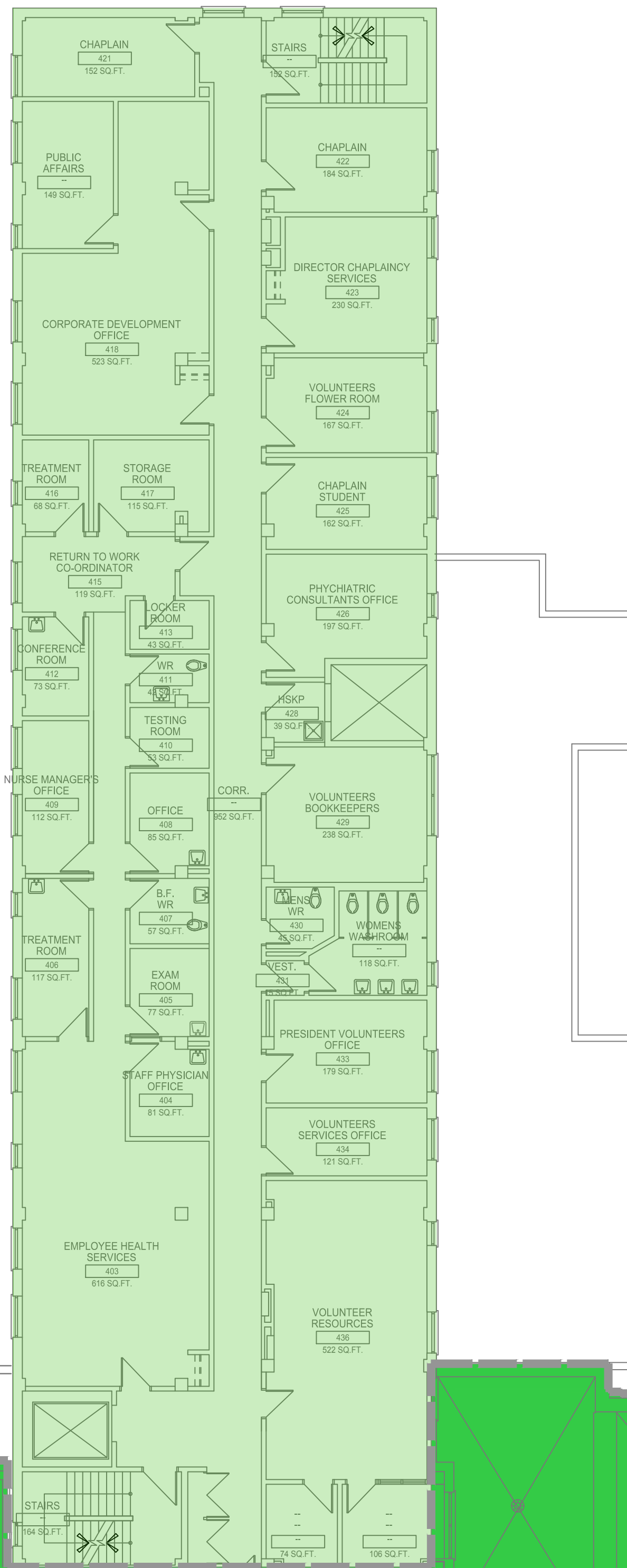
DRAWING:
EAST WING AND NORTH WING LEVEL 4 ACM ON FLOORS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE NAME: 030 RA-05 Floor Level 4 FW and NW HIGH
DRAWING NO. RA-05A

RA-05A

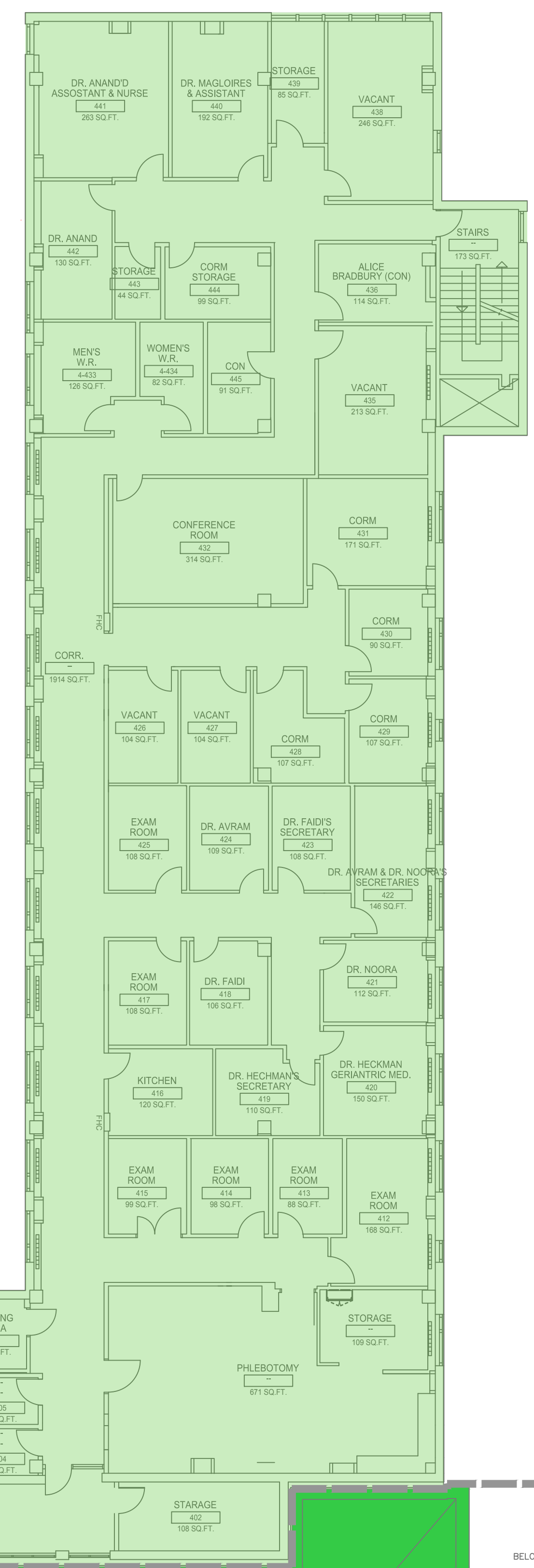
SHEET SIZE = ARCH D - 24" x 36" (MPEB4) = 610mm x 914mm (MTRC)

NORTH WING LEVEL 4



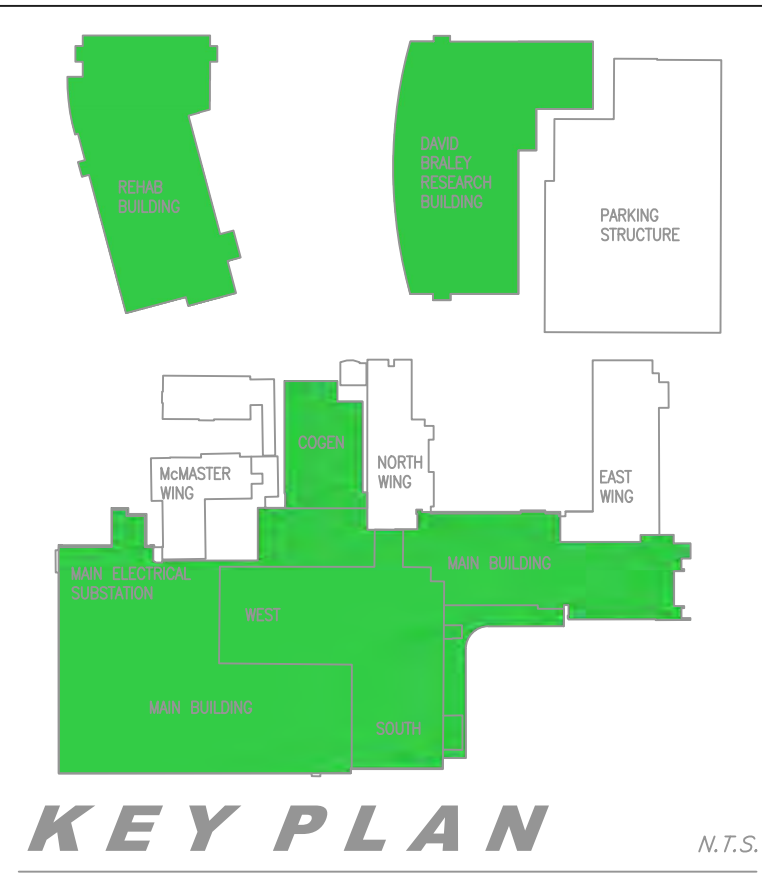
MAIN BUILDING - LEVEL 4

EAST WING LEVEL 4



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LEGEND - WALLS

- ACM DRYWALL JOINT COMPOUND ON WALLS
- ACM PLASTER ON WALLS
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

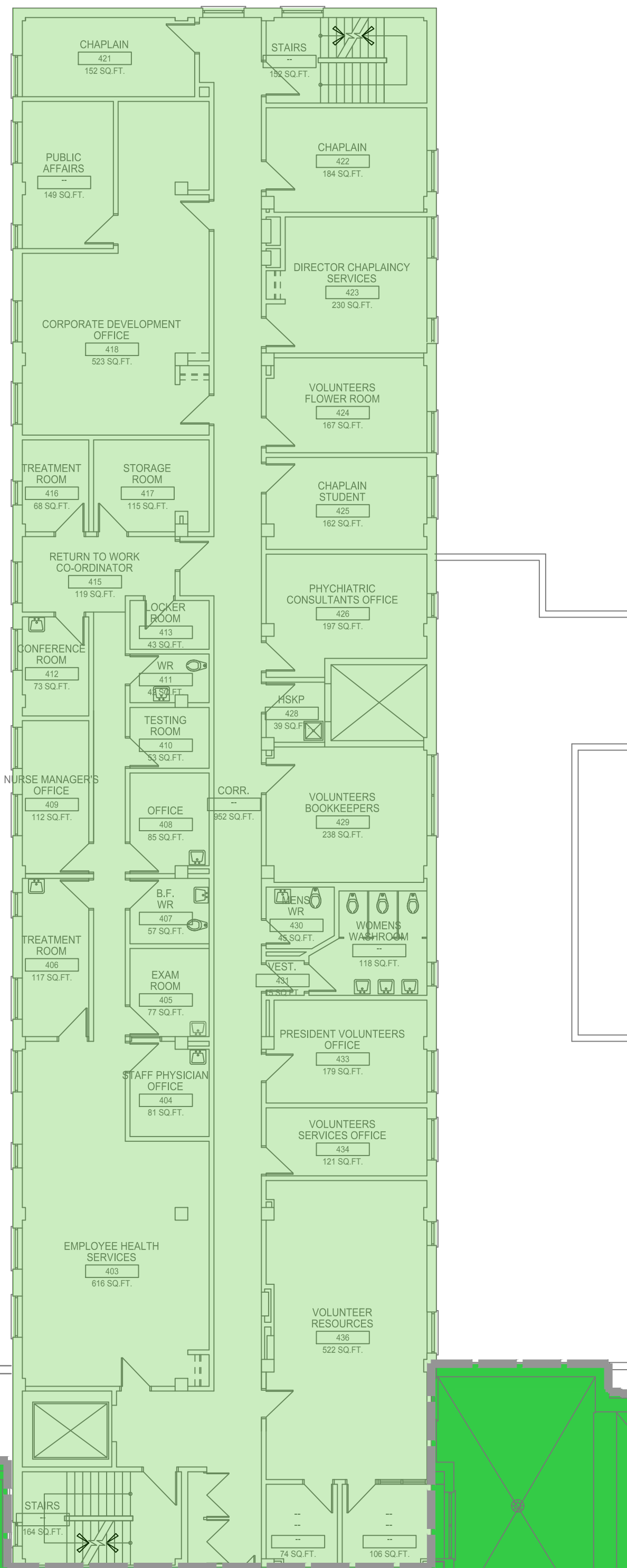
PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: EAST WING AND NORTH WING LEVEL 4 ACM ON WALLS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE NAME: 2018030 RA-05 Floor Level 4 FW and NW HIGH
DRAWING No. RA-05B

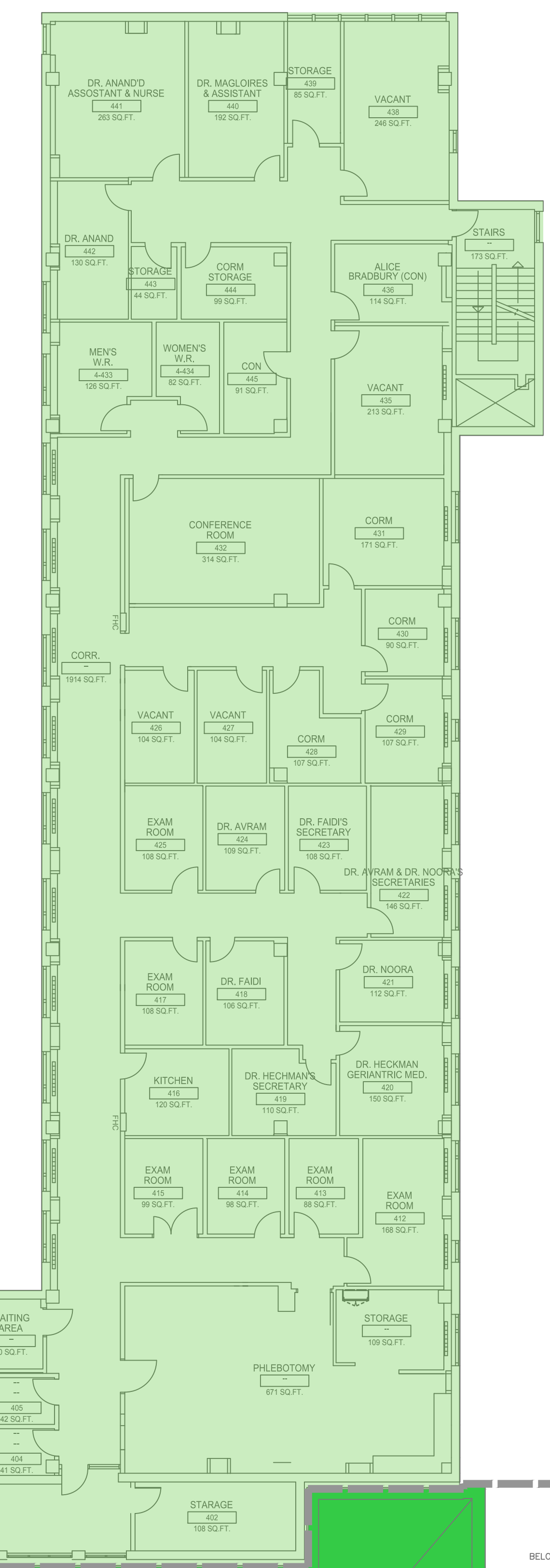
SHEET SIZE = ARCH D - 24" x 36" (MPEB4) = 610mm x 914mm (MTRC)

NORTH WING LEVEL 4



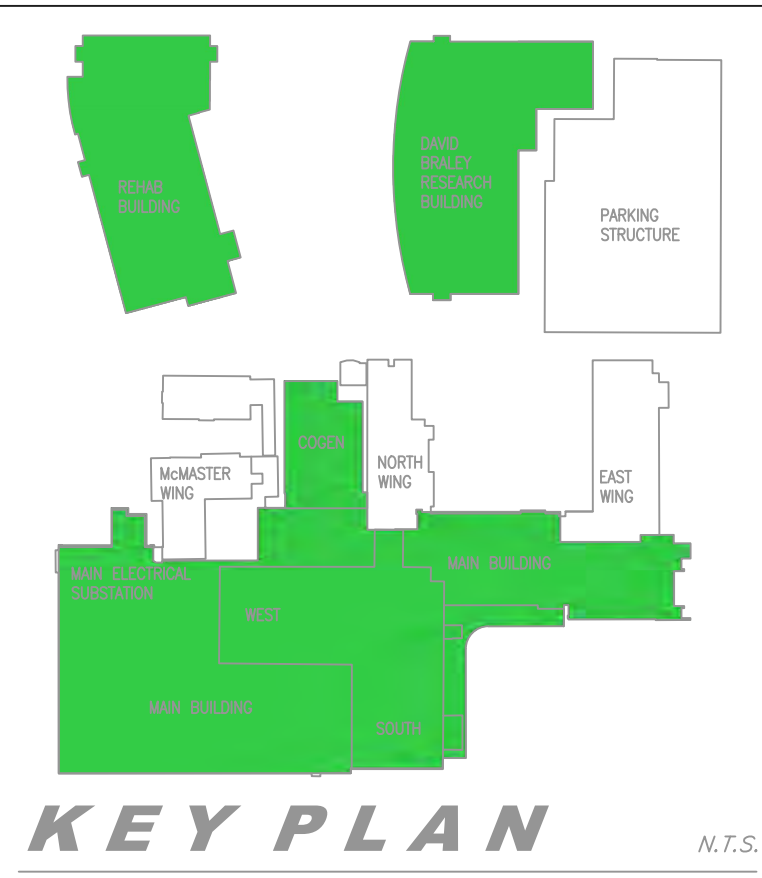
MAIN BUILDING - LEVEL 4

EAST WING LEVEL 4



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11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - CEILING

- ACM TEXTURE FINISH ABOVE DRYWALL CEILING
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

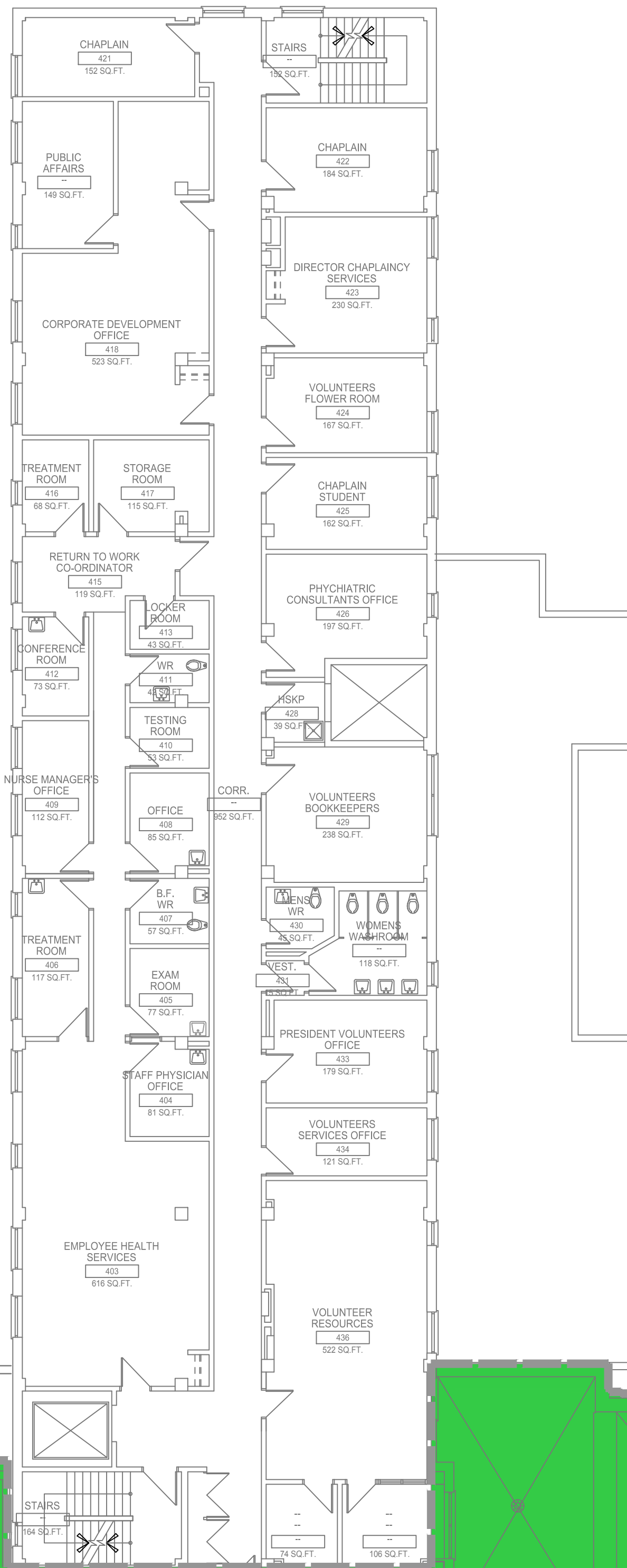
DRAWING:
EAST WING AND NORTH WING LEVEL 4 ACM ON CEILINGS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE NAME: 2018030 RA-05 Floor Level 4 EW and NW HIGH
DRAWING No.

RA-05C

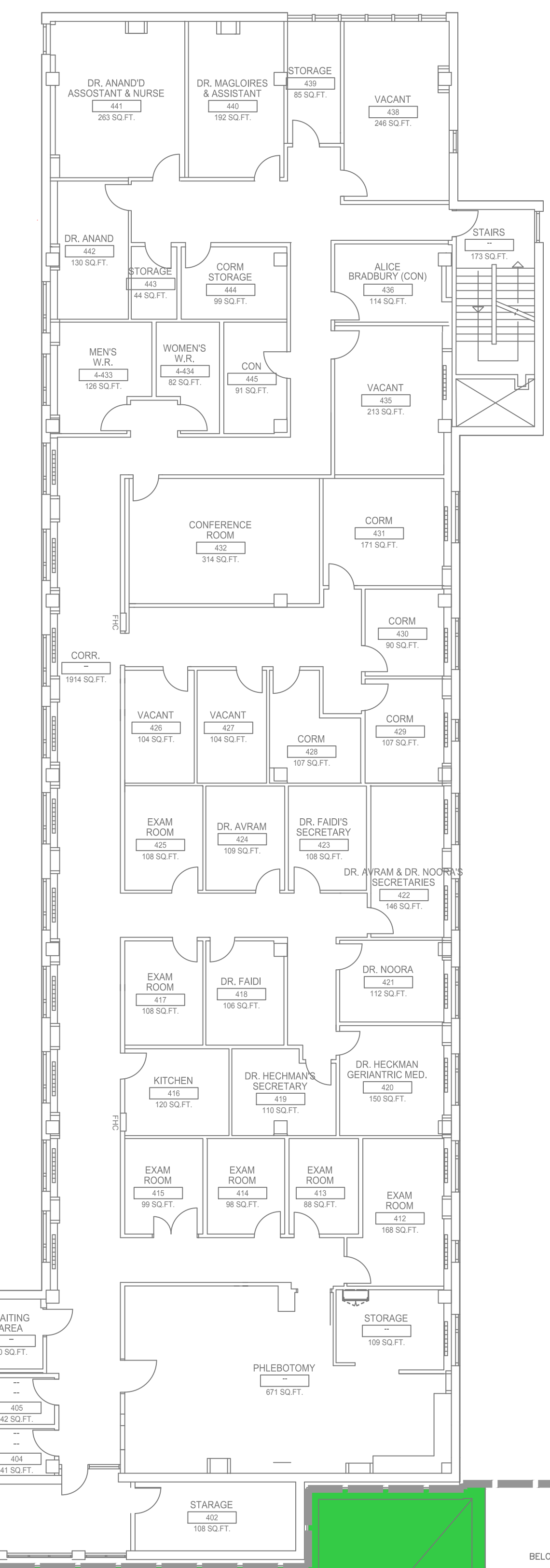
SHEET SIZE = ARCH 'D' - 24" x 36" (MPEB4) = 610mm x 914mm (MTRC)

NORTH WING LEVEL 4



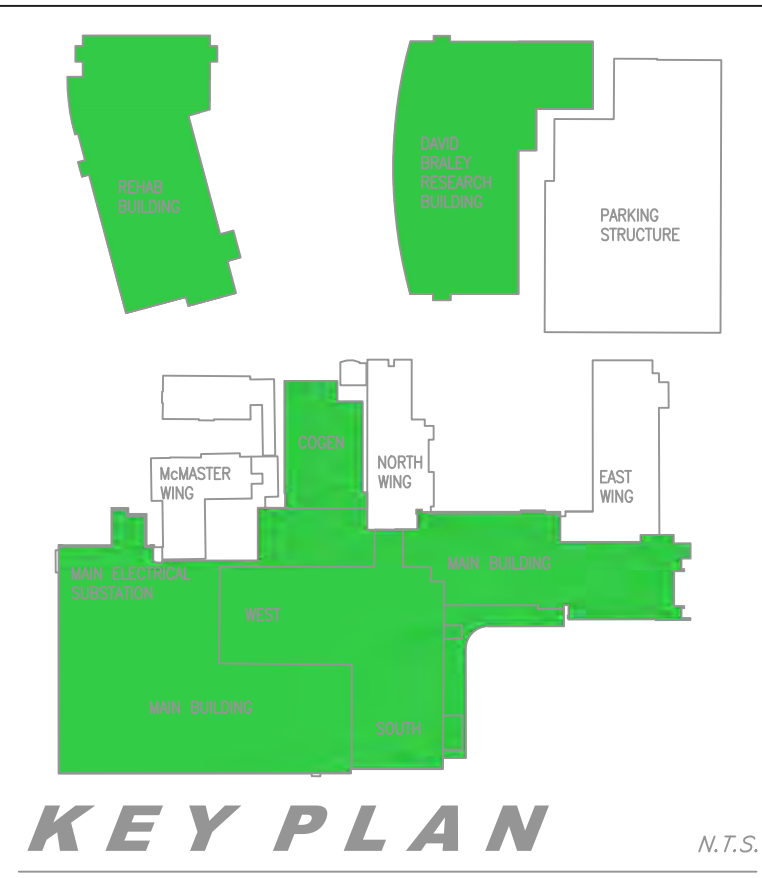
MAIN BUILDING - LEVEL 4

EAST WING LEVEL 4



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- LEGEND - OTHER**
- PI ACM PIPE INSULATION
 - DI ACM DUCT INSULATION
 - MI ACM MECHANICAL INSULATION
 - T1 TYPE 1 ENTRY
 - T2 TYPE 2 ENTRY
 - T3 TYPE 3 ENTRY
 - TF ACM TEXTURE FINISH
 - FS ACM FIRESTOPPING
 - T TRANSITE
 - NAR NO ACCESS TO ROOM/AREA

GENERAL SITE

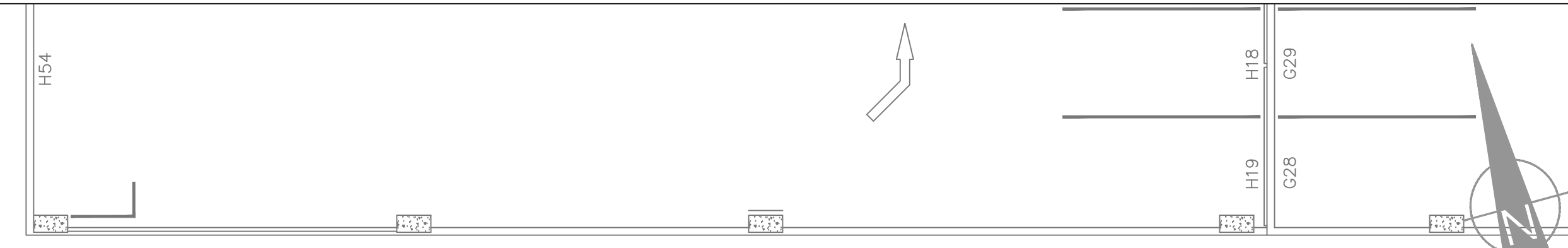
Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: EAST WING AND NORTH WING LEVEL 4 OTHER ACM

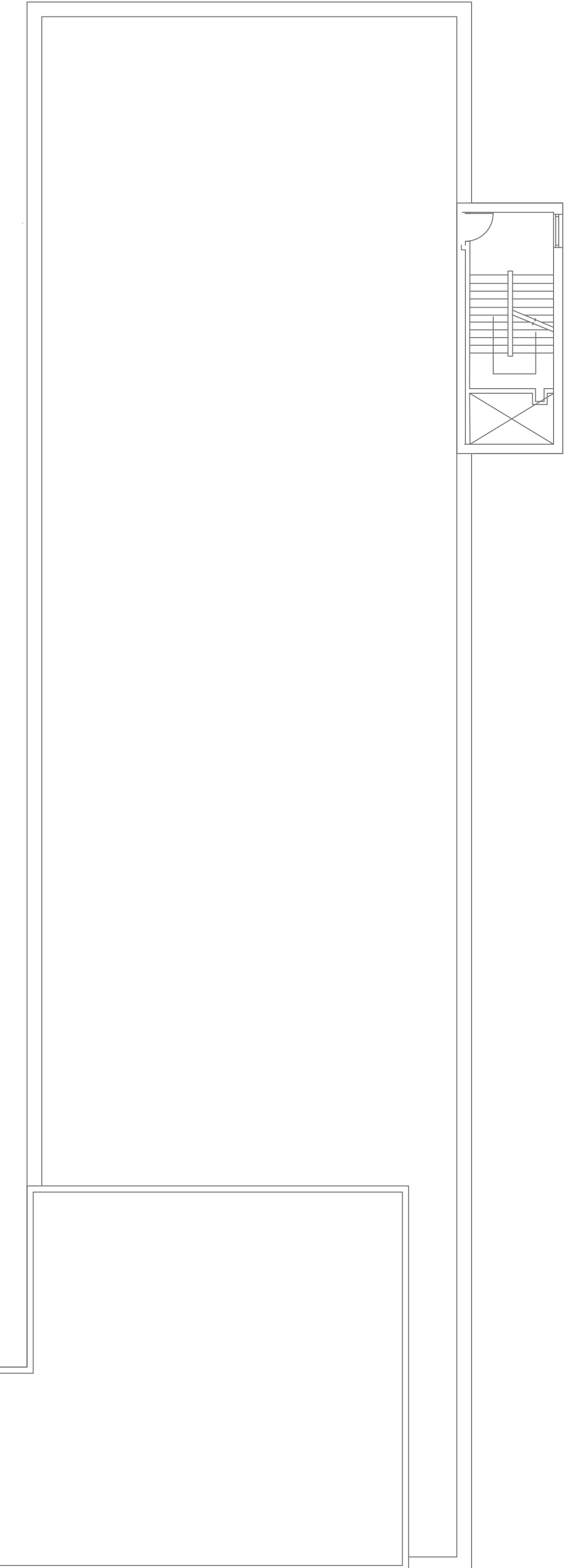
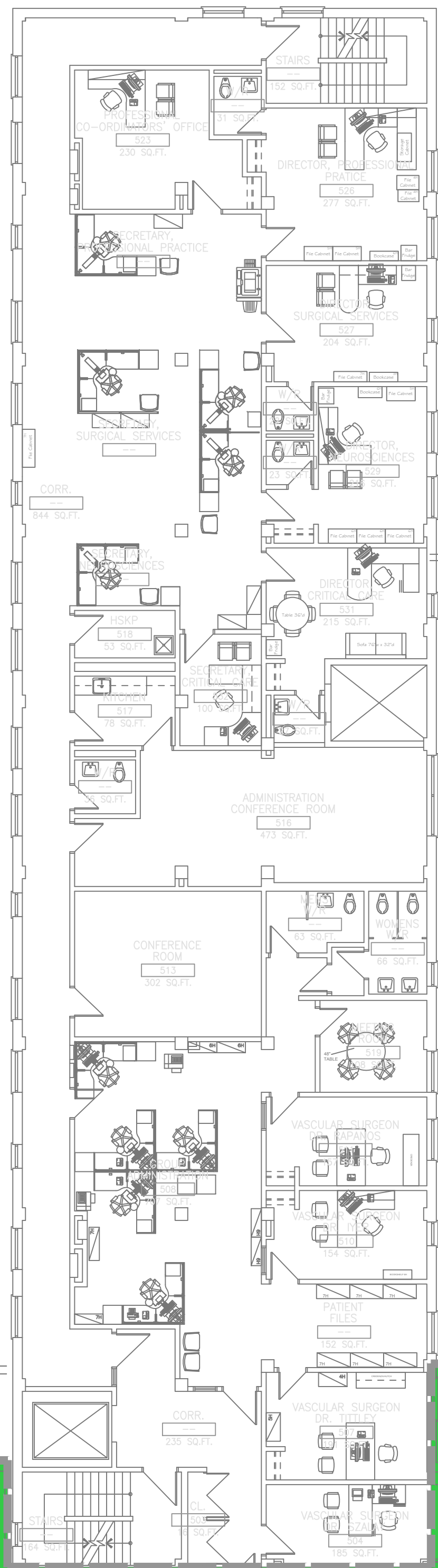
PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE: RA-05D RA-05 Floor Level 4 FW and NW HIGH
DRAWING No.

RA-05D



NORTH WING LEVEL 5

EAST WING LEVEL 5



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KEY PLAN N.T.S.

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11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - FLOORS

- ACM VINYL FLOOR TILES
- ACM VINYL SHEET FLOORING
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 5 ACM ON FLOORS

PLOT DATE: NOVEMBER 2018
SCALE: N.T.S.
DRAWN BY: JORDAN BOULOS

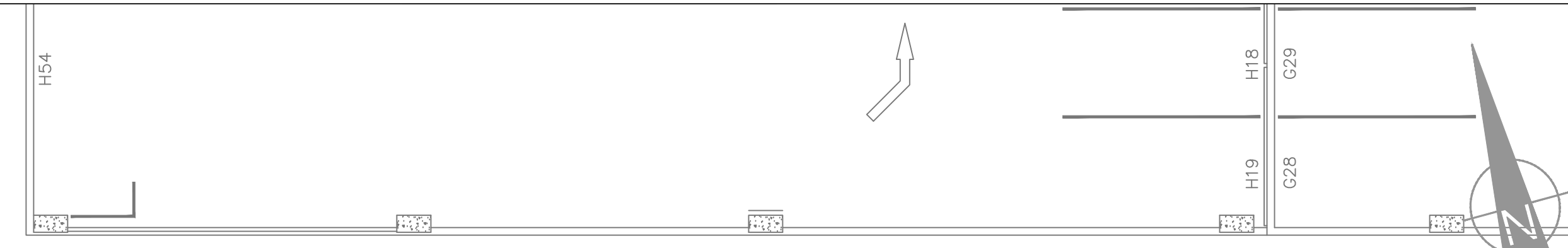
DEPARTMENT: HAZARDOUS MATERIALS
SUPERVISOR: MICHAEL MAIORANA
FILE NAME: 2018030 RA-06 Floor Level 5 NW and EW HIGH

DRAWING No. RA-06A

MAIN BUILDING - LEVEL 5

TEACHING 5-127 364 SQ.FT.
AIR LOCK 5-138 85 SQ.FT.
NUR LOU 5- 246 SQ.FT.

SHEET SIZE = ARCH D - 24" x 36" (MPEB4) = 610mm x 914mm (MTRC)

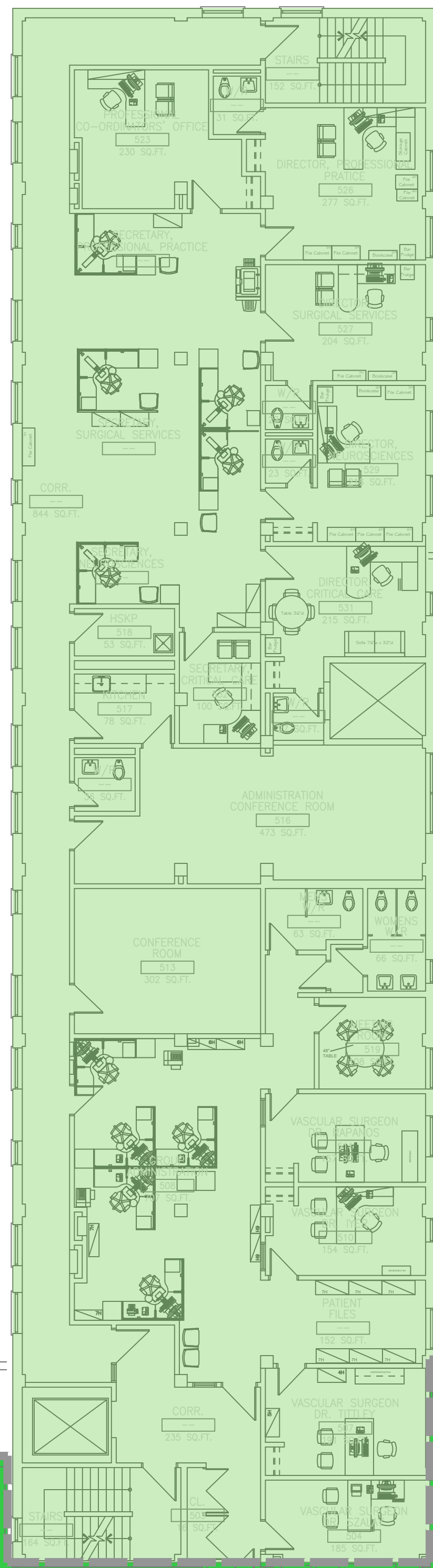


NORTH WING LEVEL 5

EAST WING LEVEL 5



KEY PLAN N.T.S.



GENERAL NOTES:

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NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

- LEGEND - WALLS**
- ACM DRYWALL JOINT COMPOUND ON WALLS
 - ACM PLASTER ON WALLS
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 5
ACM ON WALLS

PLOT DATE: NOVEMBER 2018
SCALE: N.T.S.
DRAWN BY: JORDAN BOULOS

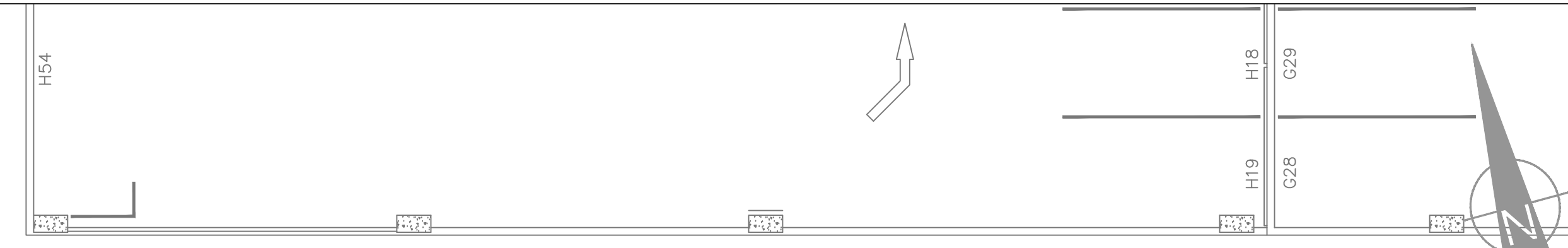
DEPARTMENT: HAZARDOUS MATERIALS
SUPERVISOR: MICHAEL MAIORANA
FILE NAME: 030 RA-06 Floor Level 5 NW and EW HIGH

DRAWING No. **RA-06B**

MAIN BUILDING - LEVEL 5

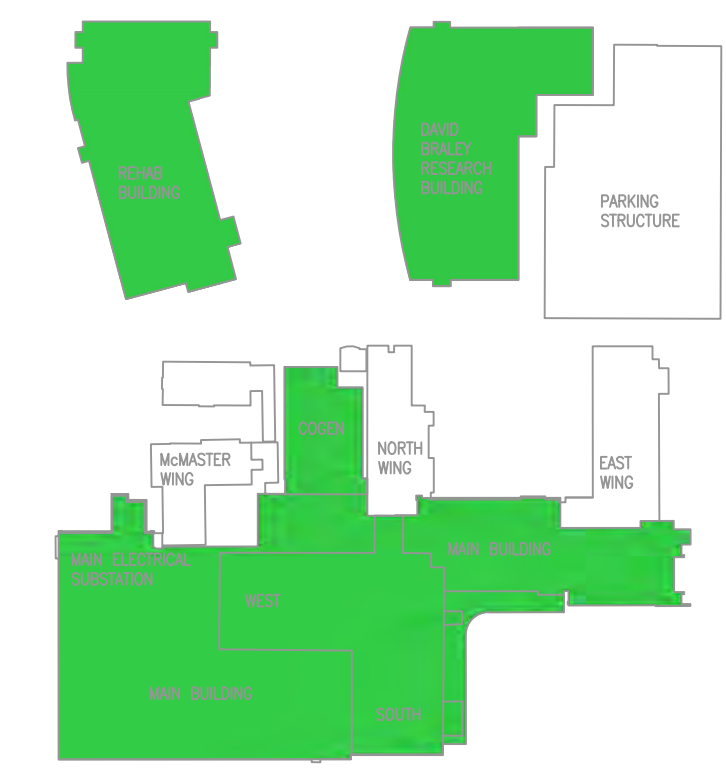
TEACHING 5-127 364 SQ.FT.
AIR LOCK 5-138 85 SQ.FT.
CORR. 5-139 246 SQ.FT.

SHEET SIZE = ARCH D - 24" x 36" (MPERBL) = 610mm x 914mm (MTRC)

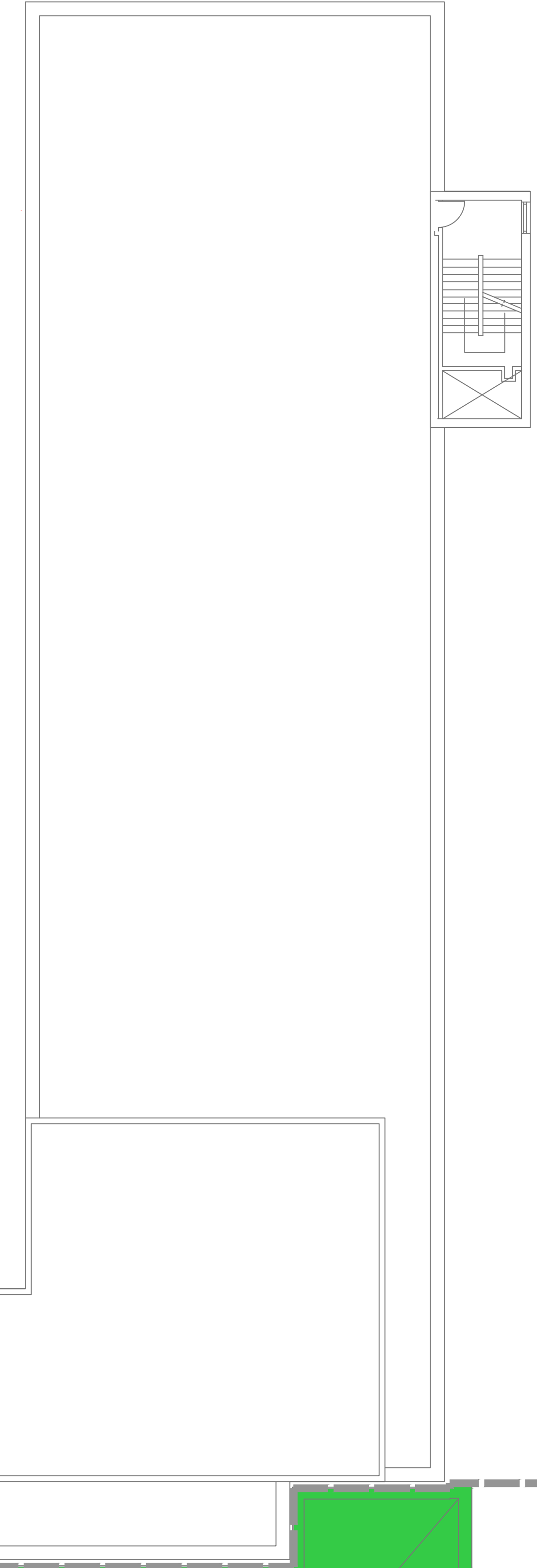
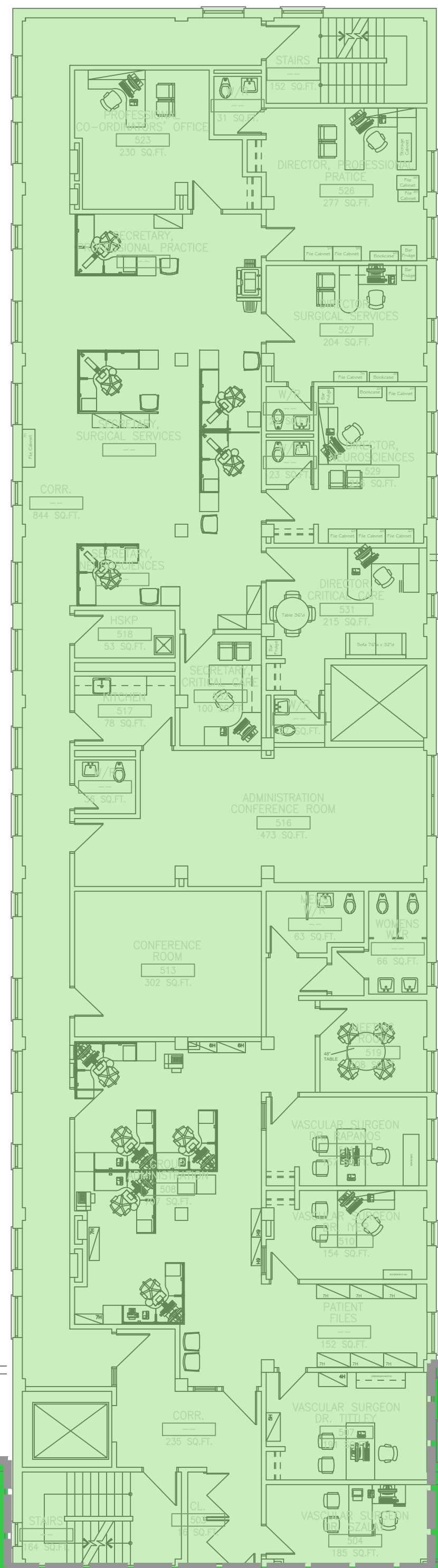


NORTH WING LEVEL 5

EAST WING LEVEL 5



KEY PLAN N.T.S.



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11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - CEILING

- ACM TEXTURE FINISH ABOVE DRYWALL CEILING
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

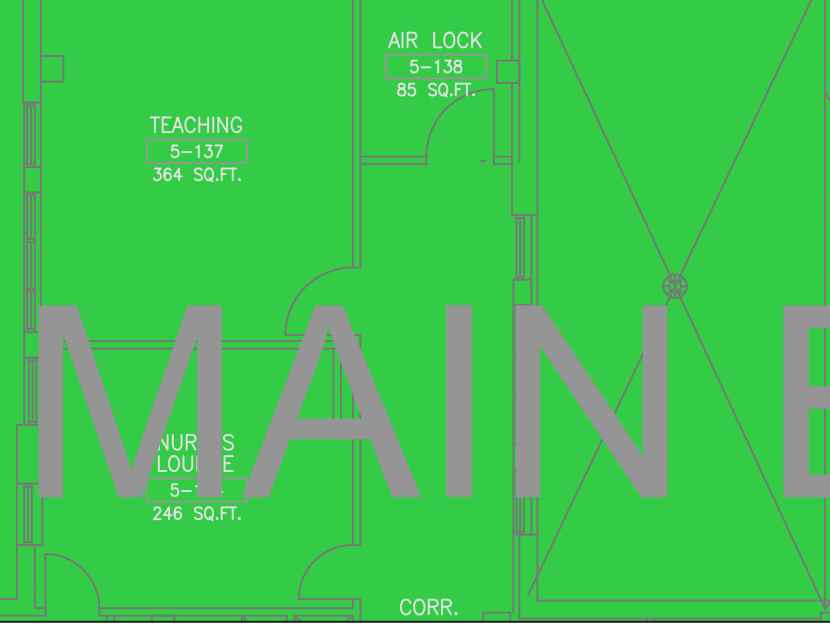
PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 5 ACM ON CEILINGS

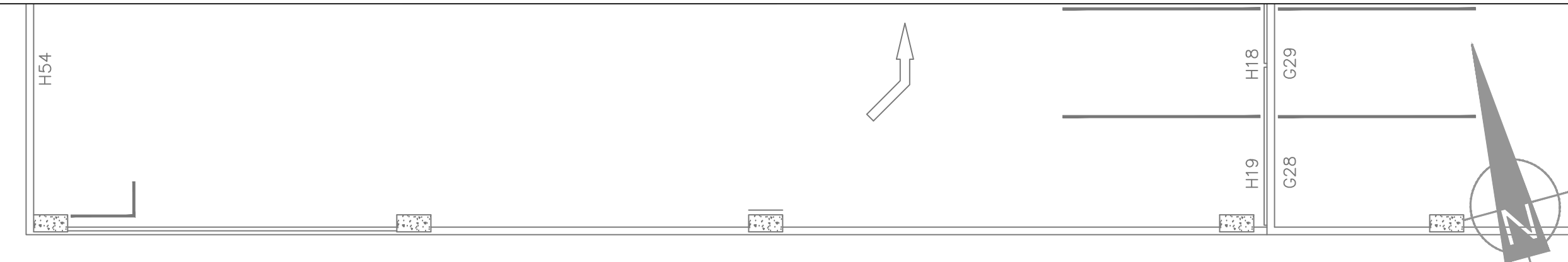
PLOT DATE: NOVEMBER 2018
DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.
SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS
FILE NAME: RA-06 Floor Level 5_NW and EW_HGH

DRAWING No. RA-06C

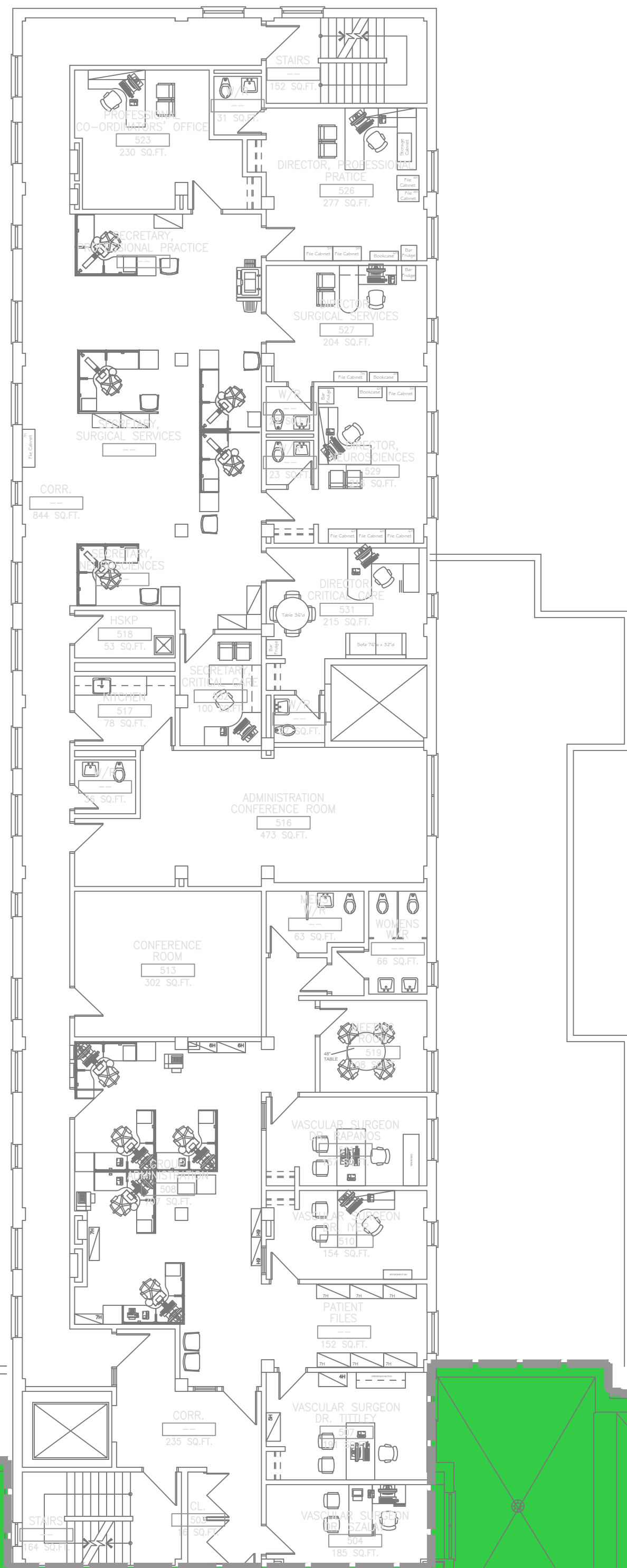
MAIN BUILDING - LEVEL 5



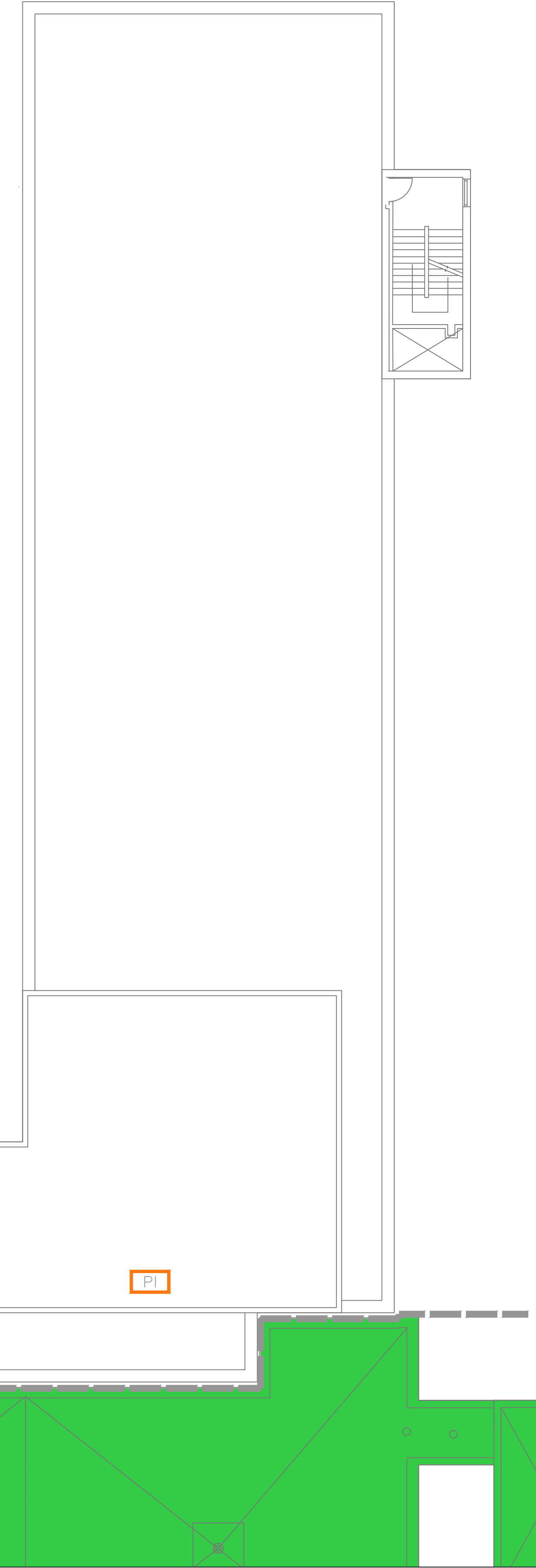
SHEET SIZE = ARCH D - 24" x 36" (MPEBML) = 610mm x 914mm (MTRC)



NORTH WING LEVEL 5



EAST WING LEVEL 5



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KEY PLAN N.T.S.

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9	3/31/2016		UPDATED by ECOH	MM
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11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

LEGEND - OTHER

- PI ACM PIPE INSULATION
- DI ACM DUCT INSULATION
- MI ACM MECHANICAL INSULATION
- T1 TYPE 2 ENTRY
- T2 TYPE 2 ENTRY
- T3 TYPE 2 ENTRY
- TF ACM TEXTURE FINISH
- FS ACM FIRESTOPPING
- T TRANSITE
- NAR NO ACCESS TO ROOM/AREA
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 5
OTHER ACM

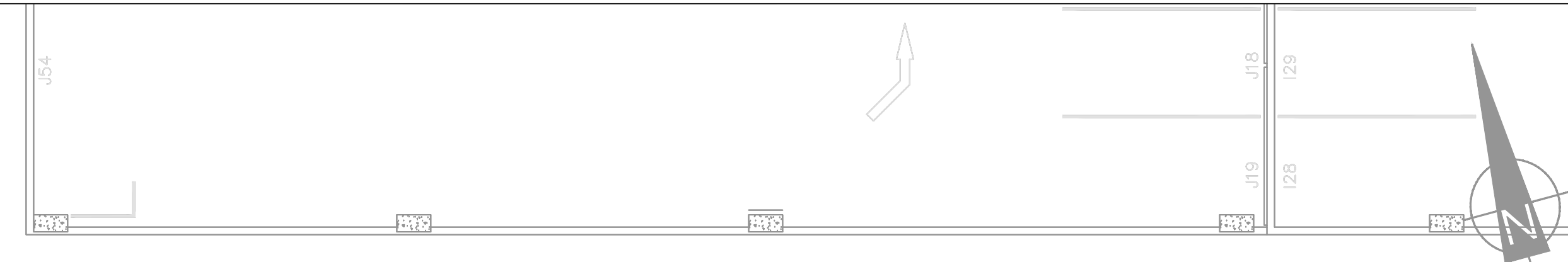
PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: 2018030 RA-06 Floor Level 5_NW and EW_HGH
DRAWING No.:	

RA-06D

MAIN BUILDING - LEVEL 5

TEACHING 5-137 364 SQ.FT.
AIR LOCK 5-138 85 SQ.FT.
NUR LOU 5-139 246 SQ.FT.

SHEET SIZE = ARCH D - 24" x 36" (MPEB4) - 610mm x 914mm (MTRC)

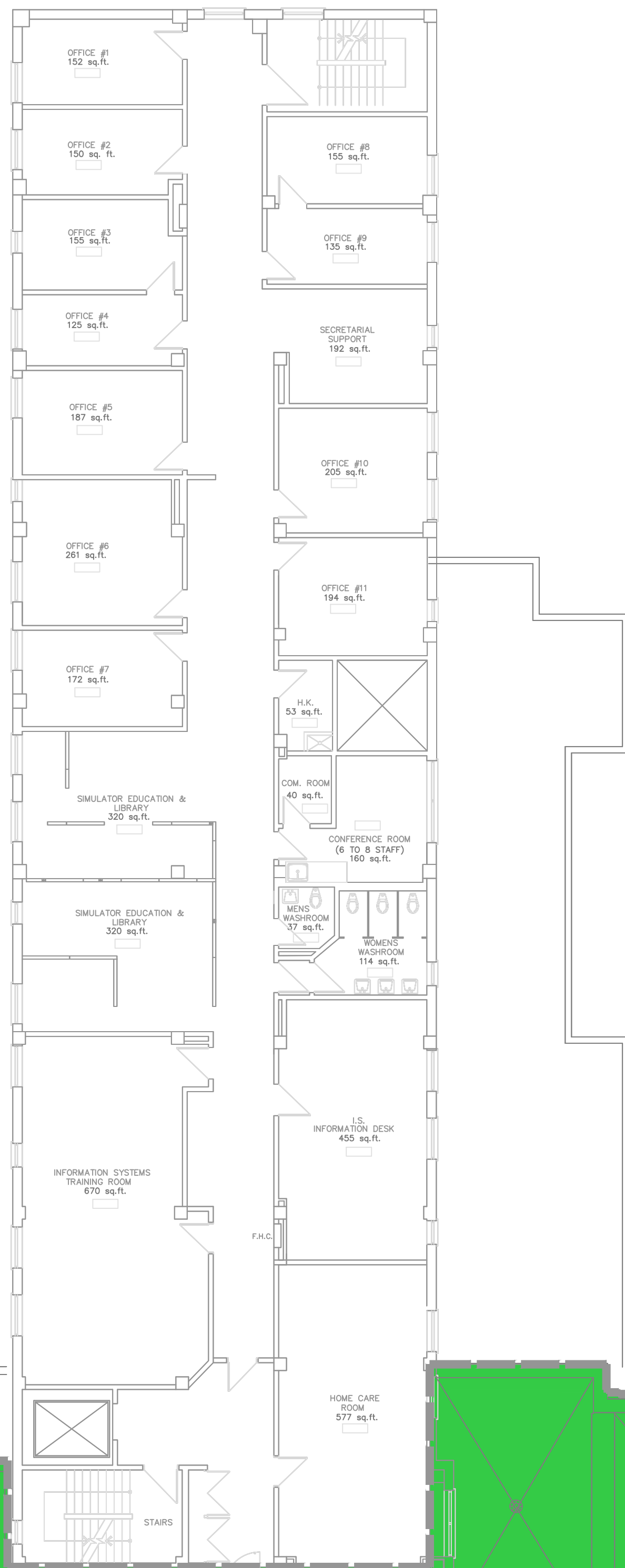


NORTH WING LEVEL 6

EAST WING LEVEL 6



KEY PLAN N.T.S.



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LEGEND - FLOORS

- ACM VINYL FLOOR TILES
- ACM VINYL SHEET FLOORING
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

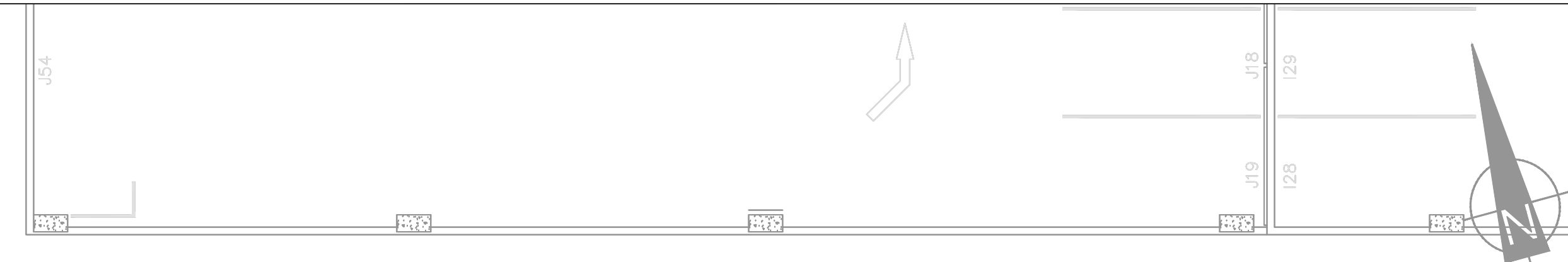
PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 6
ACM ON FLOORS

PLOT DATE: NOVEMBER 2018
DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.
SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS
FILE NAME: 030 RA-07 Floor Level 6 FW and NW HIGH
DRAWING No.:

RA-07A

SHEET SIZE = ARCH D - 24" x 36" (MPEBML) = 610mm x 914mm (MPEBCL)

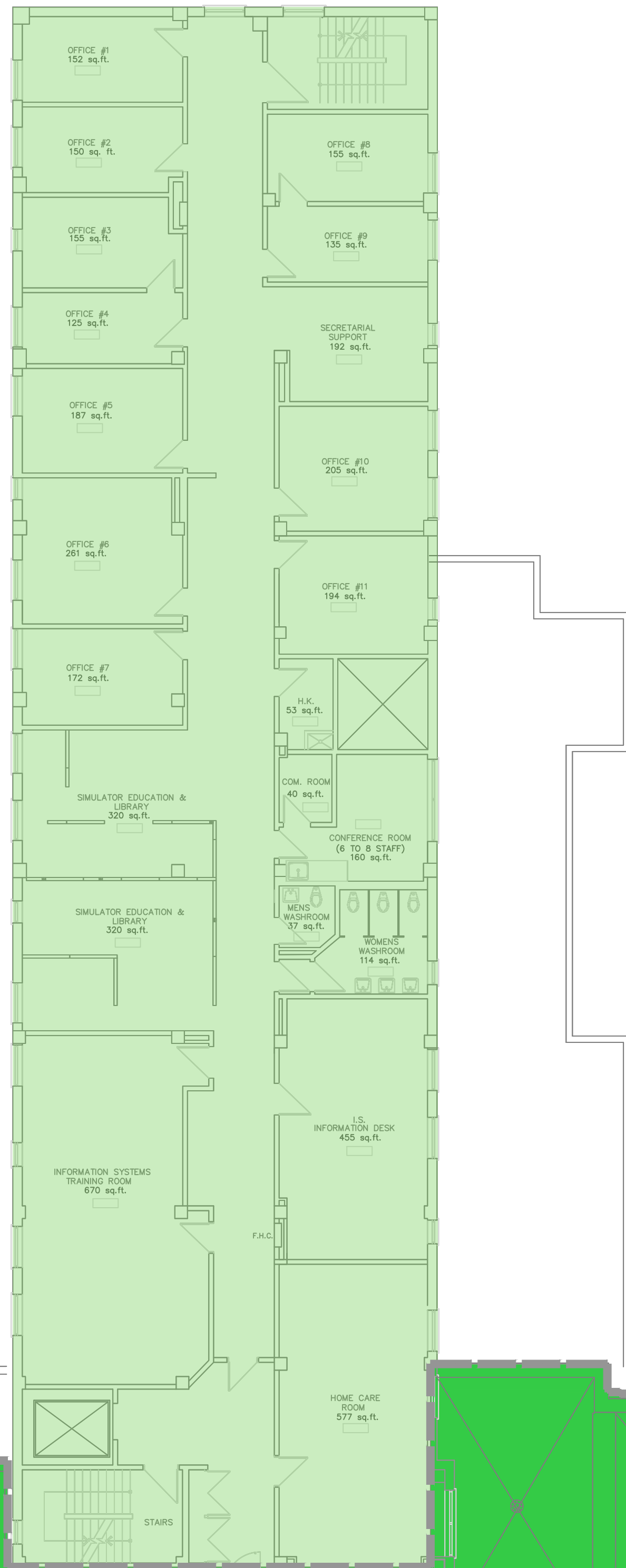


NORTH WING LEVEL 6

EAST WING LEVEL 6

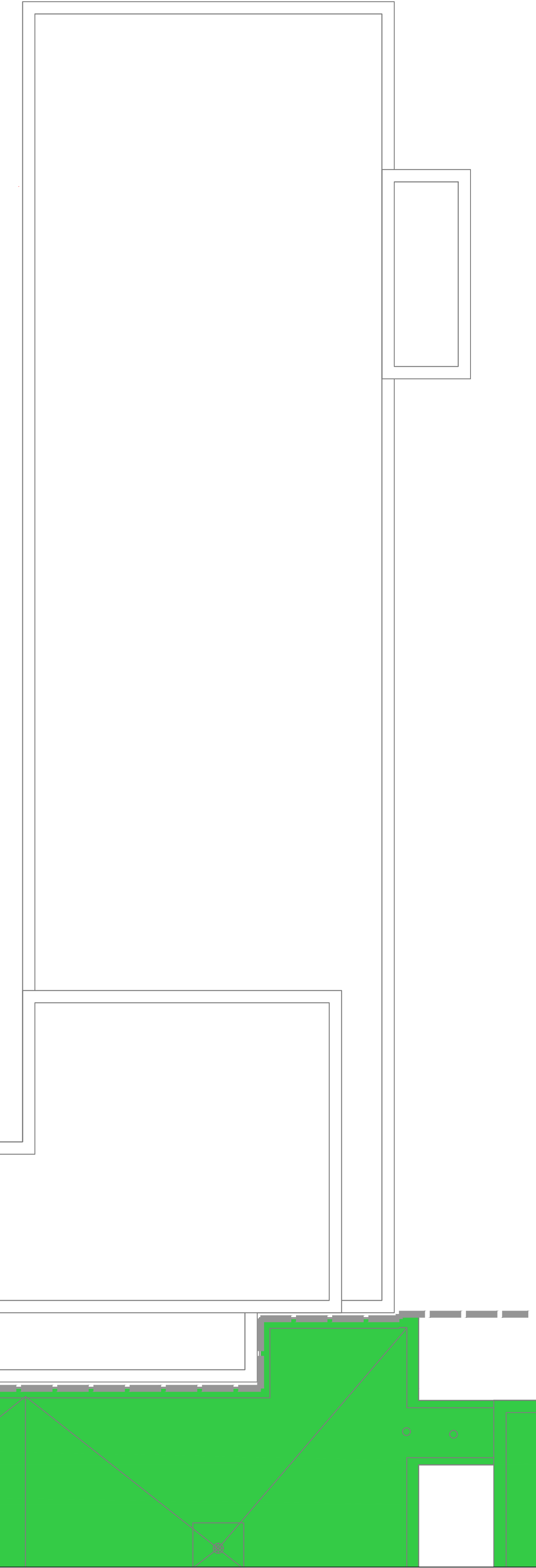


KEY PLAN N.T.S.



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10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - WALLS

- ACM DRYWALL JOINT COMPOUND ON WALLS
- ACM PLASTER ON WALLS
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

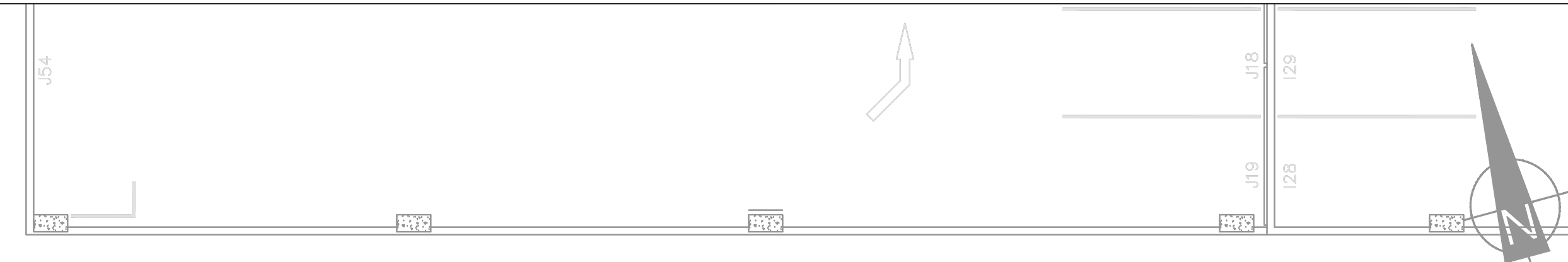
PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 6 ACM ON WALLS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE NAME: 030 RA-07 Floor Level 6 FW and NW HIGH
DRAWING No.

RA-07B

SHEET SIZE = ARCH D - 24" x 36" (MPEBML) - 610mm x 914mm (METER)

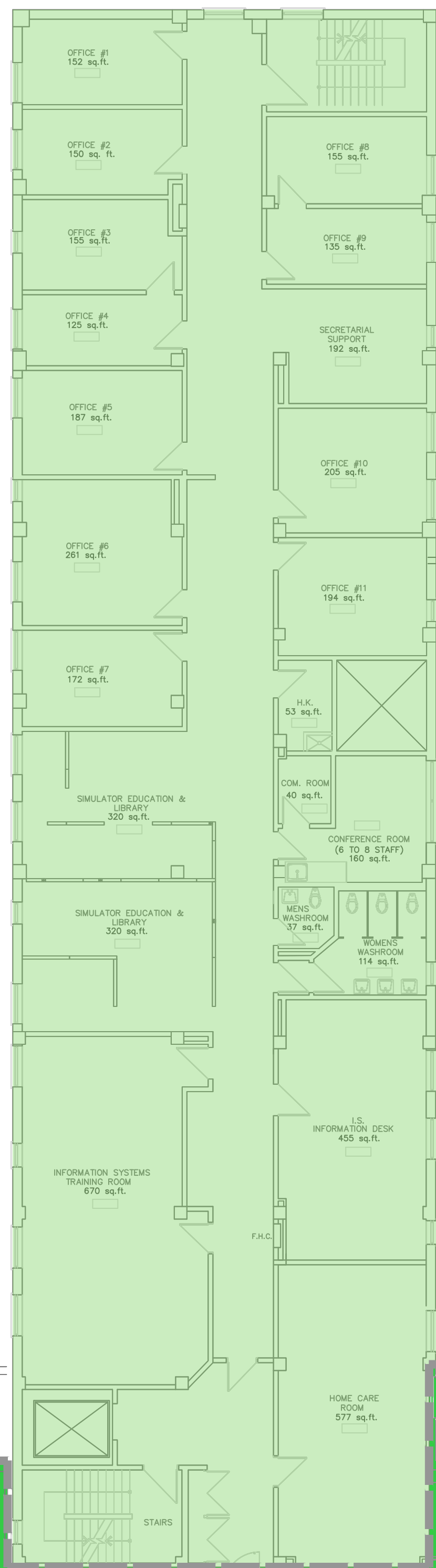


NORTH WING LEVEL 6

EAST WING LEVEL 6

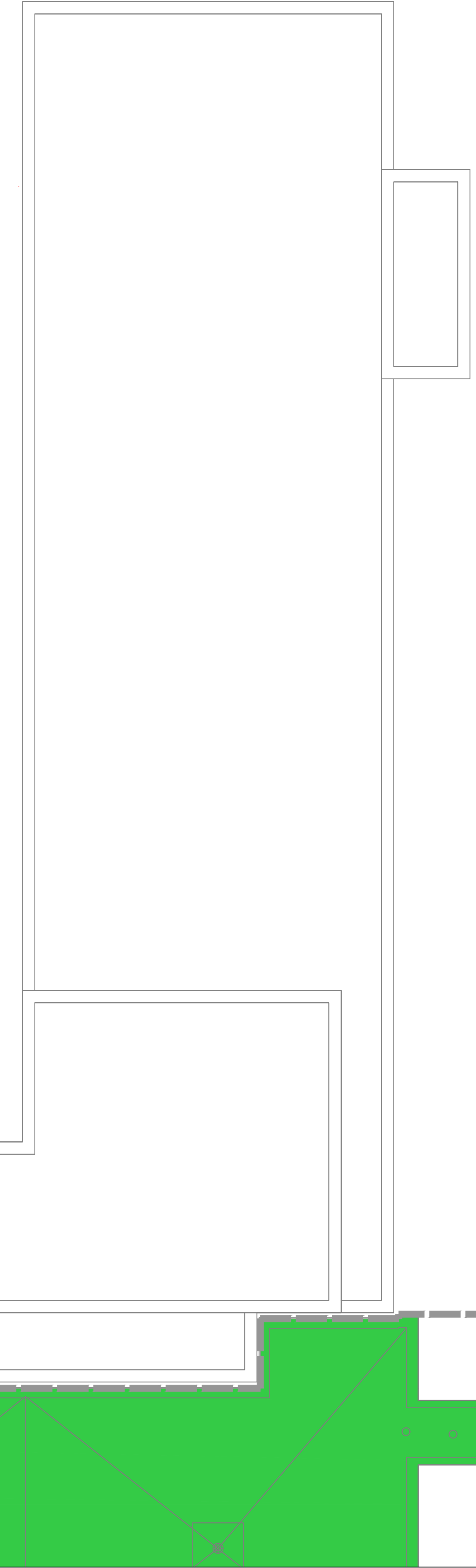


KEY PLAN N.T.S.



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LEGEND - CEILING

- ACM TEXTURE FINISH ABOVE DRYWALL CEILING
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

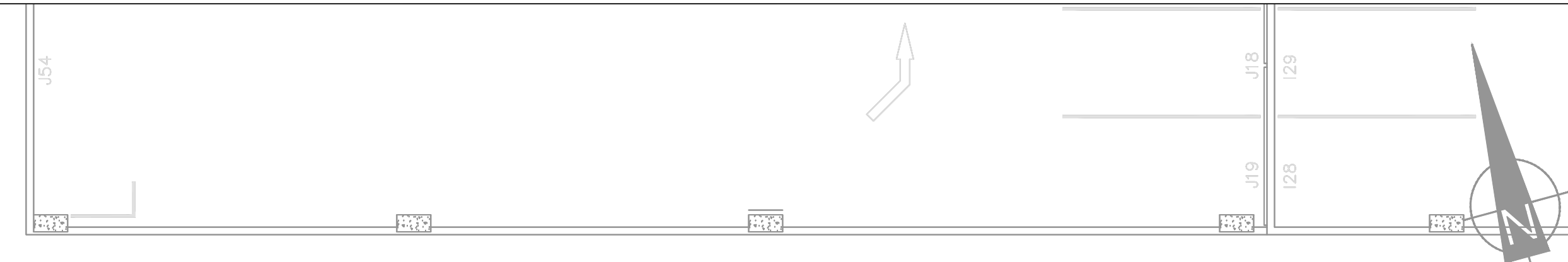
DRAWING:
EAST WING AND NORTH WING LEVEL 6 ACM ON CEILINGS

PLOT DATE: NOVEMBER 2018
DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.
SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS
FILE NAME: 030 RA-07 Floor Level 6 FW and NW HIGH

DRAWING No. RA-07C

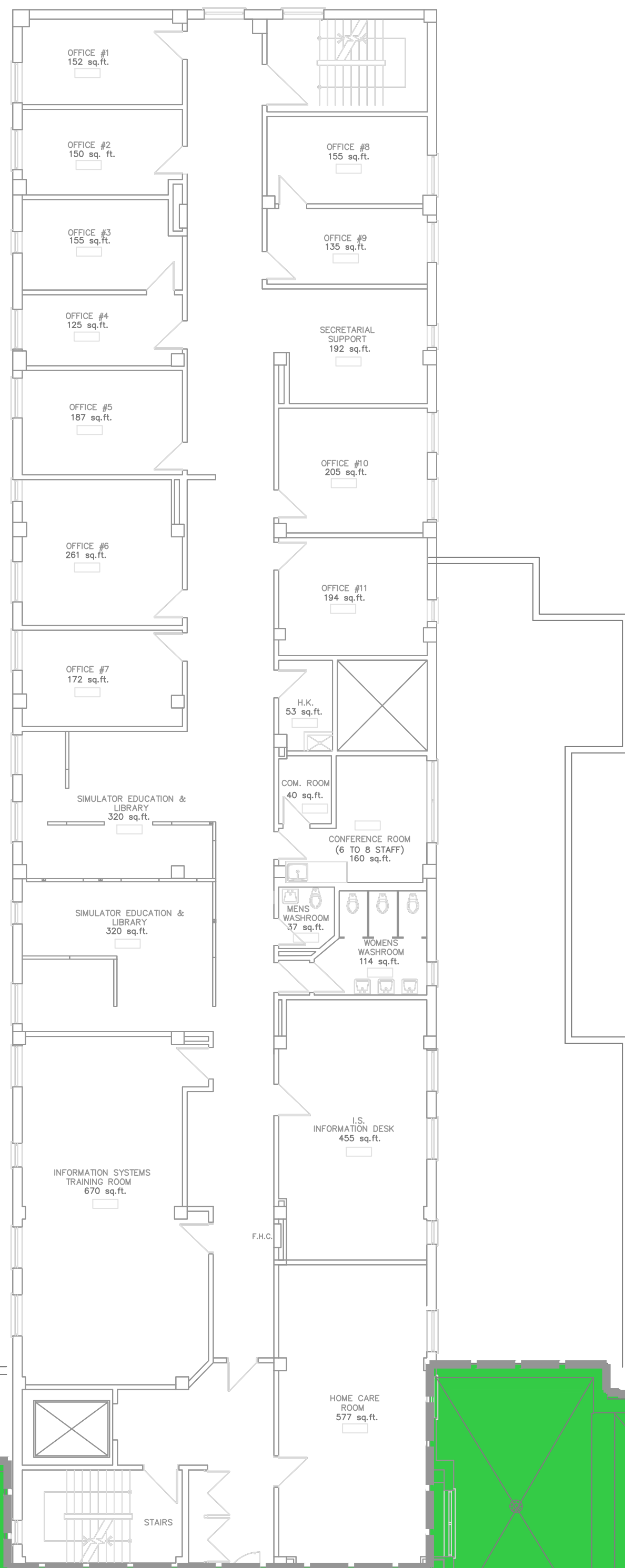
MAIN BUILDING - LEVEL 6

SHEET SIZE = ARCH D - 24" x 36" (MPEBML) - 610mm x 914mm (METER)



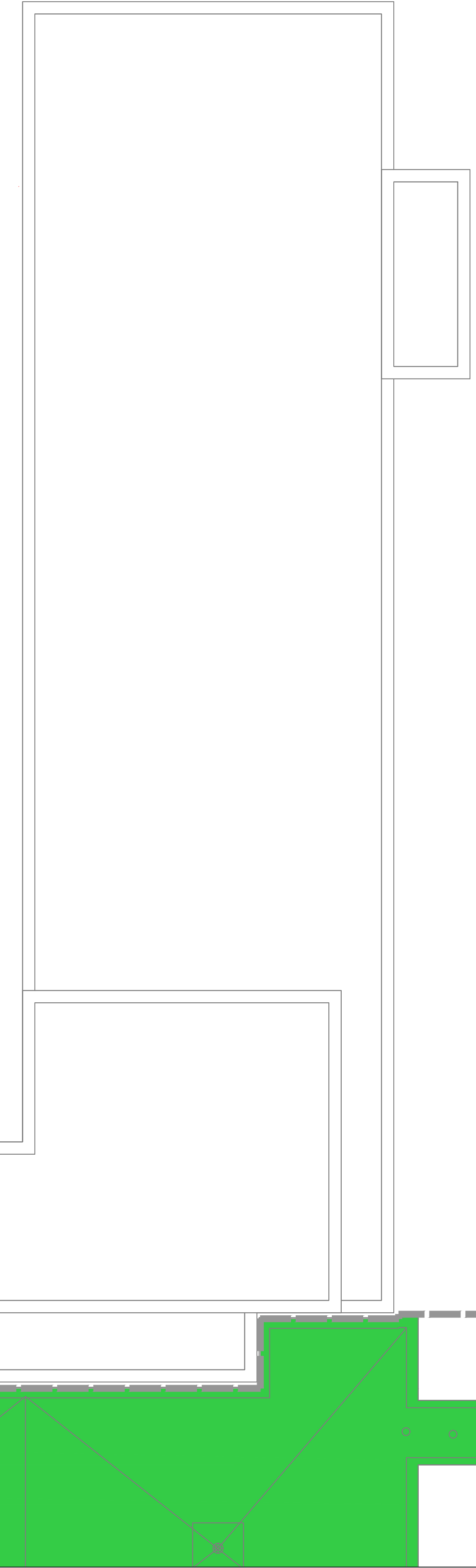
NORTH WING LEVEL 6

EAST WING LEVEL 6



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LEGEND - OTHER

PI	ACM PIPE INSULATION
DI	ACM DUCT INSULATION
MI	ACM MECHANICAL INSULATION
T1	TYPE 2 ENTRY
T2	TYPE 2 ENTRY
T3	TYPE 2 ENTRY
TF	ACM TEXTURE FINISH
FS	ACM FIRESTOPPING
T	TRANSITE
NAR	NO ACCESS TO ROOM/AREA
(Green Box)	ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

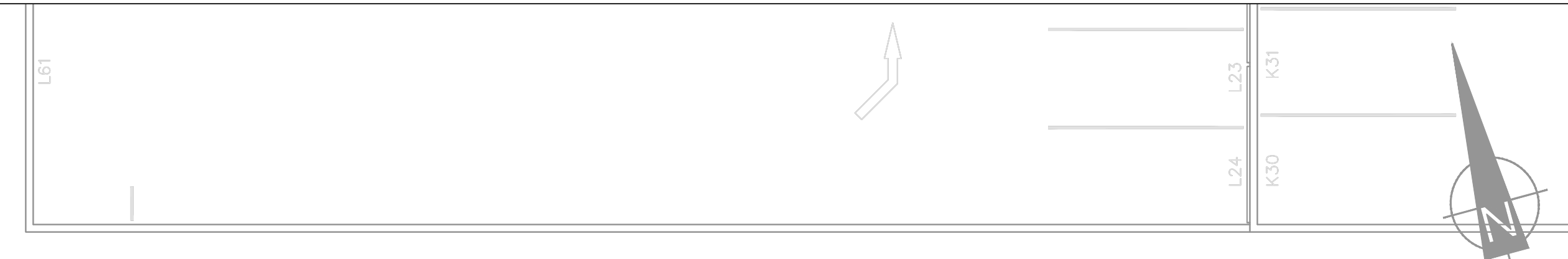
DRAWING:
EAST WING AND NORTH WING LEVEL 6
OTHER ACM

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE #: 1406030 RA-07 Floor Level 6 FW and NW HIGH

RA-07D

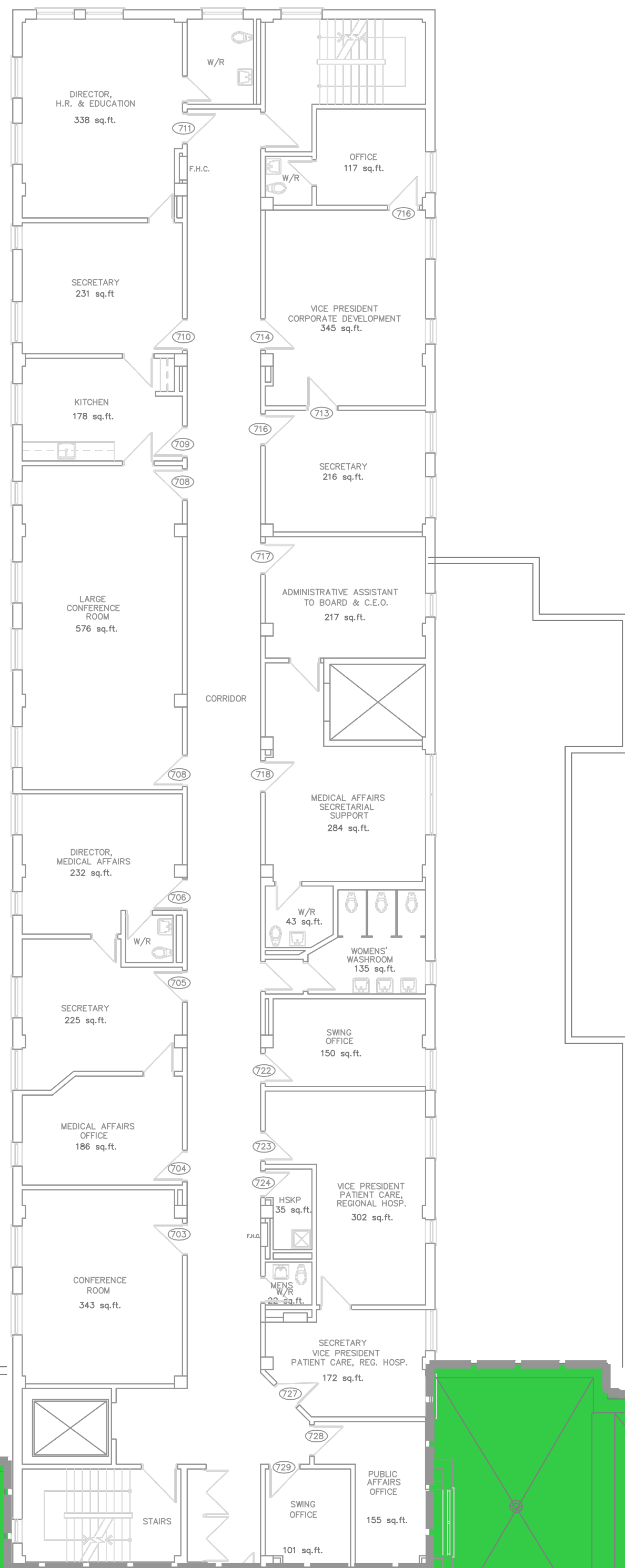
MAIN BUILDING - LEVEL 6

SHEET SIZE = ARCH D - 24" x 36" (MPEB4) - 610mm x 914mm (MPEB4)



NORTH WING LEVEL 7

EAST WING LEVEL 7



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5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

LEGEND - FLOORS

- ACM VINYL FLOOR TILES
- ACM VINYL SHEET FLOORING
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

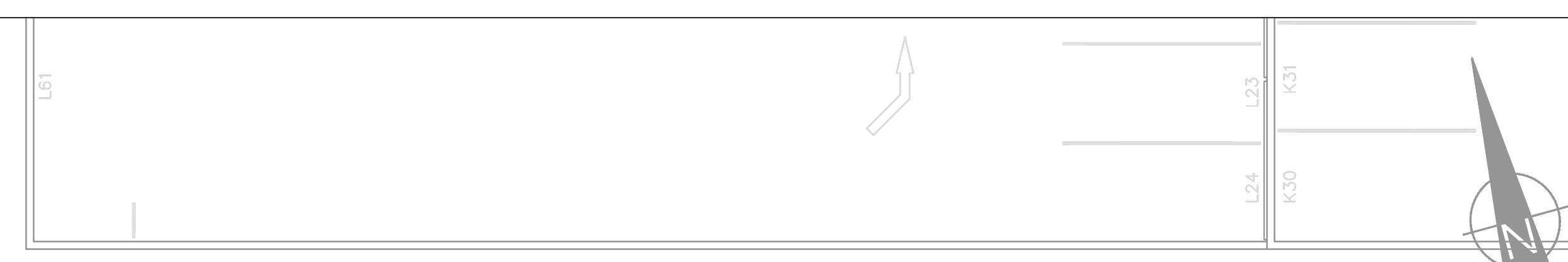
PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 7 ACM ON FLOORS

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: HHS030 RA-08 Floor Level 7 EW and NW HIGH

RA-08A

SHEET SIZE = ARCH D - 24" x 36" (MPERBL) = 610mm x 914mm (METRIC)

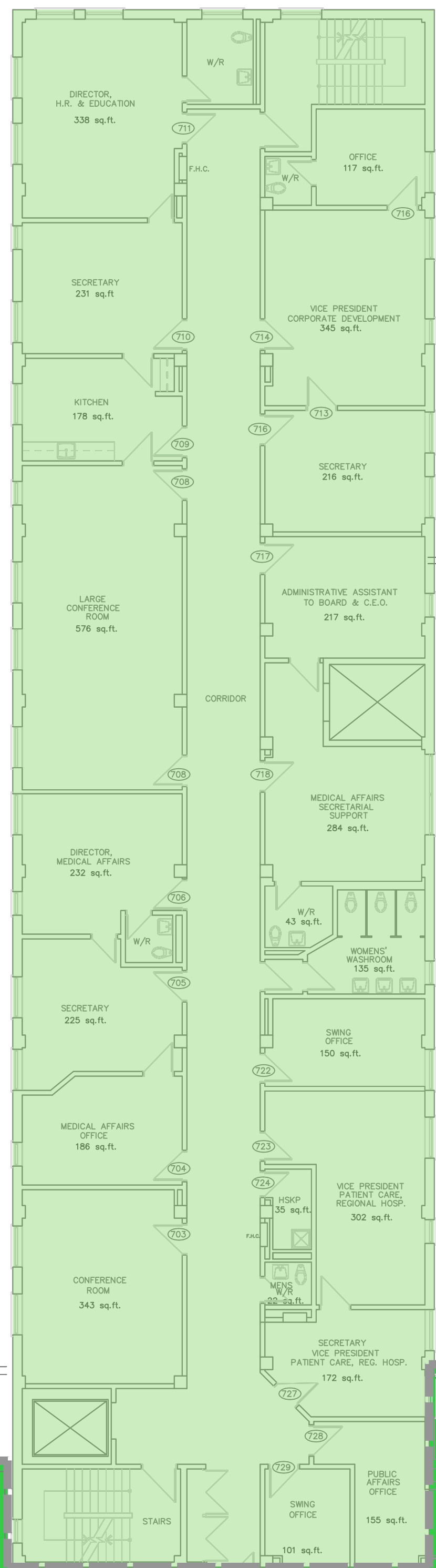


NORTH WING LEVEL 7

EAST WING LEVEL 7

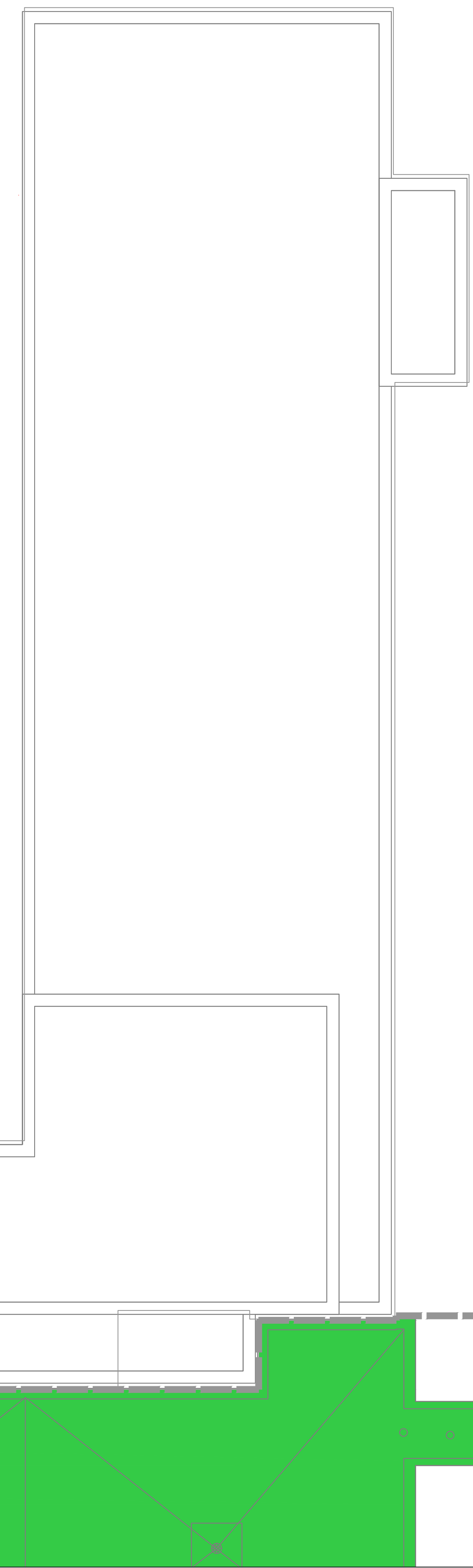


KEY PLAN N.T.S.



GENERAL NOTES:

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2	2/1/2013		COMPLETE DRAWING UPDATED	GS
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LEGEND - WALLS

- ACM DRYWALL JOINT COMPOUND ON WALLS
- ACM PLASTER ON WALLS
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 7 ACM ON WALLS

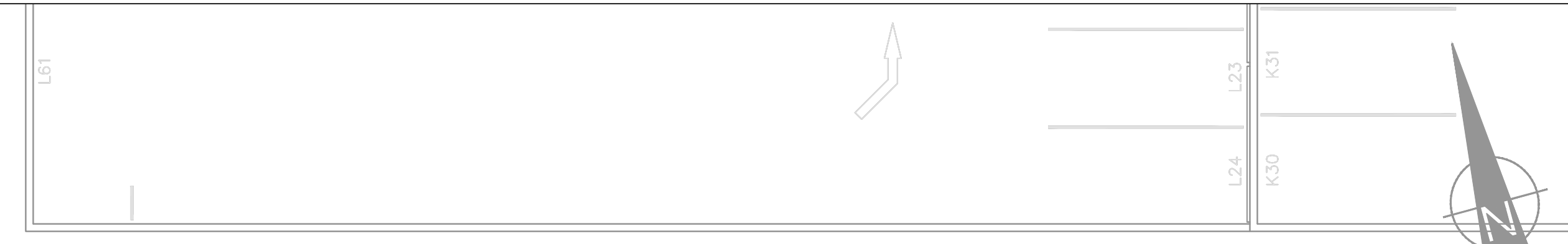
PLOT DATE: NOVEMBER 2018
SCALE: N.T.S.
DRAWN BY: JORDAN BOULOS

DEPARTMENT: HAZARDOUS MATERIALS
SUPERVISOR: MICHAEL MAIORANA
FILE NAME: 030 RA-08 Floor Level 7 EW and NW HIGH

DRAWING No. RA-08B

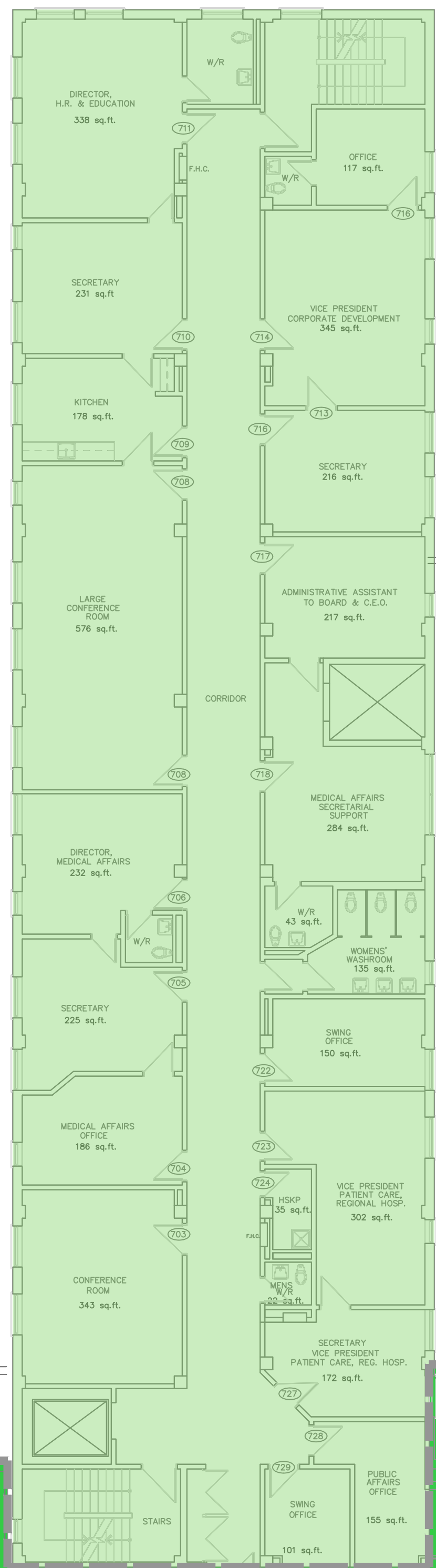
COMBINED AREAS MAIN BUILDING - LEVEL 7

SHEET SIZE = ARCH D - 24" x 36" (MPEBML) - 610mm x 914mm (METER)



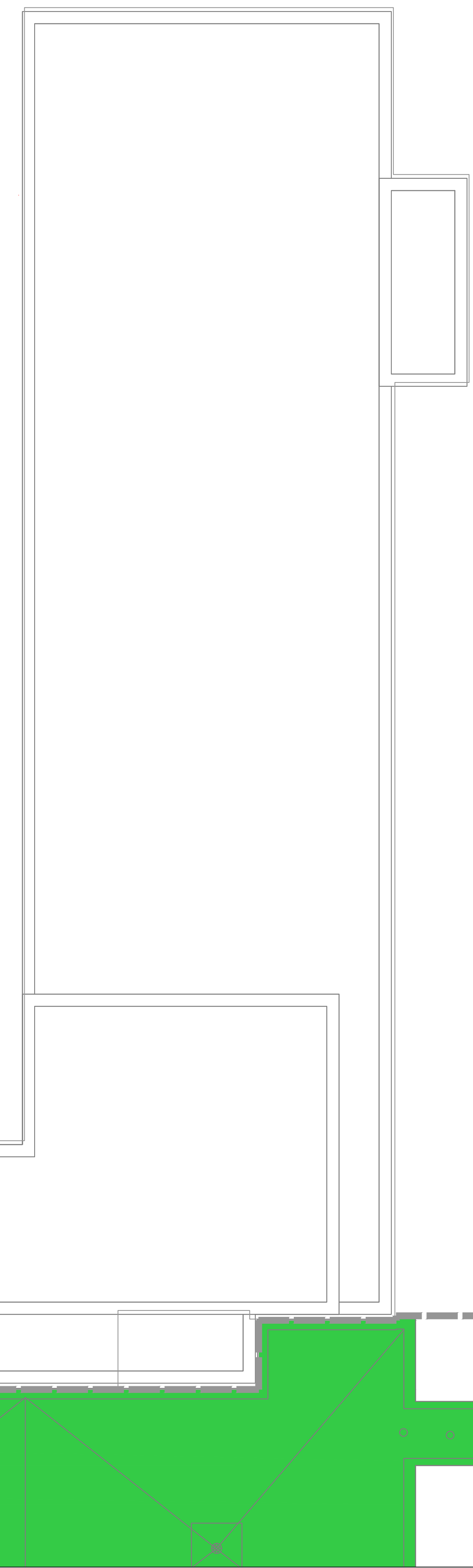
NORTH WING LEVEL 7

EAST WING LEVEL 7



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KEY PLAN N.T.S.

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11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - CEILING

- ACM TEXTURE FINISH ABOVE DRYWALL CEILING
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

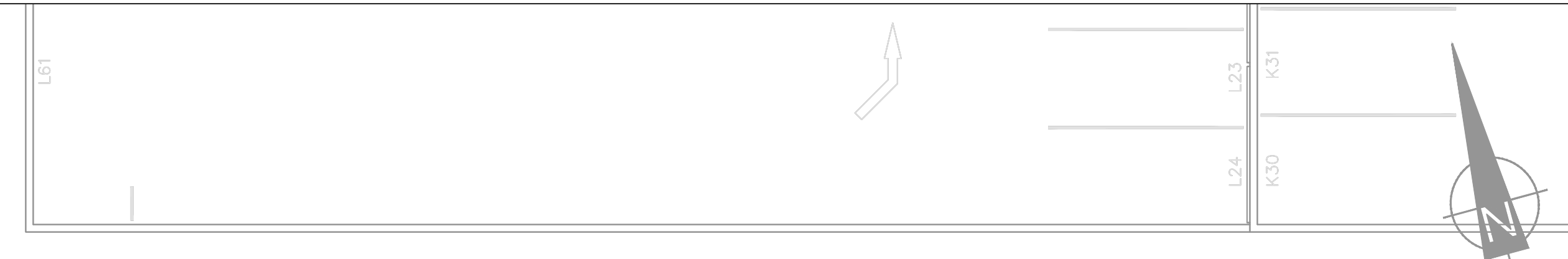
DRAWING:
EAST WING AND NORTH WING LEVEL 7 ACM ON CEILINGS

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: RA-08C-030 RA-08 Floor Level 7 EW and NW HIGH

RA-08C

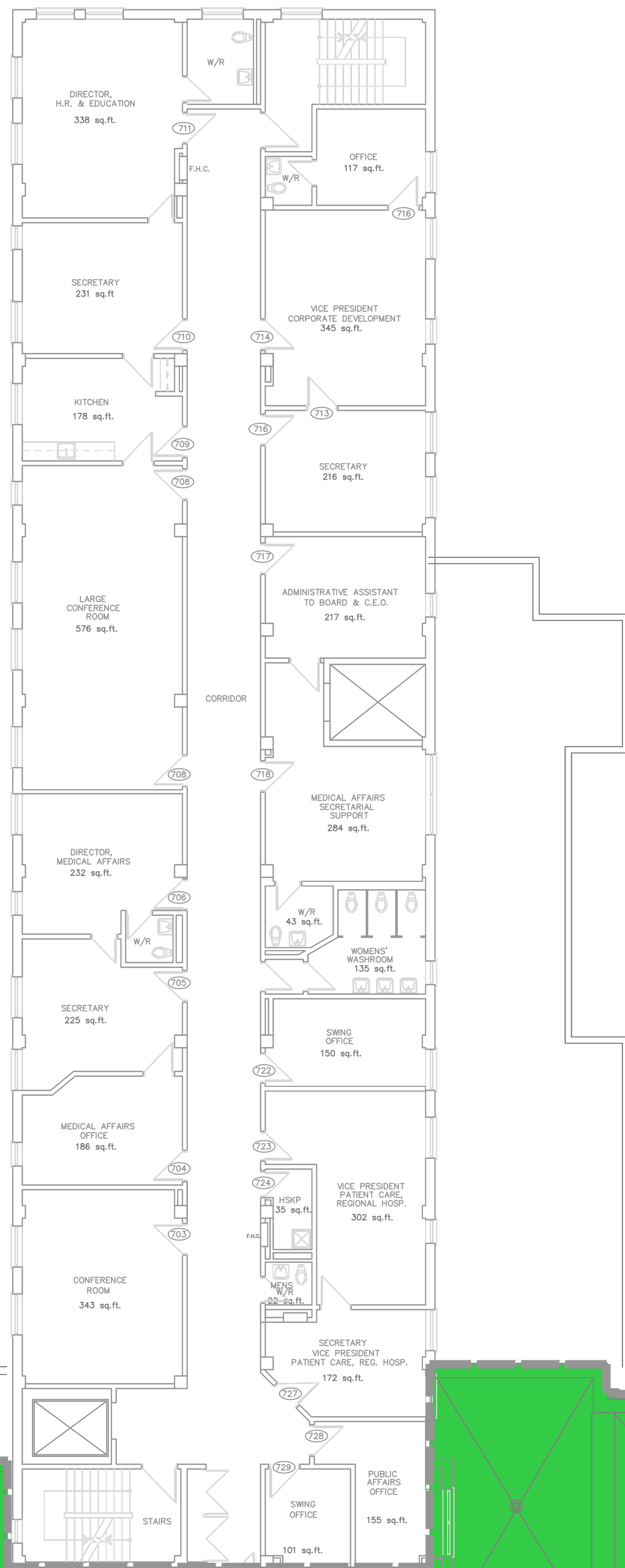
MAIN BUILDING - LEVEL 7

SHEET SIZE = ARCH D - 24" x 36" (MPEBML) - 610mm x 914mm (METER)



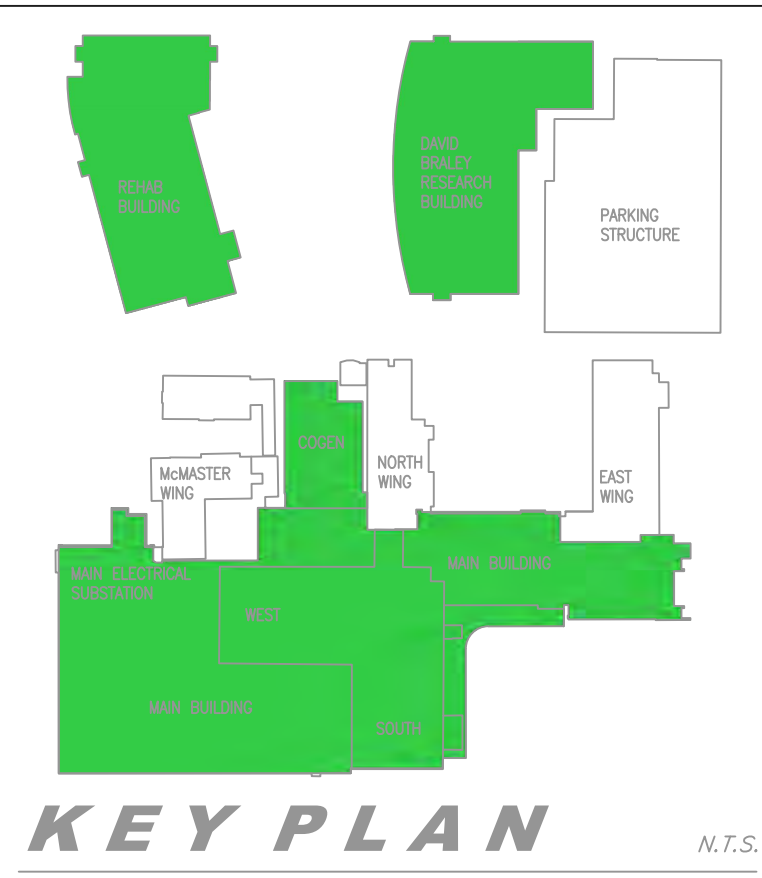
NORTH WING LEVEL 7

EAST WING LEVEL 7



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LEGEND - OTHER

- PI ACM PIPE INSULATION
- DI ACM DUCT INSULATION
- MI ACM MECHANICAL INSULATION
- T1 TYPE 2 ENTRY
- T2 TYPE 2 ENTRY
- T3 TYPE 2 ENTRY
- TF ACM TEXTURE FINISH
- FS ACM FIRESTOPPING
- T TRANSITE
- NAR NO ACCESS TO ROOM/AREA
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 7 OTHER ACM

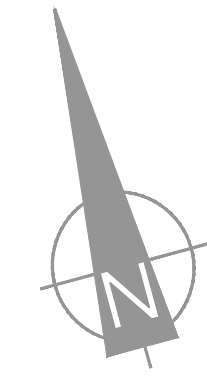
PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NO.: 1406030 RA-08 Floor Level 7 EW and NW HIGH

RA-08D

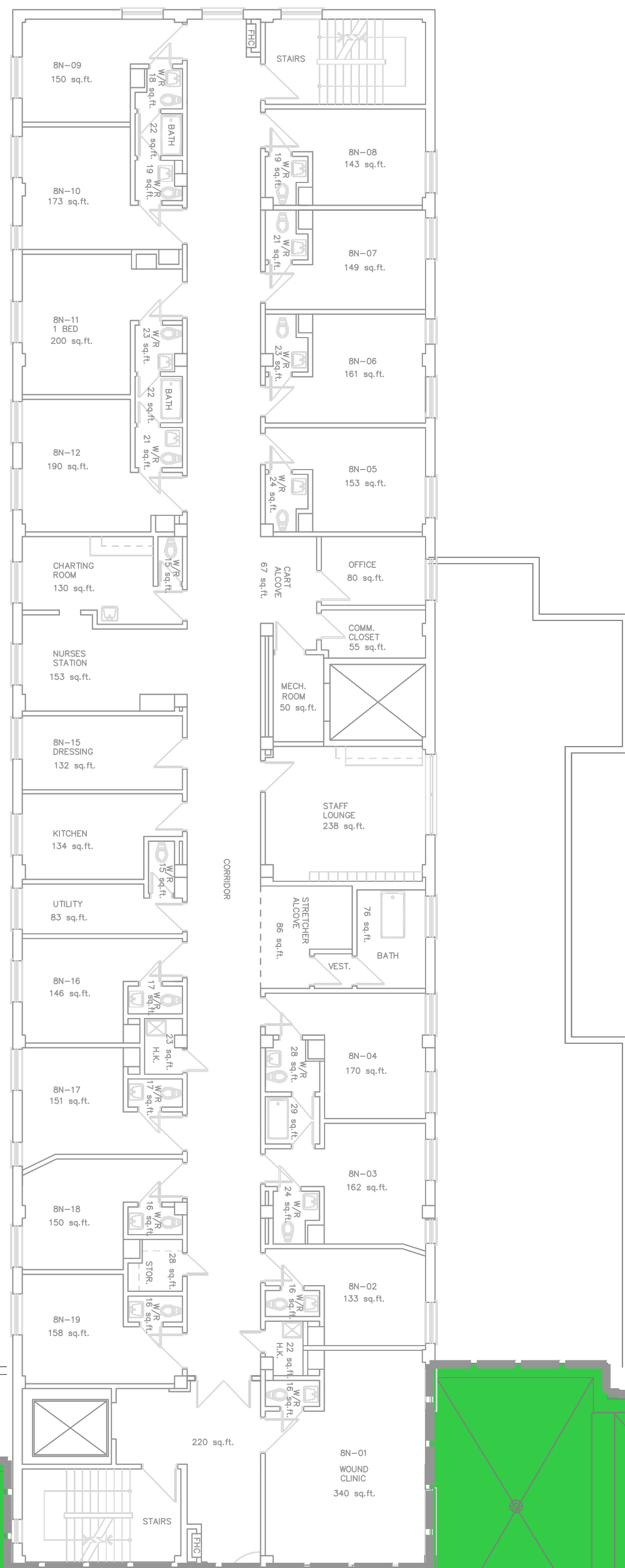
SHEET SIZE = ARCH D - 24" x 36" (MPEBML) = 610mm x 914mm (METER)

NORTH WING LEVEL 8

EAST WING LEVEL 8



KEY PLAN N.T.S.



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8	6/17/2015		UPDATED	RM
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LEGEND - FLOORS

- ACM VINYL FLOOR TILES
- ACM VINYL SHEET FLOORING
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 8
ACM ON FLOORS

PLOT DATE: NOVEMBER 2018
SCALE: N.T.S.
DRAWN BY: JORDAN BOULOS

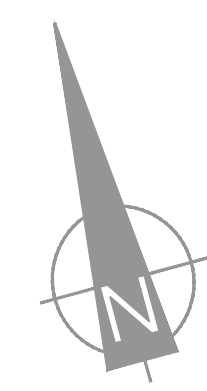
DEPARTMENT: HAZARDOUS MATERIALS
SUPERVISOR: MICHAEL MAIORANA
FILE #: 1406030 RA-09 Floor Level 8 FW and NW HIGH

DRAWING No. RA-09A

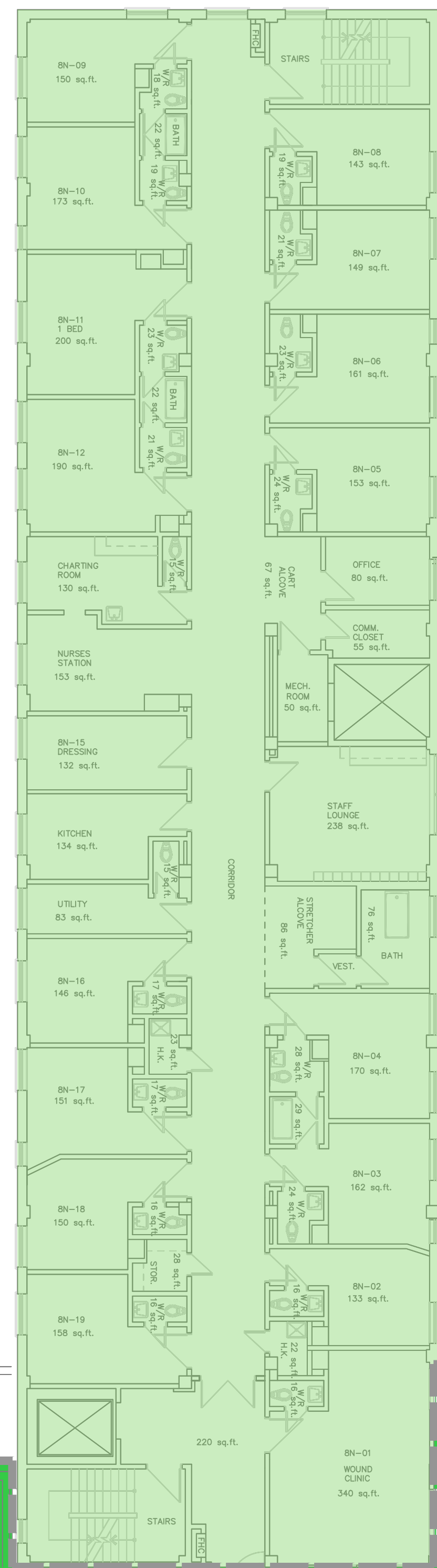
SHEET SIZE = ARCH D - 24" x 36" (MPEB4) = 610mm x 914mm (METER)

NORTH WING LEVEL 8

EAST WING LEVEL 8

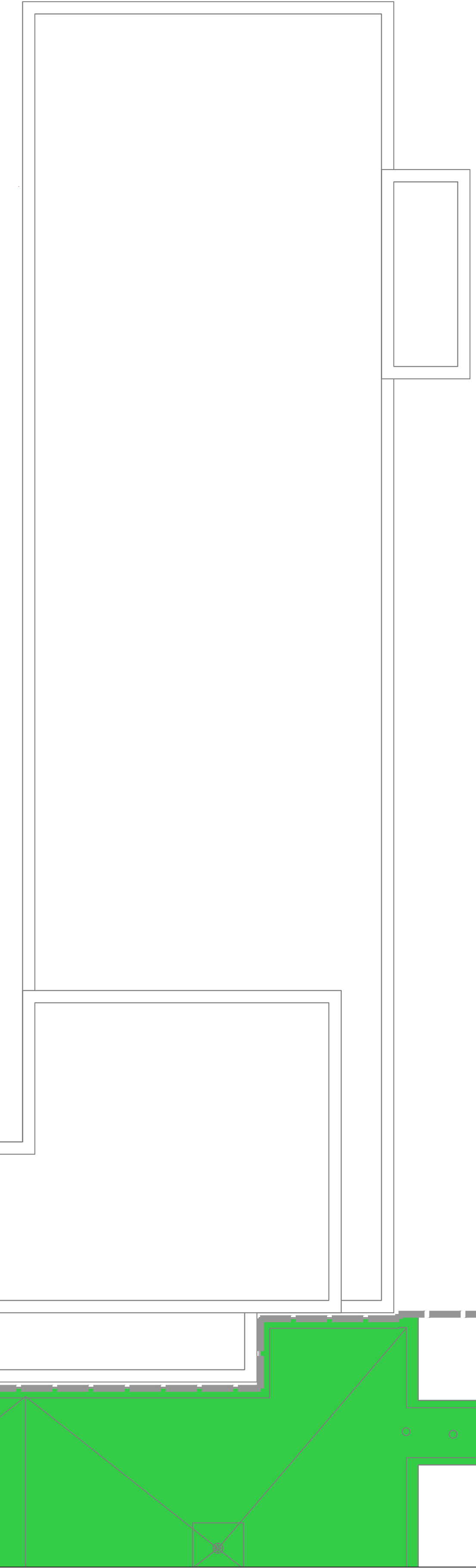


KEY PLAN N.T.S.



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- LEGEND - WALLS**
- ACM DRYWALL JOINT COMPOUND ON WALLS
 - ACM PLASTER ON WALLS
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 8 ACM ON WALLS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE NO: 030 RA-09 Floor Level 8 FW and NW HIGH

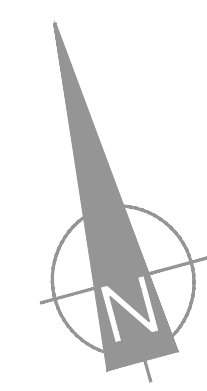
RA-09B

MAIN BUILDING - LEVEL 8

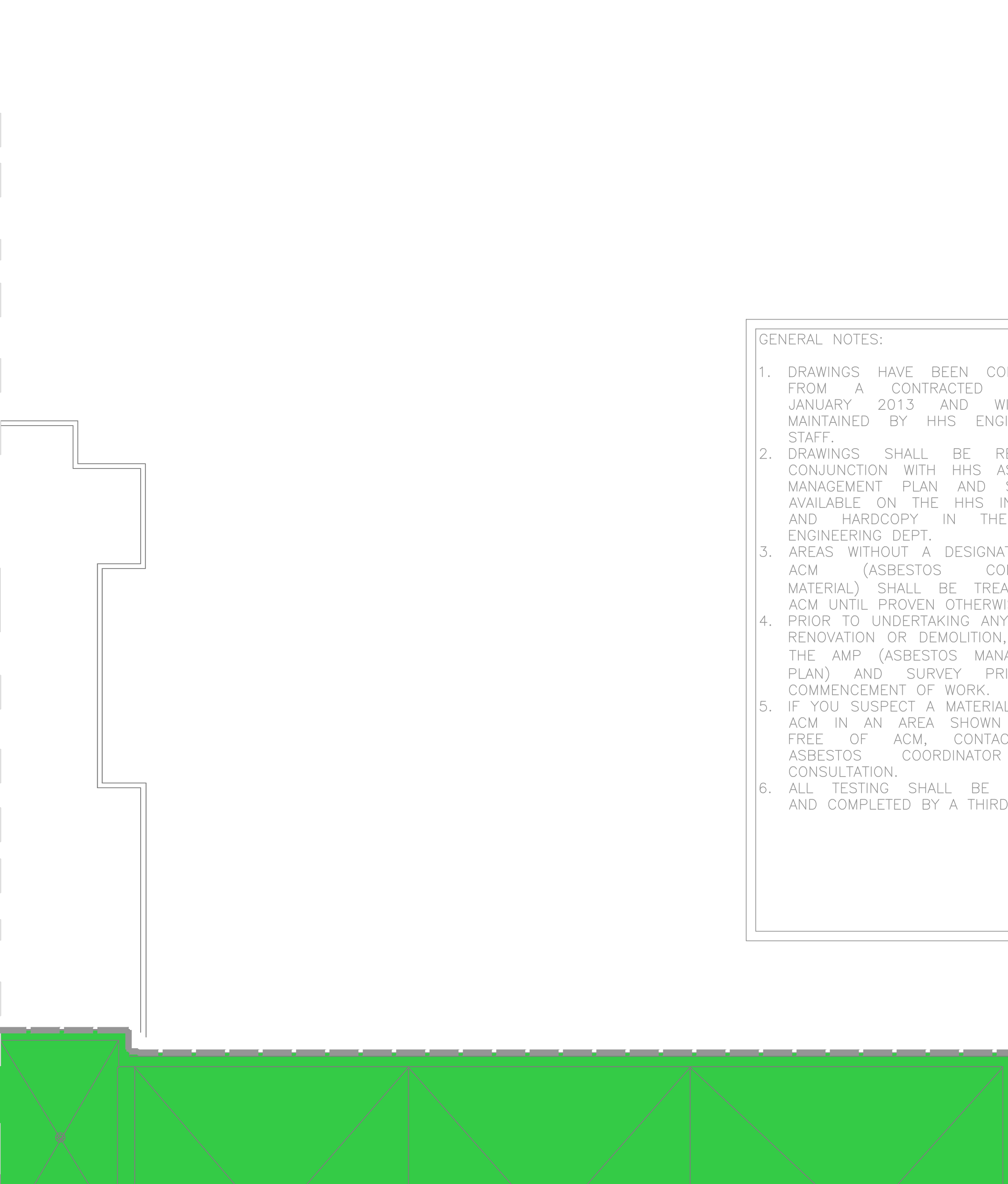
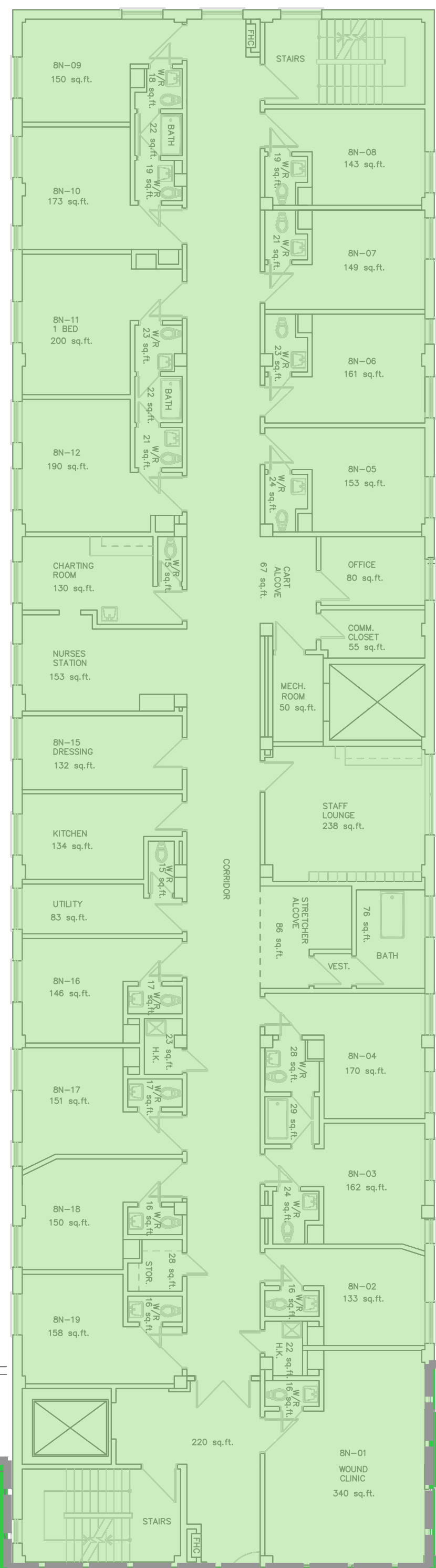
SHEET SIZE = ARCH D - 24" x 36" (MPEB4) = 610mm x 914mm (METER)

NORTH WING LEVEL 8

EAST WING LEVEL 8

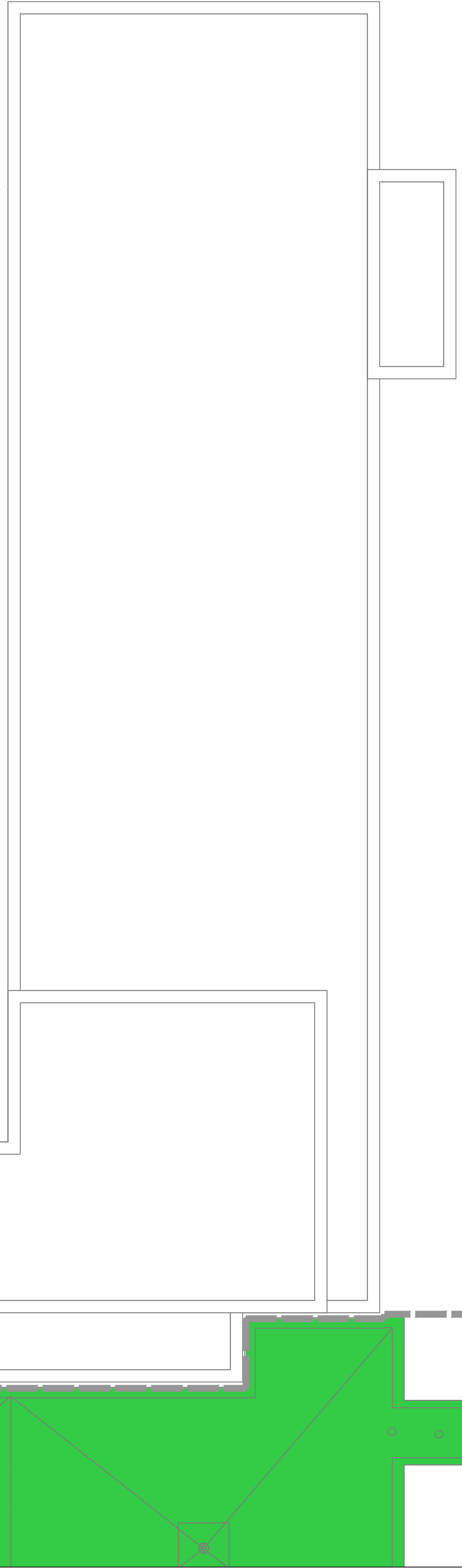


KEY PLAN N.T.S.



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LEGEND - CEILING

- ACM TEXTURE FINISH ABOVE DRYWALL CEILING
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

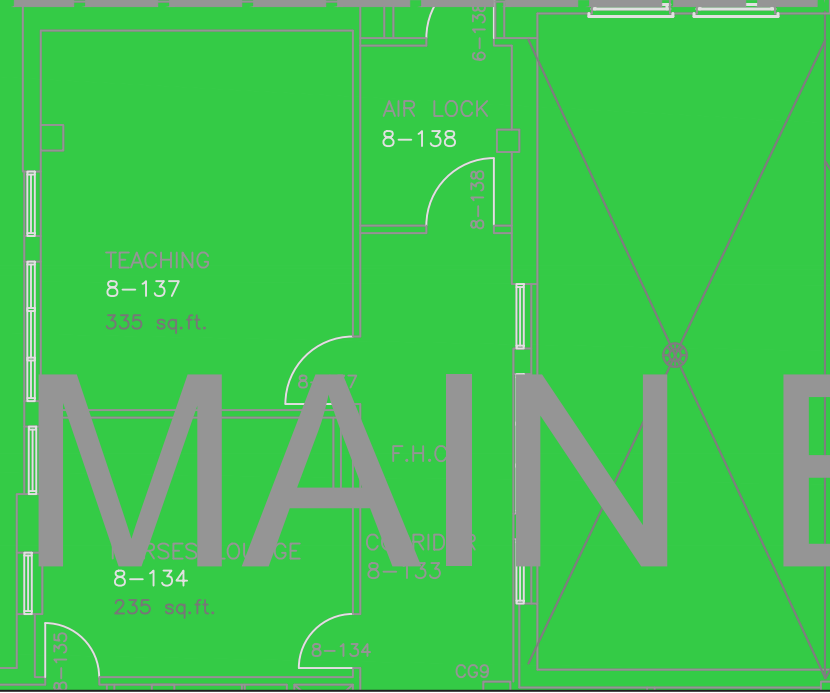
DRAWING:
EAST WING AND NORTH WING LEVEL 8
ACM ON CEILINGS

PLOT DATE: NOVEMBER 2018
SCALE: N.T.S.
DRAWN BY: JORDAN BOULOS

DEPARTMENT: HAZARDOUS MATERIALS
SUPERVISOR: MICHAEL MAIORANA
FILE NAME: 2018030 RA-09 Floor Level 8 FW and NW HIGH

RA-09C

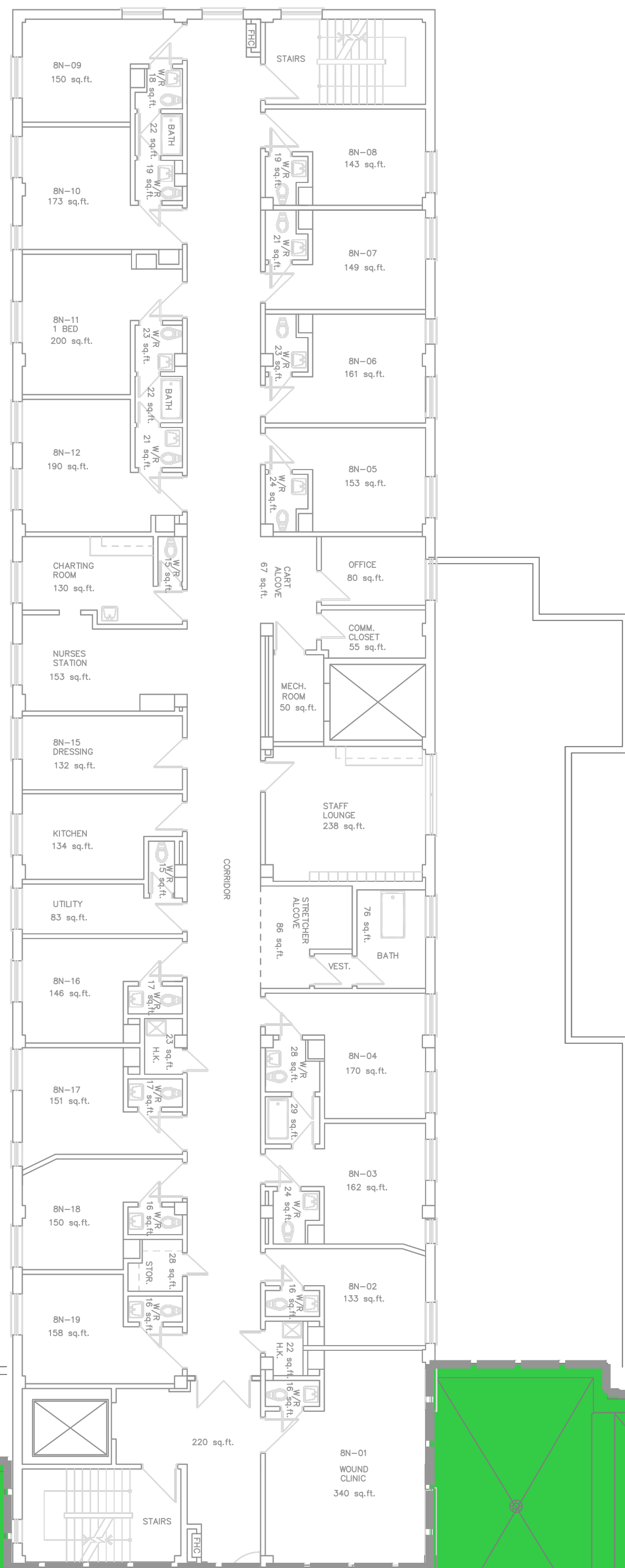
MAIN BUILDING - LEVEL 8



SHEET SIZE = ARCH D - 24" x 36" (MPEBML) - 610mm x 914mm (METER)

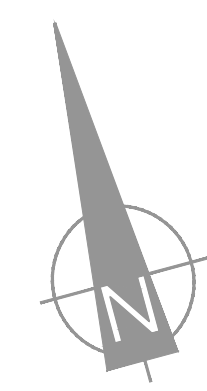
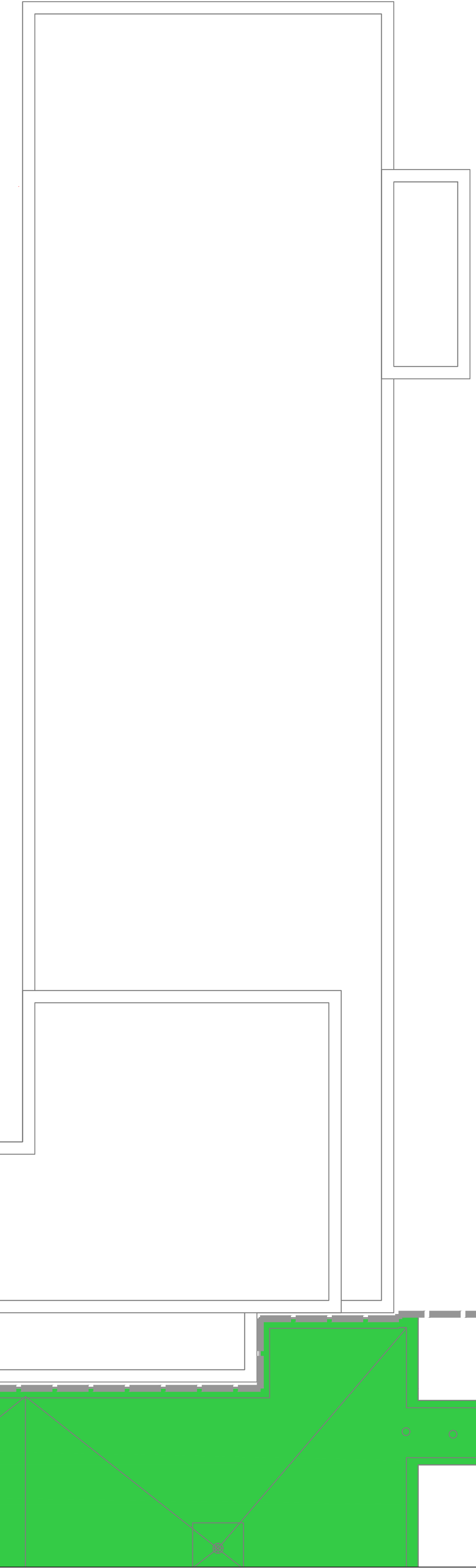
NORTH WING LEVEL 8

EAST WING LEVEL 8



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KEY PLAN N.T.S.

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10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

- LEGEND - OTHER**
- PI ACM PIPE INSULATION
 - DI ACM DUCT INSULATION
 - MI ACM MECHANICAL INSULATION
 - T1 TYPE 2 ENTRY
 - T2 TYPE 2 ENTRY
 - T3 TYPE 2 ENTRY
 - TF ACM TEXTURE FINISH
 - FS ACM FIRESTOPPING
 - T TRANSITE
 - NAR NO ACCESS TO ROOM/AREA
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 8 OTHER ACM

PLOT DATE: NOVEMBER 2018 **DEPARTMENT:** HAZARDOUS MATERIALS

SCALE: N.T.S. **SUPERVISOR:** MICHAEL MAIORANA

DRAWN BY: JORDAN BOULOS **FILE NAME:** 2018030 RA-09 Floor Level 8 FW and NW HIGH

DRAWING No.:

RA-09D

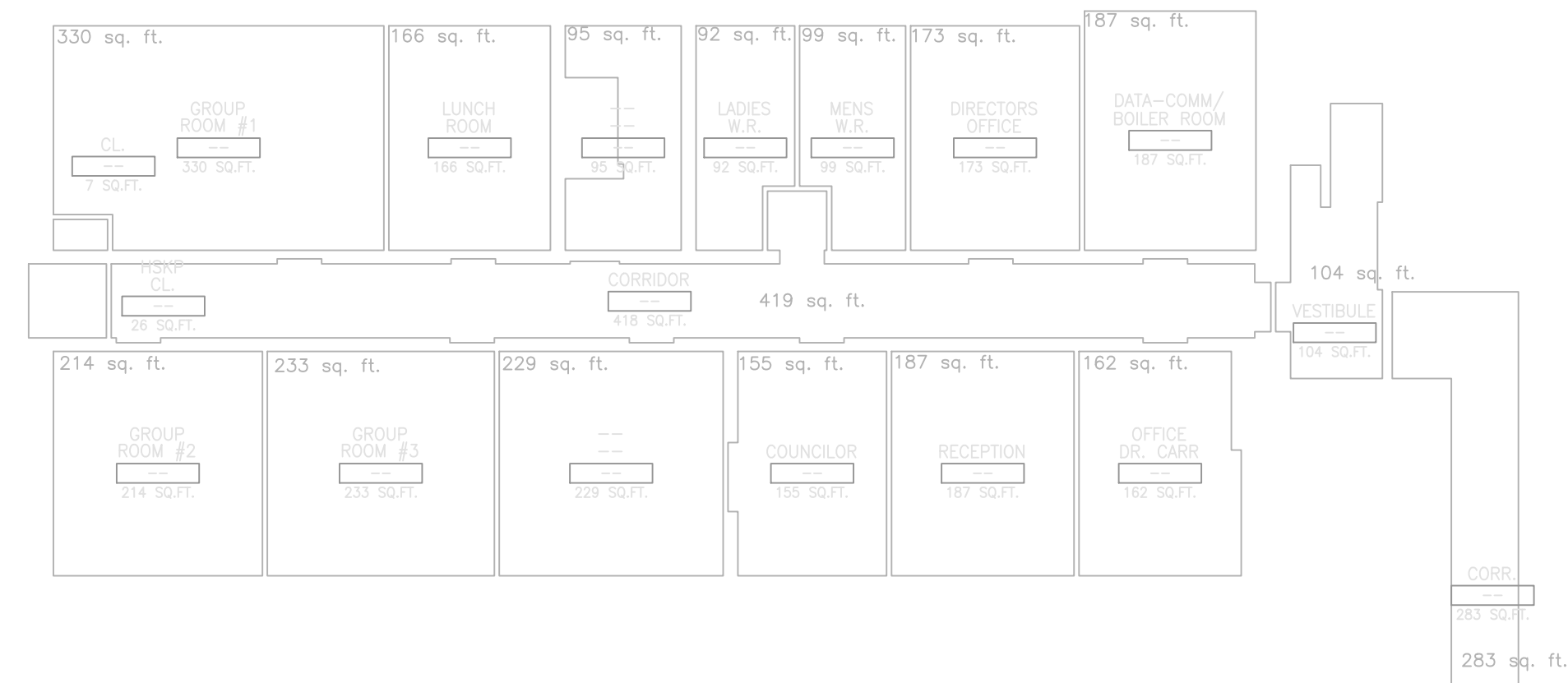
MAIN BUILDING - LEVEL 8

SHEET SIZE = ARCH D - 24" x 36" (MPEB4) - 610mm x 914mm (METER)

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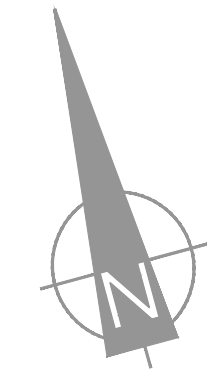
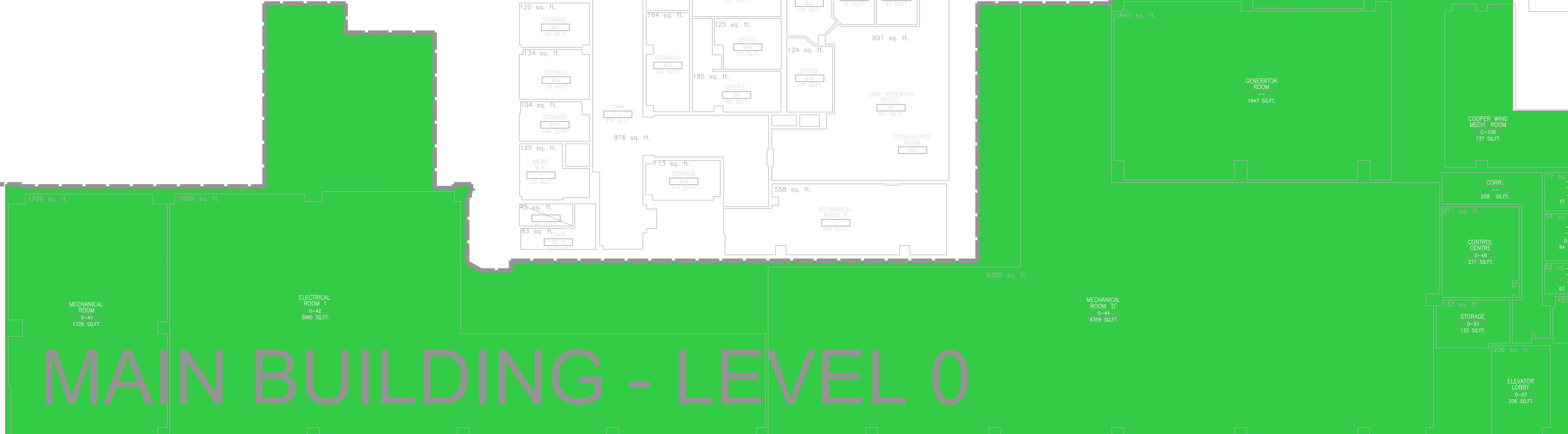
INTERN'S RESIDENCE LEVEL 0



McMASTER WING LEVEL 0



MAIN BUILDING - LEVEL 0



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

- LEGEND - FLOORS
- ACM VINYL FLOOR TILES
 - ACM VINYL SHEET FLOORING
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: McMASTER AND INTERN'S RES LEVEL 0 ACM ON FLOORS

PLOT DATE: NOVEMBER 2018
SCALE: N.T.S.
DRAWN BY: JORDAN BOULOS
DEPARTMENT: HAZARDOUS MATERIALS
SUPERVISOR: MICHAEL MAIORANA
FILE NAME: 030 RA-10 Floor Level
DRAWING No. 0 GH

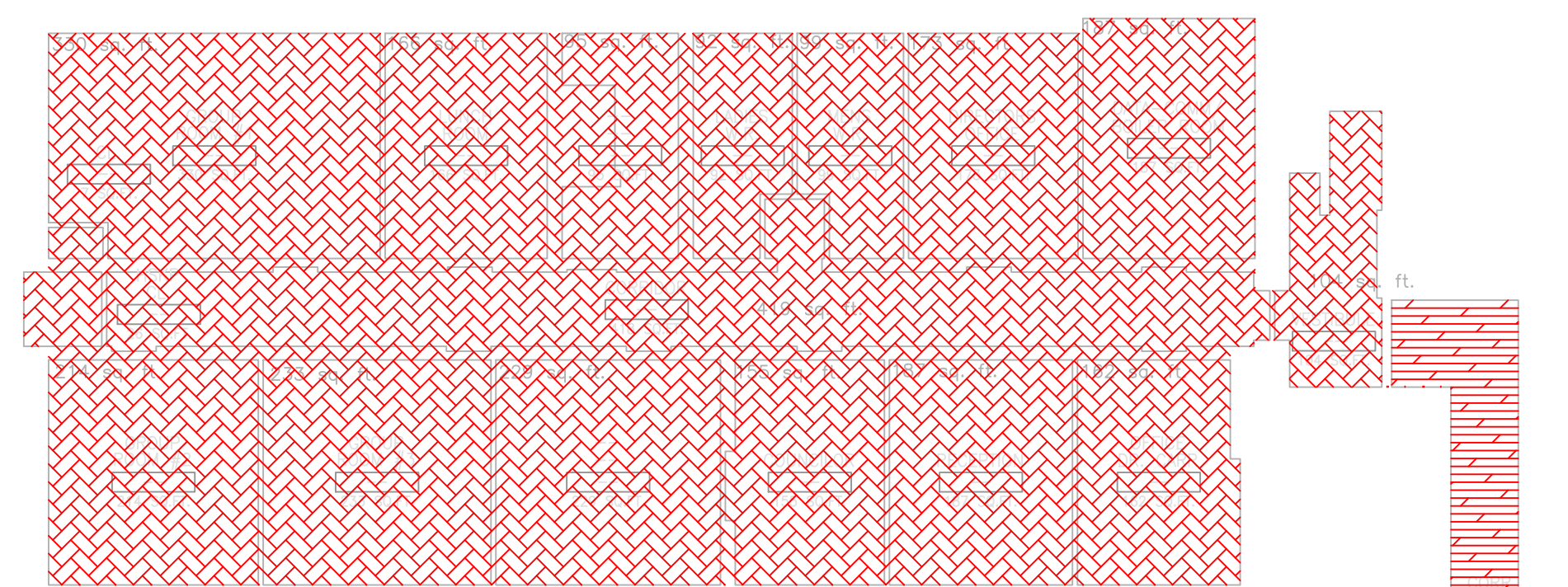
RA-10A

SHEET SIZE = ARCH D - 24" x 36" (NPER84) - 610mm x 914mm (NPER84)

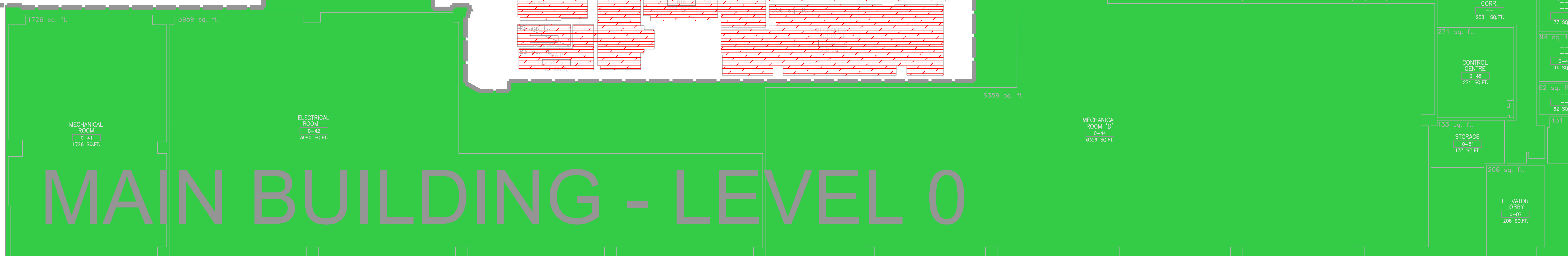
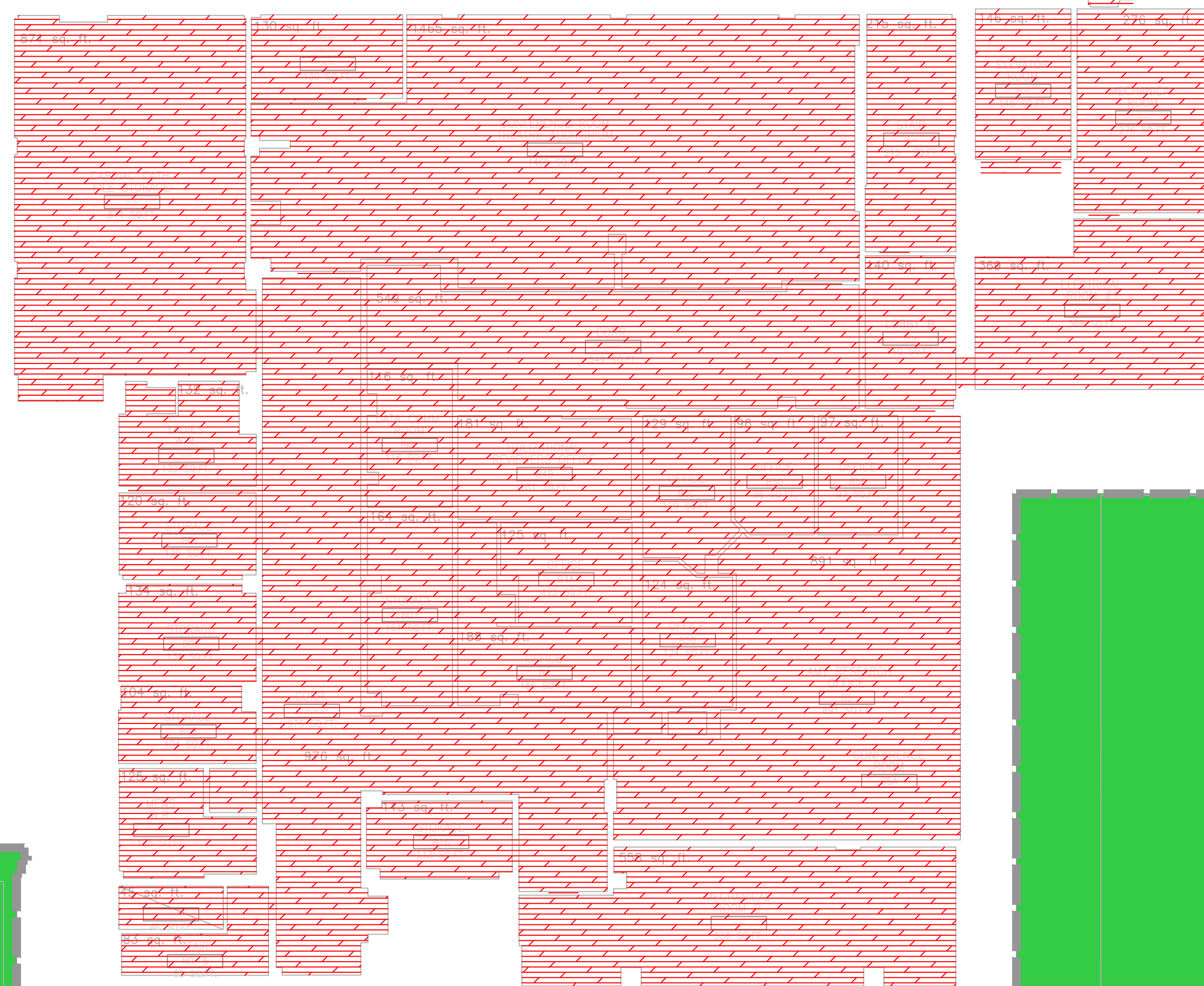
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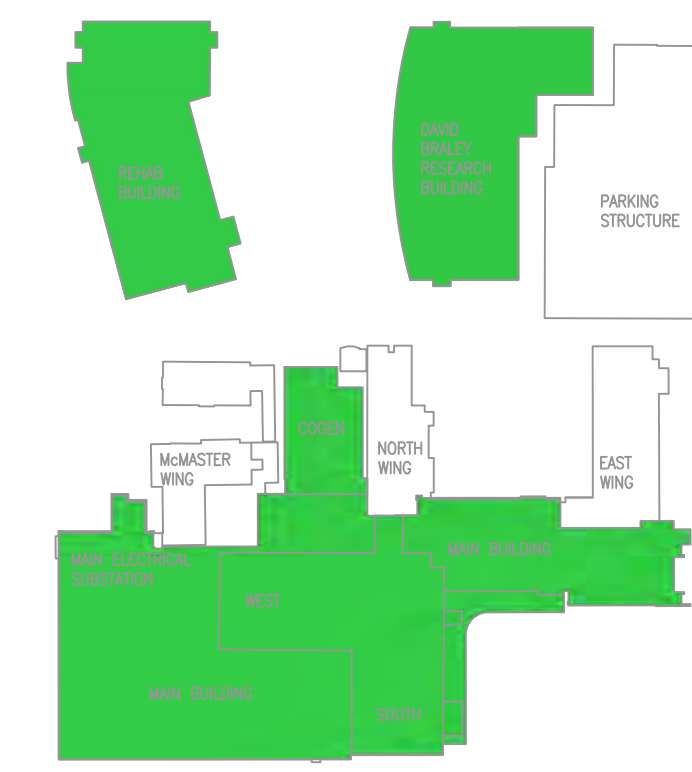
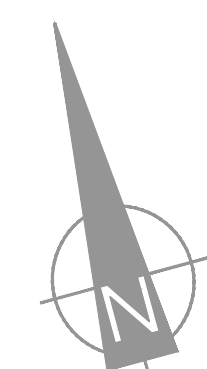
INTERN'S RESIDENCE LEVEL 0



McMASTER WING LEVEL 0



MAIN BUILDING - LEVEL 0



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
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7	7/1/2013		UPDATED	GS
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11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

- LEGEND - WALLS**
- ACM DRYWALL JOINT COMPOUND ON WALLS
 - ACM PLASTER ON WALLS
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: MCMMASTER AND INTERN'S RES LEVEL 0 ACM ON WALLS

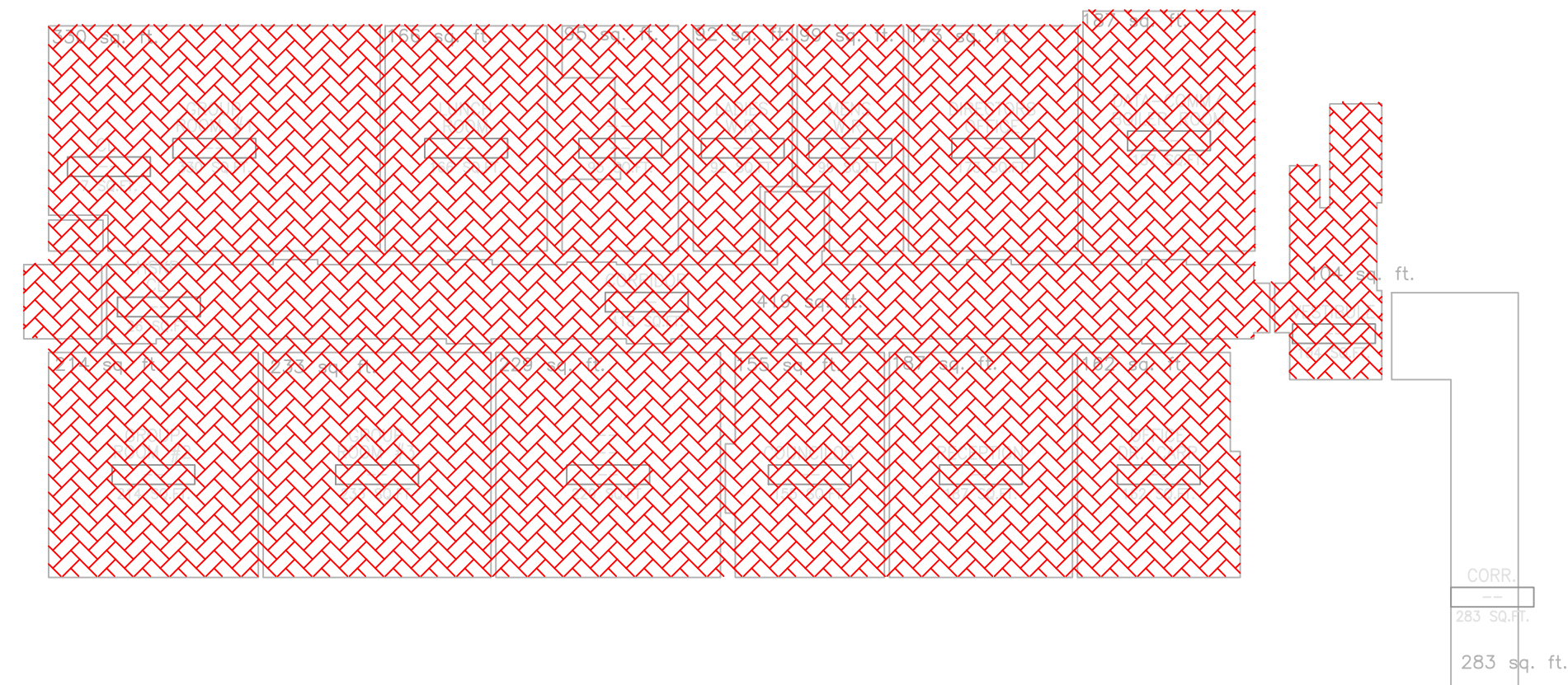
PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
 SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
 DRAWN BY: JORDAN BOULOS FILE NAME: 030 RA-10 Floor Level
 DRAWING No. 0 HGH

RA-10B

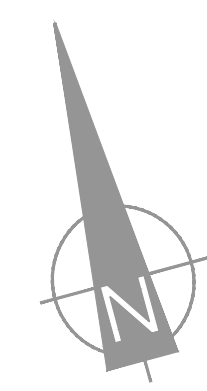
SHEET SIZE = ARCH D - 24" x 36" (MPEB4) - 610mm x 914mm (METRIC)

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INTERN'S RESIDENCE LEVEL 0



McMASTER WING LEVEL 0



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
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- LEGEND - CEILING**
- ACM CEILING TILES
 - ACM DRYWALL JOINT COMPOUND ON CEILING
 - ACM PLASTER ON CEILINGS
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: MCMASTER AND INTERN'S RES LEVEL 0 ACM ON CEILINGS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS

SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA

DRAWN BY: JORDAN BOULOS FILE NAME: 030 RA-10 Floor Level

DRAWING No. 0 GH

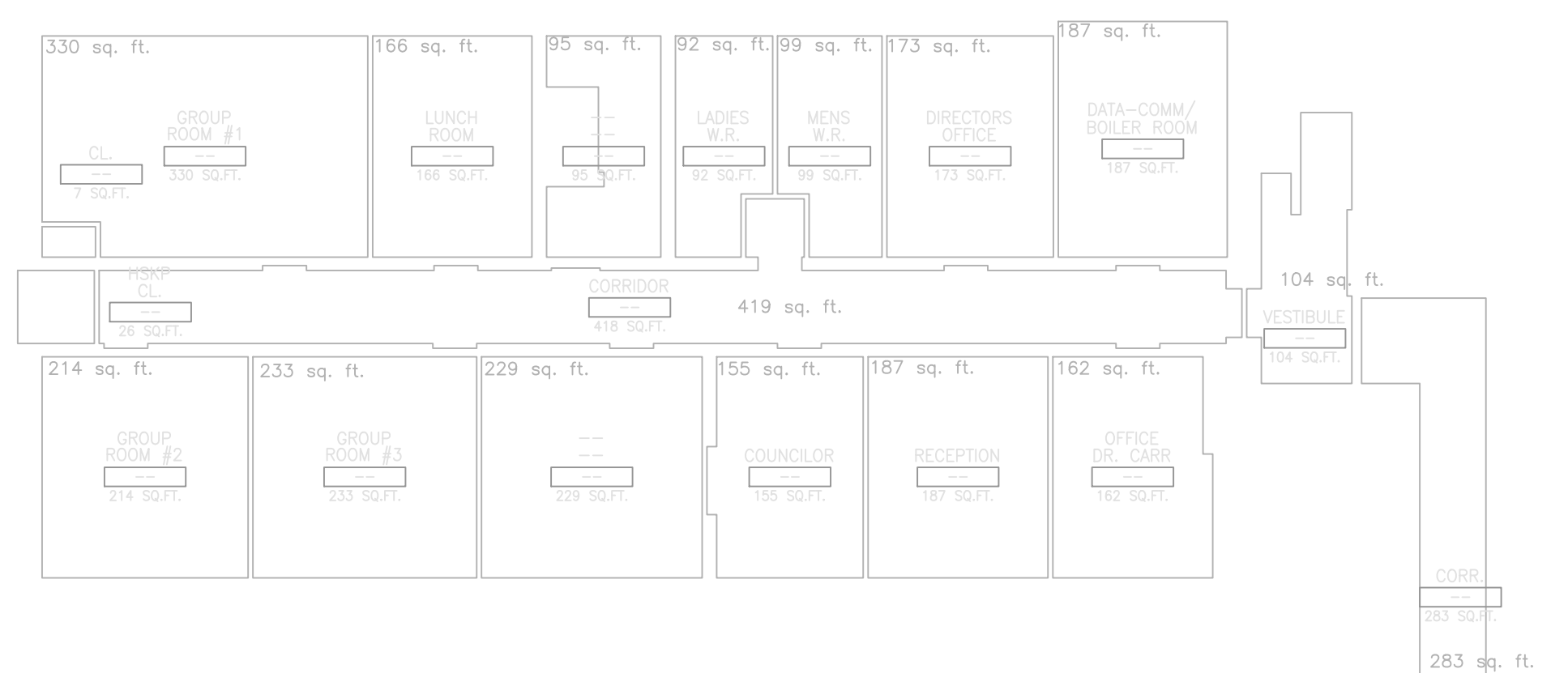
RA-10C

SHEET SIZE = ARCH D - 24" x 36" (MPERBL) - 610mm x 914mm (METRIC)

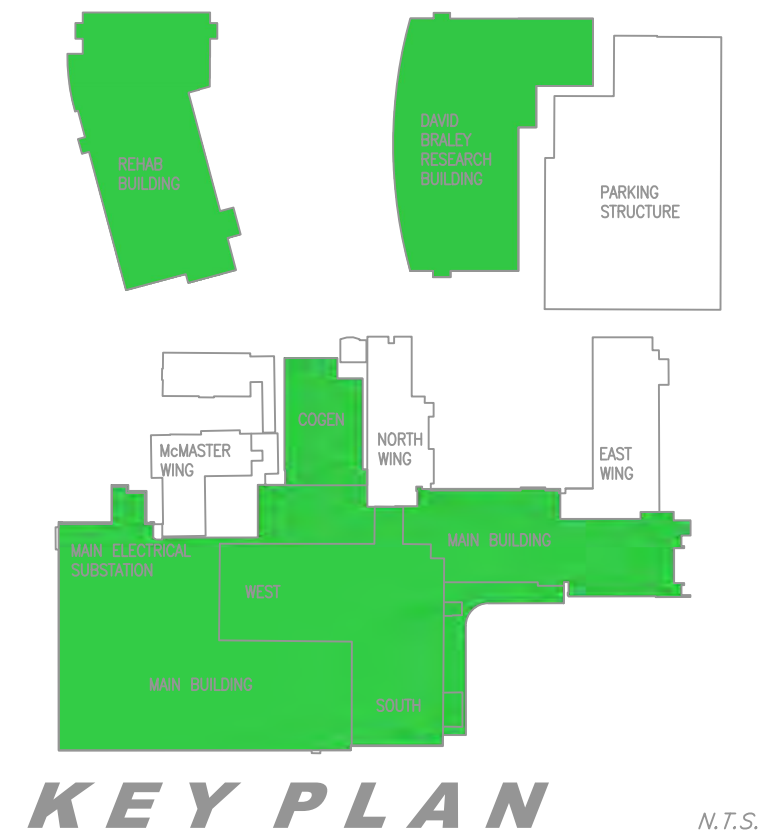
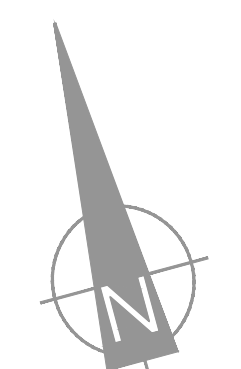
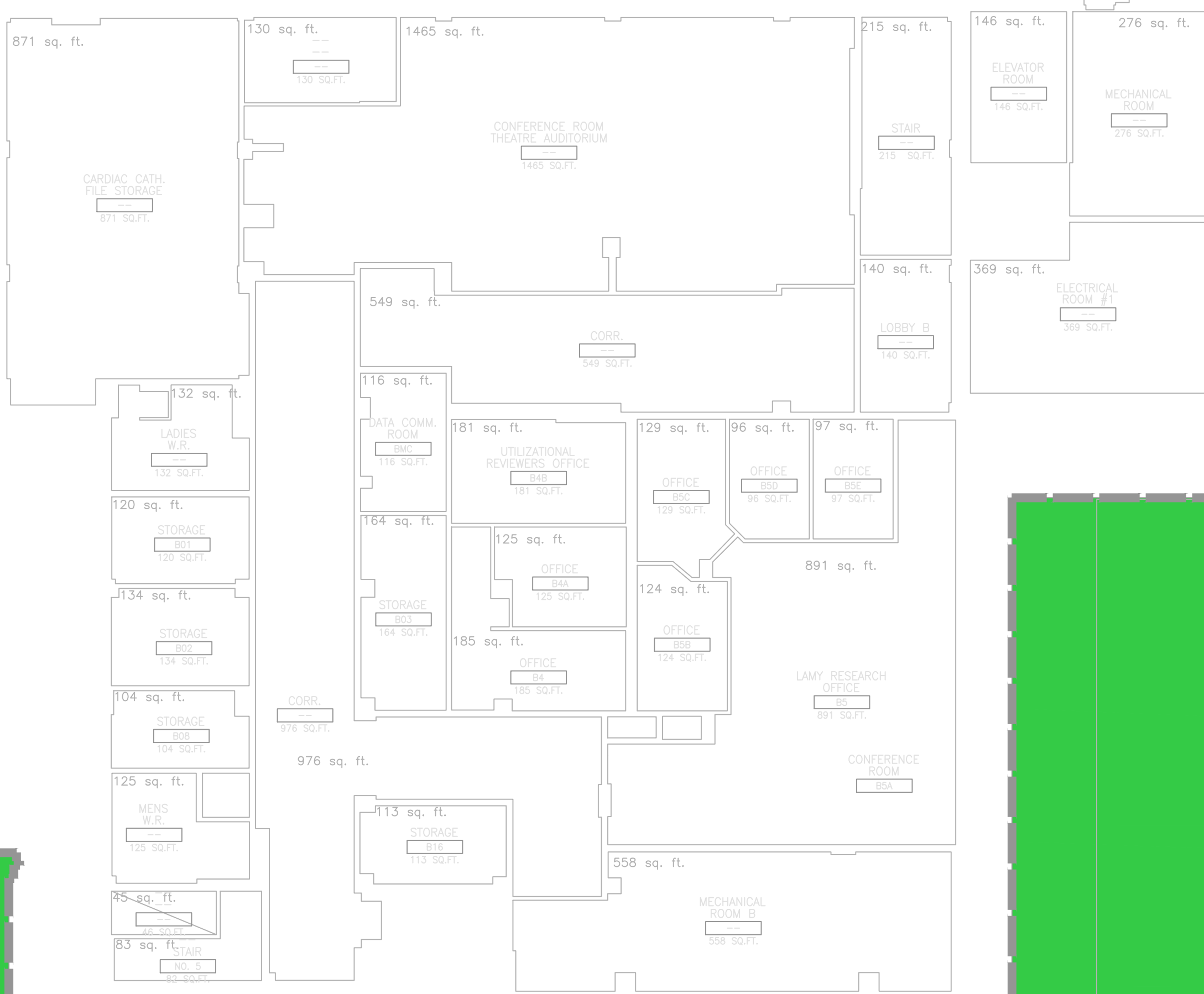
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INTERN'S RESIDENCE LEVEL 0



McMASTER WING LEVEL 0



NO.	DATE	M/D/Y	REVISIONS	BY
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LEGEND - OTHER

- PI ACM PIPE INSULATION
- DI ACM DUCT INSULATION
- MI ACM MECHANICAL INSULATION
- T1 TYPE 1 ENTRY
- T2 TYPE 2 ENTRY
- T3 TYPE 3 ENTRY
- TF ACM TEXTURE FINISH
- FS ACM FIRESTOPPING
- T TRANSITE
- NAR NO ACCESS TO ROOM/AREA

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL -
237 BARTON ST. EAST, ASBESTOS
MANAGEMENT PLAN AND SURVEY

DRAWING:
MCMASTER AND INTERN'S RES
LEVEL 0
ACM ON CEILINGS

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NO: 030 RA-10 Floor Level
DRAWING No.:	0-07

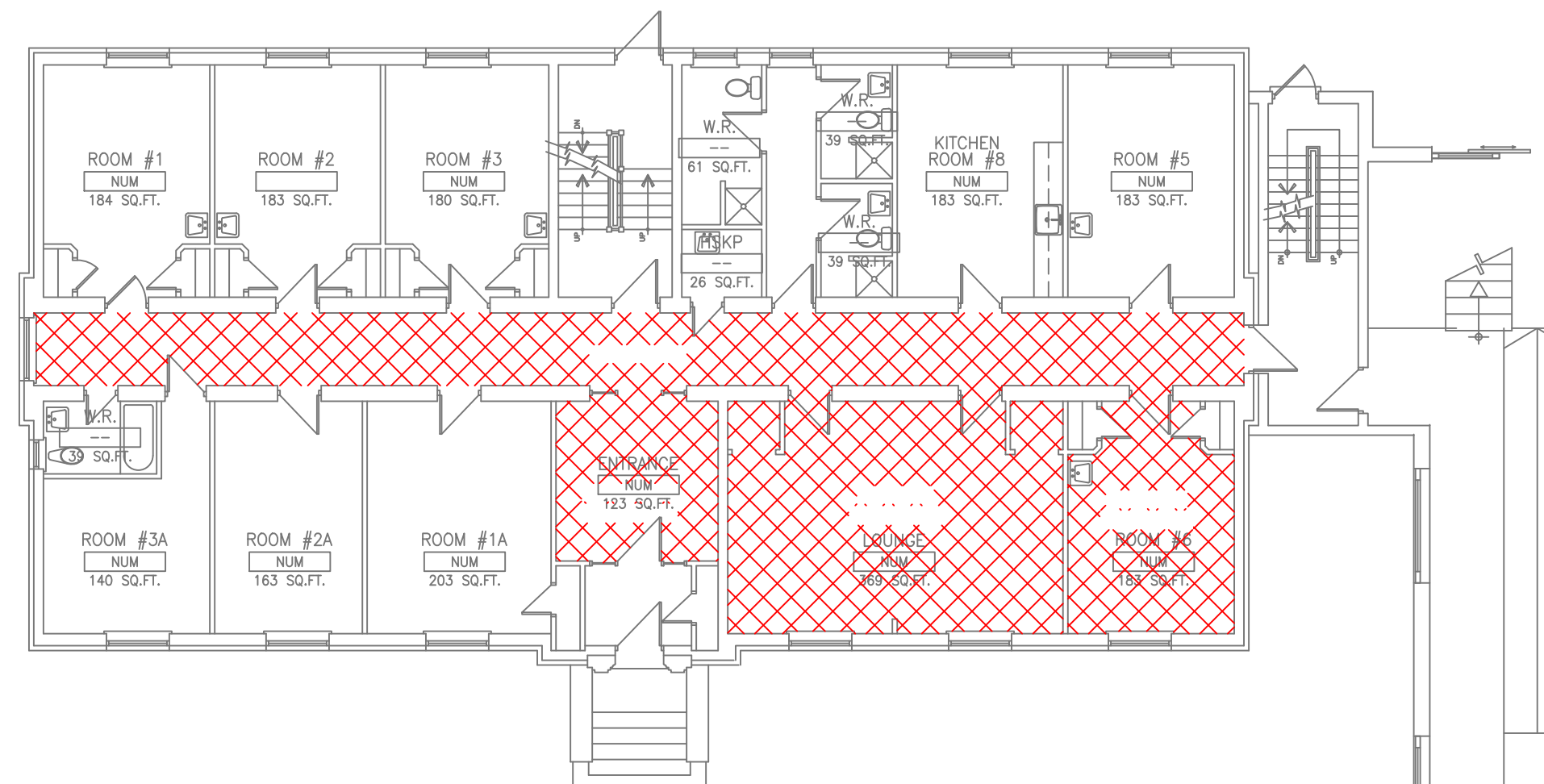
RA-10D

MAIN BUILDING - LEVEL 0

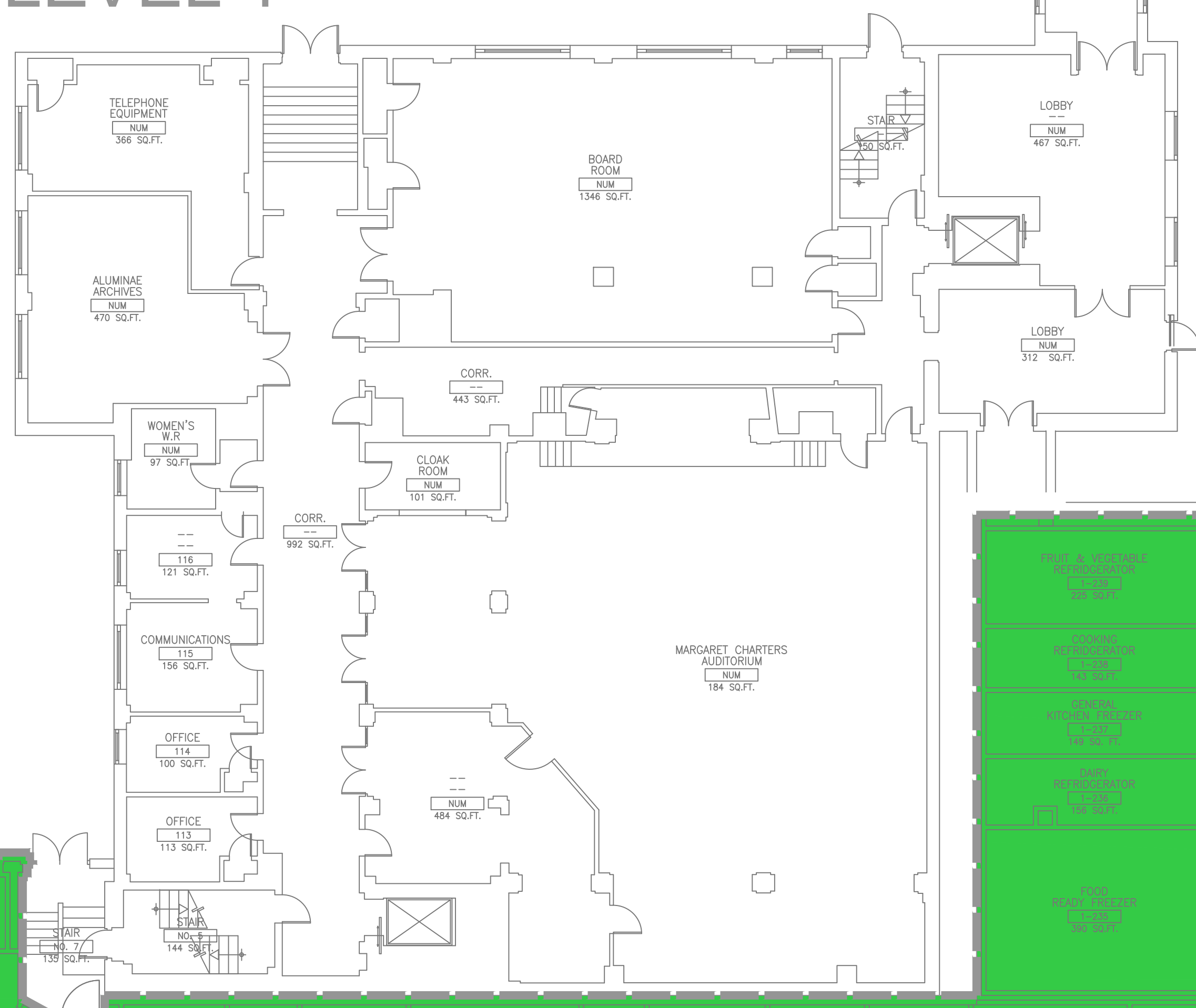
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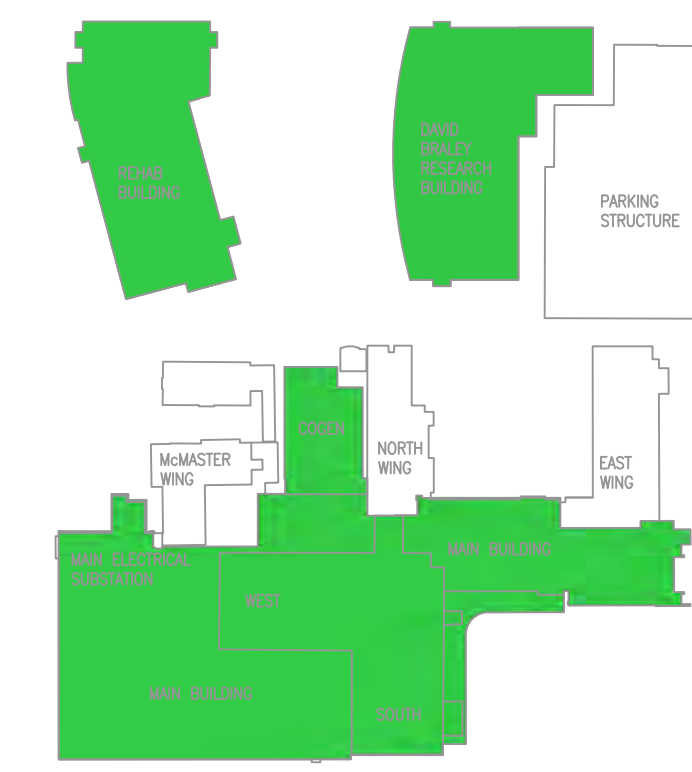
INTERN'S RESIDENCE LEVEL 1



McMASTER WING LEVEL 1



MAIN BUILDING - LEVEL 1



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
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2	2/1/2013		COMPLETE DRAWING UPDATED	GS
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4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
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10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - FLOORS

- ACM VINYL FLOOR TILES
- ACM VINYL SHEET FLOORING
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
MCMMASTER AND INTERN'S RES LEVEL 1 ACM ON FLOORS

PLOT DATE: NOVEMBER 2018
DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.
SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS
FILE # 16030 RA-11 Floor Level
1 MM and NR HIGH

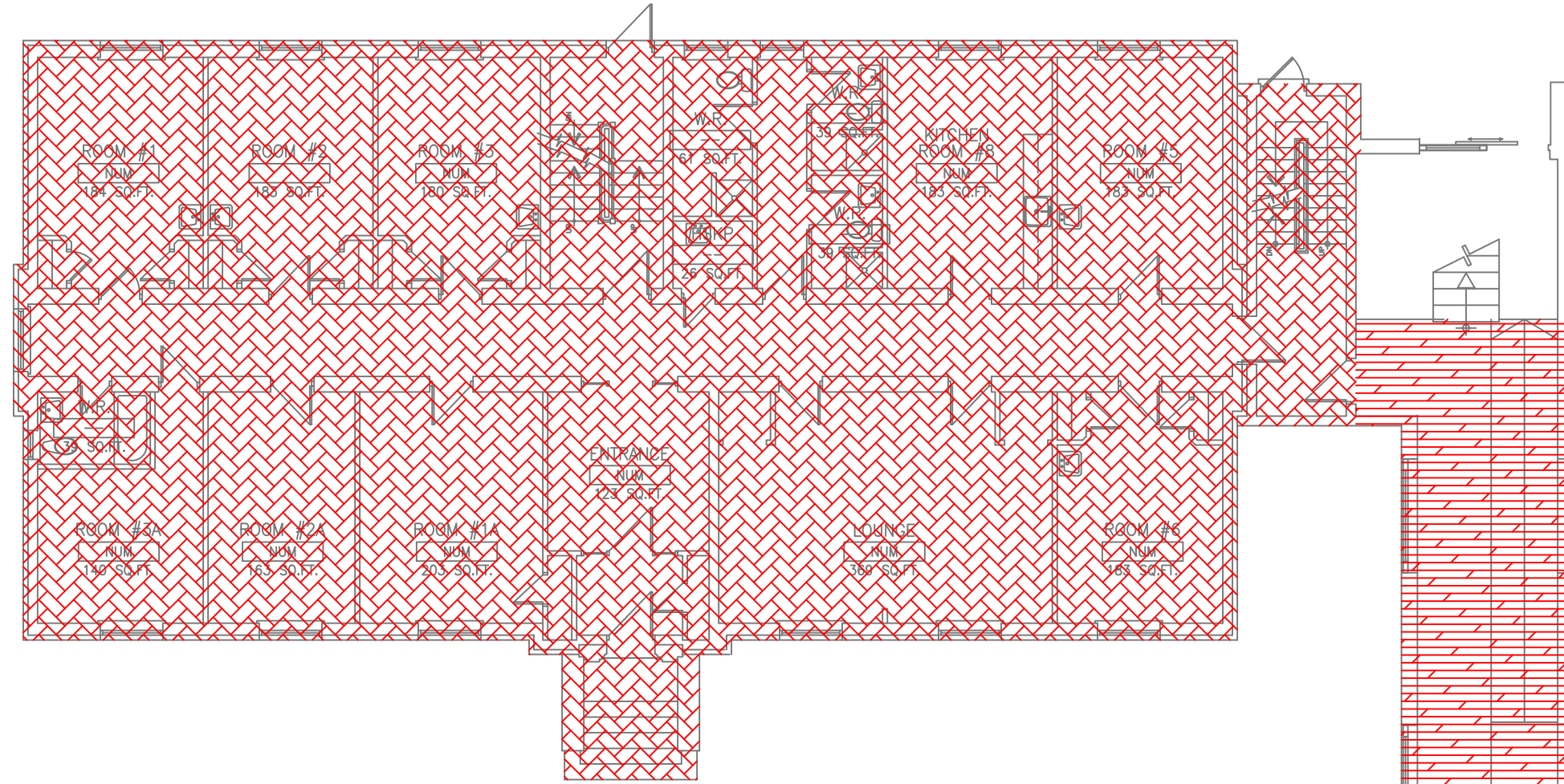
RA-11A

SHEET SIZE = ARCH 'D' - 24" x 36" (MPEB4) - 610mm x 914mm (METER)

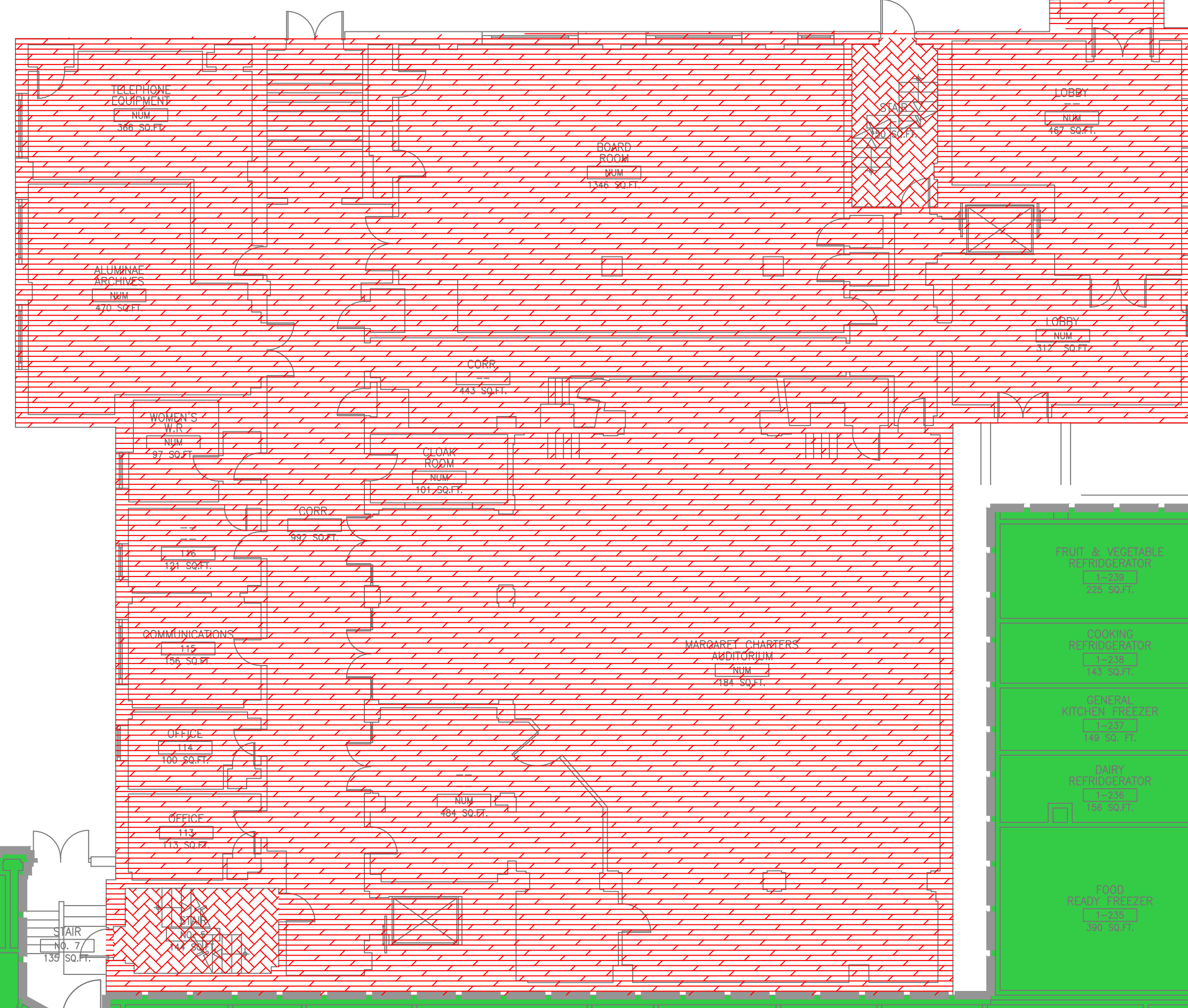
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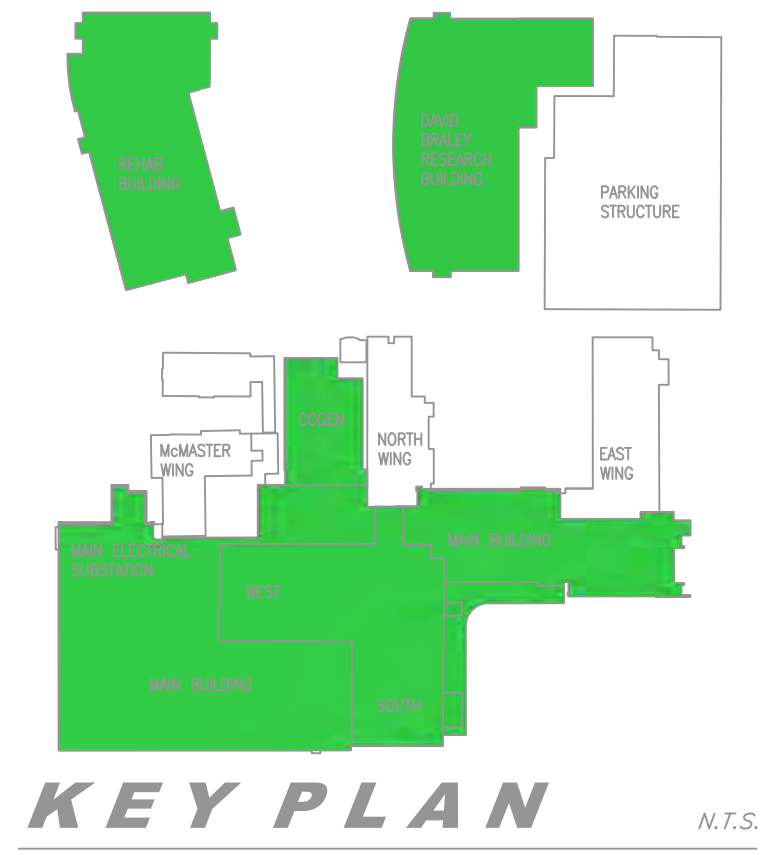
INTERN'S RESIDENCE LEVEL 1



McMASTER WING LEVEL 1



MAIN BUILDING - LEVEL 1



KEY PLAN N.T.S.

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9	3/31/2016	UPDATED by ECOH	MM
10	6/15/2017	UPDATED by ECOH	JK
11	11/1/2018	UPDATED by PINCHIN LIMITED	JB

LEGEND - WALLS

- ACM DRYWALL JOINT COMPOUND ON WALLS
- ACM PLASTER ON WALLS
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: MCMMASTER AND INTERN'S RES LEVEL 1 ACM ON WALLS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS

SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA

DRAWN BY: JORDAN BOULOS FILE # 2018030 RA-11 Floor Level

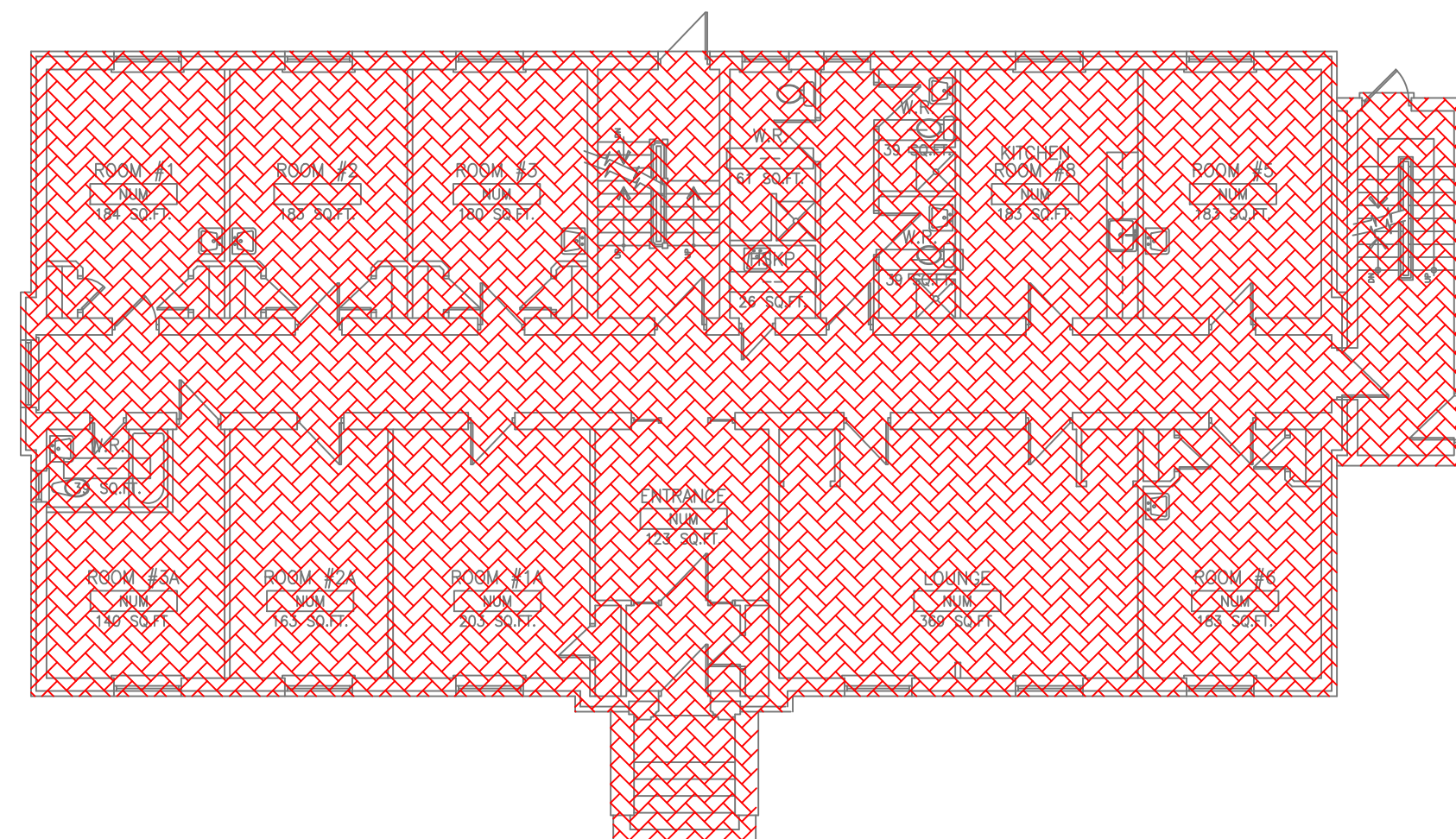
DRAWING No. 1 MM and NR HIGH

RA-11B

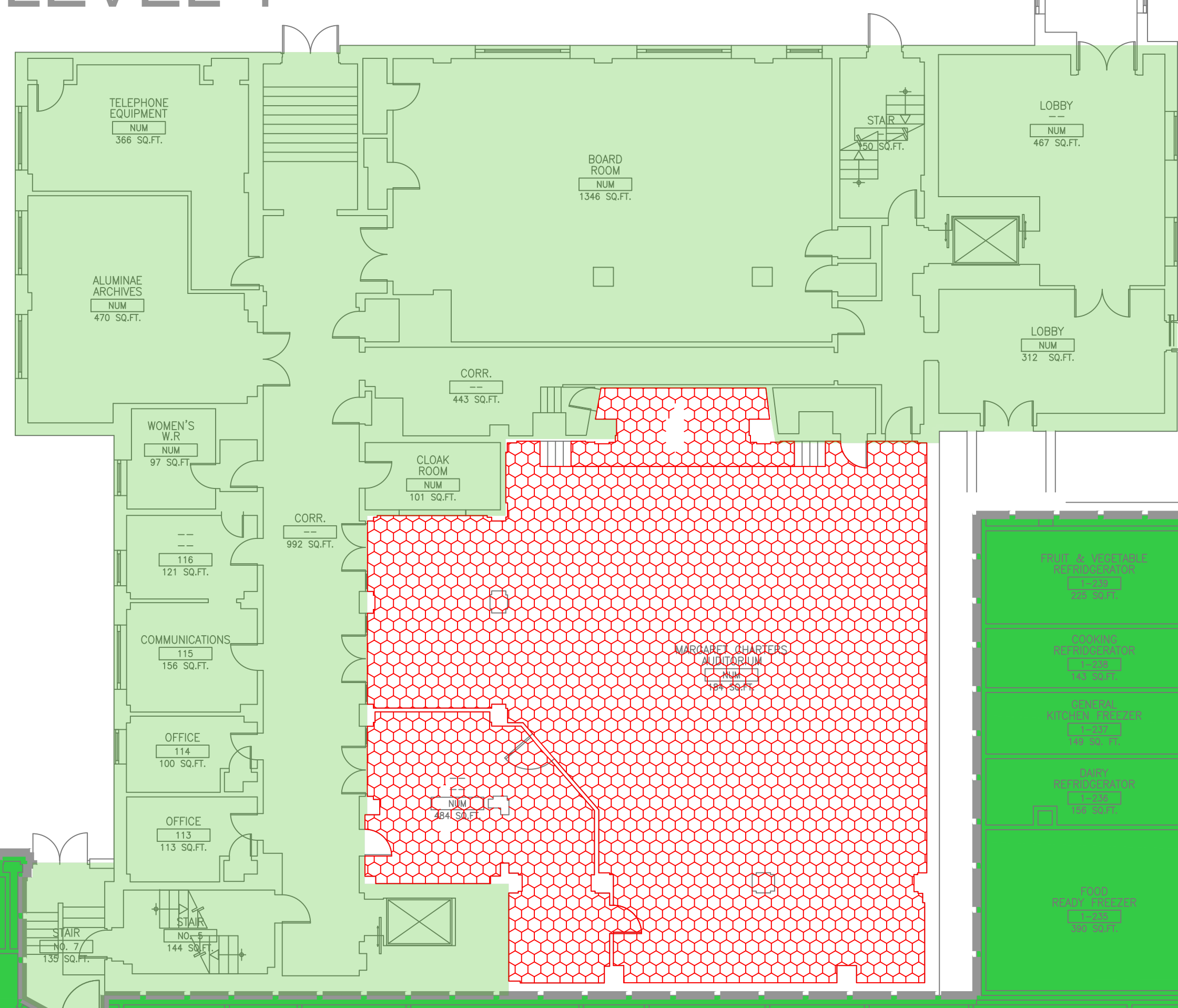
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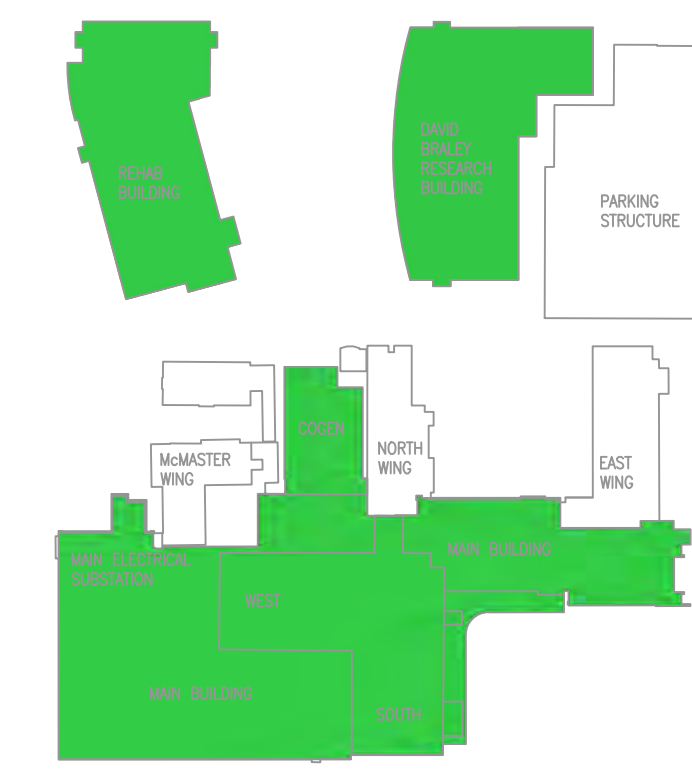
INTERN'S RESIDENCE LEVEL 1



McMASTER WING LEVEL 1



MAIN BUILDING - LEVEL 1



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
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- LEGEND - CEILING
- ACM CEILING TILES
 - ACM DRYWALL JOINT COMPOUND ON CEILING
 - ACM PLASTER ON CEILINGS
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: MCMMASTER AND INTERNS RES LEVEL 1 ACM ON CEILINGS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
 SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
 DRAWN BY: JORDAN BOULOS FILE # 2018030 RA-11 Floor Level
 DRAWING No. 1 MM and NR HIGH

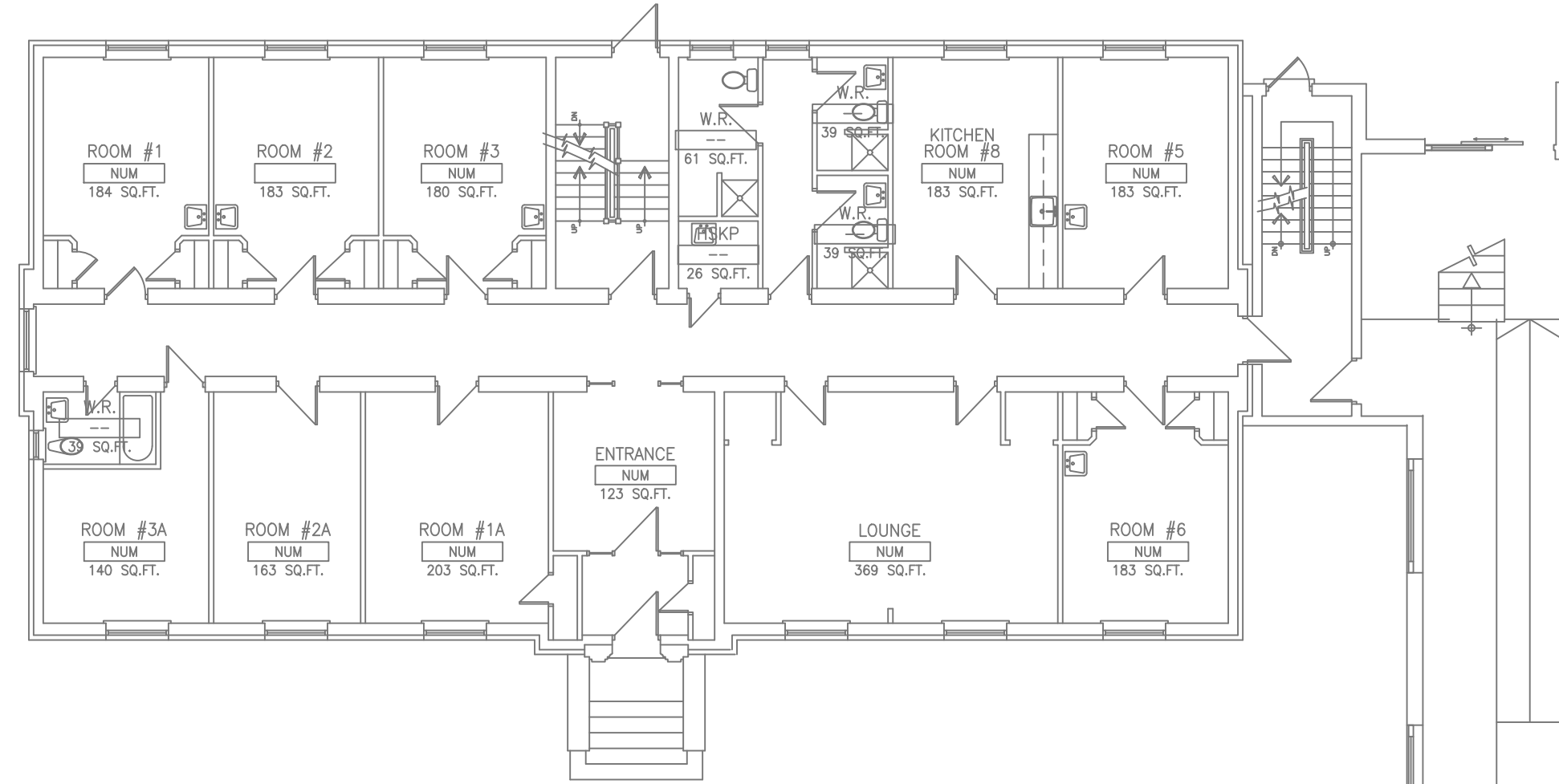
RA-11C

SHEET SIZE = ARCH D - 24" x 36" (MPEB4) - 610mm x 914mm (METER)

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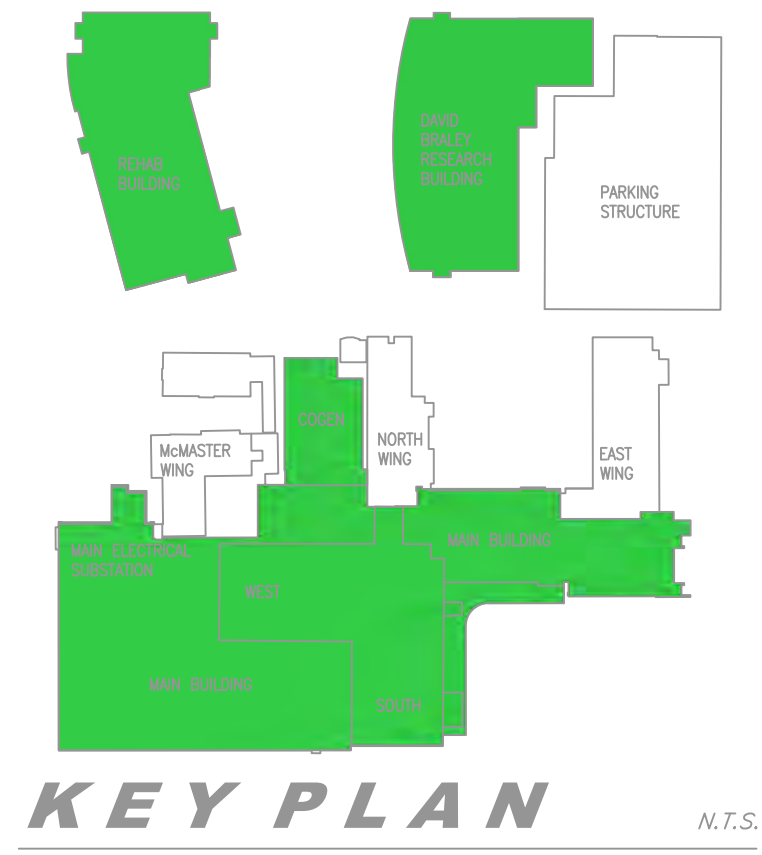
INTERN'S RESIDENCE LEVEL 1



McMASTER WING LEVEL 1



MAIN BUILDING - LEVEL 1



NO.	DATE	M/D/Y	REVISIONS	BY
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LEGEND - OTHER

PI	ACM PIPE INSULATION
DI	ACM DUCT INSULATION
MI	ACM MECHANICAL INSULATION
T1	TYPE 1 ENTRY
T2	TYPE 2 ENTRY
T3	TYPE 3 ENTRY
TF	ACM TEXTURE FINISH
FS	ACM FIRESTOPPING
T	TRANSITE
NAR	NO ACCESS TO ROOM/AREA

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:	HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY
DRAWING:	MCMASTER AND INTERN'S RES LEVEL 1 OTHER ACM
PLOT DATE:	NOVEMBER 2018
DEPARTMENT:	HAZARDOUS MATERIALS
SCALE:	N.T.S.
SUPERVISOR:	MICHAEL MAIORANA
DRAWN BY:	JORDAN BOULOS
FILE #:	2018030 RA-11 Floor Level
DRAWING No.:	1 MM and NR HIGH

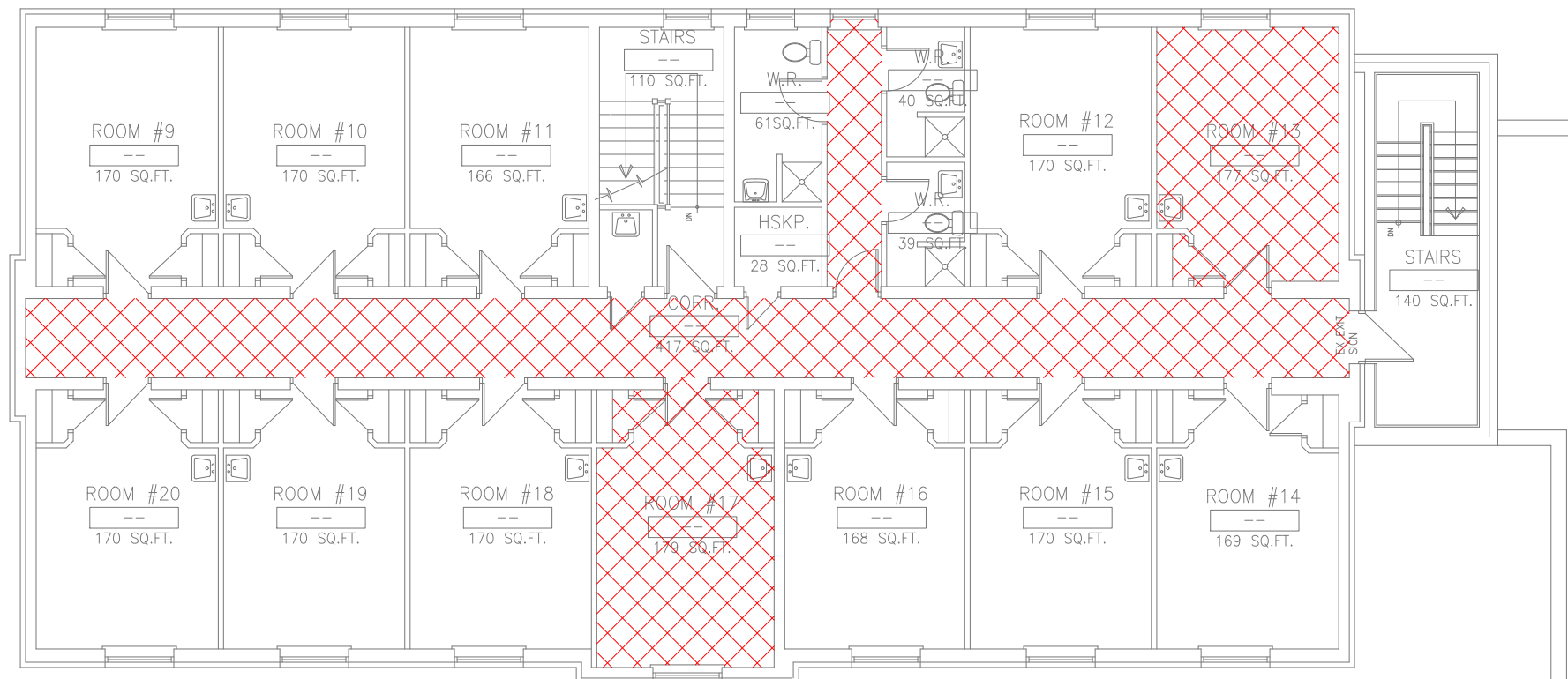
RA-11D

SHEET SIZE = ARCH 'D' - 24" x 36" (MPERBL) - 610mm x 914mm (METRIC)

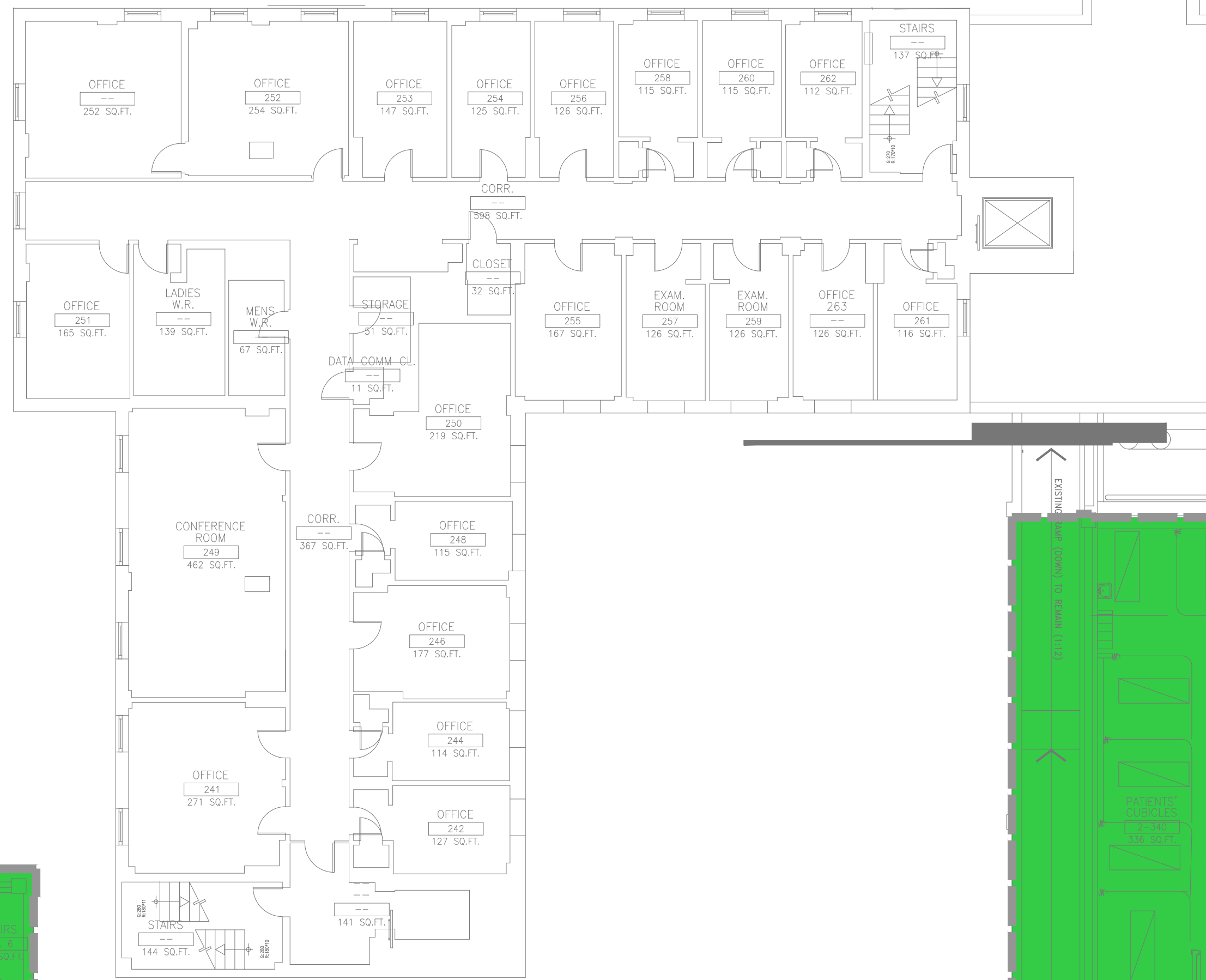
GENERAL NOTES:

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5. IF YOU SUSPECT A MATERIAL TO BE ACM IN AN AREA SHOWN TO BE FREE OF ACM, CONTACT THE ASBESTOS COORDINATOR FOR CONSULTATION.

INTERNS' RESIDENCE LEVEL 2



McMASTER WING LEVEL 2



MAIN BUILDING - LEVEL 2



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - FLOORS

	ACM VINYL FLOOR TILES
	ACM VINYL SHEET FLOORING
	ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: MCMMASTER AND INTERNS' RES LEVEL 2 ACM ON FLOORS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
 SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
 DRAWN BY: JORDAN BOULOS FILE NAME: 2018030_RA-12 Floor Level
 DRAWING No. 2 MM and NR HIGH

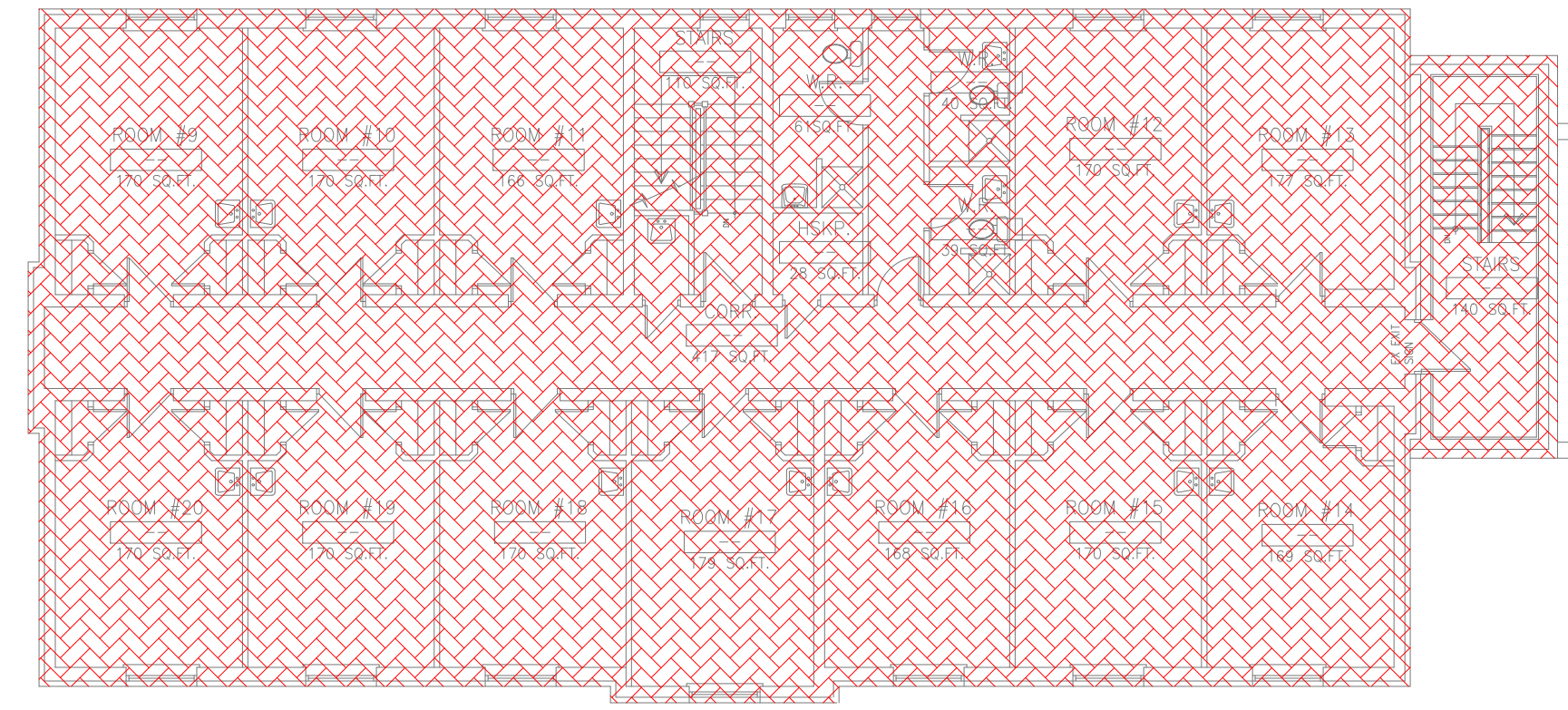
RA-12A

SHEET SIZE = ARCH D - 24" x 36" (METER) = 610mm x 914mm (METER)

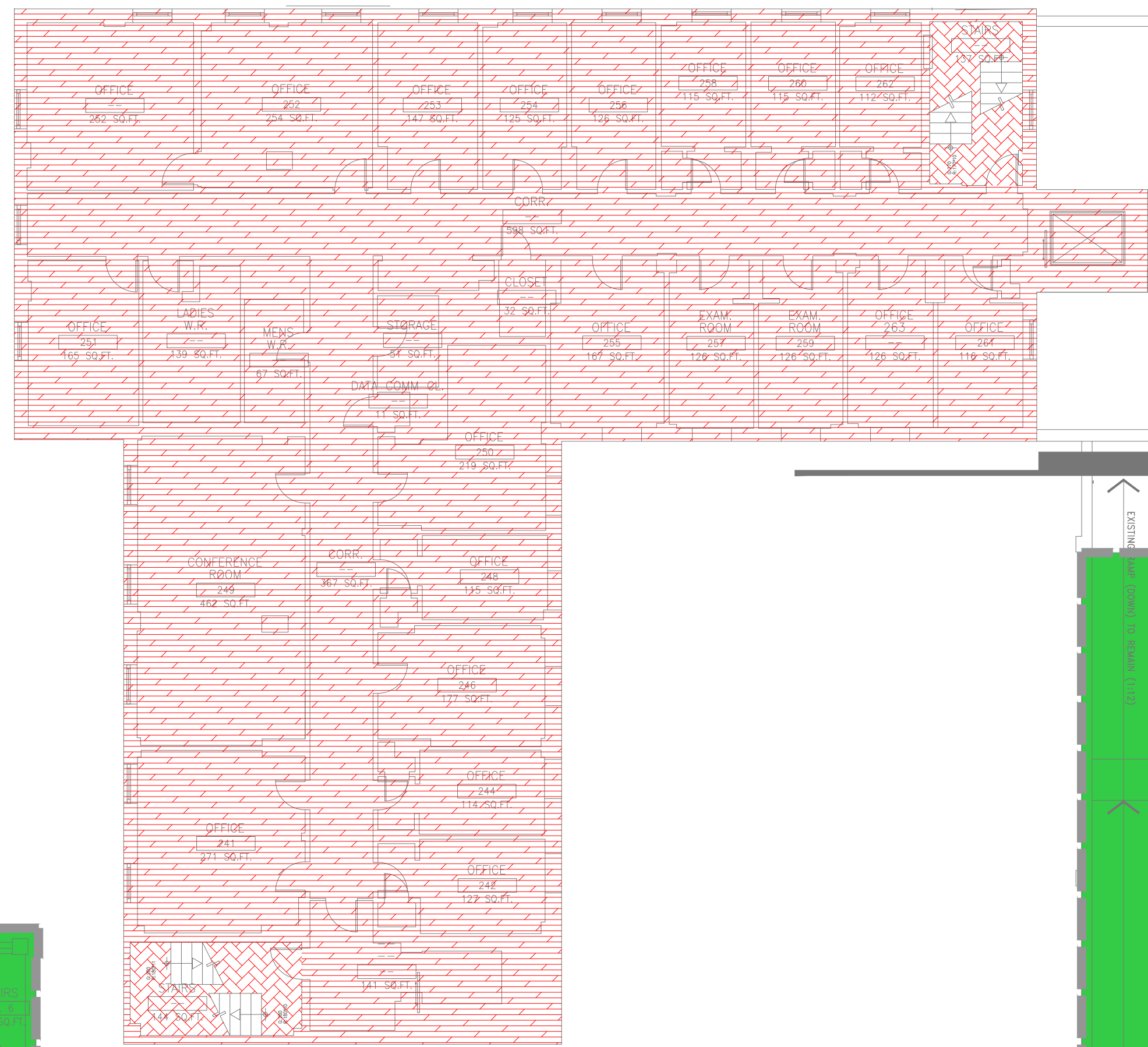
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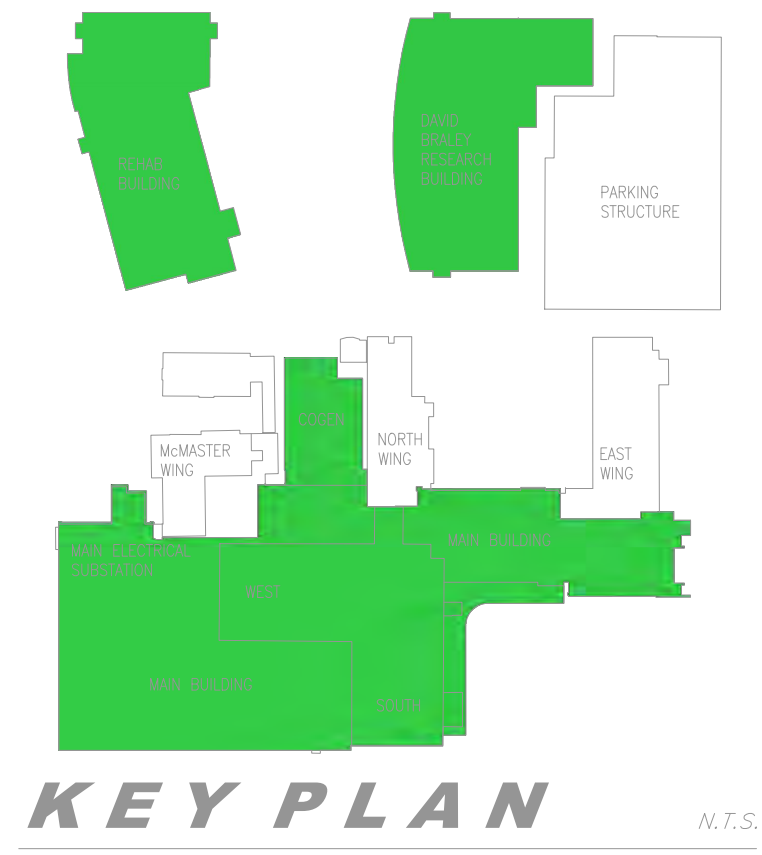
INTERNS' RESIDENCE LEVEL 2



McMASTER WING LEVEL 2



MAIN BUILDING - LEVEL 2



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - WALLS

- ACM DRYWALL JOINT COMPOUND ON WALLS
- ACM PLASTER ON WALLS
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: MCMMASTER AND INTERNS' RES LEVEL 2 ACM ON WALLS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE NAME: 20180330_RA-12 Floor Level
DRAWING No. 2 MM and NR HIGH

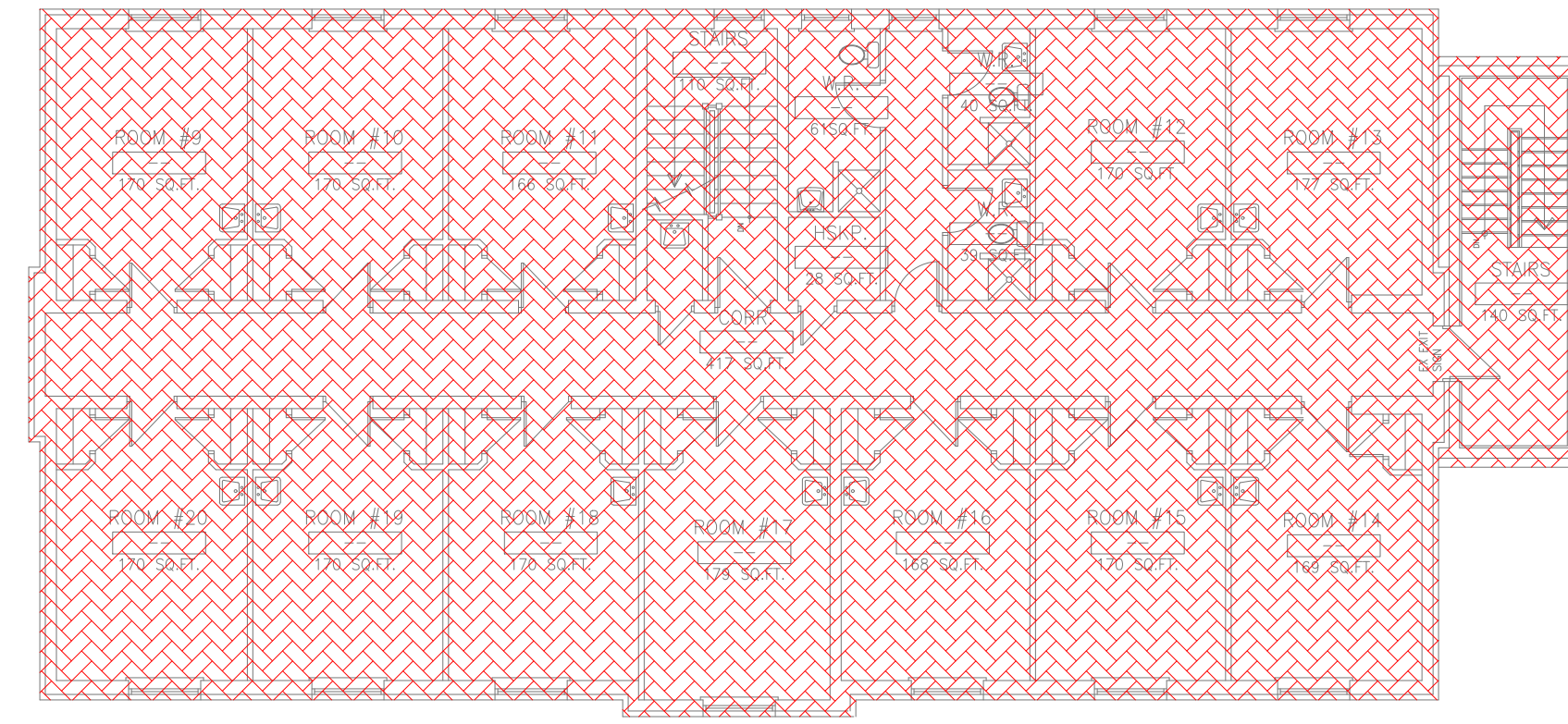
RA-12B

SHEET SIZE = ARCH D - 24" x 36" (MPEB4) = 610mm x 914mm (METER)

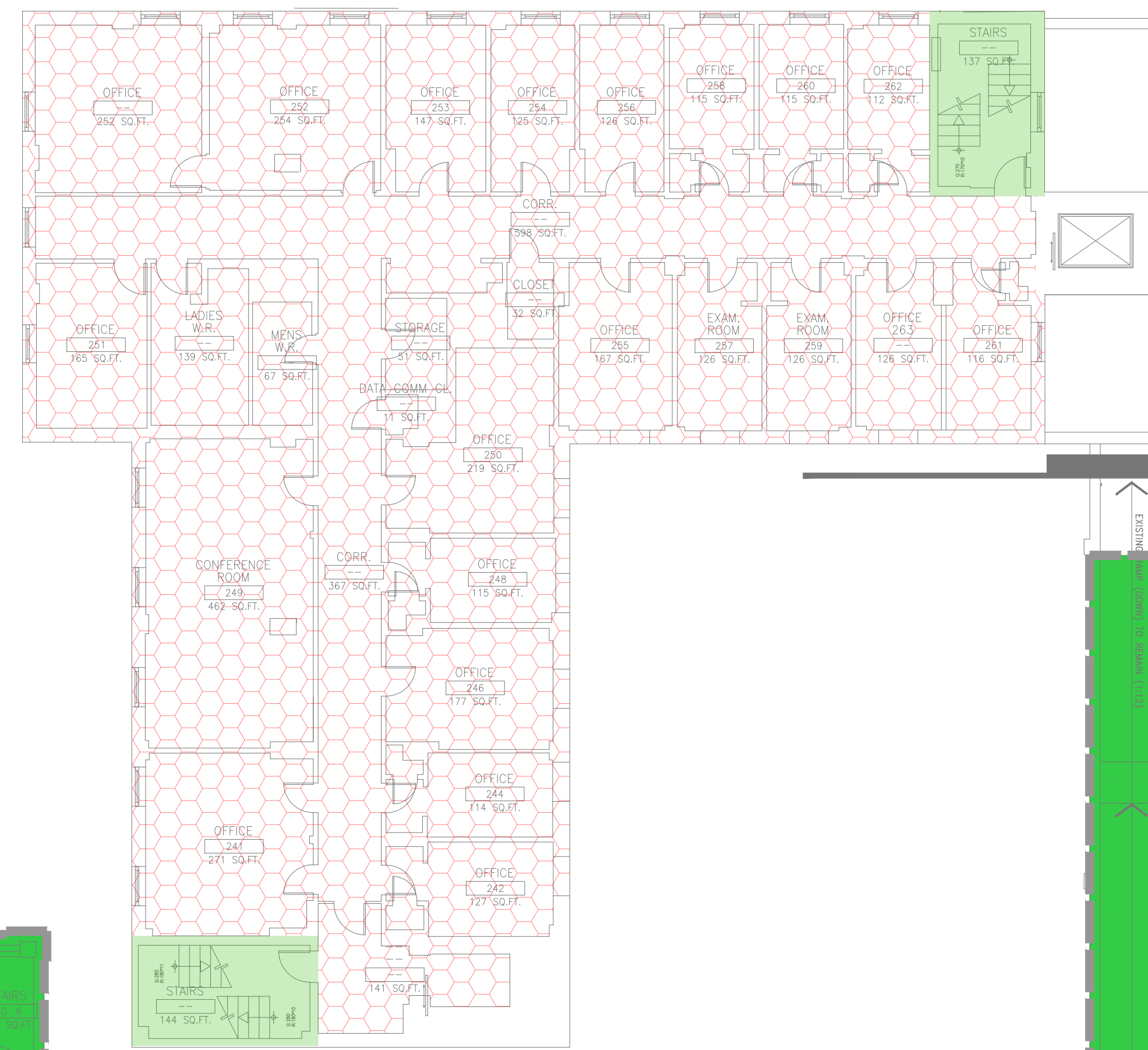
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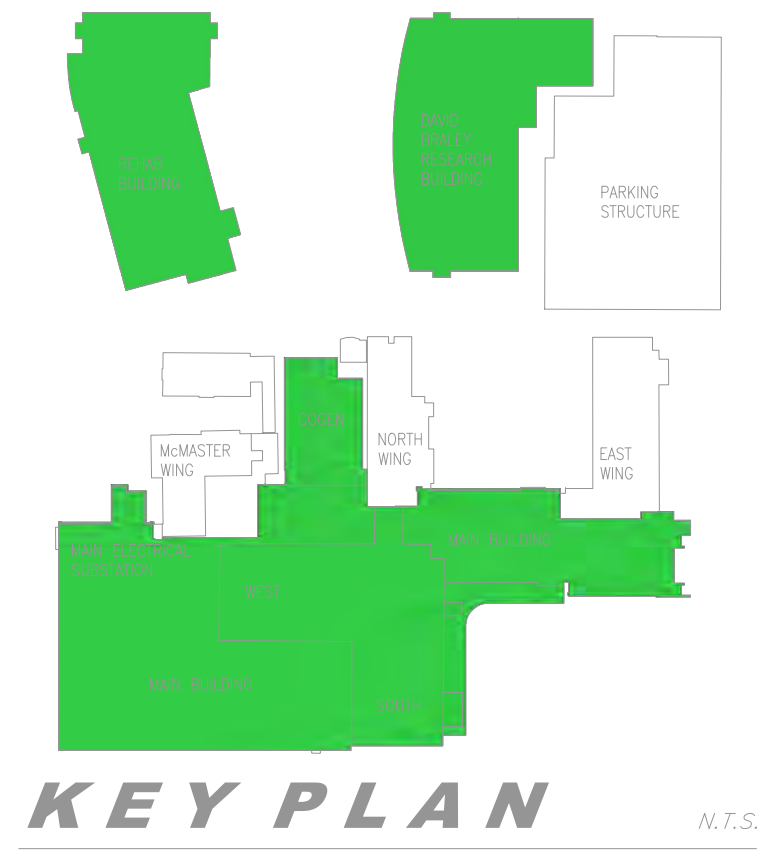
INTERNS' RESIDENCE LEVEL 2



McMASTER WING LEVEL 2



MAIN BUILDING - LEVEL 2



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - CEILING

- ACM CEILING TILES
- ACM DRYWALL JOINT COMPOUND ON CEILING
- ACM PLASTER ON CEILINGS
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: MCMMASTER AND INTERNS' RES LEVEL 2 ACM ON CEILINGS

PLDT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: 20180330_RA-12 Floor Level 2_MM_and_NR_HHS
DRAWING No.	

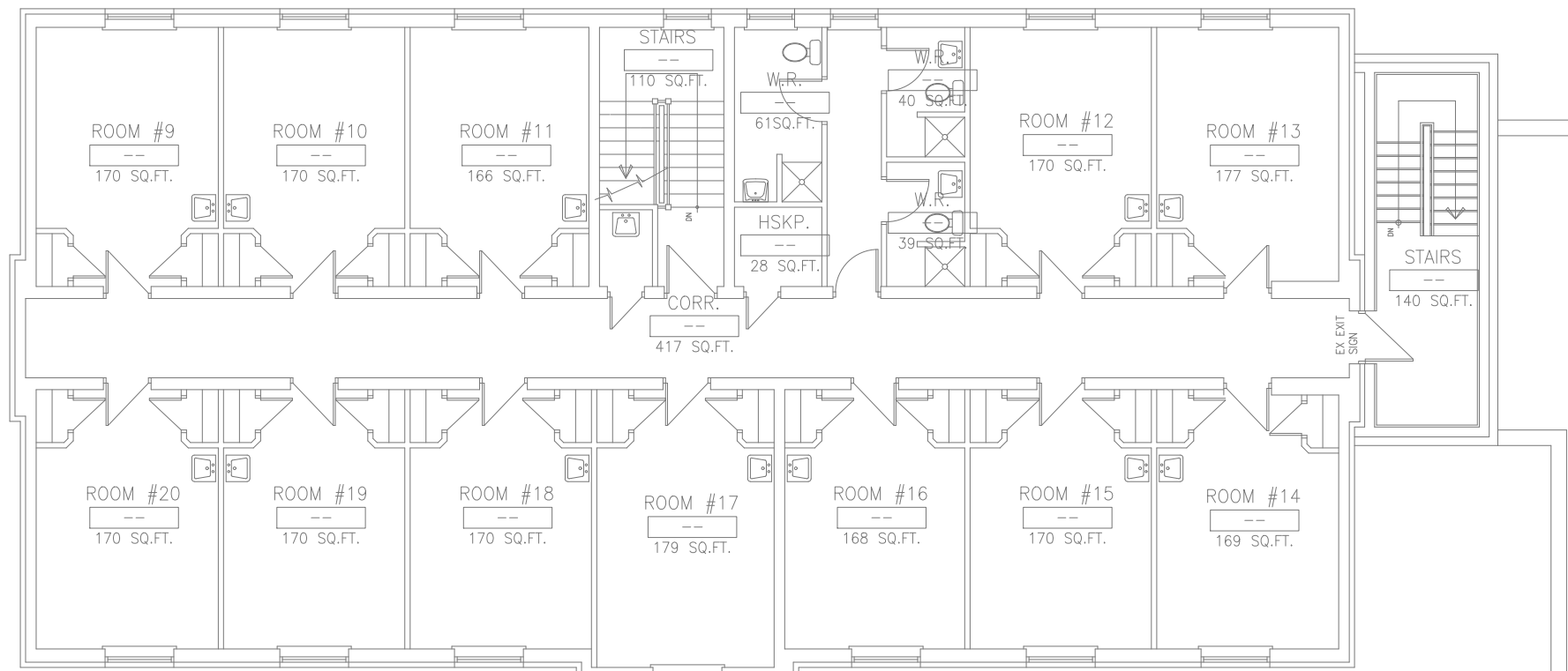
RA-12C

SHEET SIZE = ARCH D - 24" x 36" (METER) = 610mm x 914mm (METER)

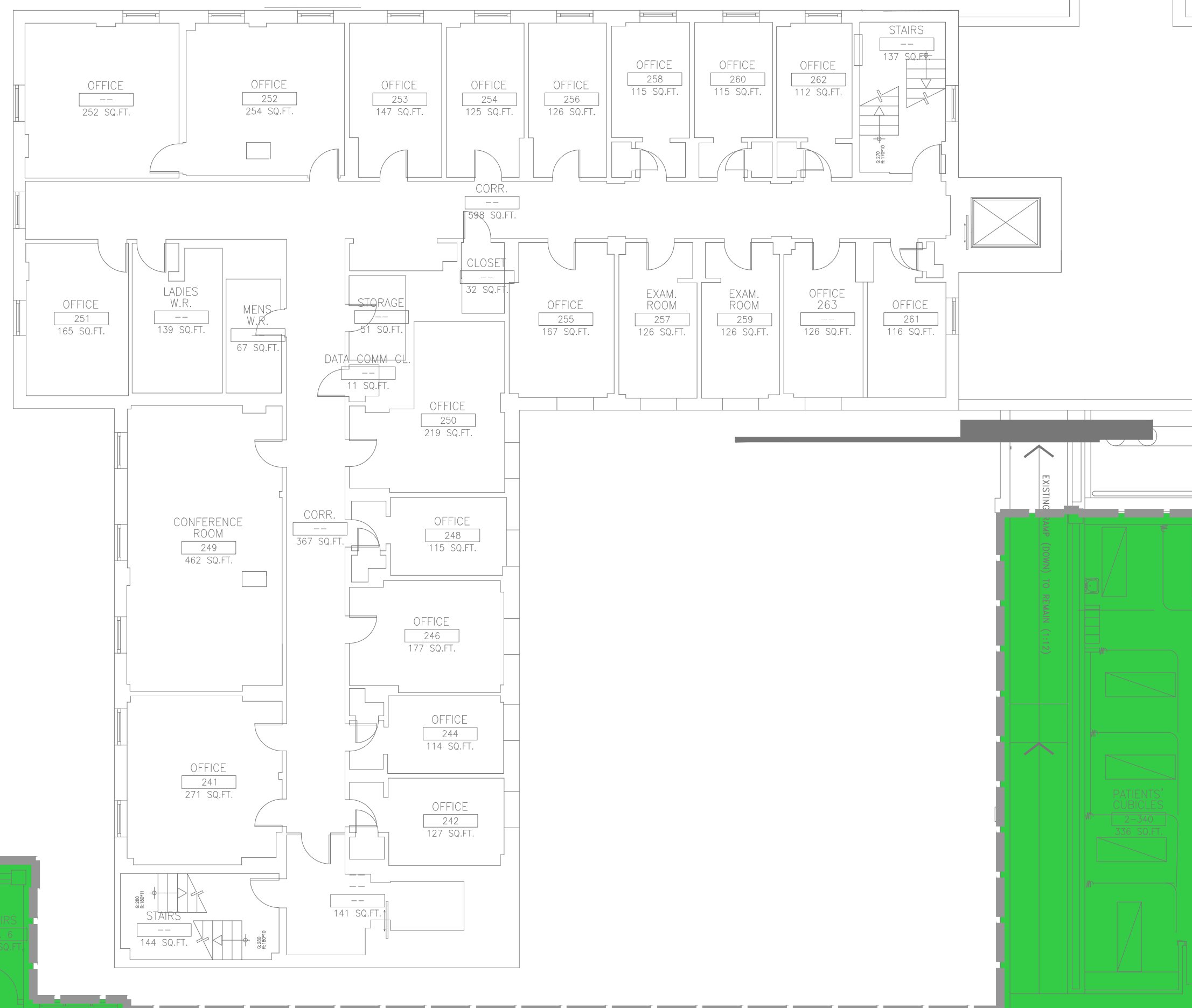
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INTERNS' RESIDENCE LEVEL 2



McMASTER WING LEVEL 2



MAIN BUILDING - LEVEL 2



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
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9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - OTHER

PI	ACM PIPE INSULATION
DI	ACM DUCT INSULATION
MI	ACM MECHANICAL INSULATION
T1	TYPE 1 ENTRY
T2	TYPE 2 ENTRY
T3	TYPE 3 ENTRY
TF	ACM TEXTURE FINISH
FS	ACM FIRESTOPPING
TR	TRANSITE
NAR	NO ACCESS TO ROOM/AREA

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL -
237 BARTON ST. EAST, ASBESTOS
MANAGEMENT PLAN AND SURVEY

DRAWING:
MCMMASTER AND INTERNS' RES
LEVEL 2
OTHER ACM

PLDT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: 2_1425030_RA-12 Floor Level 2_MM_and_NR_HGH

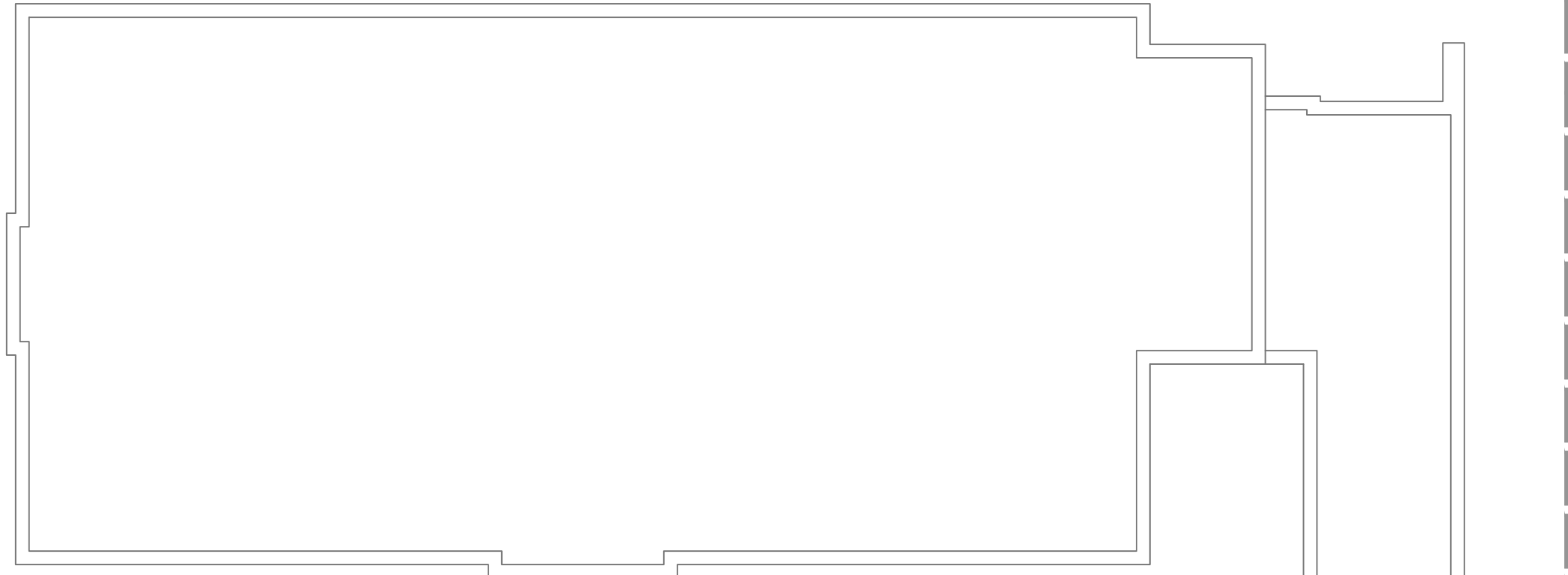
RA-12D

SHEET SIZE = ARCH D - 24" x 36" (MPEB4) = 610mm x 914mm (MPEB4)

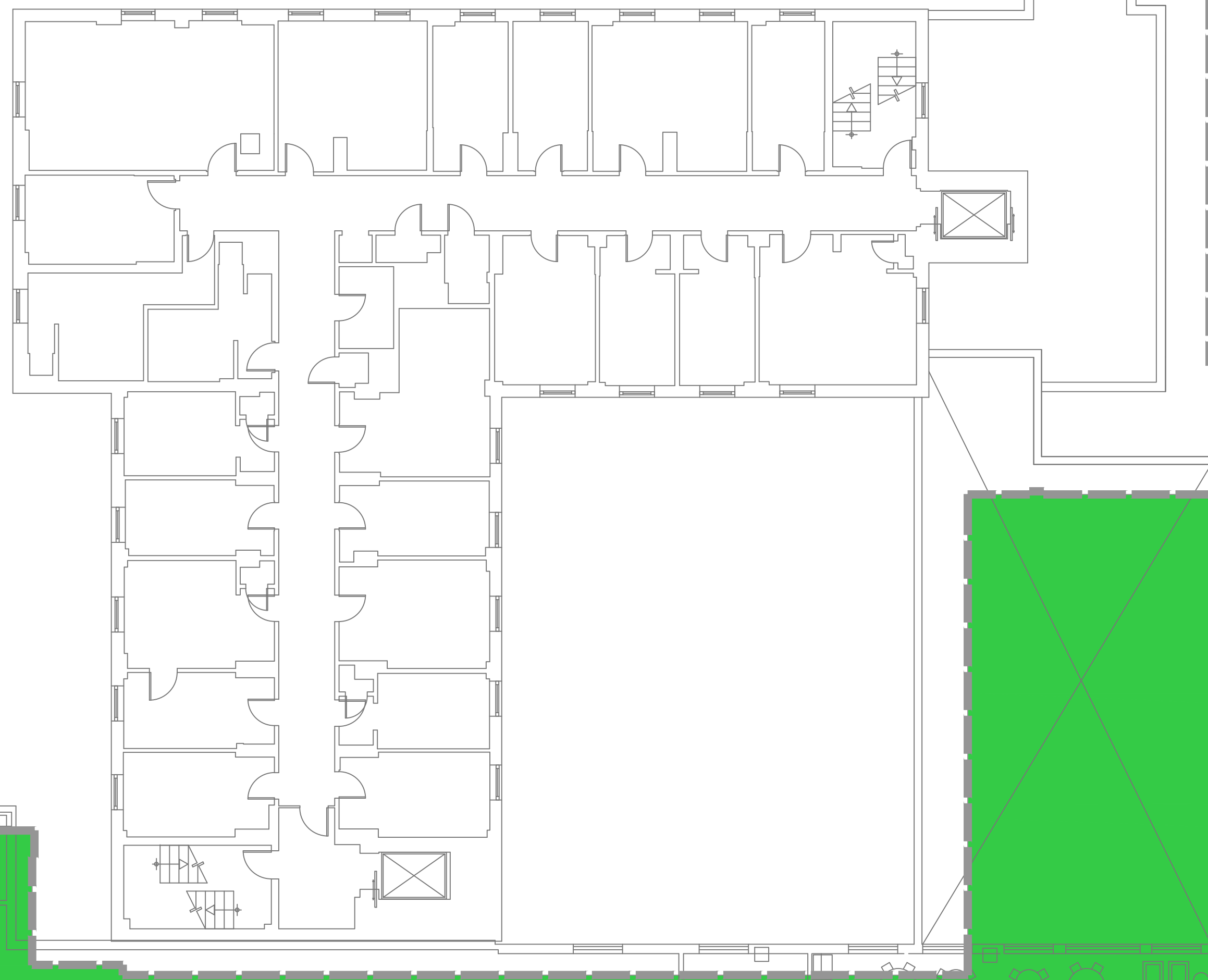
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INTERNS' RESIDENCE LEVEL 3



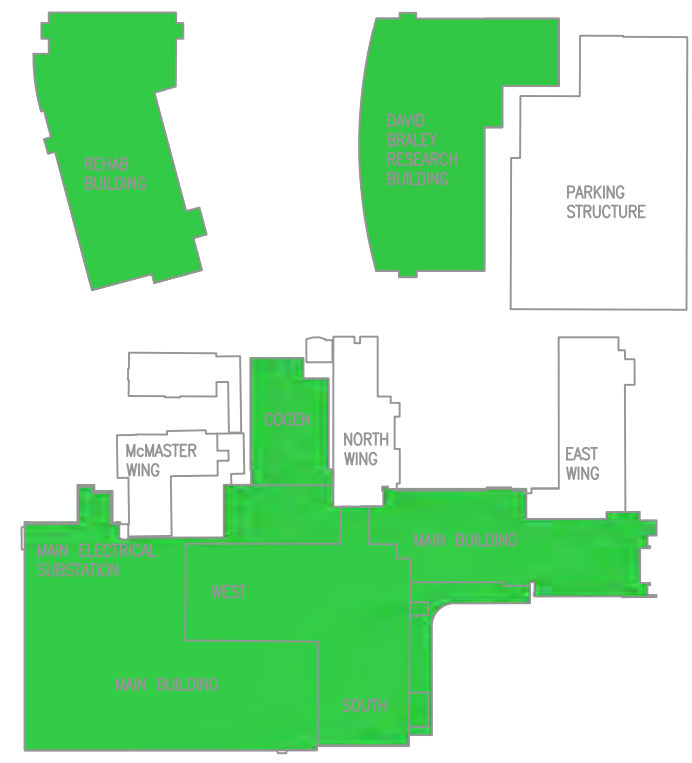
McMASTER WING LEVEL 3



MAIN BUILDING - LEVEL 3



NORT



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

- LEGEND - FLOORS
- ACM VINYL FLOOR TILES
 - ACM VINYL SHEET FLOORING
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 3
ACM ON FLOORS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE NAME: 030 RA-13 Floor Level
DRAWING No. 3 MM and NR HIGH

RA-13A

SHEET SIZE = ARCH 'D' - 24" x 36" (METERS) = 610mm x 914mm (METERS)

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INTERNS' RESIDENCE LEVEL 3

McMASTER WING LEVEL 3

MAIN BUILDING - LEVEL 3

NORT



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

LEGEND - WALLS

- ACM DRYWALL JOINT COMPOUND ON WALLS
- ACM PLASTER ON WALLS
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 3
ACM ON WALLS

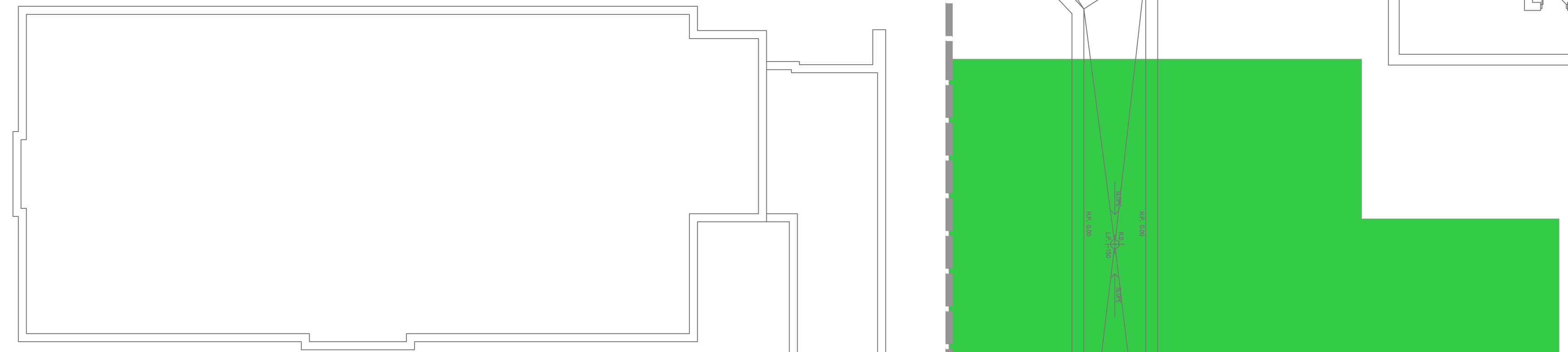
PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: RA-13B-030 RA-13 Floor Level 3 MM and NR HIGH

RA-13B

SHEET SIZE = ARCH D - 24" x 36" (METER) = 610mm x 914mm (METER)

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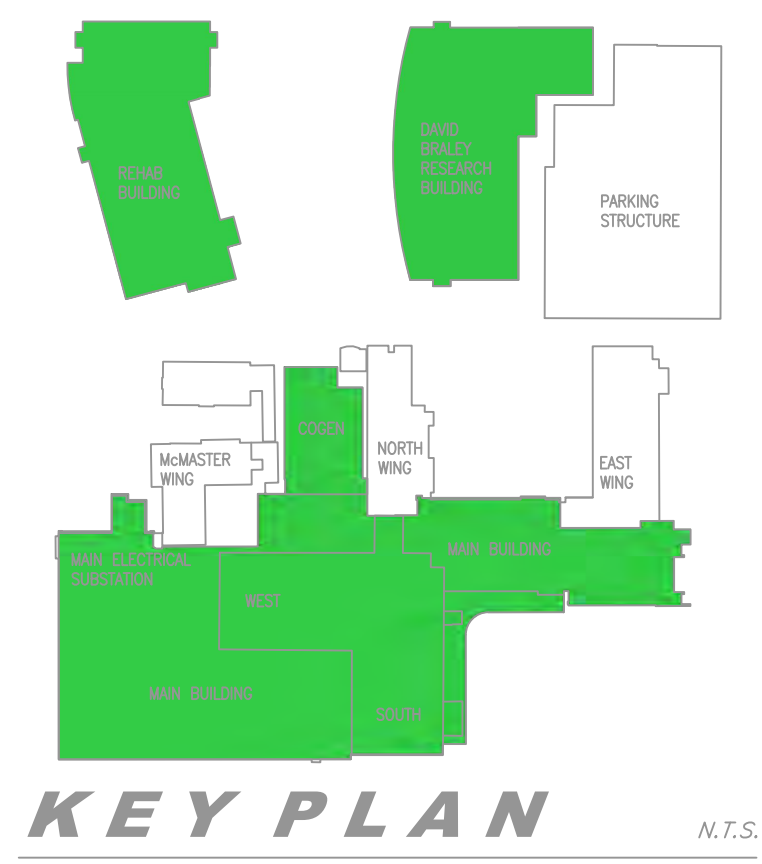
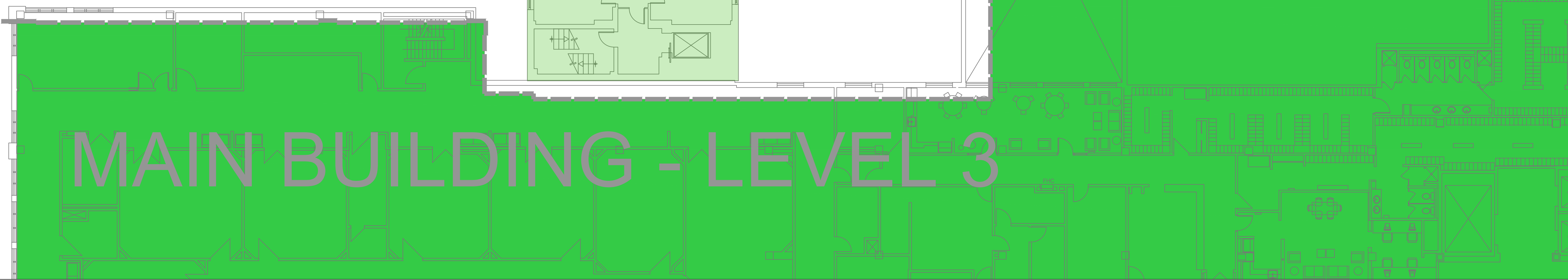
INTERNS' RESIDENCE LEVEL 3



McMASTER WING LEVEL 3



MAIN BUILDING - LEVEL 3



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

- LEGEND - CEILING
- ACM CEILING TILES
 - ACM DRYWALL JOINT COMPOUND ON CEILING
 - ACM PLASTER ON CEILINGS
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: McMASTER AND INTERNS RES LEVEL 3 ACM ON CEILINGS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE NAME: 030 RA-13 Floor Level
DRAWING No. 3 MM and NR HIGH

RA-13C

SHEET SIZE = ARCH D - 24" x 36" (METERS) = 610mm x 914mm (METERS)

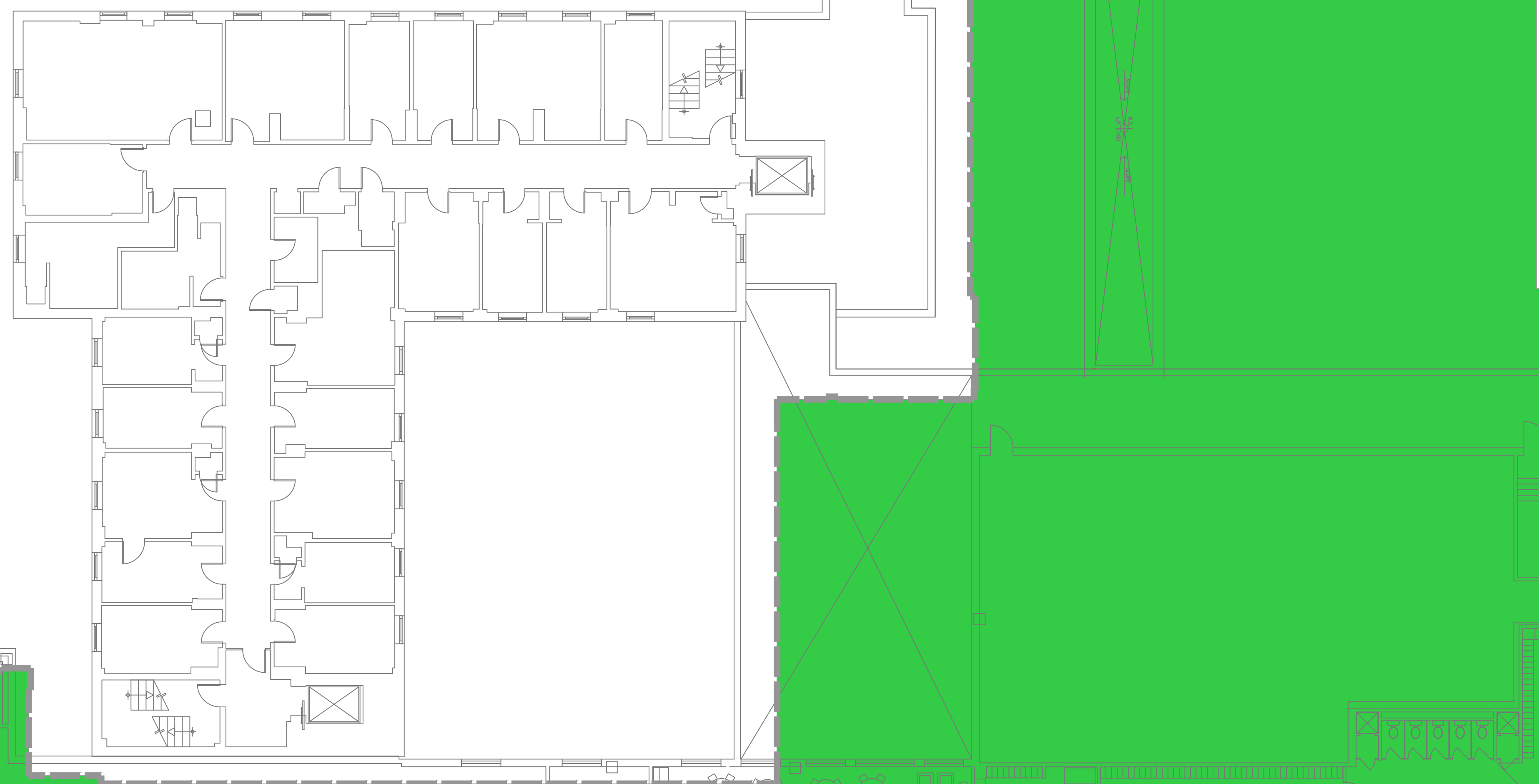
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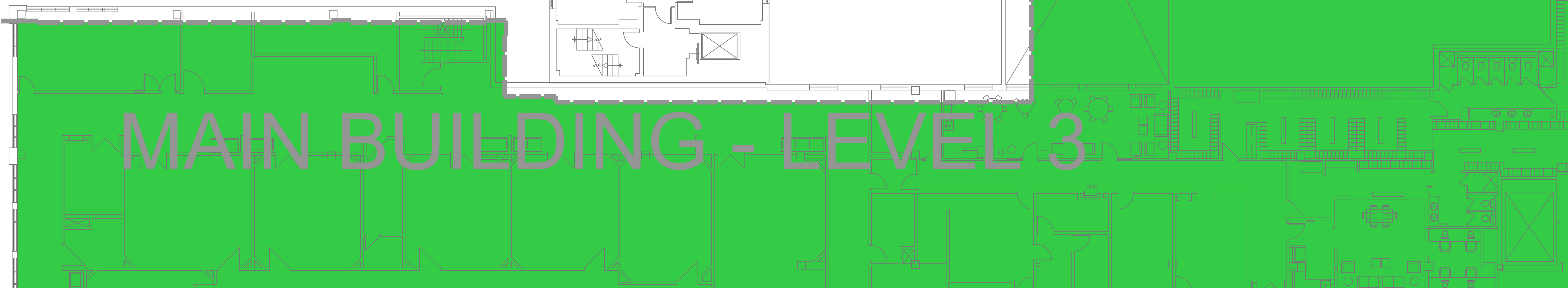
INTERNS' RESIDENCE LEVEL 3



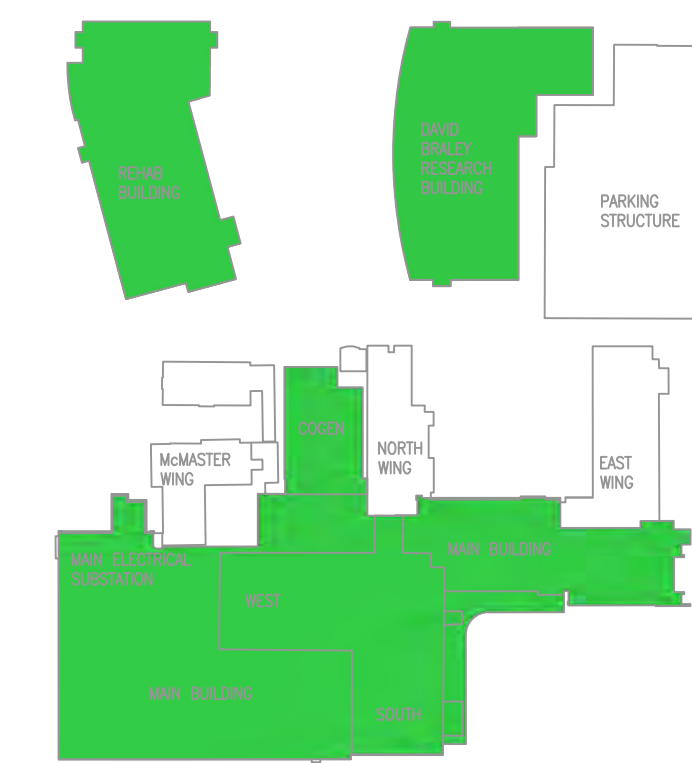
McMASTER WING LEVEL 3



MAIN BUILDING - LEVEL 3



NORT



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

LEGEND - OTHER

- PI ACM PIPE INSULATION
- DI ACM DUCT INSULATION
- MI ACM MECHANICAL INSULATION
- T1 TYPE 1 ENTRY
- T2 TYPE 2 ENTRY
- T3 TYPE 3 ENTRY
- TF ACM TEXTURE FINISH
- FS ACM FIRESTOPPING
- T TRANSITE
- NAR NO ACCESS TO ROOM/AREA

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL -
237 BARTON ST. EAST, ASBESTOS
MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES
LEVEL 3
OTHER ACM

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: RA-13 Floor Level 3 MM and NR HIGH

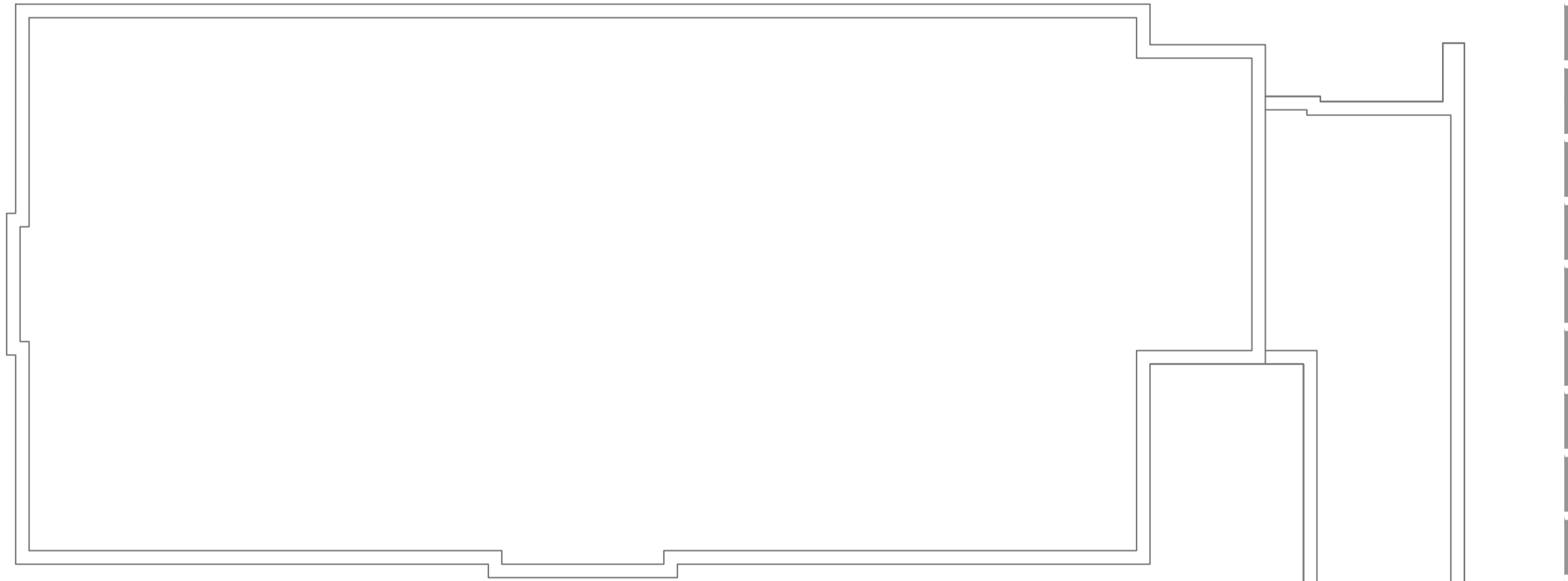
RA-13D

SHEET SIZE = ARCH D - 24" x 36" (METERS) = 610mm x 914mm (METERS)

GENERAL NOTES:

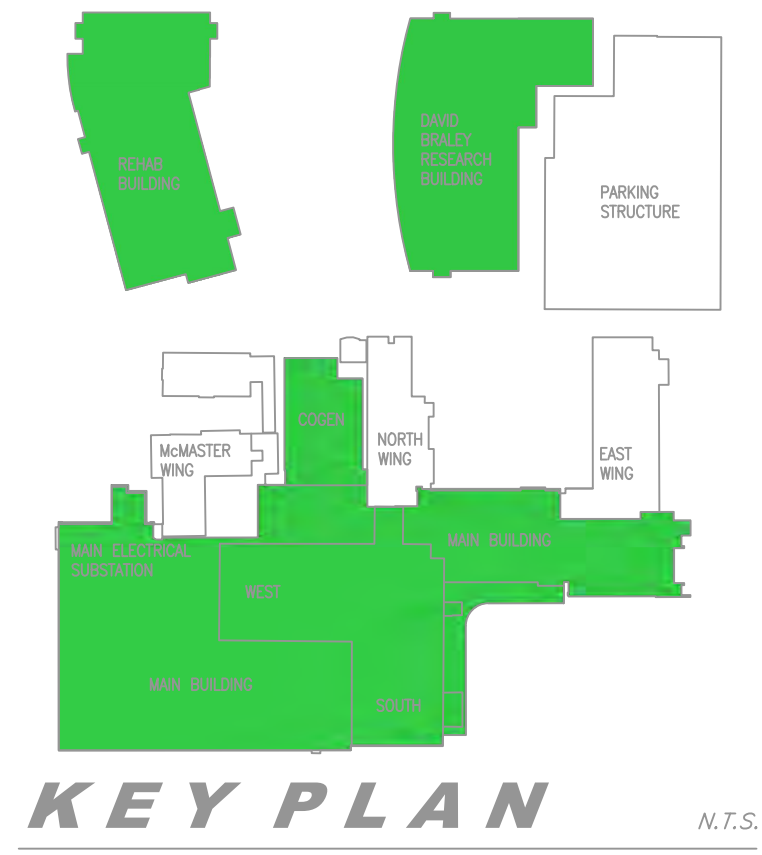
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5. IF YOU SUSPECT A MATERIAL TO BE ACM IN AN AREA SHOWN TO BE FREE OF ACM, CONTACT THE ASBESTOS COORDINATOR FOR CONSULTATION.

INTERNS' RESIDENCE LEVEL 4



McMASTER WING LEVEL 4

DRAWING NOTES:
1. 9"x9" VINYL FLOOR TILE MAY EXIST BELOW VINYL SHEET FLOORING IN AREAS SHOWN HATCHED



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - FLOORS
 ACM VINYL FLOOR TILES
 ACM VINYL SHEET FLOORING
 ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

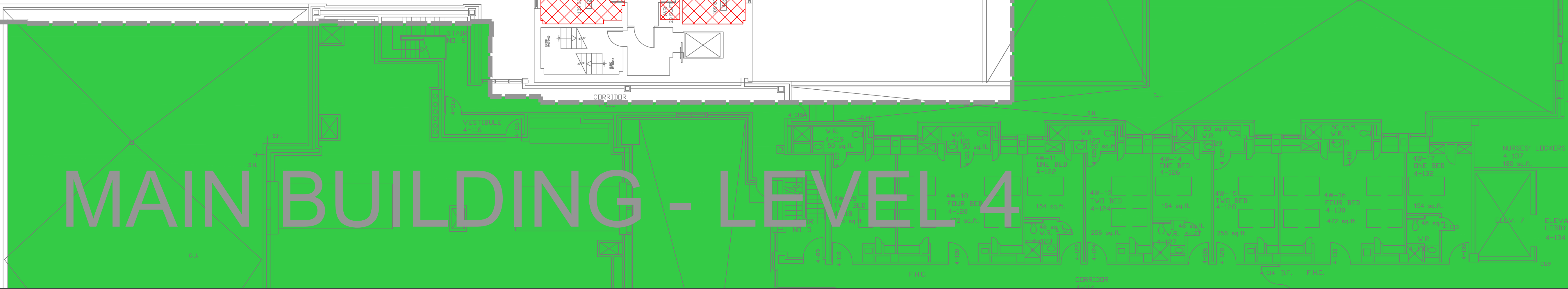
PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 4 ACM ON FLOORS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
 SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
 DRAWN BY: JORDAN BOULOS FILE # 030 RA-14 Floor Level
 DRAWING No. 4 MM and NR HIGH

RA-14A

MAIN BUILDING - LEVEL 4



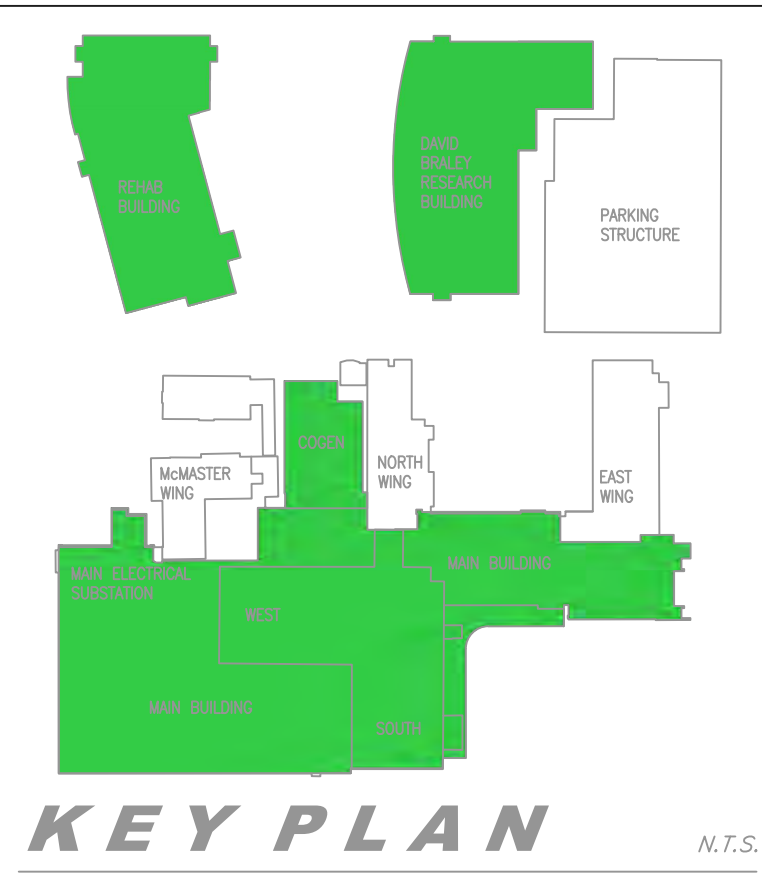
SHEET SIZE = ARCH D - 24" x 36" (METER) = 610mm x 914mm (METER)

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INTERNS' RESIDENCE LEVEL 4

McMASTER WING LEVEL 4

MAIN BUILDING - LEVEL 4



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

- LEGEND - WALLS**
- ACM DRYWALL JOINT COMPOUND ON WALLS
 - ACM PLASTER ON WALLS
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL -
237 BARTON ST. EAST, ASBESTOS
MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES
LEVEL 4
ACM ON WALLS

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: RA-14B-030 RA-14 Floor Level 4 MM and NR HIGH
DRAWING No.	

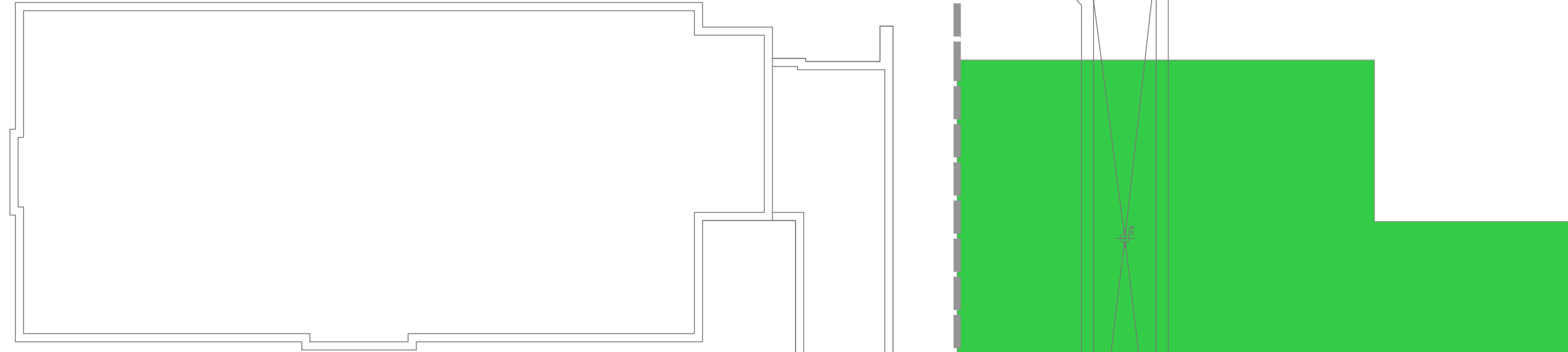
RA-14B

SHEET SIZE = ARCH D - 24" x 36" (METERS) = 610mm x 914mm (METERS)

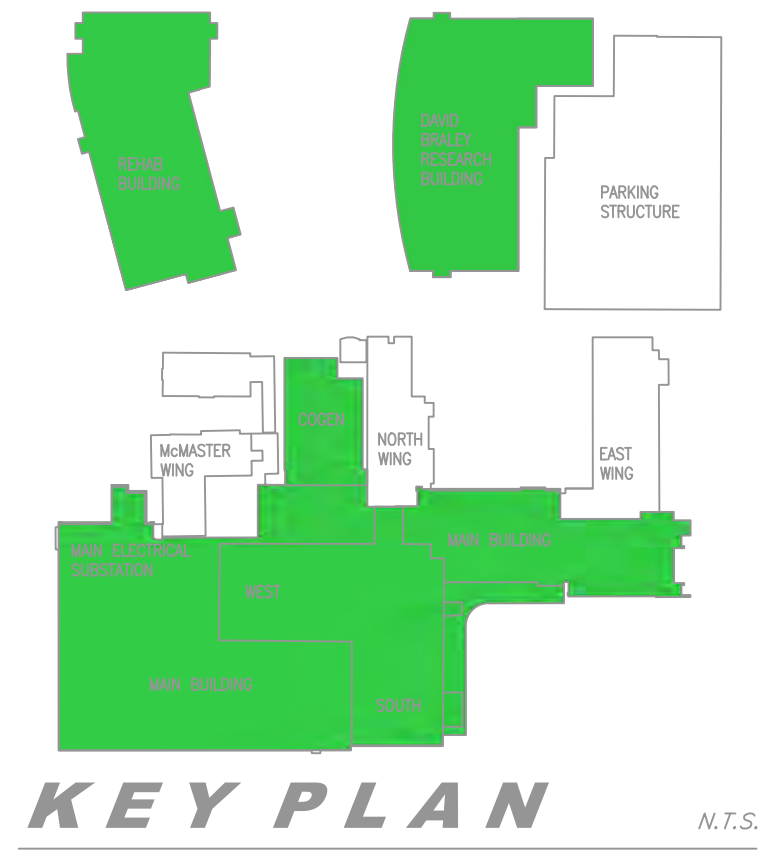
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INTERNS' RESIDENCE LEVEL 4



McMASTER WING LEVEL 4



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
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4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - CEILING

	ACM CEILING TILES
	ACM DRYWALL JOINT COMPOUND ON CEILING
	ACM PLASTER ON CEILINGS
	NO ACM PRESENT
	ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 4 ACM ON CEILINGS

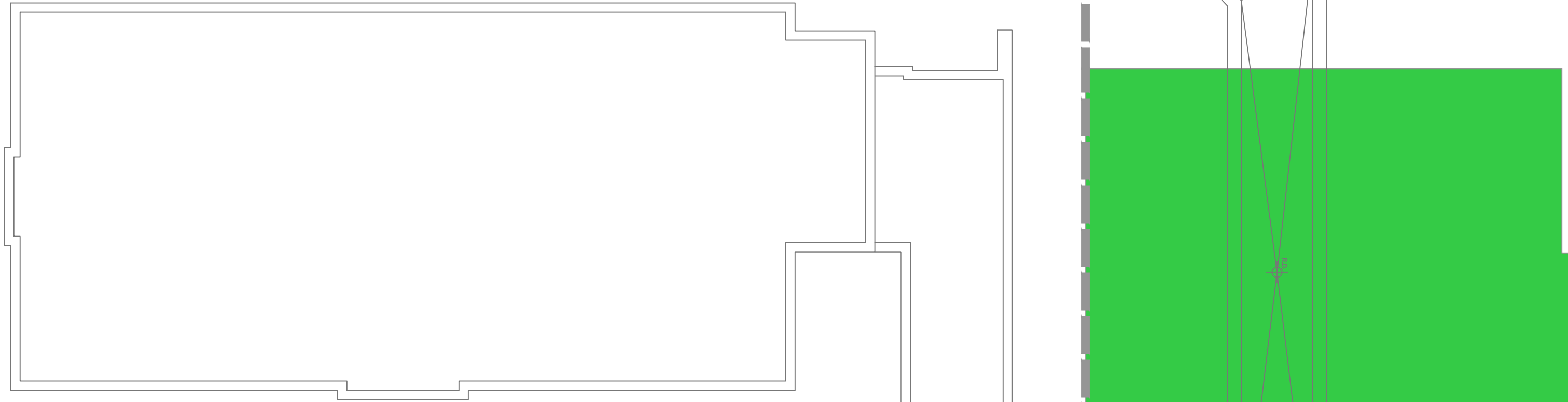
PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: RA-14C-030 RA-14 Floor Level
DRAWING No.	4 MM and NR HIGH

RA-14C

MAIN BUILDING - LEVEL 4

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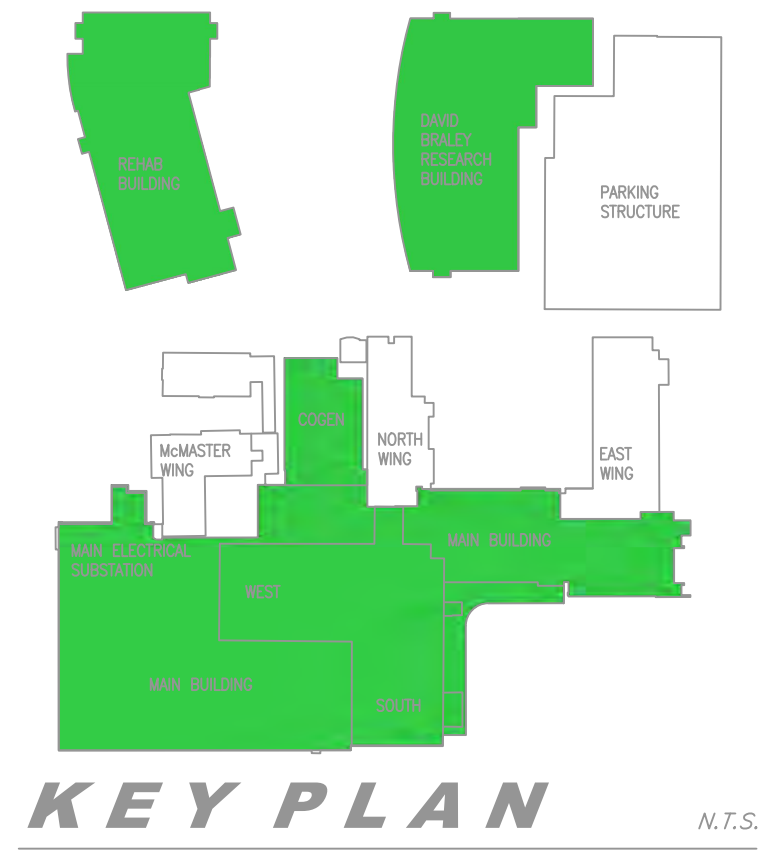
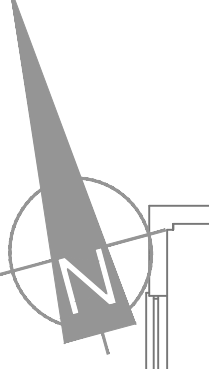
INTERNS' RESIDENCE LEVEL 4



McMASTER WING LEVEL 4



MAIN BUILDING - LEVEL 4



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

- LEGEND - OTHER
- PI ACM PIPE INSULATION
 - DI ACM DUCT INSULATION
 - MI ACM MECHANICAL INSULATION
 - T1 TYPE 1 ENTRY
 - T2 TYPE 2 ENTRY
 - T3 TYPE 3 ENTRY
 - TF ACM TEXTURE FINISH
 - FS ACM FIRESTOPPING
 - T TRANSITE
 - NAR NO ACCESS TO ROOM/AREA

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 4 OTHER ACM

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE: 1906030 RA-14 Floor Level
DRAWING No. 4 MM and NR HIGH

RA-14D

SHEET SIZE = ARCH 'D' - 24" x 36" (MPERBL) - 610mm x 914mm (METRIC)

GENERAL NOTES:

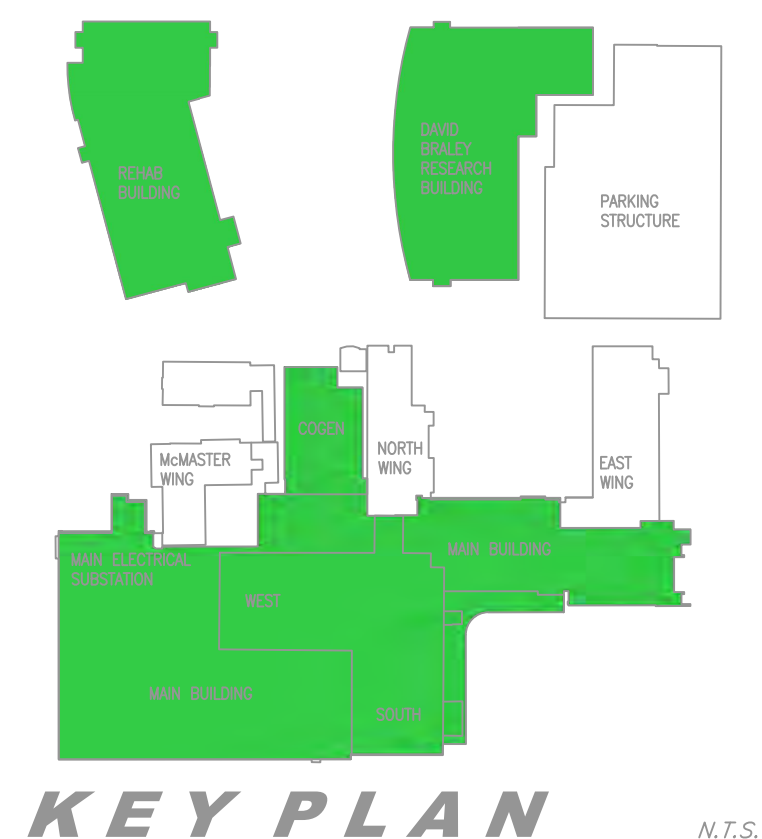
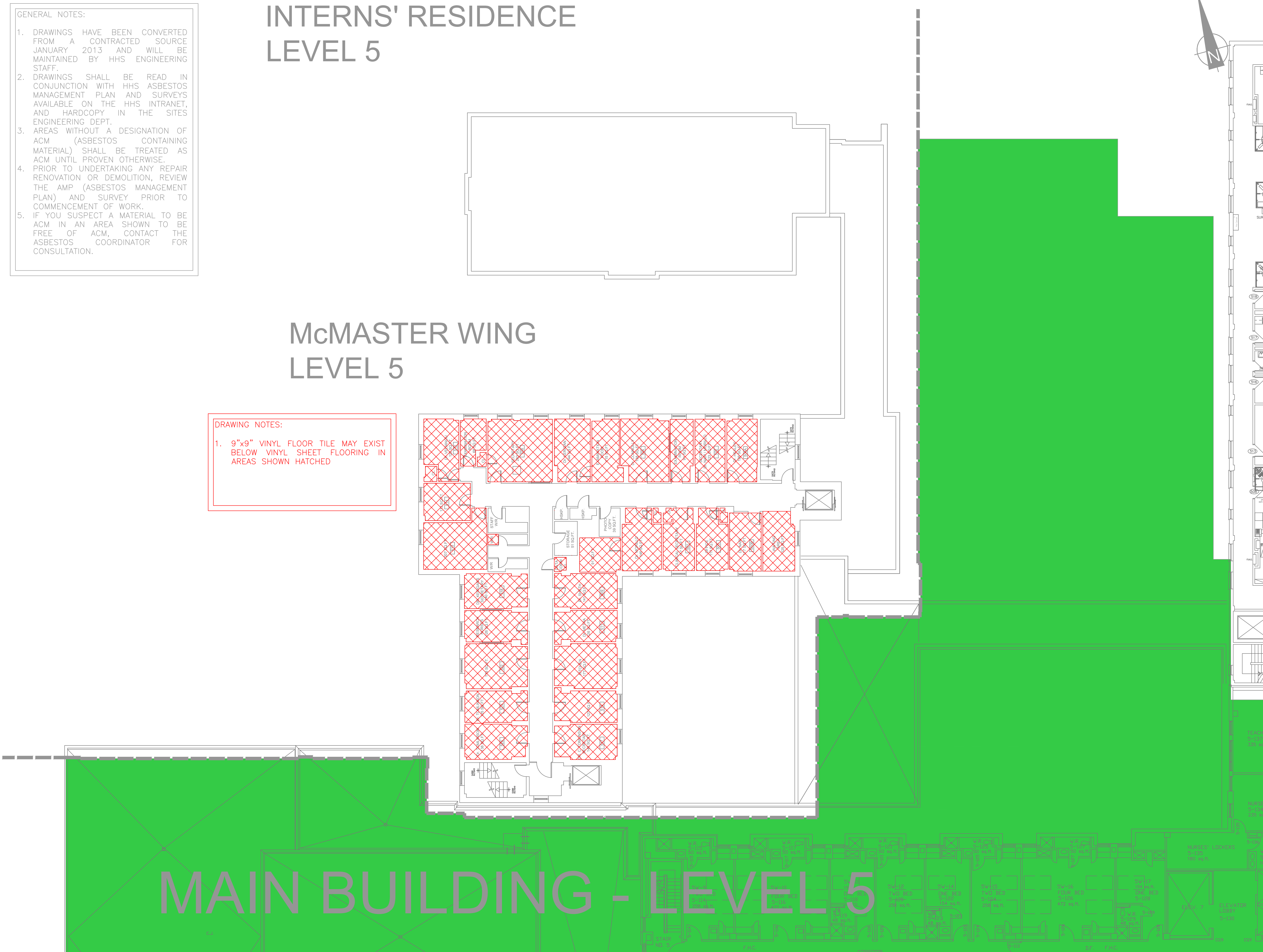
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INTERNS' RESIDENCE LEVEL 5

McMASTER WING LEVEL 5

DRAWING NOTES:

1. 9"x9" VINYL FLOOR TILE MAY EXIST BELOW VINYL SHEET FLOORING IN AREAS SHOWN HATCHED



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
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9	3/31/2016		UPDATED by ECOH	MM
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LEGEND - FLOORS

- ACM VINYL FLOOR TILES
- ACM VINYL SHEET FLOORING
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 5
ACM ON FLOORS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE NAME: 030 RA-15 Floor Level
DRAWING No. 5 MM and IR HGH

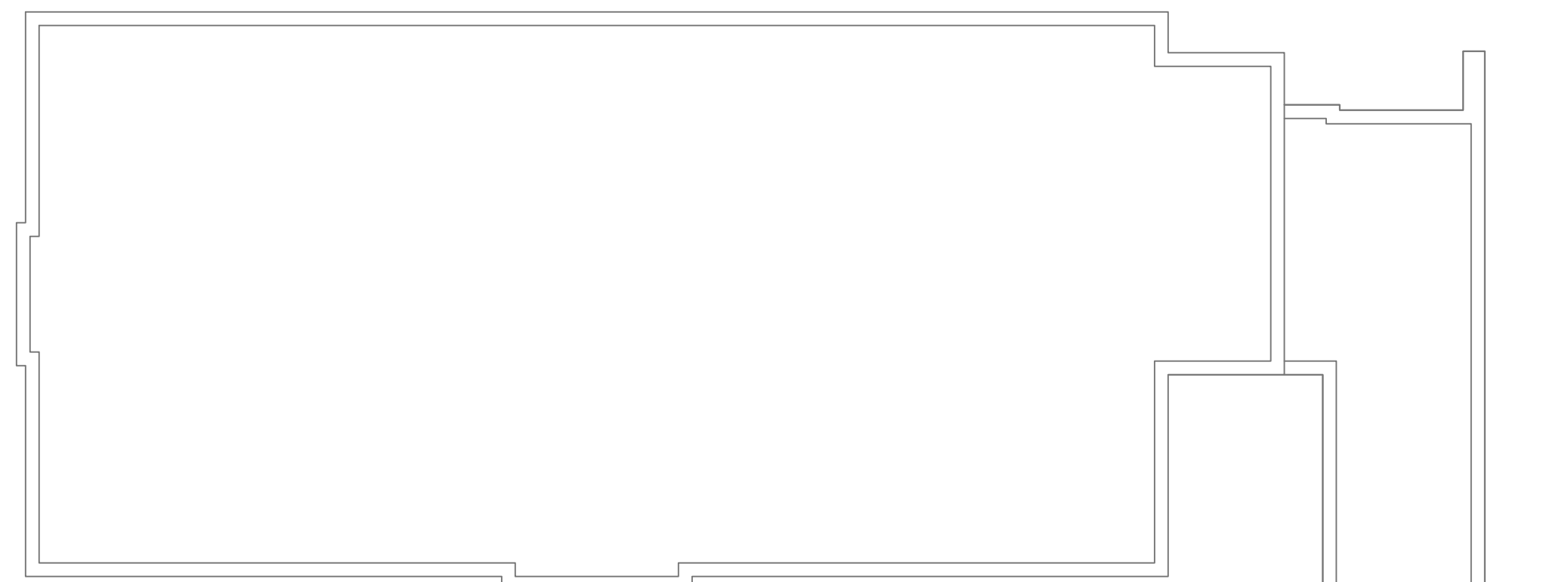
RA-15A

SHEET SIZE = ARCH D - 24" x 36" (MPEBMA) = 610mm x 914mm (METRIC)

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INTERNS' RESIDENCE LEVEL 5



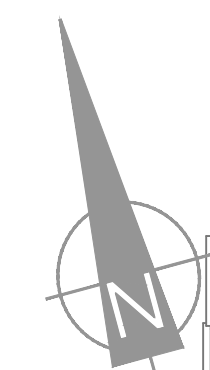
McMASTER WING LEVEL 5

DRAWING NOTES:

1. MAJORITY OF WALLS ON THIS LEVEL ARE PLASTER WHICH IS NOT ASBESTOS CONTAINING. ONLY DRYWALL JOINT COMPOUND CONTAINS ASBESTOS.



MAIN BUILDING - LEVEL 5



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

LEGEND - WALLS

- ACM DRYWALL JOINT COMPOUND ON WALLS
- ACM PLASTER ON WALLS
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 5
ACM ON WALLS

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: 2018030 RA-15 Floor Level 5_MM and IR_HGH
DRAWING No.	

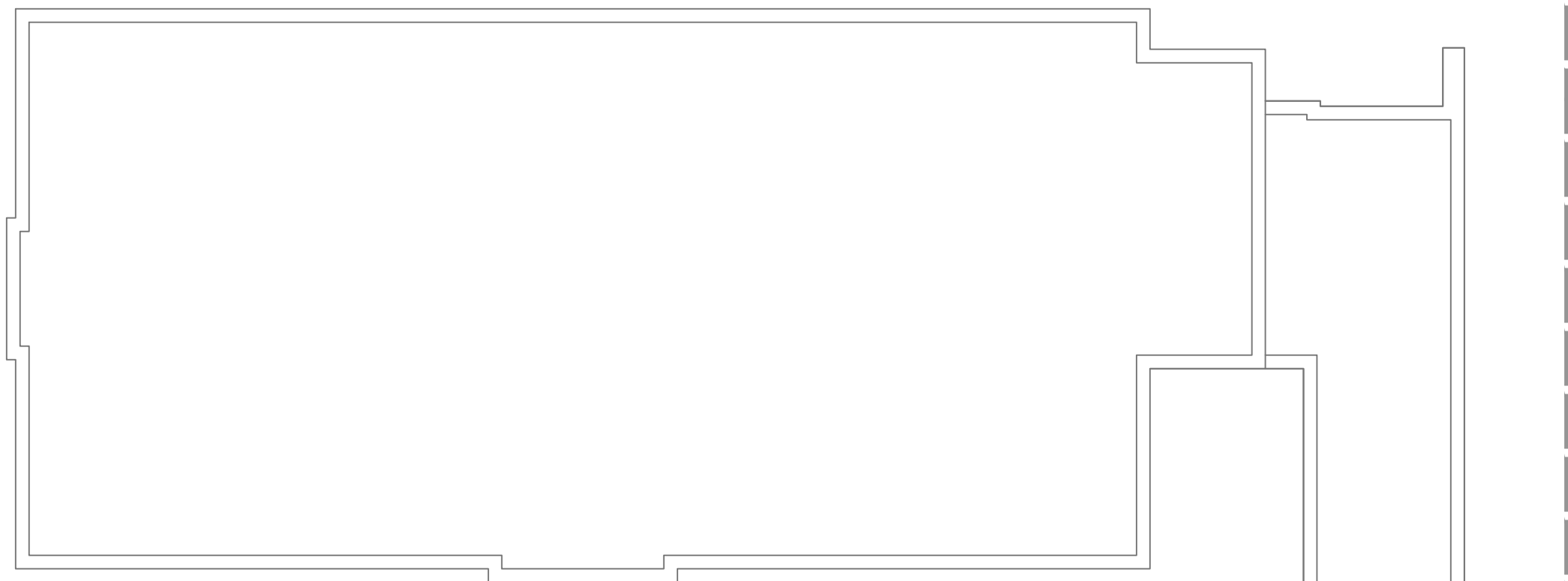
RA-15B

SHEET SIZE = ARCH D - 24" x 36" (METER) = 610mm x 914mm (METER)

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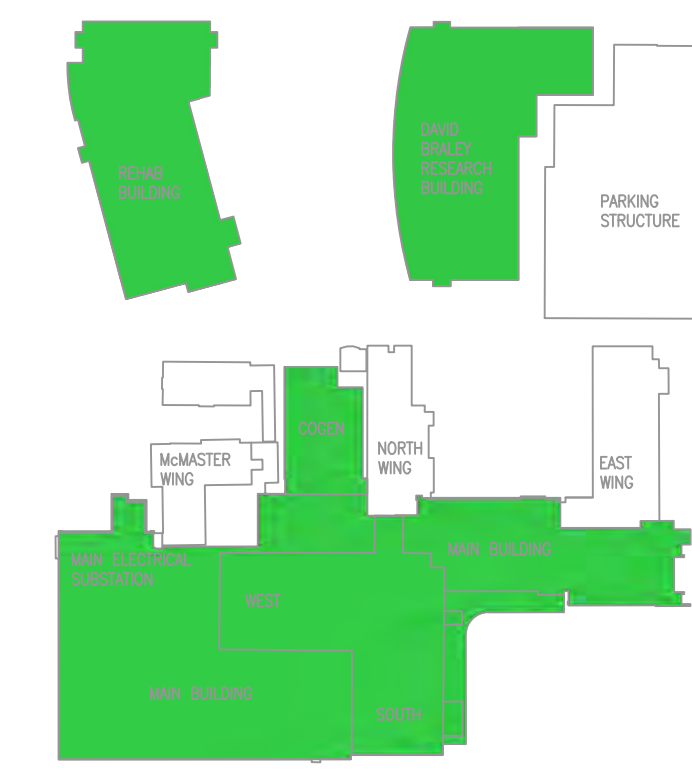
INTERNS' RESIDENCE LEVEL 5



McMASTER WING LEVEL 5



MAIN BUILDING - LEVEL 5



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
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5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

- LEGEND - CEILING
- ACM CEILING TILES
 - ACM DRYWALL JOINT COMPOUND ON CEILING
 - ACM PLASTER ON CEILINGS
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 5 ACM ON CEILINGS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE NAME: 030 RA-15 Floor Level
DRAWING No. 5 MM and IR GHG

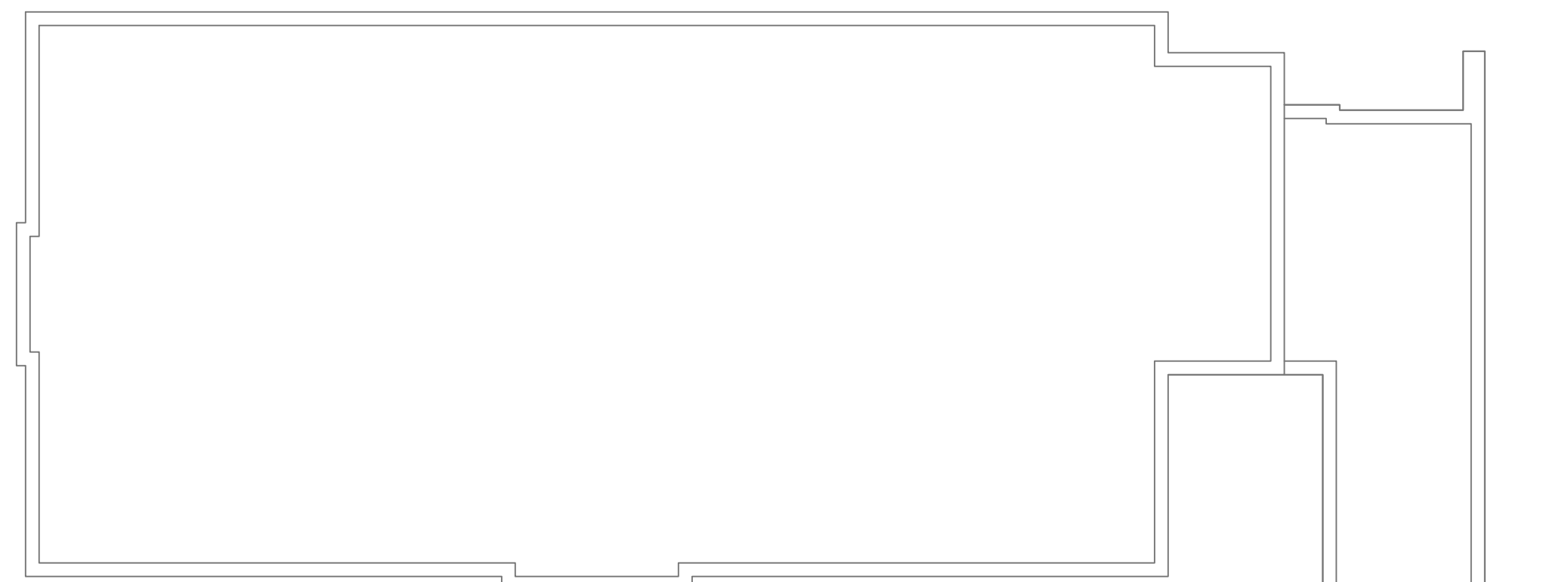
RA-15C

SHEET SIZE = ARCH 'D' - 24" x 36" (METER) = 610mm x 914mm (METER)

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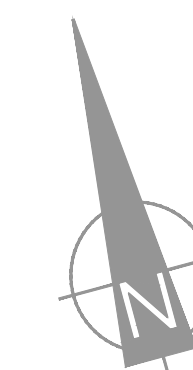
INTERNS' RESIDENCE LEVEL 5



McMASTER WING LEVEL 5



MAIN BUILDING - LEVEL 5



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
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2	2/1/2013		COMPLETE DRAWING UPDATED	GS
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4	4/1/2013		UPDATED	GS
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6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
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11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - OTHER

PI	ACM PIPE INSULATION
DI	ACM DUCT INSULATION
MI	ACM MECHANICAL INSULATION
T1	TYPE 1 ENTRY
T2	TYPE 2 ENTRY
T3	TYPE 3 ENTRY
TF	ACM TEXTURE FINISH
FS	ACM FIRESTOPPING
T	TRANSITE
NAR	NO ACCESS TO ROOM/AREA

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 5 OTHER ACM

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: RA-15 Floor Level 5_MM and IR_HGH

RA-15D

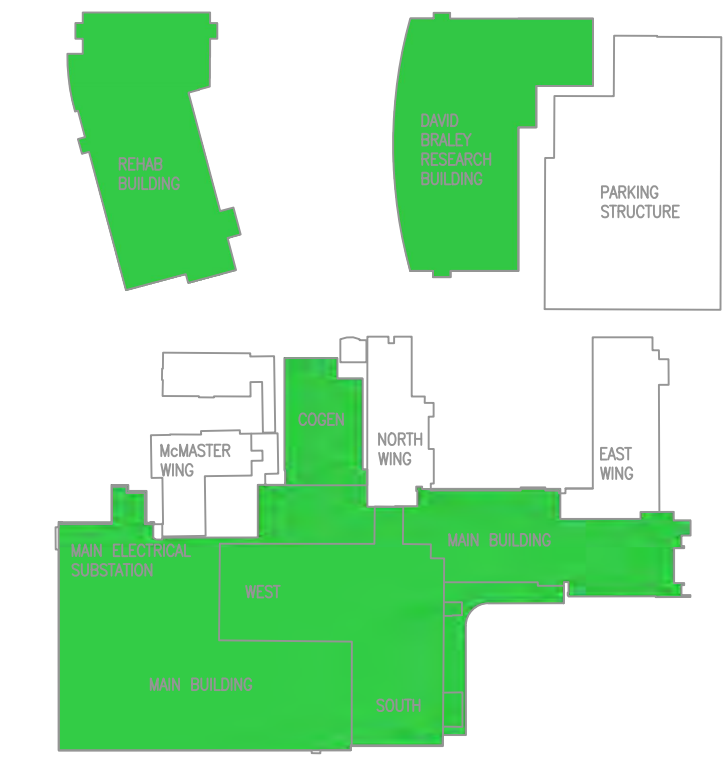
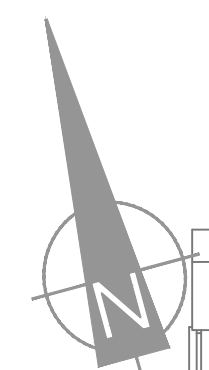
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McMASTER WING LEVEL 6

DRAWING NOTES:

1. 9"x9" VINYL FLOOR TILE MAY EXIST BELOW VINYL SHEET FLOORING IN AREAS SHOWN HATCHED



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

LEGEND - FLOORS

- ACM VINYL FLOOR TILES
- ACM VINYL SHEET FLOORING
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL -
237 BARTON ST. EAST, ASBESTOS
MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES
LEVEL 6
ACM ON FLOORS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE NAME: 030 RA-16 Floor Level
DRAWING No. 6 MM and IR HGH

RA-16A

MAIN BUILDING - LEVEL 6

SHEET SIZE = ARCH 'D' - 24" x 36" (MPEBML) - 610mm x 914mm (METRIC)

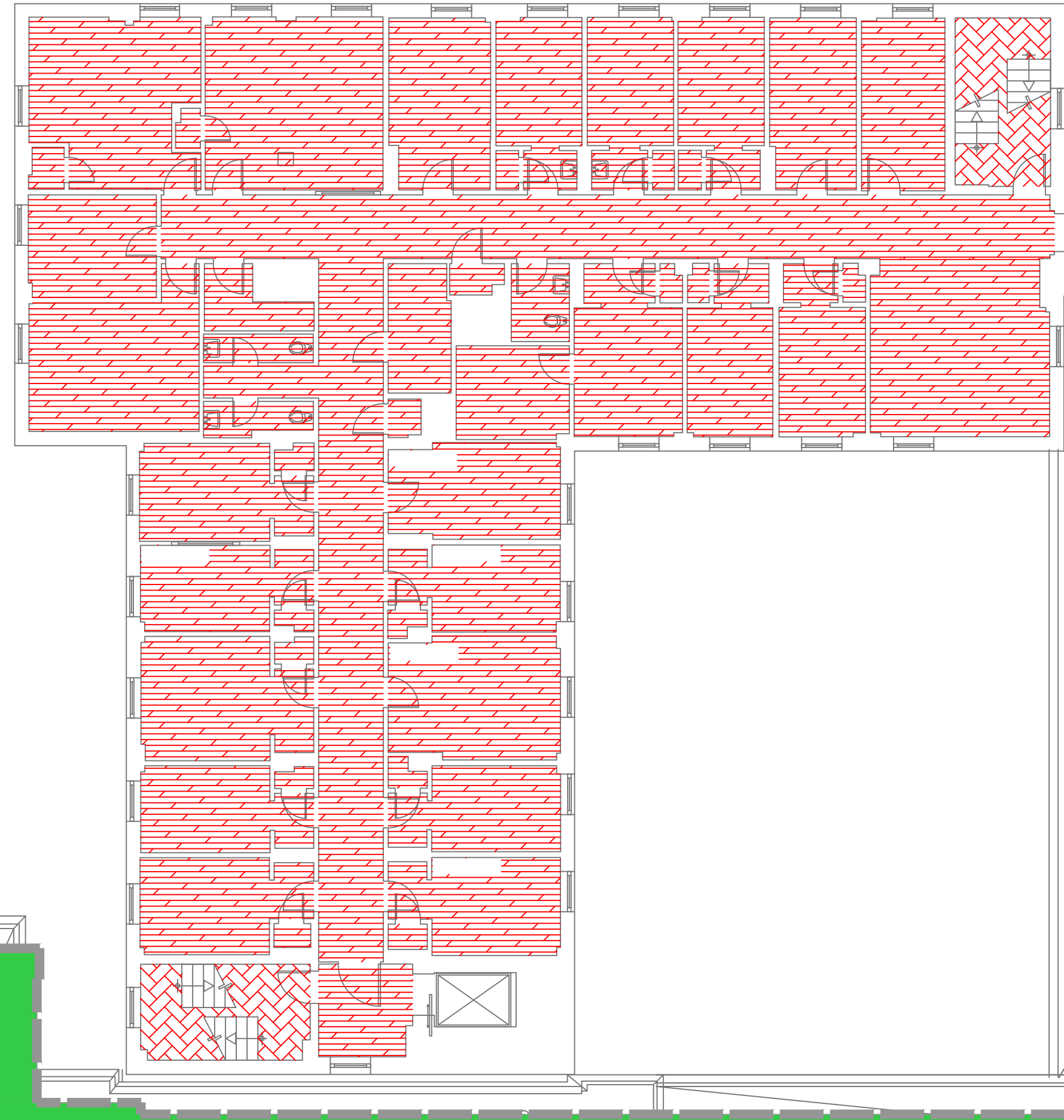
GENERAL NOTES:

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2. DRAWINGS SHALL BE READ IN CONJUNCTION WITH HHS ASBESTOS MANAGEMENT PLAN AND SURVEYS AVAILABLE ON THE HHS INTRANET, AND HARDCOPY IN THE SITE'S ENGINEERING DEPT.
3. AREAS WITHOUT A DESIGNATION OF ACM (ASBESTOS CONTAINING MATERIAL) SHALL BE TREATED AS ACM UNTIL PROVEN OTHERWISE.
4. PRIOR TO UNDERTAKING ANY REPAIR RENOVATION OR DEMOLITION, REVIEW THE AMP (ASBESTOS MANAGEMENT PLAN) AND SURVEY PRIOR TO COMMENCEMENT OF WORK.
5. IF YOU SUSPECT A MATERIAL TO BE ACM IN AN AREA SHOWN TO BE FREE OF ACM, CONTACT THE ASBESTOS COORDINATOR FOR CONSULTATION.

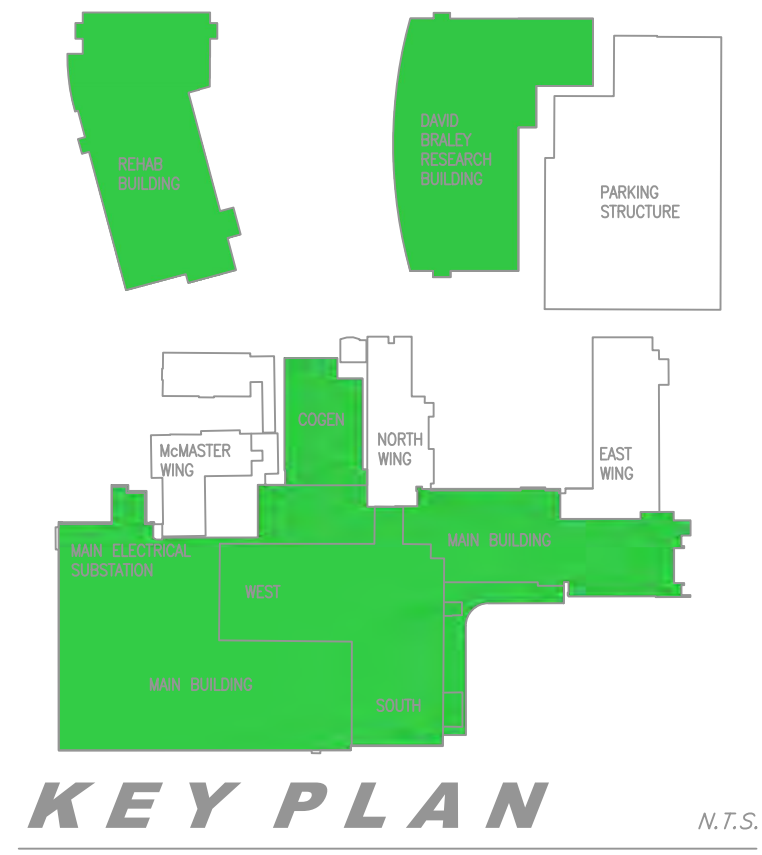
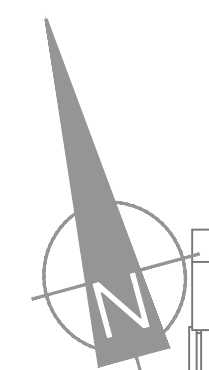
DRAWING NOTES:

1. MAJORITY OF WALLS ON THIS LEVEL ARE PLASTER WHICH IS NOT ASBESTOS CONTAINING. ONLY DRYWALL JOINT COMPOUND CONTAINS ASBESTOS.

McMASTER WING LEVEL 6



MAIN BUILDING - LEVEL 6



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
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8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

- LEGEND - WALLS**
- ACM DRYWALL JOINT COMPOUND ON WALLS
 - ACM PLASTER ON WALLS
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 6 ACM ON WALLS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE NAME: 030 RA-16 Floor Level
DRAWING No. 6 MM and IR HGH

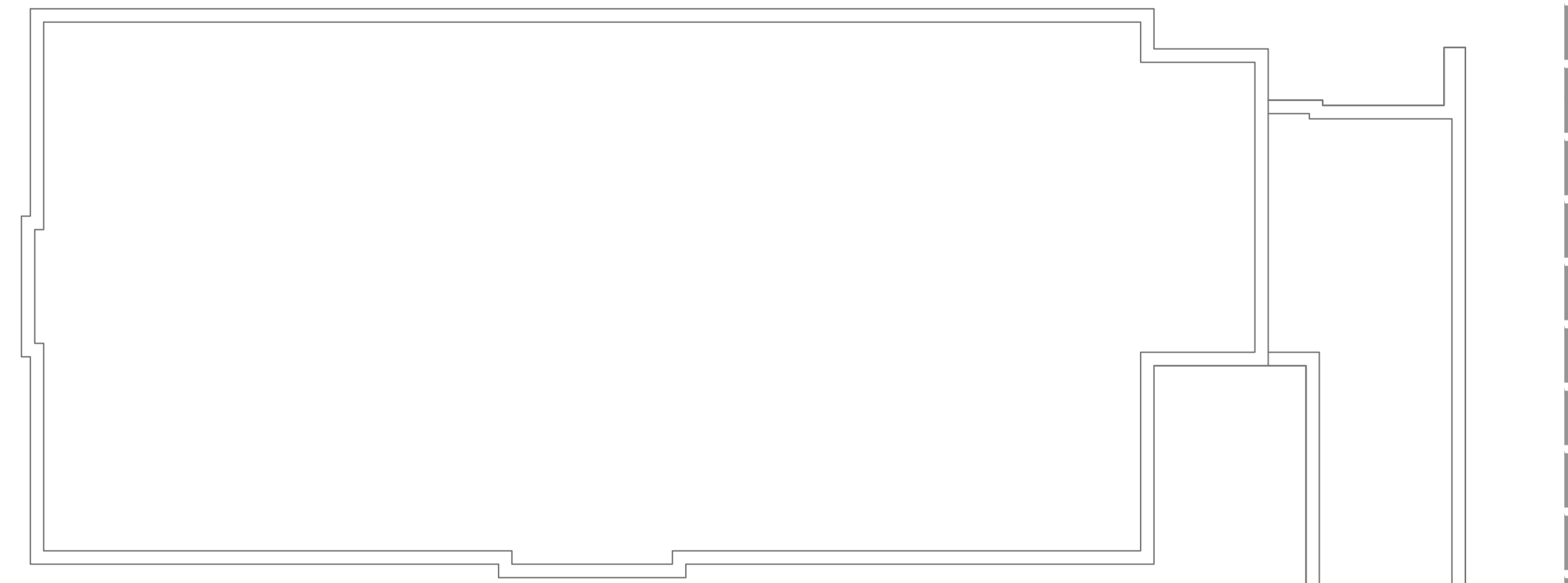
RA-16B

SHEET SIZE = ARCH D - 24" x 36" (MPEB4) = 610mm x 914mm (METER)

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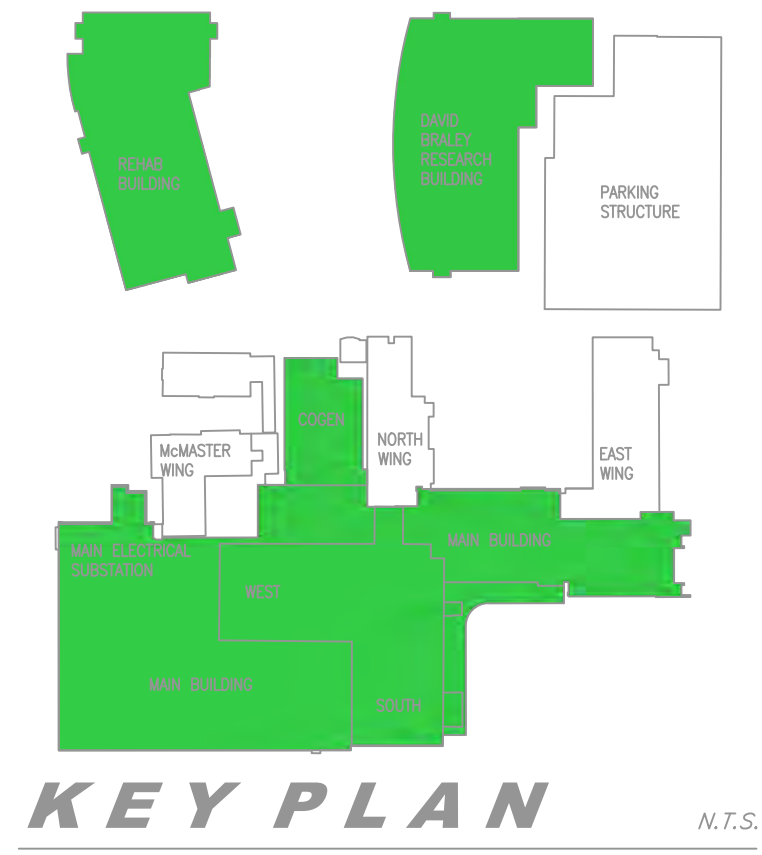
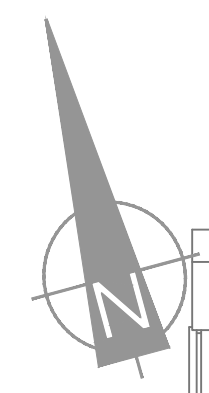
INTERNS' RESIDENCE LEVEL 6



McMASTER WING LEVEL 6



MAIN BUILDING - LEVEL 6



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
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6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

- LEGEND - CEILING
- ACM CEILING TILES
 - ACM DRYWALL JOINT COMPOUND ON CEILING
 - ACM PLASTER ON CEILINGS
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 6 ACM ON CEILINGS

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: 030 RA-16 Floor Level 6 MM and IR GH

RA-16C

SHEET SIZE = ARCH 'D' - 24" x 36" (MPEB4) - 610mm x 914mm (METER)

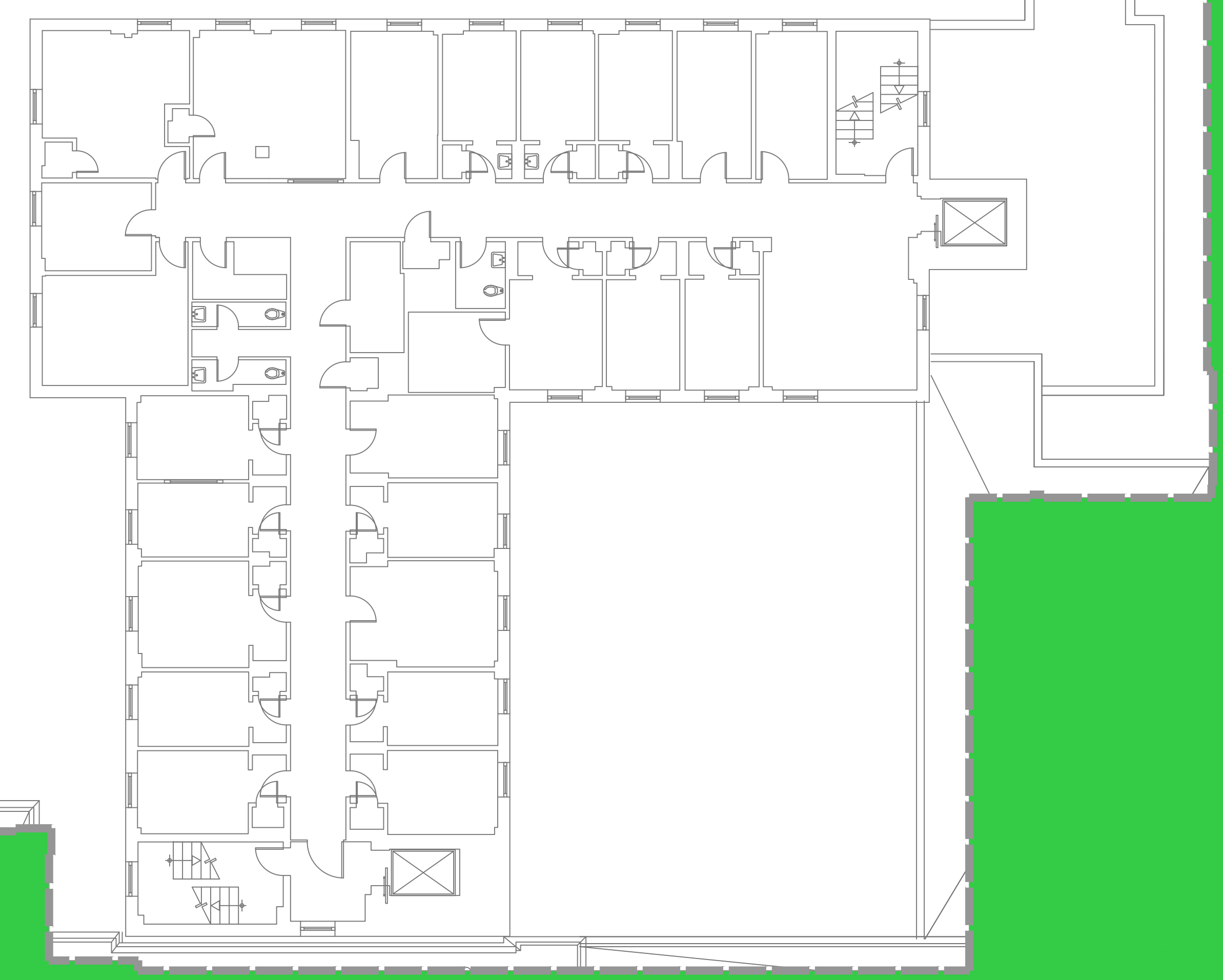
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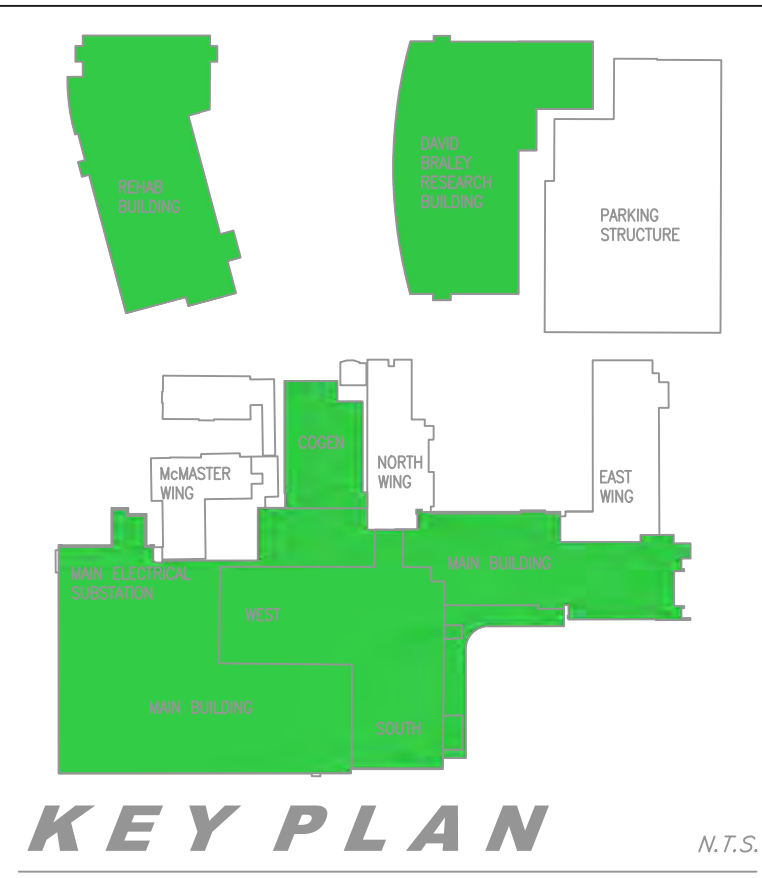
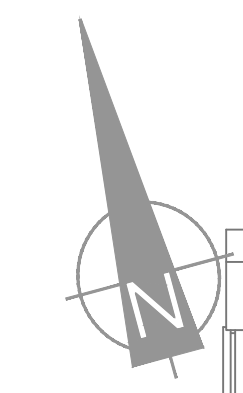
INTERNS' RESIDENCE LEVEL 6



McMASTER WING LEVEL 6



MAIN BUILDING - LEVEL 6



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
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7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
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10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

LEGEND - OTHER

PI	ACM PIPE INSULATION
DI	ACM DUCT INSULATION
MI	ACM MECHANICAL INSULATION
T1	TYPE 1 ENTRY
T2	TYPE 2 ENTRY
T3	TYPE 3 ENTRY
TF	ACM TEXTURE FINISH
FS	ACM FIRESTOPPING
T	TRANSITE
NAR	NO ACCESS TO ROOM/AREA

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 6 OTHER ACM

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: RA-16 Floor Level 6 MM and IR GH

RA-16D

SHEET SIZE = ARCH D - 24" x 36" (MPSHA) = 610mm x 914mm (METRIC)

GENERAL NOTES:

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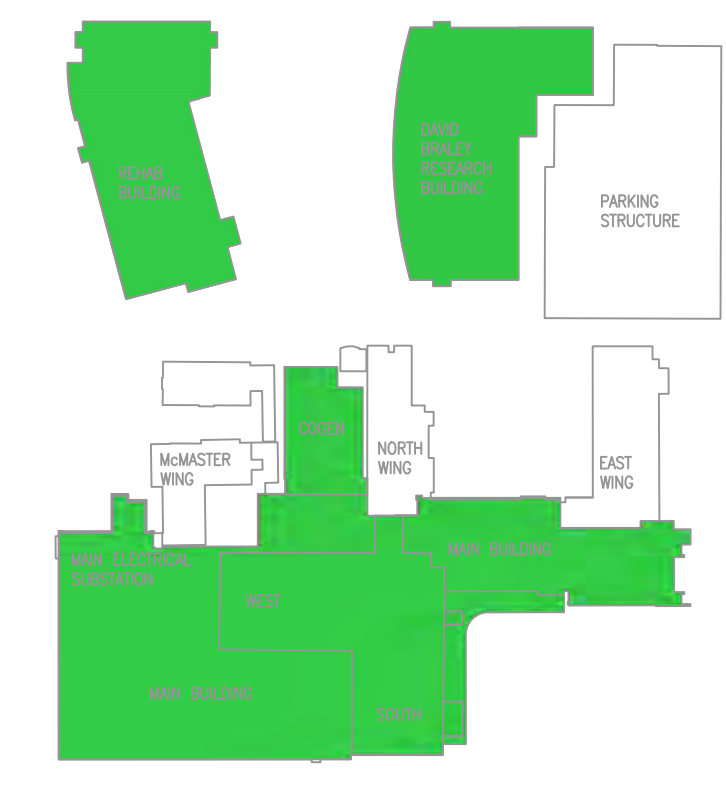
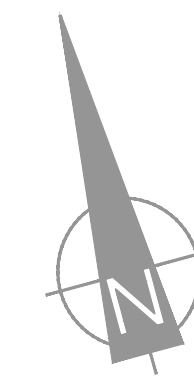
McMASTER WING LEVEL 7

DRAWING NOTES:

1. 9"x9" VINYL FLOOR TILE MAY EXIST BELOW VINYL SHEET FLOORING IN AREAS SHOWN HATCHED



MAIN BUILDING-LEVEL 7



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
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4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

- LEGEND - FLOORS
- ACM VINYL FLOOR TILES
 - ACM VINYL SHEET FLOORING
 - ACM ABATED AREA AS PER HHS RECORDS

**GENERAL
SITE**



PROJECT:
HAMILTON GENERAL HOSPITAL -
237 BARTON ST. EAST, ASBESTOS
MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES
LEVEL 7
ACM ON FLOORS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE NAME: 030 RA-17 Floor Level
DRAWING No. 7 MM and IR HGH

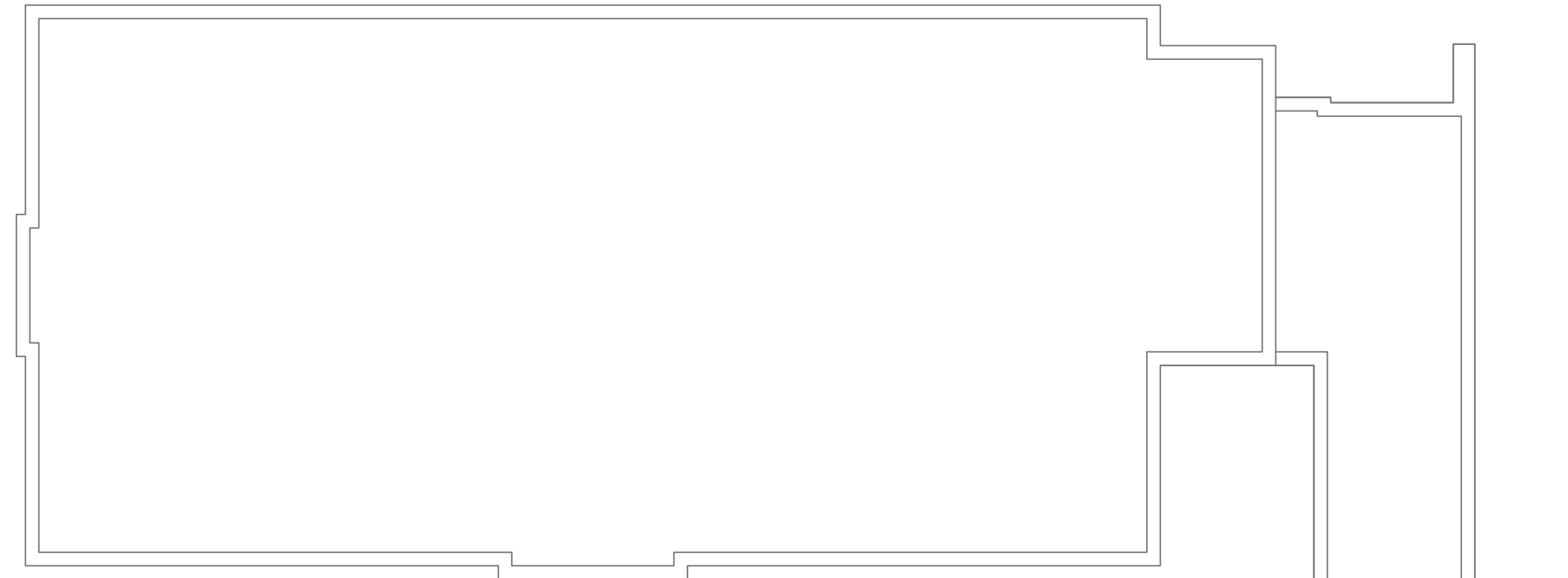
RA-17A

SHEET SIZE = ARCH D - 24" x 36" (METER) = 610mm x 914mm (METER)

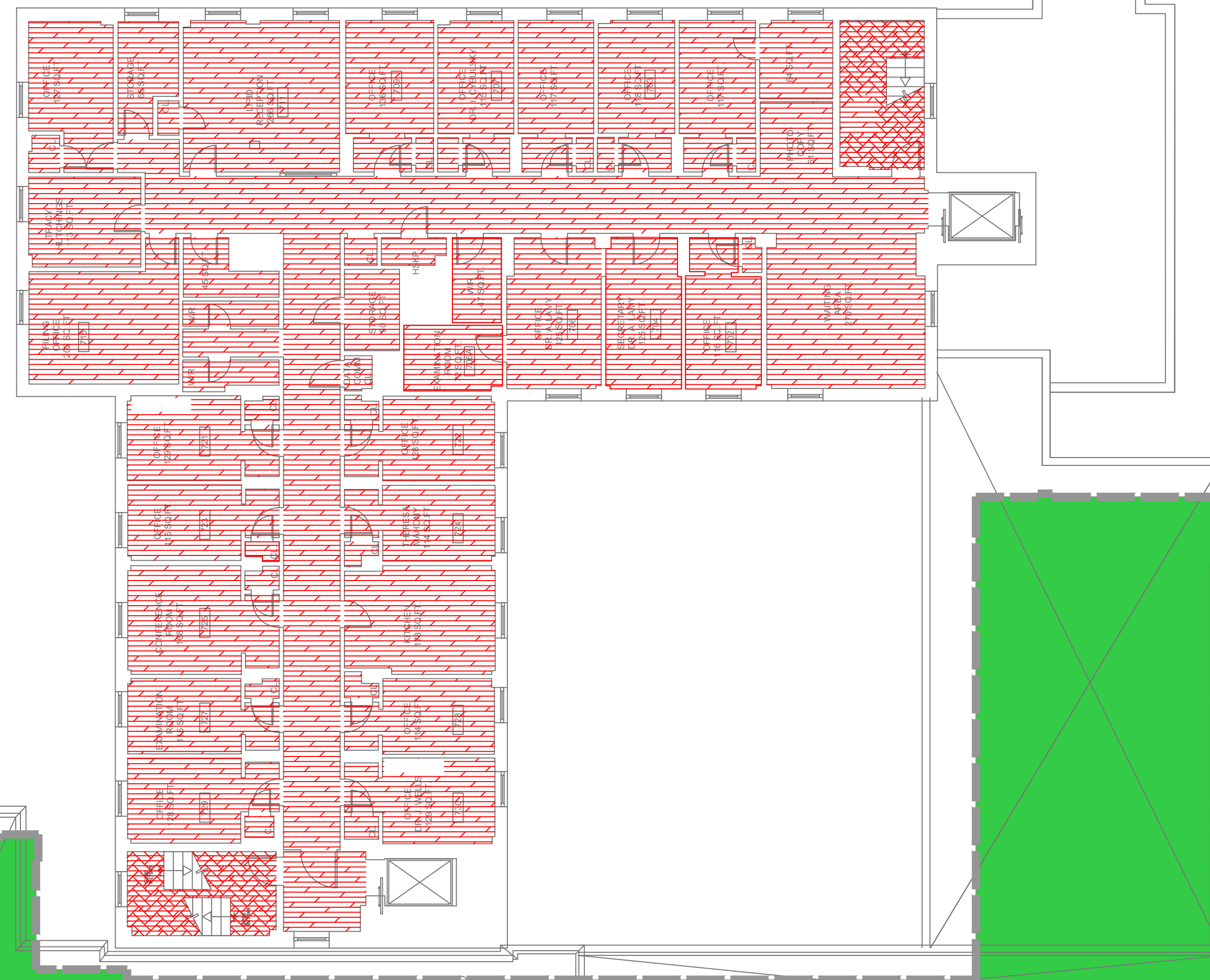
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6. ALL TESTING SHALL BE SHIPPED AND COMPLETED BY A THIRD PARTY

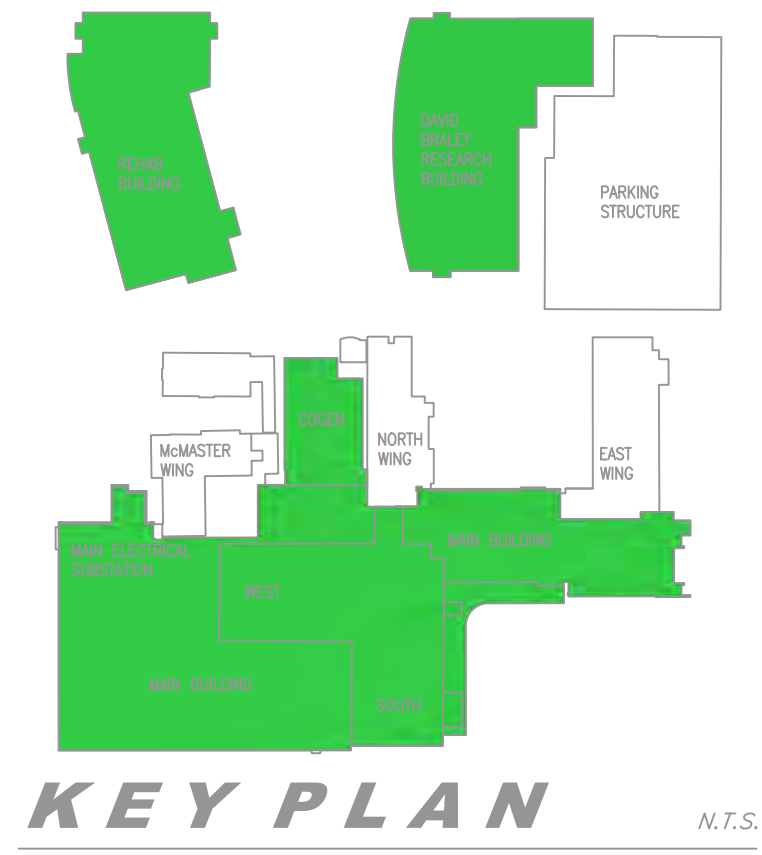
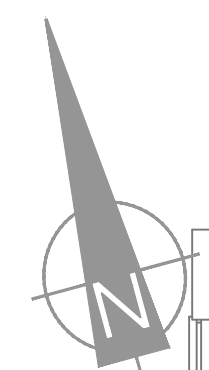
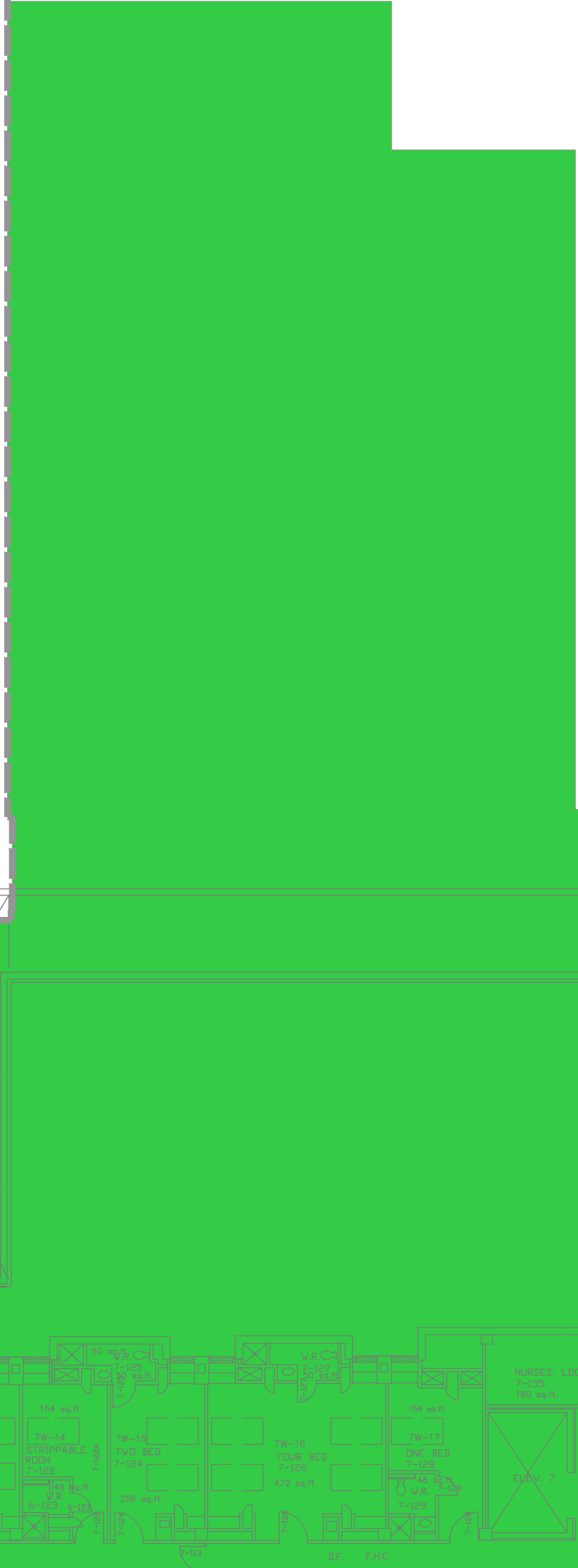
INTERNS' RESIDENCE LEVEL 7



McMASTER WING LEVEL 7



MAIN BUILDING - LEVEL 7



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
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11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

LEGEND - WALLS

- ACM DRYWALL JOINT COMPOUND ON WALLS
- ACM PLASTER ON WALLS
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 7
ACM ON WALLS

PLOT DATE: NOVEMBER 2018
SCALE: N.T.S.
DRAWN BY: JORDAN BOULOS

DEPARTMENT: HAZARDOUS MATERIALS
SUPERVISOR: MICHAEL MAIORANA
FILE NAME: 030 RA-17 Floor Level 7 MM and IR HGH

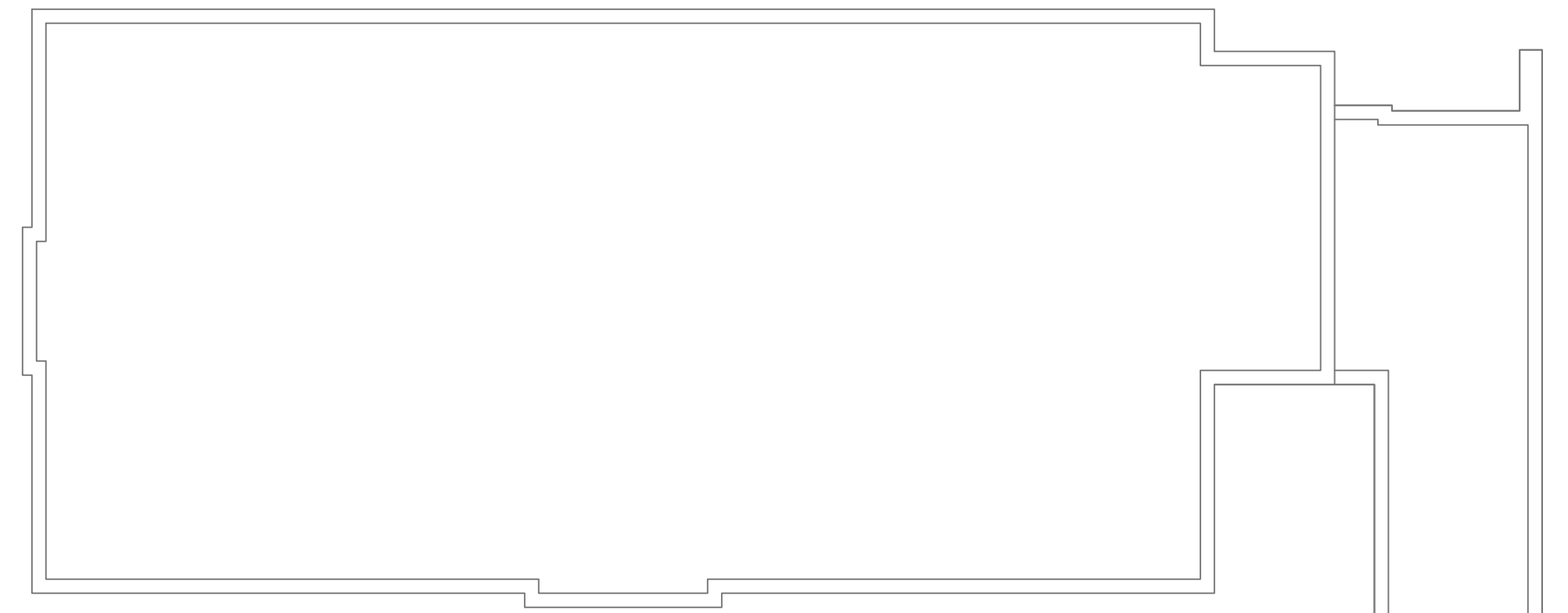
RA-17B

SHEET SIZE = ARCH D - 24" x 36" (METERS) = 610mm x 914mm (METERS)

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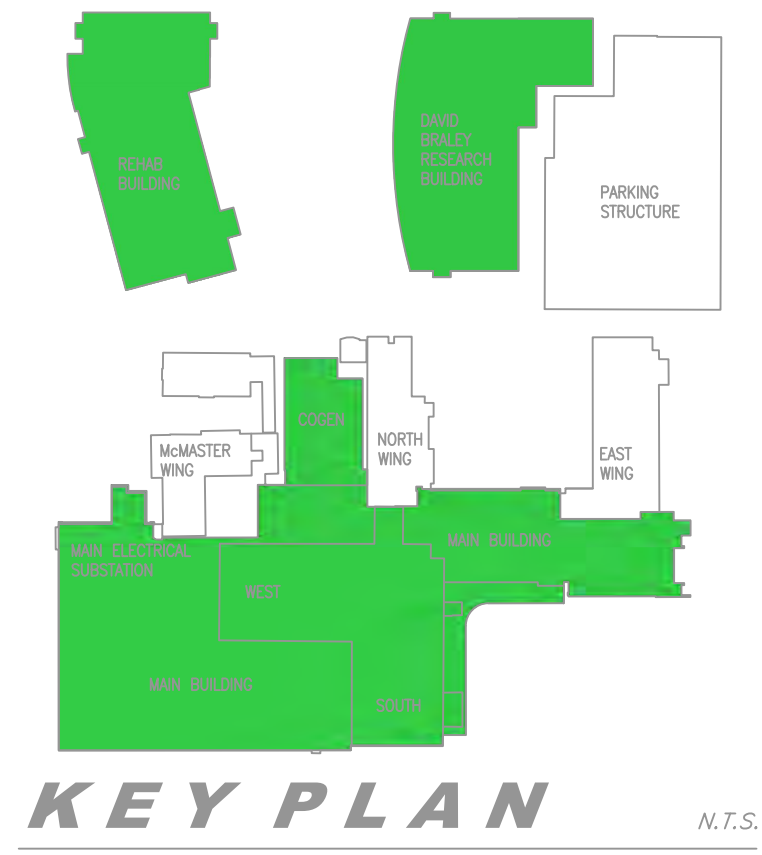
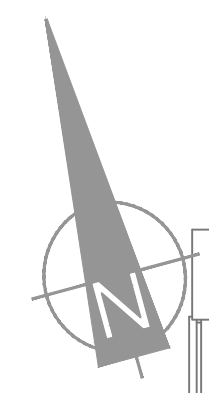
INTERNS' RESIDENCE LEVEL 7



McMASTER WING LEVEL 7



MAIN BUILDING - LEVEL 7



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
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7	7/1/2013		UPDATED	GS
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- LEGEND - CEILING
- ACM CEILING TILES
 - ACM DRYWALL JOINT COMPOUND ON CEILING
 - ACM PLASTER ON CEILINGS
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 7 ACM ON CEILINGS

PLOT DATE: NOVEMBER 2018
SCALE: N.T.S.
DRAWN BY: JORDAN BOULOS
DRAWING No.

DEPARTMENT: HAZARDOUS MATERIALS
SUPERVISOR: MICHAEL MAIORANA
FILE # 1906030 RA-17 Floor Level 7 MM and IR HGH

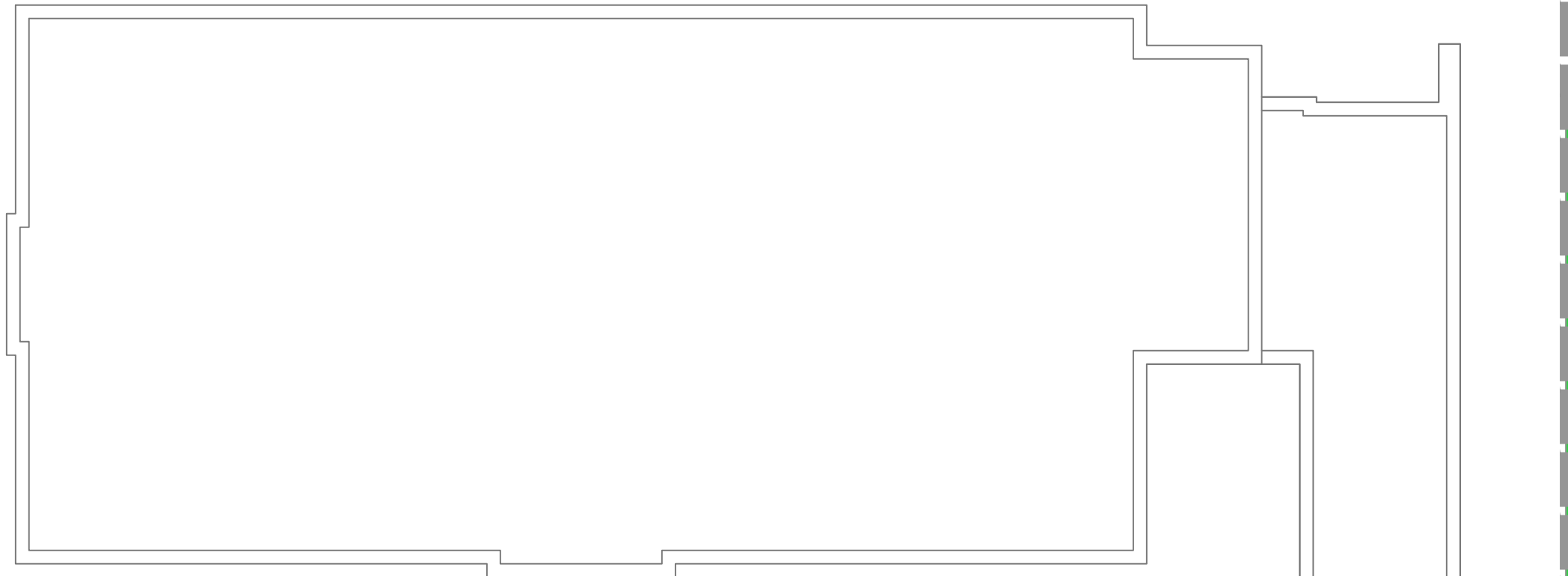
RA-17C

SHEET SIZE = ARCH D - 24" x 36" (METER) = 610mm x 914mm (METER)

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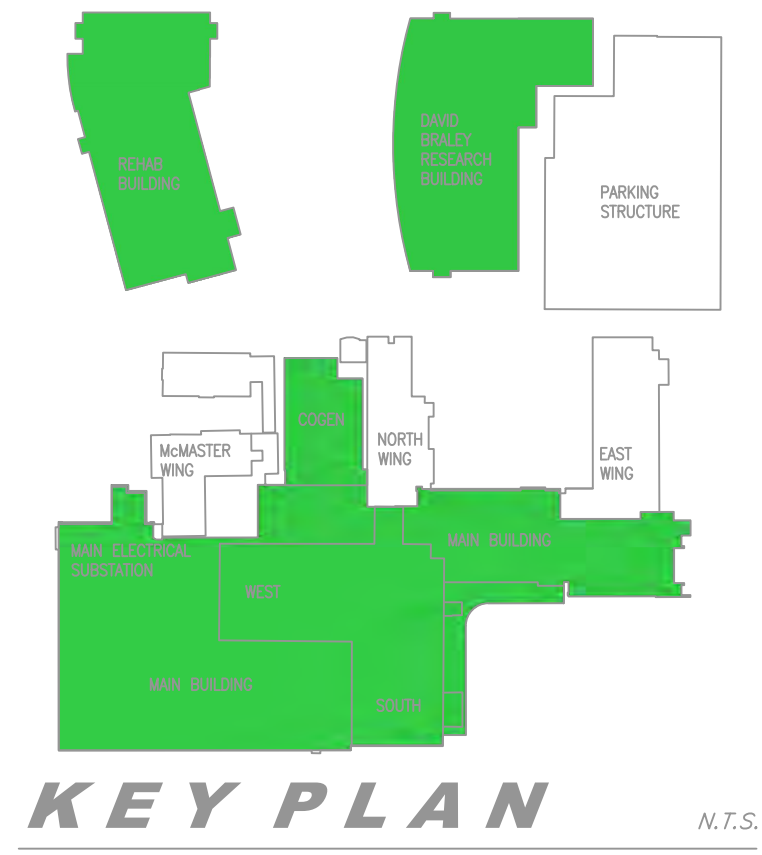
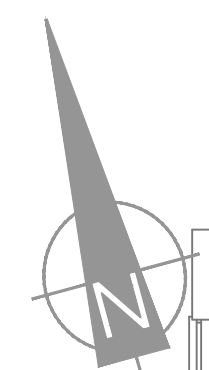
INTERNS' RESIDENCE LEVEL 7



McMASTER WING LEVEL 7



MAIN BUILDING - LEVEL 7



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
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7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - OTHER

PI	ACM PIPE INSULATION
DI	ACM DUCT INSULATION
MI	ACM MECHANICAL INSULATION
T1	TYPE 1 ENTRY
T2	TYPE 2 ENTRY
T3	TYPE 3 ENTRY
TF	ACM TEXTURE FINISH
FS	ACM FIRESTOPPING
T	TRANSITE
NAR	NO ACCESS TO ROOM/AREA

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 7 OTHER ACM

PLOT DATE:
NOVEMBER 2018

SCALE:
N.T.S.

DRAWN BY:
JORDAN BOULOS

DEPARTMENT:
HAZARDOUS MATERIALS

SUPERVISOR:
MICHAEL MAIORANA

FILE NAME:
RA-17D

7 MM and IR HIGH

RA-17D

SHEET SIZE = ARCH D - 24" x 36" (MPEB4) - 610mm x 914mm (MTRC)

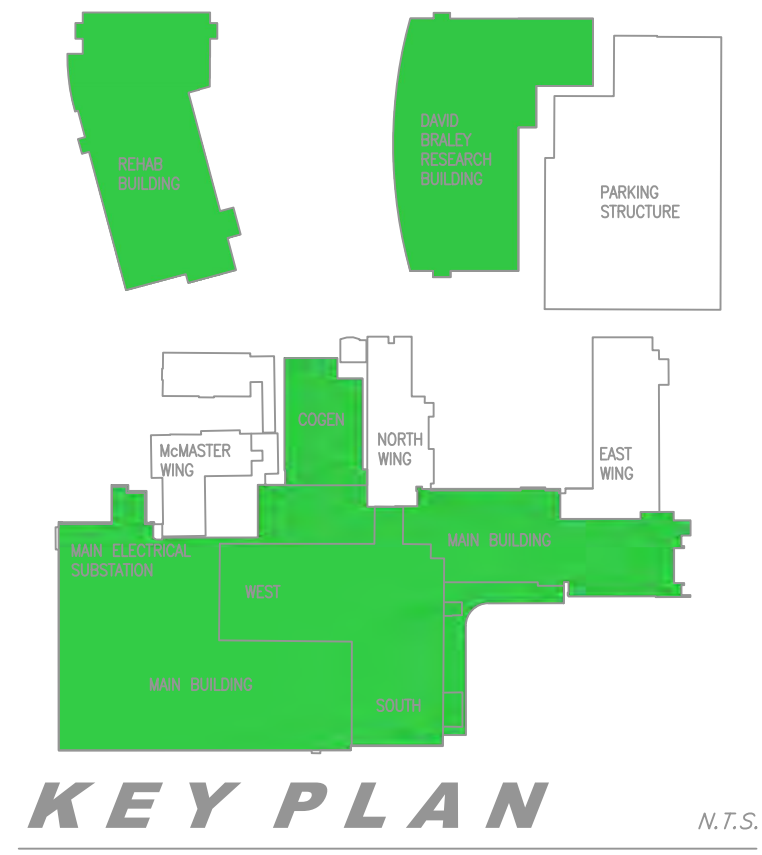
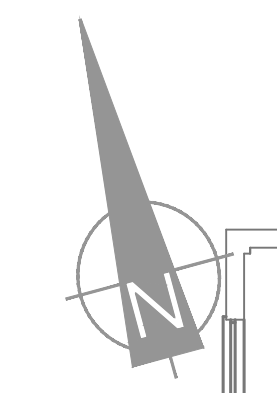
GENERAL NOTES:

1. DRAWINGS HAVE BEEN CONVERTED FROM A CONTRACTED SOURCE JANUARY 2013 AND WILL BE MAINTAINED BY HHS ENGINEERING STAFF.
2. DRAWINGS SHALL BE READ IN CONJUNCTION WITH HHS ASBESTOS MANAGEMENT PLAN AND SURVEYS AVAILABLE ON THE HHS INTRANET, AND HARDCOPY IN THE SITES ENGINEERING DEPT.
3. AREAS WITHOUT A DESIGNATION OF ACM (ASBESTOS CONTAINING MATERIAL) SHALL BE TREATED AS ACM UNTIL PROVEN OTHERWISE.
4. PRIOR TO UNDERTAKING ANY REPAIR RENOVATION OR DEMOLITION, REVIEW THE AMP (ASBESTOS MANAGEMENT PLAN) AND SURVEY PRIOR TO COMMENCEMENT OF WORK.
5. IF YOU SUSPECT A MATERIAL TO BE ACM IN AN AREA SHOWN TO BE FREE OF ACM, CONTACT THE ASBESTOS COORDINATOR FOR CONSULTATION.
6. ALL TESTING SHALL BE SHIPPED AND COMPLETED BY A THIRD PARTY

INTERNS' RESIDENCE LEVEL 8

McMASTER WING LEVEL 8

MAIN BUILDING - LEVEL 8



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

LEGEND - FLOORS

- ACM VINYL FLOOR TILES
- ACM VINYL SHEET FLOORING
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 8 ACM ON FLOORS

PLOT DATE: NOVEMBER 2018 DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S. SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS FILE NAME: 030 RA-18 Floor Level
DRAWING No. 8 MM and IR GHG

RA-18A

SHEET SIZE = ARCH 'D' - 24" x 36" (METER) = 610mm x 914mm (METER)

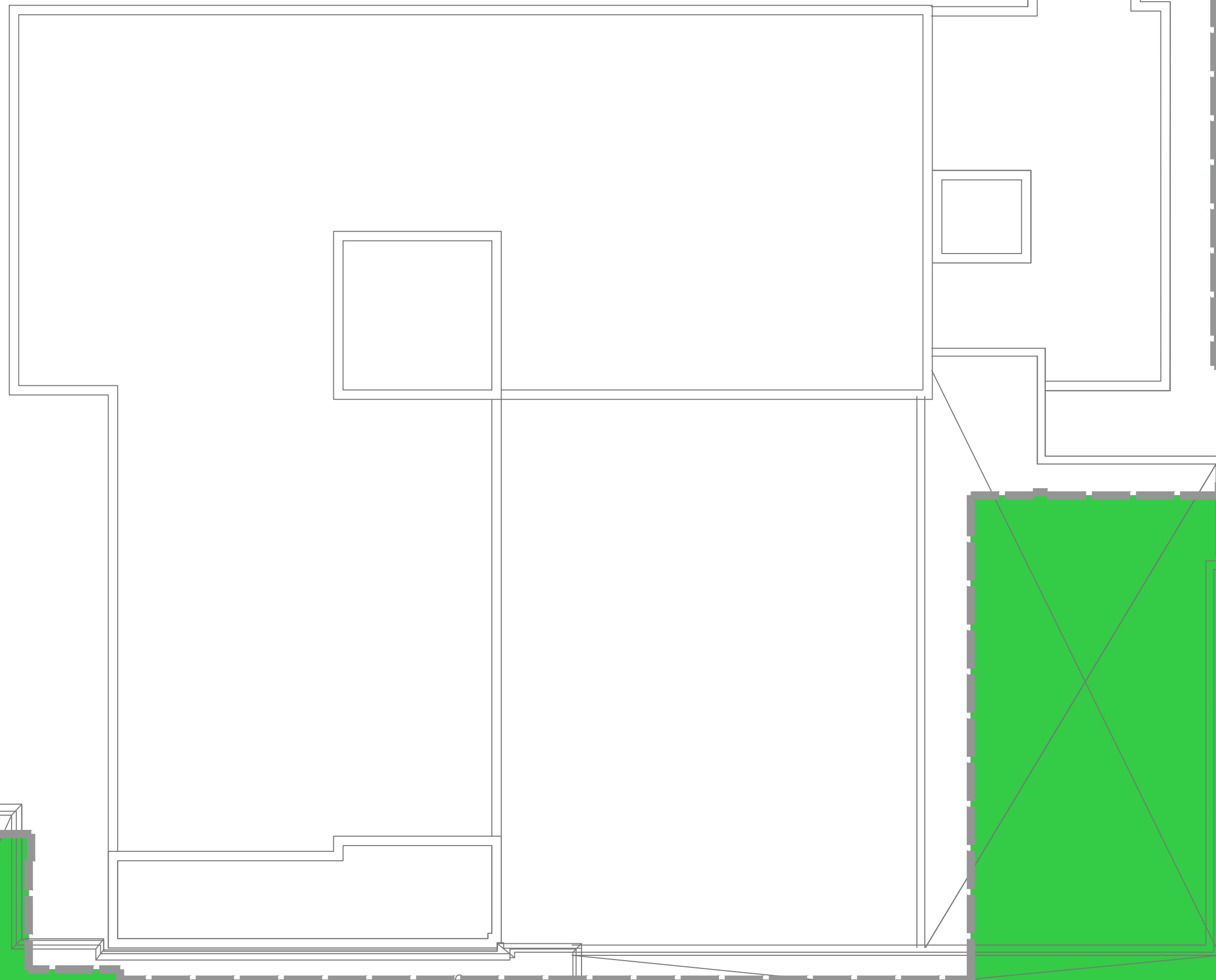
GENERAL NOTES:

1. DRAWINGS HAVE BEEN CONVERTED FROM A CONTRACTED SOURCE JANUARY 2013 AND WILL BE MAINTAINED BY HHS ENGINEERING STAFF.
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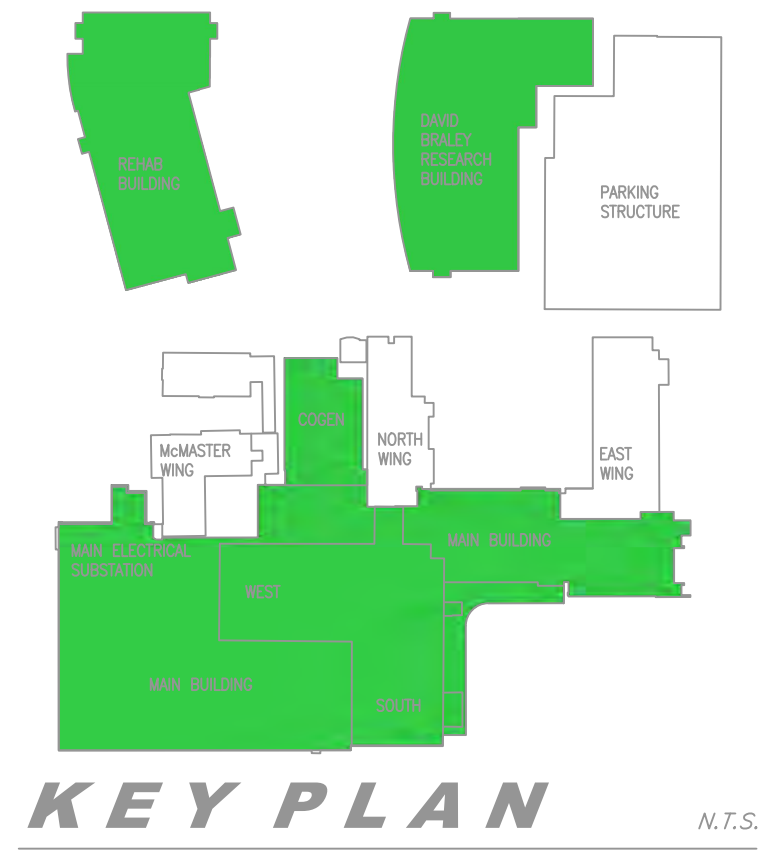
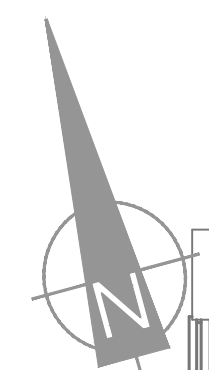
INTERNS' RESIDENCE LEVEL 8



McMASTER WING LEVEL 8



MAIN BUILDING - LEVEL 8



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

LEGEND - WALLS

- ACM DRYWALL JOINT COMPOUND ON WALLS
- ACM PLASTER ON WALLS
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

- BN-09 150 sq.ft.
- BN-10 173 sq.ft.
- BN-11 200 sq.ft.
- BN-12 190 sq.ft.
- CHARTING ROOM 130 sq.ft.
- NURSES STATION 153 sq.ft.
- BN-15 DRESSING 132 sq.ft.
- KITCHEN 134 sq.ft.
- UTILITY 83 sq.ft.
- BN-16 146 sq.ft.
- BN-17 151 sq.ft.
- BN-18 150 sq.ft.
- BN-19 158 sq.ft.

GENERAL SITE

Hamilton Health Sciences
FACILITIES MANAGEMENT

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 8
ACM ON WALLS

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: 030 RA-18 Floor Level 8_MM and IR_HGH

RA-18B

SHEET SIZE = ARCH D - 24" x 36" (METER) = 610mm x 914mm (METER)

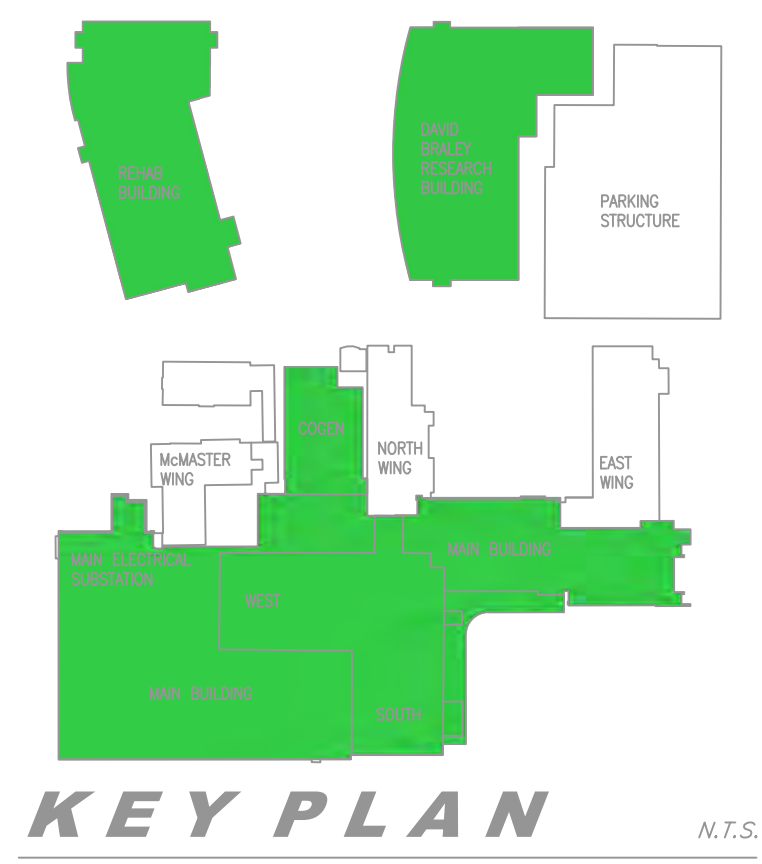
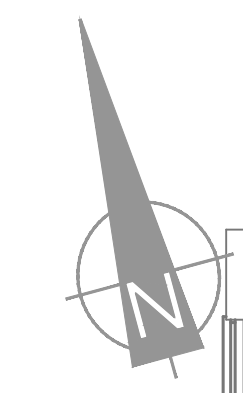
GENERAL NOTES:

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INTERNS' RESIDENCE LEVEL 8

McMASTER WING LEVEL 8

MAIN BUILDING - LEVEL 8



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED BY PINCHIN LIMITED	JB

LEGEND - CEILING

	ACM CEILING TILES
	ACM DRYWALL JOINT COMPOUND ON CEILING
	ACM PLASTER ON CEILINGS
	NO ACM PRESENT
	ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 8 ACM ON CEILINGS

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE NAME: RA-18C_030 RA-18 Floor Level 8_MM and IR_HGH
DRAWING No.	

RA-18C

SHEET SIZE = ARCH D - 24" x 36" (METER) = 610mm x 914mm (METER)

GENERAL NOTES:


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- ALL TESTING SHALL BE SHIPPED AND COMPLETED BY A THIRD PARTY

INTERNS' RESIDENCE LEVEL 8

McMASTER WING LEVEL 8

MAIN BUILDING - LEVEL 8

KEY PLAN



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK
11	11/1/2018		UPDATED by PINCHIN LIMITED	JB

LEGEND - OTHER

PI	ACM PIPE INSULATION
DI	ACM DUCT INSULATION
MI	ACM MECHANICAL INSULATION
T1	TYPE 1 ENTRY
T2	TYPE 2 ENTRY
T3	TYPE 3 ENTRY
TF	ACM TEXTURE FINISH
FS	ACM FIRESTOPPING
T	TRANSITE
NAR	NO ACCESS TO ROOM/AREA

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERNS RES LEVEL 8 OTHER ACM

PLOT DATE: NOVEMBER 2018	DEPARTMENT: HAZARDOUS MATERIALS
SCALE: N.T.S.	SUPERVISOR: MICHAEL MAIORANA
DRAWN BY: JORDAN BOULOS	FILE #: 030 RA-18 Floor Level 8 MM and IR GH
DRAWING No.	

RA-18D

SHEET SIZE = ARCH D - 24" x 36" (METERS) = 610mm x 914mm (METERS)

APPENDIX II
Asbestos Analytical Certificates



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences
General Hospital, 237 Barton St E, Hamilton

Project No.: 46653.007

Lab Reference No.: b54510

Analyst(s): A. Di Giulio

Date Received: August 1, 2008

Date Analyzed: August 6, 2008

Samples submitted: 18

Phases analyzed: 25

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. The percentage range category reported reflects the level of uncertainty of the method for estimating quantities of asbestos in bulk samples. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with all provincial regulatory requirements (NIOSH 9002, I.R.S.S.T. 244-2). Multiple phases within a sample are analyzed separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	Unstated, likely 1.0%
Alberta, British Columbia, NWT, Yukon, Nunavut	1.0%	Atlantic Provinces (NL, NS, PEI, NB)	1.0%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Environmental Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0 and 200795-0) for selected test methods for the identification of asbestos in bulk samples and meets all requirements of ISO/IEC 17025:1999 and relevant requirements of ISO 9002:1994.

NOTE: This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst and the laboratory manager.

2470 MILLTOWER CRT., MISSISSAUGA, ON L5N 7W5 P:(905) 363-0678 F:(905) 363-0681
515 LEGGET DR., SUITE 200, KANATA, ON K2K 3G4 P:(613)592-3387 F:(613)592-5897
MISSISSAUGA • OTTAWA • AJAX • HAMILTON • WATERLOO • SARNIA • WINNIPEG



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences
 General Hospital, 237 Barton St E, Hamilton
Project No.: 46653.007
Prepared For: Rob Wagner, CET

Lab Reference No.: b54510
Date Analyzed: August 6, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S001a Parking Garage, Drywall, Corridor	Homogeneous, off-white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S001b Parking Garage, Drywall, Corridor	Homogeneous, off-white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S001c Parking Garage, Drywall, Corridor	Homogeneous, off-white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S002a Parking Garage, Plaster, Wall, East Storage Room	2 Phases: a) Homogeneous, grey, hard, cementitious material.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
S002b Parking Garage, Plaster, Wall, Storage Room	2 Phases: a) Homogeneous, grey, hard, cementitious material.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
S002c Parking Garage, Plaster, Wall, Storage Room	2 Phases: a) Homogeneous, grey, hard, cementitious material.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%

ANALYST: J. DiGiulio



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences
 General Hospital, 237 Barton St E, Hamilton
Project No.: 46653.007
Prepared For: Rob Wagner, CET

Lab Reference No.: b54510
Date Analyzed: August 6, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S003a Parking, Plaster, Wall, Garbage Room	2 Phases: a) Homogeneous, grey, hard, cementitious material.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
S003b Parking, Plaster, Wall, Garbage Room	2 Phases: a) Homogeneous, grey, hard, cementitious material.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
S003c Parking, Plaster, Wall, Garbage Room	2 Phases: a) Homogeneous, grey, hard, cementitious material.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%

ANALYST: Ch. DiGilio



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences
 General Hospital, 237 Barton St E, Hamilton
Project No.: 46653.007
Prepared For: Rob Wagner, CET

Lab Reference No.: b54510
Date Analyzed: August 6, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S004a Parking, 12" Vinyl Floor Tiles, White with Black Line Pattern, Corridor	a) Homogeneous, white, consolidated material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
	b) Homogeneous, yellow, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
Comments:	Vinyl floor tiles may contain very fine asbestos fibres which are not visible using the PLM method, therefore the estimated percentage of asbestos in this sample should be treated as a minimum value only.		
S004b Parking, 12" Vinyl Floor Tiles, White with Black Line Pattern, Corridor	a) Homogeneous, white, consolidated material.		Not Analyzed
	b) Homogeneous, yellow, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.		

ANALYST: J. DiGiulio



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences
General Hospital, 237 Barton St E, Hamilton
Project No.: 46653.007
Prepared For: Rob Wagner, CET

Lab Reference No.: b54510
Date Analyzed: August 6, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S004c Parking, 12" Vinyl Floor Tiles, White with Black Line Pattern, Corridor	2 Phases: a) Homogeneous, white, consolidated material. b) Homogeneous, yellow, soft, sticky material on the back of vinyl floor tile.	None Detected	Not Analyzed Non-Fibrous Material > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.		
S005a Parking, 12" Vinyl Floor Tiles, Orange, Corridor	2 Phases: a) Homogeneous, orange, consolidated material. b) Homogeneous, yellow, soft, sticky material on the back of vinyl floor tile.	Chrysotile 0.5-5% None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75%
Comments:	Vinyl floor tiles may contain very fine asbestos fibres which are not visible using the PLM method, therefore the estimated percentage of asbestos in this sample should be treated as a minimum value only.		
S005b Parking, 12" Vinyl Floor Tiles, Orange, Corridor	2 Phases: a) Homogeneous, orange, consolidated material. b) Homogeneous, yellow, soft, sticky material on the back of vinyl floor tile.	None Detected	Not Analyzed Non-Fibrous Material > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.		

ANALYST: J. DiGiulio



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences
 General Hospital, 237 Barton St E, Hamilton
Project No.: 46653.007
Prepared For: Rob Wagner, CET

Lab Reference No.: b54510
Date Analyzed: August 6, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S005c Parking, 12" Vinyl Floor Tiles, Orange, Corridor	2 Phases: a) Homogeneous, orange, consolidated material. b) Homogeneous, yellow, soft, sticky material on the back of vinyl floor tile.	None Detected	Not Analyzed Non-Fibrous Material > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.		
S006a East Wing, Drywall, Wall, Bsmt-Electric Room	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S006b East Wing, Drywall, Wall, Bsmt-Electric Room	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S006c East Wing, Drywall, Wall, Bsmt-Electric Room	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%

ANALYST: J. DiGiulio



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences
General Hospital, 237 Barton St E, Hamilton

Project No.: 46653.007

Lab Reference No.: b54511

Analyst(s): A. Wells

Date Received: August 1, 2008

Date Analyzed: August 6, 2008

Samples submitted: 18

Phases analyzed: 23

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. The percentage range category reported reflects the level of uncertainty of the method for estimating quantities of asbestos in bulk samples. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with all provincial regulatory requirements (NIOSH 9002, I.R.S.S.T. 244-2). Multiple phases within a sample are analyzed separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
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All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

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Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences
 General Hospital, 237 Barton St E, Hamilton
Project No.: 46653.007
Prepared For: Rob Wagner

Lab Reference No.: b54511
Date Analyzed: August 6, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
007A East Wing, Bsmt, Cementitious Fireproofing	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 10-25% Glass Fibres 5-10% Vermiculite 25-50% Other Non-Fibrous 25-50%
007B East Wing, Bsmt, Cementitious Fireproofing	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 10-25% Glass Fibres 5-10% Vermiculite 25-50% Other Non-Fibrous 25-50%
007C East Wing, Bsmt, Cementitious Fireproofing	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 10-25% Glass Fibres 5-10% Vermiculite 25-50% Other Non-Fibrous 25-50%
007D East Wing, Bsmt, Cementitious Fireproofing	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 10-25% Glass Fibres 5-10% Vermiculite 25-50% Other Non-Fibrous 25-50%
007E East Wing, Bsmt, Cementitious Fireproofing	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 10-25% Glass Fibres 5-10% Vermiculite 25-50% Other Non-Fibrous 25-50%
007F East Wing, Bsmt, Cementitious Fireproofing	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 10-25% Glass Fibres 5-10% Vermiculite 25-50% Other Non-Fibrous 25-50%

ANALYST: 



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences
 General Hospital, 237 Barton St E, Hamilton
Project No.: 46653.007
Prepared For: Rob Wagner

Lab Reference No.: b54511
Date Analyzed: August 6, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
007G East Wing, Bsmt, Cementitious Fireproofing	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 10-25% Glass Fibres 5-10% Vermiculite 25-50% Other Non-Fibrous 25-50%
008A East Wing, Plaster, Ceiling, Stairwell	a) Homogeneous, grey, hard, cementitious material.	Chrysotile < 0.5%	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
008B East Wing, Plaster, Ceiling, Stairwell	a) Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
008C East Wing, Plaster, Wall, Stairwell	a) Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%

ANALYST: 




**Pinchin Environmental Asbestos Laboratory
Certificate of Analysis**

Project Name: Hamilton Health Sciences
General Hospital, 237 Barton St E, Hamilton
Project No.: 46653.007
Prepared For: Rob Wagner
Lab Reference No.: b54511
Date Analyzed: August 6, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
008D East Wing, Plaster, Wall, Stairwell	2 Phases: a) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
008E East Wing, Plaster, Wall, Stairwell	2 Phases: a) Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
009A East Wing, Cementitious Fireproofing, South Shaft	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 10-25% Glass Fibres 5-10% Vermiculite 25-50% Other Non-Fibrous 25-50%
009B East Wing, Cementitious Fireproofing, South Shaft	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 10-25% Glass Fibres 5-10% Vermiculite 25-50% Other Non-Fibrous 25-50%
009C East Wing, Cementitious Fireproofing, South Shaft	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 10-25% Glass Fibres 5-10% Vermiculite 25-50% Other Non-Fibrous 25-50%

ANALYST: 



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences
General Hospital, 237 Barton St E, Hamilton
Project No.: 46653.007
Prepared For: Rob Wagner

Lab Reference No.: b54511
Date Analyzed: August 6, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
010A East Wing -Level 2, Drywall, Wall	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
010B East Wing -Level 2, Drywall, Wall	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
010C East Wing -Level 2, Drywall, Wall	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%

ANALYST: 



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name:	Hamilton Health Sciences – General Hospital, 237 Barton St E, Hamilton		
Project No.:	46653.007		
Lab Reference No.:	b54512	Date Received:	August 1, 2008
Analyst(s):	L. DeCurtis	Date Analyzed:	August 6, 2008
		# Samples submitted:	24
		# Phases analyzed:	26

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. The percentage range category reported reflects the level of uncertainty of the method for estimating quantities of asbestos in bulk samples. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with all provincial regulatory requirements (NIOSH 9002, I.R.S.S.T. 244-2). Multiple phases within a sample are analyzed separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	Unstated, likely 1.0%
Alberta, British Columbia, NWT, Yukon, Nunavut	1.0%	Atlantic Provinces (NL, NS, PEI, NB)	1.0%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Environmental Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0 and 200795-0) for selected test methods for the identification of asbestos in bulk samples and meets all requirements of ISO/IEC 17025:1999 and relevant requirements of ISO 9002:1994.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst and the laboratory manager.*



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences – General Hospital, 237 Barton St E, Hamilton
Project No.: 46653.007
Prepared For: Rob Wagner

Lab Reference No.: b54512
Date Analyzed: August 6, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S011A East Wing -Level 2, Plaster, Wall	2 Phases: a) Homogeneous, beige, hard, cementitious material.	None Detected	Vermiculite 10-25% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
Comments:	Phase a) is small in size. For more reliable results, a larger sample is required. Another phase is present but there was insufficient material submitted to analyze.		
S011B East Wing -Level 2, Plaster, Wall	Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
S011C East Wing -Level 3, Plaster, Wall	2 Phases: a) Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
S011D East Wing -Level 3, Plaster, Wall	2 Phases: a) Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%

ANALYST: Liz D. Cwrtz



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences – General Hospital, 237 Barton St E, Hamilton
 Project No.: 46653.007
 Prepared For: Rob Wagner

Lab Reference No.: b54512
 Date Analyzed: August 6, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S011E East Wing -Level 3, Plaster, Wall	2 Phases: a) Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
S011F East Wing -Level 3, Plaster, Ceiling, Electrical Room	2 Phases: a) Homogeneous, beige, hard, cementitious material.	None Detected	Cellulose 5-10% Vermiculite 5-10% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
Comments:	Phase a) is small in size. For more reliable results, a larger sample is required.		
S011G East Wing -Level 3, Plaster, Ceiling, Electrical Room	2 Phases: a) Homogeneous, beige, hard, cementitious material.	None Detected	Cellulose 5-10% Vermiculite 5-10% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
Comments:	Phase a) is small in size. For more reliable results, a larger sample is required.		
S012A East Wing -Level 3, Fibrous Fireproofing	Homogeneous, grey, fibrous material.	Chrysotile 10-25%	Cellulose 5-10% Mineral Wool 50-75% Non-Fibrous Material 10-25%

ANALYST: *L. J. DeCristo*



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences – General Hospital, 237 Barton St E, Hamilton
Project No.: 46653.007
Prepared For: Rob Wagner

Lab Reference No.: b54512
Date Analyzed: August 6, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S012B East Wing -Level 3, Fibrous Fireproofing			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S012C East Wing -Level 3, Fibrous Fireproofing			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S012D East Wing -Level 3, Fibrous Fireproofing			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S012E East Wing -Level 3, Fibrous Fireproofing			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S012F East Wing -Level 3, Fibrous Fireproofing			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S012G East Wing -Level 3, Fibrous Fireproofing			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S013A East Wing -Penthouse, Aircell, South Fittings	Homogeneous, grey, soft, cementitious material.	Chrysotile > 75%	Vermiculite 0.5-5% Other Non-Fibrous > 75%
S014A Intern's Residence, Plaster, Wall, Stairwell	Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%

ANALYST: *L. DeCurtis*



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences – General Hospital, 237 Barton St E, Hamilton
Project No.: 46653.007
Prepared For: Rob Wagner

Lab Reference No.: b54512
Date Analyzed: August 6, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S014B Intern's Residence, Plaster, Wall, Stairwell	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S014C Intern's Residence, Plaster, Wall, Stairwell	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S014D Intern's Residence, Plaster, Wall, Stairwell	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S014E Intern's Residence, Plaster, Wall, Stairwell	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S015A Nurse's Residence, Drywall, Wall, Corridor	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S015B Nurse's Residence, Drywall, Wall, Corridor	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S015C Nurse's Residence, Drywall, Wall, Corridor	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S016A H.I.U., Exterior, Cement Panels	Homogeneous, off-white, hard, cementitious material.	None Detected	Cellulose 25-50% Non-Fibrous Material 50-75%
S016B H.I.U., Exterior, Cement Panels	Homogeneous, off-white, hard, cementitious material.	None Detected	Cellulose 25-50% Non-Fibrous Material 50-75%
S016C H.I.U., Exterior, Cement Panels	Homogeneous, off-white, hard, cementitious material.	None Detected	Cellulose 25-50% Non-Fibrous Material 50-75%

ANALYST: Ly DeCurtis



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name:	Hamilton Health Sciences		
	General Hospital 237 Barton St E, Hamilton McMaster Wing		
Project No.:	46653.007		
Lab Reference No.:	b54869	Date Received:	August 18, 2008
Analyst(s):	A. Wells	Date Analyzed:	August 20, 2008
		# Samples submitted:	25
		# Phases analyzed:	22

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. The percentage range category reported reflects the level of uncertainty of the method for estimating quantities of asbestos in bulk samples. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with all provincial regulatory requirements (NIOSH 9002, I.R.S.S.T. 244-2). Multiple phases within a sample are analyzed separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	Unstated, likely 1.0%
Alberta, British Columbia, NWT, Yukon, Nunavut	1.0%	Atlantic Provinces (NL, NS, PEI, NB)	1.0%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Environmental Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0 and 200795-0) for selected test methods for the identification of asbestos in bulk samples and meets all requirements of ISO/IEC 17025:1999 and relevant requirements of ISO 9002:1994.

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Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences
 General Hospital 237 Barton St E, Hamilton McMaster Wing
Project No.: 46653.007
Prepared For: Michael Maiorana / Heather Obruchkov

Lab Reference No.: b54869
Date Analyzed: August 20, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
017A Plaster – ceiling/wall, conference room	a) Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material 50-75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	c) Homogeneous, off-white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
017B Plaster – ceiling/wall, conference room	a) Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
017C Plaster – ceiling/wall, conference room			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
017D Plaster – ceiling/wall, conference room			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
017E Plaster – ceiling/wall, conference room			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		

ANALYST: 



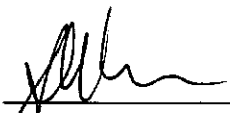
Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences
 General Hospital 237 Barton St E, Hamilton McMaster Wing
Project No.: 46653.007
Prepared For: Michael Maiorana / Heather Obruchkov

Lab Reference No.: b54869
Date Analyzed: August 20, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
017F Plaster – ceiling/wall, conference room			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
017G Plaster – ceiling/wall, conference room			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
018A 12" Vinyl floor tile – beige with black line, B009 theatre	2 Phases: a) Homogeneous, beige, consolidated material. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	Chrysotile 0.5-5% None Detected	Non-Fibrous Material > 75% Tar and other non-fibrous > 75%
Comments:	Vinyl floor tiles may contain very fine asbestos fibres which are not visible using the PLM method, therefore the estimated percentage of asbestos in this sample should be treated as a minimum value only.		
018B 12" Vinyl floor tile – beige with black line, B009 theatre	2 Phases: a) Homogeneous, beige, consolidated material. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Not Analyzed Tar and other non-fibrous > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.		

ANALYST: 



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences
 General Hospital 237 Barton St E, Hamilton McMaster Wing
Project No.: 46653.007
Prepared For: Michael Maiorana / Heather Obruchkov

Lab Reference No.: b54869
Date Analyzed: August 20, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
018C 12" Vinyl floor tile – beige with black line, B009 theatre	2 Phases: a) Homogeneous, beige, consolidated material. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Not Analyzed Tar and other non-fibrous > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.		
019A 24" x 24" Ceiling tile – pinhole and texture, B009 theatre	Homogeneous, beige, layered, compressed, fibrous material.	None Detected	Cellulose 25-50% Mineral Wool 25-50% Perlite 25-50% Other Non-Fibrous 0.5-5%
019B 24" x 24" Ceiling tile – pinhole and texture, B009 theatre	Homogeneous, beige, layered, compressed, fibrous material.	None Detected	Cellulose 25-50% Mineral Wool 25-50% Perlite 25-50% Other Non-Fibrous 0.5-5%
019C 24" x 24" Ceiling tile – pinhole and texture, B009 theatre	Homogeneous, beige, layered, compressed, fibrous material.	None Detected	Cellulose 25-50% Mineral Wool 25-50% Perlite 25-50% Other Non-Fibrous > 75%
020A Parging cement/hot water lines, B006 stairwell	Homogeneous, off-white, soft, cementitious material.	None Detected	Mineral Wool 50-75% Non-Fibrous Material 25-50%
Comments:	Cotton fabric reinforcement is present on the surface of this sample.		

ANALYST: _____



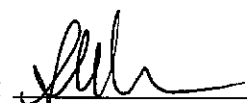
Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences
 General Hospital 237 Barton St E, Hamilton McMaster Wing
Project No.: 46653.007
Prepared For: Michael Maiorana / Heather Obruchkov

Lab Reference No.: b54869
Date Analyzed: August 20, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
020B Parging cement/hot water lines, B006 stairwell	Homogeneous, off-white, soft, cementitious material.	None Detected	Mineral Wool 50-75% Non-Fibrous Material 25-50%
020C Parging cement/hot water lines, B006 stairwell	Homogeneous, off-white, soft, cementitious material.	None Detected	Mineral Wool 50-75% Non-Fibrous Material 25-50%
021A Sprayed fireproofing, mechanical room	Homogeneous, beige, soft, cementitious material.	Actinolite/Tremolite < 0.5%	Cellulose 25-50% Glass Fibres 0.5-5% Vermiculite 25-50% Other Non-Fibrous 25-50%
021B Sprayed fireproofing, mechanical room	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 25-50% Glass Fibres 0.5-5% Vermiculite 25-50% Other Non-Fibrous 25-50%
021C Sprayed fireproofing, mechanical room	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 25-50% Glass Fibres 0.5-5% Vermiculite 25-50% Other Non-Fibrous 25-50%
022A Drywall/wall, B019 material management	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
022B Drywall/wall, B019 material management	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%

ANALYST: 



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences
General Hospital 237 Barton St E, Hamilton McMaster Wing
Project No.: 46653.007
Prepared For: Michael Maiorana / Heather Obruchkov

Lab Reference No.: b54869
Date Analyzed: August 20, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
022C Drywall/wall, B019 material management	Homogeneous, white, soft, cementitious material.	None Detected	
023A 9" x 9" Glue on ceiling tile – scattered dot and fissure, 1012 Margaret charters aud. kitchen	Homogeneous, beige, layered, compressed, fibrous material.	Chrysotile Amosite	0.5-5% 5-10%
023B 9" x 9" Glue on ceiling tile – scattered dot and fissure, 1012 Margaret charters aud. kitchen			Cellulose 10-25% Mineral Wool > 75% Non-Fibrous Material 0.5-5%
023B 9" x 9" Glue on ceiling tile – scattered dot and fissure, 1012 Margaret charters aud. kitchen			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
023C 9" x 9" Glue on ceiling tile – scattered dot and fissure, 1012 Margaret charters aud. kitchen			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		

ANALYST: 



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name:	Hamilton Health Sciences – General Hospital 237 Barton St E, Hamilton McMaster Wing		
Project No.:	46653.007		
Lab Reference No.:	b54870	Date Received:	August 19, 2008
Analyst(s):	D. Aiken	Date Analyzed:	August 20, 2008
		# Samples submitted:	24
		# Phases analyzed:	23

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. The percentage range category reported reflects the level of uncertainty of the method for estimating quantities of asbestos in bulk samples. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with all provincial regulatory requirements (NIOSH 9002, I.R.S.S.T. 244-2). Multiple phases within a sample are analyzed separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	Unstated, likely 1.0%
Alberta, British Columbia, NWT, Yukon, Nunavut	1.0%	Atlantic Provinces (NL, NS, PEI, NB)	1.0%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Environmental Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0 and 200795-0) for selected test methods for the identification of asbestos in bulk samples and meets all requirements of ISO/IEC 17025:1999 and relevant requirements of ISO 9002:1994.

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Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences – General Hospital
 237 Barton St E, Hamilton McMaster Wing
Project No.: 46653.007
Prepared For: Michael Maiorana / Heather Obruchkov

Lab Reference No.: b54870
Date Analyzed: August 20, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S024a Drywall/wall/ceiling, 1011 Margaret charters aud. Video room	Homogeneous, off-white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		
S024b Drywall/wall/ceiling, 1011 Margaret charters aud. Video room	Homogeneous, off-white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		
S024c Drywall/wall/ceiling, 1011 Margaret charters aud. Video room	Homogeneous, off-white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		
S025a Aircell/domestic hot water, L2 Hallway	Homogeneous, brown, layered paper.	None Detected	Cellulose > 75% Synthetic Fibres 0.5-5% Hair 0.5-5% Non-Fibrous Material 0.5-5%
S025b Aircell/domestic hot water, L2 Hallway	Homogeneous, brown, layered paper.	None Detected	Cellulose > 75% Synthetic Fibres 0.5-5% Hair 0.5-5% Non-Fibrous Material 0.5-5%

ANALYST: Dgl ad



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences – General Hospital
 237 Barton St E, Hamilton McMaster Wing
Project No.: 46653.007
Prepared For: Michael Maiorana / Heather Obruchkov

Lab Reference No.: b54870
Date Analyzed: August 20, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S025c Aircell/domestic hot water, L2 Hallway	Homogeneous, brown, layered paper.	None Detected	Cellulose > 75% Synthetic Fibres 0.5-5% Hair 0.5-5% Non-Fibrous Material 0.5-5%
S026a Drywall joint compound/wall, room 263	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S026b Drywall joint compound/wall, room 263	2 Phases: a) Homogeneous, off-white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S026c Drywall joint compound/wall, room 263	Homogeneous, off-white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S027a Drywall joint compound/wall, men's washroom	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S027b Drywall joint compound/wall, men's washroom	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%

ANALYST: Dgal



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences – General Hospital
237 Barton St E, Hamilton McMaster Wing
Project No.: 46653.007
Prepared For: Michael Maiorana / Heather Obruchkov

Lab Reference No.: b54870
Date Analyzed: August 20, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S027c Drywall joint compound/wall, men's washroom	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S028a Drywall joint compound/wall, conference room	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S028b Drywall joint compound/wall, conference room	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S028c Drywall joint compound/wall, conference room	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S029a Drywall joint compound/wall, men's and women's washroom - 5th floor	Homogeneous, off-white, soft, cementitious material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
S029b Drywall joint compound/wall, men's and women's washroom - 5th floor			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		

ANALYST: Dgl al



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences – General Hospital
 237 Barton St E, Hamilton McMaster Wing
Project No.: 46653.007
Prepared For: Michael Maiorana / Heather Obruchkov

Lab Reference No.: b54870
Date Analyzed: August 20, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S029c Drywall joint compound/wall, men's and women's washroom - 5th floor			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S030a Drywall joint compound/wall, washroom - 6th floor	3 Phases: a) Homogeneous, beige, soft, cementitious material. b) Homogeneous, beige, hard, cementitious material. c) Homogeneous, white, hard, cementitious material.	Chrysotile < 0.5% None Detected None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75% Non-Fibrous Material > 75%
Comments:	Phase a) and b) are small in size. For more reliable results, a larger sample is required.		
S030b Drywall joint compound/wall, washroom - 6th floor	2 Phases: a) Homogeneous, beige, soft, cementitious material. b) Homogeneous, white, hard, cementitious material.	Chrysotile 0.5-5% None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75%
S030c Drywall joint compound/wall, washroom - 6th floor			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		

ANALYST: Dylal



**Pinchin Environmental Asbestos Laboratory
Certificate of Analysis**

Project Name: Hamilton Health Sciences – General Hospital
237 Barton St E, Hamilton McMaster Wing
Project No.: 46653.007
Prepared For: Michael Maiorana / Heather Obruchkov

Lab Reference No.: b54870
Date Analyzed: August 20, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S031a Drywall joint compound/wall, room 701 - 7th floor	Homogeneous, beige, soft, cementitious material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
S031b Drywall joint compound/wall, room 701 - 7th floor			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S031c Drywall joint compound/wall, room 701 - 7th floor			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		

ANALYST: D. J. O'Connell



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name:	Hamilton Health Sciences – General Hospital		
	237 Barton St E, Hamilton, North Wing		
Project No.:	46653.007		
Lab Reference No.:	b54880	Date Received:	August 18, 2008
Analyst(s):	L. DeCurtis	Date Analyzed:	August 20, 2008
		# Samples submitted:	19
		# Phases analyzed:	26

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. The percentage range category reported reflects the level of uncertainty of the method for estimating quantities of asbestos in bulk samples. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with all provincial regulatory requirements (NIOSH 9002, I.R.S.S.T. 244-2). Multiple phases within a sample are analyzed separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	Unstated, likely 1.0%
Alberta, British Columbia, NWT, Yukon, Nunavut	1.0%	Atlantic Provinces (NL, NS, PEI, NB)	1.0%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Environmental Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0 and 200795-0) for selected test methods for the identification of asbestos in bulk samples and meets all requirements of ISO/IEC 17025:1999 and relevant requirements of ISO 9002:1994.

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Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences – General Hospital

237 Barton St E, Hamilton, North Wing

Project No.: 46653.007

Prepared For: Michael Maiorana / Heather Obruchkov

Lab Reference No.: b54880

Date Analyzed: August 20, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S032A Plaster, cafeteria	2 Phases: a) Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
S032B Plaster, cafeteria	2 Phases: a) Homogeneous, grey, hard, cementitious material.	None Detected	Cellulose < 0.5% Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
S032C Plaster, cafeteria	2 Phases: a) Homogeneous, grey, hard, cementitious material.	None Detected	Cellulose < 0.5% Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
S032D Plaster, cafeteria	2 Phases: a) Homogeneous, grey, hard, cementitious material.	None Detected	Cellulose 0.5-5% Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%

ANALYST: Liz Curtis



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences – General Hospital
237 Barton St E, Hamilton, North Wing
Project No.: 46653.007
Prepared For: Michael Maiorana / Heather Obruchkov

Lab Reference No.: b54880
Date Analyzed: August 20, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S032E Plaster, cafeteria	a) Homogeneous, grey, hard, cementitious material.	None Detected	Perlite 0.5-5% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
Comments:	Phase a) is small in size. For more reliable results, a larger sample is required. Another phase is present but there was insufficient material submitted to analyze.		
S032F Plaster, cafeteria	a) Homogeneous, grey, hard, cementitious material.	None Detected	Cellulose 0.5-5% Non-Fibrous Material > 75%
	b) Homogeneous, off-white, hard, cementitious material.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
S032G Plaster, cafeteria	a) Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
S033A Drywall, cafeteria	Homogeneous, off-white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
Comments:	Glass fibres are present on the surface of this sample.		

ANALYST: Liz DeCurtis



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences – General Hospital
237 Barton St E, Hamilton, North Wing
Project No.: 46653.007
Prepared For: Michael Maiorana / Heather Obruchkov

Lab Reference No.: b54880
Date Analyzed: August 20, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S036B Drywall joint compound/wall, level 3	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S036C Drywall joint compound/wall, level 3	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%

ANALYST: 



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name:	Hamilton Health Sciences, General Hospital, 237 Barton Street East, Hamilton, North Wing		
Project No.:	46653.007		
Lab Reference No.:	b54881	Date Received:	August 18, 2008
Analyst(s):	S. van den Berg	Date Analyzed:	August 21, 2008
		# Samples submitted:	18
		# Phases analyzed:	20

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. The percentage range category reported reflects the level of uncertainty of the method for estimating quantities of asbestos in bulk samples. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with all provincial regulatory requirements (NIOSH 9002, I.R.S.S.T. 244-2). Multiple phases within a sample are analyzed separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	Unstated, likely 1.0%
Alberta, British Columbia, NWT, Yukon, Nunavut	1.0%	Atlantic Provinces (NL, NS, PEI, NB)	1.0%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Environmental Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0 and 200795-0) for selected test methods for the identification of asbestos in bulk samples and meets all requirements of ISO/IEC 17025:1999 and relevant requirements of ISO 9002:1994.

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Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences,
General Hospital, 237 Barton Street East, Hamilton, North Wing

Project No.: 46653.007

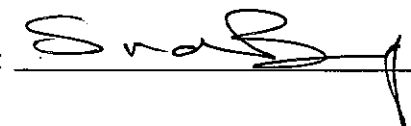
Prepared For: Michael Maiorana / Heather Obruchkov

Lab Reference No.: b54881

Date Analyzed: August 21, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S037a Drywall joint compound/wall, level 3 - upper	Homogeneous, off- white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S037b Drywall joint compound/wall, level 3 - upper	2 Phases: a) Homogeneous, off- white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S037c Drywall joint compound/wall, level 3 - upper	2 Phases: a) Homogeneous, off- white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S038a Drywall joint compound/wall, level 4	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S038b Drywall joint compound/wall, level 4	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S038c Drywall joint compound/wall, level 4	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S039a Drywall joint compound/wall, level 5	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%

ANALYST: 



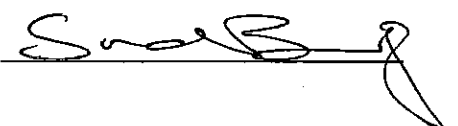
Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences,
 General Hospital, 237 Barton Street East, Hamilton, North Wing
Project No.: 46653.007
Prepared For: Michael Maiorana / Heather Obruchkov

Lab Reference No.: b54881
Date Analyzed: August 21, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S039b Drywall joint compound/wall, level 5	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S039c Drywall joint compound/wall, level 5	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S040a Drywall joint compound/wall, level 6	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S040b Drywall joint compound/wall, level 6	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S040c Drywall joint compound/wall, level 6	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S041a Drywall joint compound/wall, level 7	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S041b Drywall joint compound/wall, level 7	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S041c Drywall joint compound/wall, level 7	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S042a Drywall joint compound/wall, level 8	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
S042b Drywall joint compound/wall, level 8	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%

ANALYST: 



**Pinchin Environmental Asbestos Laboratory
Certificate of Analysis**

Project Name: Hamilton Health Sciences,
General Hospital, 237 Barton Street East, Hamilton, North Wing
Project No.: 46653.007
Prepared For: Michael Maiorana / Heather Obruchkov
Lab Reference No.: b54881
Date Analyzed: August 21, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S042c Drywall joint compound/wall, level 8	Homogeneous, white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%

ANALYST: Snabg



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name:	Hamilton Health Sciences - General Hospital, 237 Barton Street East, Hamilton, East Wing		
Project No.:	46653.007		
Lab Reference No.:	b55013	Date Received:	August 22, 2008
Analyst(s):	S. van den Berg	Date Analyzed:	August 26, 2008
		# Samples submitted:	3
		# Phases analyzed:	1

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. The percentage range category reported reflects the level of uncertainty of the method for estimating quantities of asbestos in bulk samples. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with all provincial regulatory requirements (NIOSH 9002, I.R.S.S.T. 244-2). Multiple phases within a sample are analyzed separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	Unstated, likely 1.0%
Alberta, British Columbia, NWT, Yukon, Nunavut	1.0%	Atlantic Provinces (NL, NS, PEI, NB)	1.0%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Environmental Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0 and 200795-0) for selected test methods for the identification of asbestos in bulk samples and meets all requirements of ISO/IEC 17025:1999 and relevant requirements of ISO 9002:1994.

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**Pinchin Environmental Asbestos Laboratory
Certificate of Analysis**

Project Name: Hamilton Health Sciences - General Hospital,
237 Barton Street East, Hamilton, East Wing
Project No.: 46653.007
Prepared For: Rob Wagner

Lab Reference No.: b55013
Date Analyzed: August 26, 2008

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S043a Textured ceiling in Men's Washroom, 2nd floor	Homogeneous, off-white, soft, cementitious material.	Chrysotile 10-25%	Perlite 25-50% Other Non-Fibrous 25-50%
S043b Textured ceiling in Men's Washroom, 2nd floor			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S043c Textured ceiling in Men's Washroom, 2nd floor			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		

ANALYST: *S. Nagy*



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name:	Hamilton Health Sciences, 237 Barton Street East, Hamilton, Ontario		
Project No.:	71748.003		
Prepared For:	D. Chenney	Date Received:	May 15, 2012
Lab Reference No.:	b89397	Date Analyzed:	May 29, 2012
Analyst(s):	J. Dacquel	# Samples submitted:	6
	K. Cockburn-Swance	# Phases analyzed:	6

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. The percentage range category reported reflects the level of uncertainty of the method for estimating quantities of asbestos in bulk samples. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with all provincial regulatory requirements (NIOSH 9002, I.R.S.S.T. 244-2). Multiple phases within a sample are analyzed separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.1% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Atlantic Provinces	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Environmental Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples' and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

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Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences, 237 Barton Street East, Hamilton, Ontario
Project No.: 71748.003
Prepared For: D. Chennery

Lab Reference No.: b89397
Date Analyzed: May 29, 2012

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0001A fibrous sprayed fireproofing on deck, east wing penthouse + pipe chase	Homogeneous, grey, fibrous material.	None Detected	Mineral Wool 50-75% Non-Fibrous Material 25-50%
0001B fibrous sprayed fireproofing on deck, east wing penthouse + pipe chase	Homogeneous, grey, fibrous material.	Chrysotile < 0.5%	Mineral Wool 50-75% Hair < 0.5% Non-Fibrous Material 25-50%
0001C fibrous sprayed fireproofing on deck, east wing penthouse + pipe chase	Homogeneous, grey, fibrous material.	Chrysotile < 0.5%	Mineral Wool 50-75% Non-Fibrous Material 25-50%
0002A blue + white speckle pattern VSF, elevator lobby, 4th floor east wing	Homogeneous, grey, consolidated, fibrous material on the back of vinyl sheet flooring.	None Detected	Cellulose 50-75% Synthetic Fibres 0.5-5% Glass Fibres 0.5-5% Wollastonite 0.5-5% Non-Fibrous Material 25-50%
0002B blue + white speckle pattern VSF, elevator lobby, 4th floor east wing	Homogeneous, grey, consolidated, fibrous material on the back of vinyl sheet flooring.	None Detected	Cellulose 50-75% Synthetic Fibres 0.5-5% Glass Fibres 0.5-5% Wollastonite 0.5-5% Non-Fibrous Material 25-50%
0002C blue + white speckle pattern VSF, elevator lobby, 4th floor east wing	Homogeneous, grey, consolidated, fibrous material on the back of vinyl sheet flooring.	None Detected	Cellulose 50-75% Synthetic Fibres 0.5-5% Glass Fibres 0.5-5% Wollastonite 0.5-5% Non-Fibrous Material 25-50%

ANALYST

Koch J. Jacques

All Fireproofing Samples.



Laboratory Analysis Report

To:

Geoff Schwarz
Hamilton Health Sciences
1200 Main Street West
Hamilton, Ontario
L8N 3Z5

EMC LAB REPORT NUMBER: A9601

Job/Project Name: HGH East Wing

Analysis Method: Polarized Light Microscopy – EPA 600

Date Received: Jan 17/13

Date Analyzed: Jan 18/13

Analysts: Banu Gurgun-Keough, *Laboratory Manager* / Kaitlin Smith, *Analyst* / Bethany Schofield, *Analyst*

Job No:

Number of Samples: 9

Date Reported: Jan 21/13

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)		
				Asbestos Fibres	Non-asbestos Fibres	Non-fibrous Material
S01a	A9601-1	East wing 3 rd floor elevator lobby	Homogeneous	ND	15	85
S01b	A9601-2	East wing 3 rd floor elevator lobby	Homogeneous	ND	15	85
S01c	A9601-3	East wing 3 rd floor elevator lobby	Homogeneous	ND	15	85
S02a	A9601-4	East wing 3 rd floor outside room 2	Homogeneous	ND	15	85
S02b	A9601-5	East wing 3 rd floor outside room 2	Homogeneous	ND	15	85
S02c	A9601-6	East wing 3 rd floor outside room 2	Homogeneous	ND	15	85
S03a	A9601-7	East wing 4 th floor elevator lobby	Homogeneous	ND	10	90
S03b	A9601-8	East wing 4 th floor elevator lobby	Homogeneous	ND	10	90
S03c	A9601-9	East wing 4 th floor elevator lobby	Homogeneous	ND	10	90

Note:

1. Bulk samples are analyzed using Polarized Light Microscopy (PLM) and dispersion staining techniques. The analytical procedures are in accordance with EPA 600/R-93/116 method.
2. The results are only related to the samples analyzed. ND = None Detected, NA = Not Analyzed (analysis stopped due to a previous positive result).
3. The Ontario Regulatory Threshold for asbestos is 0.5 percent.



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name:	General Hospital - 237 Barton Street East, Hamilton, ON		
Project No.:	71748.003		
Prepared For:	Damian Palus	Date Received:	February 6, 2013
Lab Reference No.:	b96034	Date Analyzed:	February 13, 2013
Analyst(s):	A. Wells	# Samples submitted:	7
		# Phases analyzed:	7

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with all provincial regulatory requirements (NIOSH 9002, I.R.S.S.T. 244-2). Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.1% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Atlantic Provinces	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Environmental Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples' and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty is available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



Pinchin Environmental Asbestos Laboratory Certificate of Analysis

Project Name: General Hospital - 237 Barton Street East, Hamilton, ON
Project No.: 71748.003
Prepared For: Damian Palus

Lab Reference No.: b96034
Date Analyzed: February 13, 2013

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0001A Fibrous sprayed fireproofing, L4 Main Corridor at door 416	Homogeneous, off-white, fibrous material.	None Detected	Mineral Wool 25-50% Non-Fibrous Material 50-75%
0001B Fibrous sprayed fireproofing, L4 Corridor at door 421	Homogeneous, off-white, fibrous material.	None Detected	Mineral Wool 25-50% Non-Fibrous Material 50-75%
0001C Fibrous sprayed fireproofing, L4 Conference Room at door 432	Homogeneous, off-white, fibrous material.	None Detected	Mineral Wool 25-50% Non-Fibrous Material 50-75%
0001D Fibrous sprayed fireproofing, L3 Registration at door 315	Homogeneous, off-white, fibrous material.	None Detected	Cellulose 0.5-5% Mineral Wool 25-50% Non-Fibrous Material 50-75%
0001E Fibrous sprayed fireproofing, L3 Pacnn Room at door 323	Homogeneous, off-white, fibrous material.	None Detected	Mineral Wool 25-50% Non-Fibrous Material 50-75%
Comments:	Fibreglass is present on the surface of this sample.		
0001F Fibrous sprayed fireproofing, L3 Storage at door 337	Homogeneous, off-white, woven fabric.	None Detected	Mineral Wool 25-50% Non-Fibrous Material 50-75%
0001G Fibrous sprayed fireproofing, L3 Office at door 332	Homogeneous, off-white, fibrous material.	None Detected	Mineral Wool 25-50% Non-Fibrous Material 50-75%

ANALYST

Laboratory Analysis Report

To: **Geoff Schwarz**
 Hamilton Health Sciences
 120 Main Street West
 Hamilton, Ontario
 L8N 3Z5

EMC LAB REPORT NUMBER: A10176
Job/Project Name: McMaster Wing Basement
Analysis Method: Polarized Light Microscopy – EPA 600
Date Received: Mar 28/13 **Date Analyzed:** Mar 28/13
Analyst: Kaitlin Smith, *Analyst*
Reviewed By: Banu Gurgen-Keough, *Laboratory Manager*

Job No:
Number of Samples: 6
Date Reported: Mar 28/13



Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)		
				Asbestos Fibres	Non-asbestos Fibres	Non-fibrous Material
S01a	A10176-1	DWJC – cubicle corner (main office)	White, drywall compound	ND		100
S01b	A10176-2	DWJC – cubicle wall	White, drywall compound	ND		100
S01c	A10176-3	DWJC – office wall	White, drywall compound	ND		100
S01d	A10176-4	DWJC – corner office wall	White, drywall compound	ND		100
S01e	A10176-5	DWJC – exit hallway wall	White, drywall compound	ND		100
S02	A10176-6 ⁴	Tape left – corner office	Grey, debris	ND	20	80

- Note:**
1. Bulk samples are analyzed using Polarized Light Microscopy (PLM) and dispersion staining techniques. The analytical procedures are in accordance with EPA 600/R-93/116 method.
 2. The results are only related to the samples analyzed. ND = None Detected, NA = Not Analyzed (analysis stopped due to a previous positive result).
 3. The Ontario Regulatory Threshold for asbestos is 0.5%.
 4. Tape-Lift samples can be difficult to analyze due to fibres sticking the matrix of the adhesive.

To:

Dustin Copeland
Hamilton Health Sciences
1200 Main Street West
Hamilton, Ontario
L8N 3Z5

EMC LAB REPORT NUMBER: A19178

Job/Project Name: HGH – East Wing – Exterior

Analysis Method: Polarized Light Microscopy – EPA 600

Date Received: Jun 3/15

Date Analyzed: Jun 5/15

Analyst: Bethany Schofield, *Analyst*

Reviewed By: Banu Gurgun-Keough, *Laboratory Manager*

Job No:

Number of Samples: 3

Date Reported: Jun 5/15



Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)		
				Asbestos Fibres	Non-asbestos Fibres	Non-fibrous Material
S-001a	A19178-1	East wing – NE wall – tile – plaster and skim coat / mortar	2 Phases: a) Grey, cementitious material b) White, cementitious material	ND ND		100 100
S-001b	A19178-2	East wing – NE wall – tile – plaster and skim coat / mortar	2 Phases: a) Grey, cementitious material b) White, cementitious material	ND ND		100 100
S-001c	A19178-3	East wing – NE wall – tile – plaster and skim coat / mortar	2 Phases: a) Grey, cementitious material b) White, cementitious material	ND ND		100 100

Note:

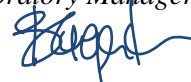
1. Bulk samples are analyzed using Polarized Light Microscopy (PLM) and dispersion staining techniques. The analytical procedures are in accordance with EPA 600/R-93/116 method.
2. The results are only related to the samples analyzed. **ND** = None Detected (no asbestos fibres were observed), **NA** = Not Analyzed (analysis stopped due to a previous positive result).
3. This report may not be reproduced, except in full without the written approval of EMC Scientific Inc. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.
4. The Ontario Regulatory Threshold for asbestos is 0.5%. The limit of quantification (LOQ) is 0.5%.

To:

Dustin Copeland
Hamilton Health Sciences
120 Main Street West
Hamilton, Ontario
L8N 3Z5

EMC LAB REPORT NUMBER: A19074
Job/Project Name: HGH Stairwell 7
Analysis Method: Polarized Light Microscopy – EPA 600
Date Received: May 28/15 **Date Analyzed:** May 28/15
Analyst: Malgorzata Sybydlo, *Analyst*
Reviewed By: Banu Gurgun-Keough, *Laboratory Manager*

Job No:
Number of Samples: 6
Date Reported: May 28/15



Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)		
				Asbestos Fibres	Non-asbestos Fibres	Non-fibrous Material
S-004a	A19074-1	Drywall joint compound (DJC) – stairwell #7	White, joint compound	ND		100
S-004b	A19074-2	(DJC) – stairwell #7	White, joint compound	ND		100
S-004c	A19074-3	(DJC) – stairwell #7	White, joint compound	ND		100
S-005a	A19074-4	Fireproofing within bulkhead – beige cementitious – stairwell #7	Beige, cementitious material	ND	20	80
S-005b	A19074-5	Fireproofing within bulkhead – beige cementitious – stairwell #7	Beige, cementitious material	ND	20	80
S-005c	A19074-6	Fireproofing within bulkhead – beige cementitious – stairwell #7	Beige, cementitious material	ND	20	80

Note:

1. Bulk samples are analyzed using Polarized Light Microscopy (PLM) and dispersion staining techniques. The analytical procedures are in accordance with EPA 600/R-93/116 method.
2. The results are only related to the samples analyzed. **ND** = None Detected (no asbestos fibres were observed), **NA** = Not Analyzed (analysis stopped due to a previous positive result).
3. This report may not be reproduced, except in full without the written approval of EMC Scientific Inc. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.
4. The Ontario Regulatory Threshold for asbestos is 0.5%. The limit of quantification (LOQ) is 0.5%.



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name:	Hamilton Health Sciences, McMaster Wing, Level 4, IT Closet, Hamilton General Hospital 237 Barton Street East, Hamilton, Ontario		
Project No.:	0200249.004		
Prepared For:	S. Holmquist / M. Maiorana		
	Date Received:	August 14, 2017	
Lab Reference No.:	b174964	Date Analyzed:	August 18, 2017
Analyst(s):	W. Mirza / K. Cockburn	# Samples submitted:	3
		# Phases analyzed:	4

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Newfoundland and Labrador, PEI and New Brunswick	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

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**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Project Name: Hamilton Health Sciences, McMaster Wing, Level 4, IT Closet,
Hamilton General Hospital 237 Barton Street East, Hamilton, Ontario

Project No.: 0200249.004

Prepared For: S. Holmquist / M. Maiorana

Lab Reference No.: b174964

Date Analyzed: August 18, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)			
		ASBESTOS		OTHER	
S001A Drywall Joint Compound - McMaster Wing, Level 4, IT Closet, Room 4MC	Homogeneous, off-white, drywall joint compound.	Chrysotile	0.5-5%	Non-Fibrous Material	> 75%
S001B Drywall Joint Compound - McMaster Wing, Level 4, IT Closet, Room 4MC	Homogeneous, off-white, drywall joint compound.	Chrysotile	0.5-5%	Non-Fibrous Material	> 75%
S001C Drywall Joint Compound - McMaster Wing, Level 4, IT Closet, Room 4MC	2 Phases: a) Homogeneous, off- white, drywall joint compound.	Chrysotile	0.5-5%	Non-Fibrous Material	> 75%
	b) Homogeneous, white, drywall joint compound.	None Detected		Non-Fibrous Material	> 75%

Reviewed by:

Reporting Analyst:



Analyzed by: *W.M*
 Reviewed by: *[Signature]*
 Report Sent by: *[Signature]*

Analyze all samples

**Pinchin Ltd. - Asbestos Laboratory
 Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	Hamilton Health Sciences	Project Address:	Hamilton General Hospital 237 Barton Street East, Hamilton, Ontario
Portfolio/Building No:	McMaster Wing, Level 4, IT Closet	Pinchin File:	200249.004
Submitted by:	Stephen Holmquist	Email:	sholmquist@pinchin.com
CC Results to:	Mike Maiorana	CC Email:	mmaiorana@pinchin.com
Invoice to:	Stephen Holmquist	Invoice Email:	sholmquist@pinchin.com
Date Submitted:	August 11 2017	Required by:	August 18 2017
# of Samples:	3	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory Field):			
Do NOT Stop on Positive (Sample Numbers):	S001A-C		
Pinchin Group Company (Mandatory Field):	Pinchin		

To be Completed by Lab Personnel Only:			
Lab Reference #:	<i>DIAGN</i>		Time: 24 hour clock
Received by:	<i>AUG 14 2017 JK</i>		Date: Month Day Year
Name(s) of Analyst(s):	<i>W.M / K C</i>		<i>August 18, 2017</i>
Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	S001	A	Drywall Joint Compound - McMaster Wing, Level 4, IT Closet, Room 4MC <i>CH 5-5</i>
	S001	B	Drywall Joint Compound - McMaster Wing, Level 4, IT Closet, Room 4MC <i>CH 5-5</i>
	S001	C	Drywall Joint Compound - McMaster Wing, Level 4, IT Closet, Room 4MC <i>a) CH 5-5 b) -ND</i>



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name:	Hamilton Health Sciences, 237 Barton Street East, Hamilton, ON		
Project No.:	0200249.05		
Prepared For:	R. Bertin-Fenney / M. Maiorana		
Lab Reference No.:	b178346		
Analyst(s):	C. Luong		
# Samples submitted:	22	Date Received:	October 11, 2017
# Phases analyzed:	44	Date Analyzed:	October 18, 2017

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Newfoundland and Labrador, PEI and New Brunswick	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

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Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences, 237 Barton Street East, Hamilton, ON
Project No.: 0200249.05
Prepared For: R. Bertin-Fenney / M. Maiorana
Lab Reference No.: b178346
Date Analyzed: October 18, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0001A Roofing material, Roof over Elevator Mechanical Room	9 Phases:		
	a) Homogeneous, black, layered, shiny, tar material - bottom.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, layered, tar impregnated, compressed fibrous material - bottom.	None Detected	Man-made Vitreous Fibres 50-75% Tar and other non-fibrous 25-50%
	c) Homogeneous, black, shiny, tar material with fibrous reinforcement - middle.	None Detected	Man-made Vitreous Fibres 5-10% Tar and other non-fibrous > 75%
	d) Homogeneous, black, tar impregnated, compressed fibrous material - middle.	None Detected	Cellulose > 75% Tar and other non-fibrous 5-10%
	e) Homogeneous, black, layered, shiny tar material - middle.	None Detected	Tar and other non-fibrous > 75%
	f) Homogeneous, black, shiny, tar material with fibrous reinforcement - top.	None Detected	Man-made Vitreous Fibres 5-10% Tar and other non-fibrous > 75%
g) Homogeneous, black, tar impregnated, compressed fibrous material - top.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%	



Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: Hamilton Health Sciences, 237 Barton Street East, Hamilton, ON
Project No.: 0200249.05
Prepared For: R. Bertin-Fenney / M. Maiorana
Lab Reference No.: b178346
Date Analyzed: October 18, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
	h) Homogeneous, black, layered, tar impregnated, compressed fibrous material - top.	None Detected	Man-made Vitreous Fibres 50-75% Tar and other non-fibrous 25-50%
	i) Homogeneous, black, layered, shiny, tar material - top.	None Detected	Tar and other non-fibrous > 75%
Comments:	Man-made vitreous fibres are present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences, 237 Barton Street East, Hamilton, ON
Project No.: 0200249.05
Prepared For: R. Bertin-Fenney / M. Maiorana
Lab Reference No.: b178346
Date Analyzed: October 18, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0001B Roofing material, Roof over Elevator Mechanical Room	9 Phases:		
	a) Homogeneous, black, layered, shiny, tar material - bottom.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, tar impregnated, compressed fibrous material - bottom.	None Detected	Man-made Vitreous Fibres 50-75% Tar and other non-fibrous 25-50%
	c) Homogeneous, black, shiny, tar material with fibrous reinforcement - middle.	None Detected	Man-made Vitreous Fibres 5-10% Tar and other non-fibrous > 75%
	d) Homogeneous, black, tar impregnated, compressed fibrous material - middle.	None Detected	Cellulose > 75% Tar and other non-fibrous 10-25%
	e) Homogeneous, black, shiny, tar material - middle.	None Detected	Tar and other non-fibrous > 75%
	f) Homogeneous, black, shiny, tar material with fibrous reinforcement - top.	None Detected	Man-made Vitreous Fibres 5-10% Tar and other non-fibrous > 75%
g) Homogeneous, black, tar impregnated, compressed fibrous material - top.	None Detected	Cellulose > 75% Tar and other non-fibrous 10-25%	



Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: Hamilton Health Sciences, 237 Barton Street East, Hamilton, ON
Project No.: 0200249.05
Prepared For: R. Bertin-Fenney / M. Maiorana
Lab Reference No.: b178346
Date Analyzed: October 18, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
	h) Homogeneous, black, shiny, tar material - top.	None Detected	Tar and other non-fibrous > 75%
	i) Homogeneous, black, tar impregnated, compressed fibrous material - top.	None Detected	Man-made Vitreous Fibres 50-75% Tar and other non-fibrous 25-50%
Comments:	Man-made vitreous fibres are present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences, 237 Barton Street East, Hamilton, ON
Project No.: 0200249.05
Prepared For: R. Bertin-Fenney / M. Maiorana
Lab Reference No.: b178346
Date Analyzed: October 18, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0001C Roofing material, Roof over Elevator Mechanical Room	8 Phases:		
	a) Homogeneous, black, layered, shiny, tar material - bottom.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, layered, tar impregnated, compressed fibrous material - bottom.	None Detected	Man-made Vitreous Fibres 50-75% Tar and other non-fibrous 25-50%
	c) Homogeneous, black, shiny, tar material with fibrous reinforcement - middle.	None Detected	Man-made Vitreous Fibres 5-10% Tar and other non-fibrous > 75%
	d) Homogeneous, black, tar impregnated, compressed fibrous material - middle.	None Detected	Cellulose > 75% Tar and other non-fibrous 5-10%
	e) Homogeneous, black, layered, shiny tar material - middle.	None Detected	Tar and other non-fibrous > 75%
	f) Homogeneous, black, shiny, tar material with fibrous reinforcement - top.	None Detected	Man-made Vitreous Fibres 5-10% Tar and other non-fibrous > 75%
	g) Homogeneous, black, layered, tar impregnated, compressed fibrous material - top.	None Detected	Man-made Vitreous Fibres 50-75% Tar and other non-fibrous 25-50%
	h) Homogeneous, black, layered, shiny tar material - top.	None Detected	Tar and other non-fibrous > 75%
Comments:	Man-made vitreous fibres are present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences, 237 Barton Street East, Hamilton, ON
Project No.: 0200249.05
Prepared For: R. Bertin-Fenney / M. Maiorana
Lab Reference No.: b178346
Date Analyzed: October 18, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0002A Black tar on stairs, Roof	Homogeneous, black, tar material.	Chrysotile < 0.5%	Cellulose 10-25% Tar and other non-fibrous > 75%
0002B Black tar at roof penetrations, Roof	Homogeneous, black, tar material.	Chrysotile 0.5-5%	Tar and other non-fibrous > 75%
0002C Black tar at roof penetrations, Roof			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0003A White caulking on flashing, at Elevator Shaft	Homogeneous, brown, caulking material.	None Detected	Non-Fibrous Material > 75%
0003B White caulking on flashing, at Elevator Shaft	Homogeneous, brown, caulking material.	None Detected	Non-Fibrous Material > 75%
0003C White caulking on flashing, at Elevator Shaft	Homogeneous, brown, caulking material.	None Detected	Non-Fibrous Material > 75%
0004A Tar patch on Roof	Homogeneous, black, tar material.	None Detected	Cellulose 0.5-5% Man-made Vitreous Fibres < 0.5% Tar and other non-fibrous > 75%
0005A Red caulking at support on wall, Roof	Homogeneous, tan, caulking material.	None Detected	Non-Fibrous Material > 75%



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences, 237 Barton Street East, Hamilton, ON
Project No.: 0200249.05
Prepared For: R. Bertin-Fenney / M. Maiorana
Lab Reference No.: b178346
Date Analyzed: October 18, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0005B Red caulking at support on wall, Roof	Homogeneous, tan, caulking material.	None Detected	Non-Fibrous Material > 75%
0005C Red caulking at support on wall, Roof	Homogeneous, tan, caulking material.	None Detected	Non-Fibrous Material > 75%
0006A Brown caulking on parapet flashing, Roof	Homogeneous, brown, rubbery, caulking material.	None Detected	Non-Fibrous Material > 75%
0006B Brown caulking on parapet flashing, Roof	Homogeneous, brown, rubbery, caulking material.	None Detected	Non-Fibrous Material > 75%
0006C Brown caulking on parapet flashing, Roof	Homogeneous, brown, rubbery, caulking material.	None Detected	Non-Fibrous Material > 75%
0007A Black caulking on support beams for Rodgers Structure on Roof	Homogeneous, brown, caulking material.	None Detected	Man-made Vitreous Fibres < 0.5% Non-Fibrous Material > 75%
0007B Black caulking on support beams for Rodgers Structure on Roof	Homogeneous, brown, caulking material.	None Detected	Non-Fibrous Material > 75%
0007C Black caulking on support beams for Rodgers Structure on Roof	Homogeneous, brown, caulking material.	None Detected	Man-made Vitreous Fibres < 0.5% Non-Fibrous Material > 75%
0008A Spray-on fireproofing on structural beams, Elevator Mechanical Room	Homogeneous, beige, fibrous material.	None Detected	Cellulose 10-25% Man-made Vitreous Fibres 5-10% Vermiculite 25-50% Other Non-Fibrous 50-75%



Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: Hamilton Health Sciences, 237 Barton Street East, Hamilton, ON
Project No.: 0200249.05
Prepared For: R. Bertin-Fenney / M. Maiorana
Lab Reference No.: b178346
Date Analyzed: October 18, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0008B Spray-on fireproofing on structural beams, Elevator Mechanical Room	Homogeneous, beige, fibrous material.	None Detected	Cellulose 10-25% Man-made Vitreous 5-10% Fibres Vermiculite 25-50% Other Non-Fibrous 50-75%
0008C Spray-on fireproofing on structural beams, Elevator Mechanical Room	Homogeneous, beige, fibrous material.	None Detected	Cellulose 10-25% Man-made Vitreous 5-10% Fibres Vermiculite 25-50% Other Non-Fibrous 50-75%

Reviewed by:

Reporting Analyst:



Analyzed by: C.L.
Reviewed by: [Signature]
Report Sent by: [Signature]

Instructions:

**Pinchin Ltd. - Asbestos Laboratory
Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	Hamilton Health Sciences	Project Address:	237 Barton Street East, Hamilton, ON
Portfolio/Building No:		Pinchin File:	200249.05
Submitted by:	Robert Bertin-Fenney	Email:	rbertin-fenney@pinchin.com
CC Results to:	Michael Maiorana	CC Email:	mmaiorana@pinchin.com
Invoice to:	ap@pinchin.com	Invoice Email:	ap@pinchin.com
Date Submitted:	October 10 2017	Required by:	October 18 2017
# of Samples:	24 22	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory Field):			
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):	Pinchin		

To be Completed by Lab Personnel Only:

Lab Reference #:	0178346	Time:	24 hour clock		
Received by:	OCT 11 2017 [Signature]	Date:	Month	Day	Year
Name(s) of Analyst(s):	A.J.		Oct	18	2017

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	001	A	Roofing material, Roof over Elevator Mechanical Room a)ND b)ND c)ND d)ND e)ND f)ND g)ND h)ND i)ND
	001	B	Roofing material, Roof over Elevator Mechanical Room a)ND b)ND c)ND d)ND e)ND f)ND g)ND h)ND i)ND
	001	C	Roofing material, Roof over Elevator Mechanical Room a)ND b)ND c)ND d)ND e)ND f)ND g)ND h)ND
	002	A	Black tar on stairs, Roof CH < 0.5%
	002	B	Black tar at roof penetrations, Roof CH 0.5-5%
	002	C	Black tar at roof penetrations, Roof - NA -

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	003	A	White caulking on flashing, at Elevator Shaft ND
	003	B	White caulking on flashing, at Elevator Shaft ND
	003	C	White caulking on flashing, at Elevator Shaft ND
	004	A	Tar patch on Roof ND
	005	A	Red caulking at support on wall, Roof ND
	005	B	Red caulking at support on wall, Roof ND
	005	C	Red caulking at support on wall, Roof ND
	006	A	Brown caulking on parapet flashing, Roof ND
	006	B	Brown caulking on parapet flashing, Roof ND
	006	C	Brown caulking on parapet flashing, Roof ND
	007	A	Black caulking on support beams for Rodgers Structure on Roof ND
	007	B	Black caulking on support beams for Rodgers Structure on Roof ND
	007	C	Black caulking on support beams for Rodgers Structure on Roof ND
	008	A	Spray-on fireproofing on structural beams, Elevator Mechanical Room ND
	008	B	Spray-on fireproofing on structural beams, Elevator Mechanical Room ND
	008	C	Spray-on fireproofing on structural beams, Elevator Mechanical Room ND



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences, Hamilton General Hospital
 237 Barton Street East, Hamilton, ON
Project No.: 0200249.060
Prepared For: M. Maiorana
Lab Reference No.: b180918
Analyst(s): J. Dacquel / A. Di Giulio / M. Tipgos / C. Luong / J. Raisch-Berkoff
Date Received: November 27, 2017 **# Samples submitted:** 20
Date Analyzed: November 27, 2017 **# Phases analyzed:** 26

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Newfoundland and Labrador, PEI and New Brunswick	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty is available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences, Hamilton General Hospital
 237 Barton Street East, Hamilton, ON
Project No.: 0200249.060
Prepared For: M. Maiorana

Lab Reference No.: b180918
Date Analyzed: November 27, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0001A Cementitious sprayed fireproofing on beam, Level 2 Room 2-326B	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 25-50% Man-made Vitreous Fibres 0.5-5% Vermiculite 5-10% Other Non-Fibrous 50-75%
0001B Cementitious sprayed fireproofing on beam, Level 2 Room 2-304	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 25-50% Man-made Vitreous Fibres 0.5-5% Vermiculite 5-10% Other Non-Fibrous 50-75%
0001C Cementitious sprayed fireproofing on Column, Level 2 Room 329A	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 25-50% Man-made Vitreous Fibres 0.5-5% Vermiculite 5-10% Other Non-Fibrous 50-75%
0001D Cementitious sprayed fireproofing on beam, Level 3 Room Classroom	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 25-50% Man-made Vitreous Fibres 0.5-5% Vermiculite 5-10% Other Non-Fibrous 50-75%
0001E Cementitious sprayed fireproofing on beam, Level 1 Shipping and Receiving	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 25-50% Man-made Vitreous Fibres 0.5-5% Vermiculite 5-10% Other Non-Fibrous 50-75%
0002A Drywall joint compound-wall, Level 2 Room 2-326B	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
0002B Drywall joint compound-wall, Level 2 Room 2-304	Homogeneous, off-white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences, Hamilton General Hospital
 237 Barton Street East, Hamilton, ON
Project No.: 0200249.060
Prepared For: M. Maiorana

Lab Reference No.: b180918
Date Analyzed: November 27, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0002C Drywall joint compound-wall, Level 2 Room 2-239A	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
0003A Black caulking around exterior window on the interior of the building, Level 2 Room 2-329A	2 Phases: a) Homogeneous, white, caulking material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, caulking material.	None Detected	Non-Fibrous Material > 75%
0003B Black caulking around exterior window on the interior of the building, Level 2 Room 2-329A	2 Phases: a) Homogeneous, white, caulking material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, caulking material.	None Detected	Non-Fibrous Material > 75%
0003C Black caulking around exterior window on the interior of the building, Level 2 Room 2-329A	Homogeneous, black, caulking material.	None Detected	Non-Fibrous Material > 75%
0004A Linoleum sheet flooring, brown with beige streaks, Level 2 Room 2-329	2 Phases: a) Homogeneous, beige, consolidated, vinyl sheet flooring.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, yellow, soft, sticky material on the back of vinyl sheet flooring.	None Detected	Non-Fibrous Material > 75%



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences, Hamilton General Hospital
 237 Barton Street East, Hamilton, ON
Project No.: 0200249.060
Prepared For: M. Maiorana

Lab Reference No.: b180918
Date Analyzed: November 27, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0004B Linoleum sheet flooring, brown with beige streaks, Level 2 Room 2-292	2 Phases: a) Homogeneous, beige, consolidated, vinyl sheet flooring.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, yellow, soft, sticky material on the back of vinyl sheet flooring.	None Detected	Non-Fibrous Material > 75%
0004C Linoleum sheet flooring, brown with beige streaks, Level 2 Room 2-320	2 Phases: a) Homogeneous, beige, consolidated, vinyl sheet flooring.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, yellow, soft, sticky material on the back of vinyl sheet flooring.	None Detected	Non-Fibrous Material > 75%
0006A 12" x 12" vinyl floor tile and mastic, white with grey fleck, Level 2 Room 2-327	2 Phases: a) Homogeneous, off- white, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other non- fibrous > 75%
0006B 12" x 12" vinyl floor tile and mastic, white with grey fleck, Level 2 Room 2-294	2 Phases: a) Homogeneous, off- white, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, black and yellow, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other non- fibrous > 75%



**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Project Name: Hamilton Health Sciences, Hamilton General Hospital
237 Barton Street East, Hamilton, ON

Project No.: 0200249.060

Prepared For: M. Maiorana

Lab Reference No.: b180918

Date Analyzed: November 27, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0006C 12" x 12" vinyl floor tile and mastic, white with grey fleck, Level 2 Room 2-330	2 Phases: a) Homogeneous, off-white, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other non-fibrous > 75%
0007A Metallic undercoating on sink, Level 2 Room 2-329	Homogeneous, metallic black, tar material.	Chrysotile 0.5-5%	Tar and other non-fibrous > 75%
0007B Metallic undercoating on sink, Level 2 Room 2-329			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
0007C Metallic undercoating on sink, Level 2 Room 2-329			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		

Reviewed by:

Reporting Analyst:



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Analyzed by: JWA
 Reviewed by: JRS
 Report Sent by: JRS

Instructions:

**Pinchin Ltd. - Asbestos Laboratory
 Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	Hamilton Health Sciences	Project Address:	237 Barton Street East, Hamilton, ON
Portfolio/Building No:	Hamilton General Hospital	Pinchin File:	200249.060
Submitted by:	Michael Maiorana	Email:	mmaiorana@pinchin.com
CC Results to:		CC Email:	
Invoice to:	ap@pinchin.com	Invoice Email:	ap@pinchin.com
Date Submitted:	November 24 2017	Required by:	November 28 2017
# of Samples:	20	Priority:	Rush Turnaround
Year of Building Construction (Mandatory Field):	1985		
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):	Pinchin		

To be Completed by Lab Personnel Only:

Lab Reference #:	D180918	Time:	24 hour clock
Received by:	NOV 27 2017 EL	Date:	Month Day Year
Name(s) of Analyst(s):	CUMT/TTD JRS / AD		NOV. 27, 2017

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	001	A	Cementitious sprayed fireproofing on beam, Level 2 Room 2-326B ND
	001	B	Cementitious sprayed fireproofing on beam, Level 2 Room 2-304 ND
	001	C	Cementitious sprayed fireproofing on Column, Level 2 Room 329A ND
	001	D	Cementitious sprayed fireproofing on beam, Level 3 Room Classroom ND
	001	E	Cementitious sprayed fireproofing on beam, Level 1 Shipping and Receiving ND
	002	A	Drywall joint compound-wall, Level 2 Room 2-326B ND

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C.R

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Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
C/L	002	B	Drywall joint compound-wall, Level 2 Room 2-304 ND
	002	C	Drywall joint compound-wall, Level 2 Room 2-239A ND
	003	A	Black caulking around exterior window on the interior of the building, Level 2 Room 2-329A a) ND b) ND
M/L	003	B	Black caulking around exterior window on the interior of the building, Level 2 Room 2-329A a) ND b) ND
	003	C	Black caulking around exterior window on the interior of the building, Level 2 Room 2-329A ND
	004	A	Linoleum sheet flooring, brown with beige streaks, Level 2 Room 2-329 a) ND b) ND
JPB	004	B	Linoleum sheet flooring, brown with beige streaks, Level 2 Room 2-292 a) ND b) ND
	004	C	Linoleum sheet flooring, brown with beige streaks, Level 2 Room 2-320 a) ND b) ND
	006	A	12" x 12" vinyl floor tile and mastic, white with grey fleck, Level 2 Room 2-327 a) ND b) ND
	006	B	12" x 12" vinyl floor tile and mastic, white with grey fleck, Level 2 Room 2-294 a) ND b) ND
JD	006	C	12" x 12" vinyl floor tile and mastic, white with grey fleck, Level 2 Room 2-330 a) ND b) ND
	007	A	Metallic undercoating on sink, Level 2 Room 2-329 CH 0.5-5%
	007	B	Metallic undercoating on sink, Level 2 Room 2-329 MA
	007	C	Metallic undercoating on sink, Level 2 Room 2-329 MA

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Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences, Hamilton General Hospital
 237 Barton Street East, Hamilton, ON
Project No.: 0200249.059
Prepared For: M. Maiorana
Lab Reference No.: b181004
Analyst(s): N. Barinque
Date Received: November 27, 2017 # Samples submitted: 9
Date Analyzed: December 1, 2017 # Phases analyzed: 14

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Newfoundland and Labrador, PEI and New Brunswick	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty is available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences, Hamilton General Hospital
 237 Barton Street East, Hamilton, ON
Project No.: 0200249.059
Prepared For: M. Maiorana

Lab Reference No.: b181004
Date Analyzed: December 1, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0005A Black caulking around exterior window on the exterior of the building, Lower Roof over Shipping and Receiving	Homogeneous, black, caulking material.	None Detected	Non-Fibrous Material > 75%
0005B Black caulking around exterior window on the exterior of the building, Lower Roof over Shipping and Receiving	Homogeneous, black, caulking material.	None Detected	Non-Fibrous Material > 75%
0005C Black caulking around exterior window on the exterior of the building, Lower Roof over Shipping and Receiving	Homogeneous, black, caulking material.	None Detected	Non-Fibrous Material > 75%
0008A Drywall joint compound-wall, Level 3 Classroom	2 Phases: a) Homogeneous, off-white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
0008B Drywall joint compound-wall, Level 3 Classroom	Non-homogeneous, off-white/white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Health Sciences, Hamilton General Hospital
 237 Barton Street East, Hamilton, ON
Project No.: 0200249.059
Prepared For: M. Maiorana

Lab Reference No.: b181004
Date Analyzed: December 1, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0008C Drywall joint compound-wall, Level 3 Classroom	2 Phases: a) Homogeneous, off-white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
0009A Smooth plaster-bulkhead, Level 3 Spine Support Room	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
0009B Smooth plaster-bulkhead, Level 3 Spine Support Room	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
0009C Smooth plaster-bulkhead, Level 3 Storage Room	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected	Perlite 10-25% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%

Reviewed by:

Reporting Analyst:



PINCHIN



Analyzed by: NRB
Reviewed by: NRB
Report Sent by: JR

4D

05C-008C-009C

(14)

Instructions:

**Pinchin Ltd. - Asbestos Laboratory
Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	Hamilton Health Sciences	Project Address:	237 Barton Street East, Hamilton, ON
Portfolio/Building No:	Hamilton General Hospital	Pinchin File:	200249.059
Submitted by:	Michael Maiorana	Email:	mmaiorana@pinchin.com
CC Results to:		CC Email:	
Invoice to:	ap@pinchin.com	Invoice Email:	ap@pinchin.com
Date Submitted:	November 24 2017	Required by:	December 1 2017
# of Samples:	69	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory Field):	1985		
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):	Pinchin		

To be Completed by Lab Personnel Only:

Lab Reference #:	681004	Time:	24 hour clock		
Received by:	NOV 27 2017 JR	Date:	Month	Day	Year
Name(s) of Analyst(s):	NRB 17.12.01				

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	005	A	Black caulking around exterior window on the exterior of the building, Lower Roof over Shipping and Receiving N/D
	005	B	Black caulking around exterior window on the exterior of the building, Lower Roof over Shipping and Receiving N/D
	005	C	Black caulking around exterior window on the exterior of the building, Lower Roof over Shipping and Receiving N/D
	008	A	Drywall joint compound-wall, Level 3 Classroom a) N/D b) N/D
	008	B	Drywall joint compound-wall, Level 3 Classroom N/D
	008	C	Drywall joint compound-wall, Level 3 Classroom a) N/D b) N/D



Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	009	A	Smooth plaster-bulkhead, Level 3 Spine Support Room a) NID b) NID
	009	B	Smooth plaster-bulkhead, Level 3 Spine Support Room a) NID b) NID
	009	C	Smooth plaster-bulkhead, Level 3 Storage Room a) NID b) NID



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name:	HHS Hamilton General, East Roof, 237 Barton St E Hamilton		
Project No.:	0200249.064		
Prepared For:	F. Rossi / M. Maiorana	Date Received:	December 11, 2017
Lab Reference No.:	b181708	Date Analyzed:	December 12, 2017
Analyst(s):	L. DeCurtis	# Samples submitted:	12
		# Phases analyzed:	18

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Newfoundland and Labrador, PEI and New Brunswick	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty is available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: HHS Hamilton General, East Roof, 237 Barton St E Hamilton
Project No.: 0200249.064
Prepared For: F. Rossi / M. Maiorana

Lab Reference No.: b181708
Date Analyzed: December 12, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0001A roof sample on west side of roof east wing	3 Phases: a) Non-homogeneous, black and dark brown, layered paper and tar.	None Detected	Cellulose 5-10% Tar and other non- fibrous > 75%
	b) Non-homogeneous, black, compressed, layered roofing material.	None Detected	Man-made Vitreous Fibres > 75% Tar and other non- fibrous 5-10%
	c) Homogeneous, black, tar material.	None Detected	Tar and other non- fibrous > 75%
Comments:	This sample is large in size. A representative portion was taken and analyzed.		
0001B east side of roof sample	3 Phases: a) Non-homogeneous, black and dark brown, layered paper and tar.	None Detected	Cellulose 5-10% Tar and other non- fibrous > 75%
	b) Non-homogeneous, black, compressed, layered roofing material.	None Detected	Man-made Vitreous Fibres > 75% Tar and other non- fibrous 5-10%
	c) Homogeneous, black, tar material.	None Detected	Tar and other non- fibrous > 75%
Comments:	This sample is large in size. A representative portion was taken and analyzed.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: HHS Hamilton General, East Roof, 237 Barton St E Hamilton
Project No.: 0200249.064
Prepared For: F. Rossi / M. Maiorana

Lab Reference No.: b181708
Date Analyzed: December 12, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0001C centre part of roof sample	3 Phases: a) Non-homogeneous, black and dark brown, layered paper and tar.	None Detected	Cellulose 5-10% Tar and other non-fibrous > 75%
	b) Non-homogeneous, black, compressed, layered roofing material.	None Detected	Man-made Vitreous Fibres > 75% Tar and other non-fibrous 5-10%
	c) Homogeneous, black, tar material.	None Detected	Tar and other non-fibrous > 75%
Comments:	This sample is large in size. A representative portion was taken and analyzed.		
0002A dark brown caulking on flashing on north side of roof	Homogeneous, dark brown, caulking material.	None Detected	Non-Fibrous Material > 75%
0002B dark brown caulking on flashing on north side of roof	Homogeneous, dark brown, caulking material.	None Detected	Non-Fibrous Material > 75%
0002C dark brown caulking on flashing on north side of roof	Homogeneous, dark brown, caulking material.	None Detected	Non-Fibrous Material > 75%
0003A light brown caulking on flashing on south side of roof	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: HHS Hamilton General, East Roof, 237 Barton St E Hamilton
Project No.: 0200249.064
Prepared For: F. Rossi / M. Maiorana

Lab Reference No.: b181708
Date Analyzed: December 12, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0003B light brown caulking on flashing on south side of roof	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
0003C light brown caulking on flashing on south side of roof	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
0004A Light brown sprayed fire proofing on beam below roof on east side of roof	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 25-50% Man-made Vitreous 5-10% Fibres Vermiculite 10-25% Other Non-Fibrous 25-50%
0004B Light brown sprayed fire proofing on beam below roof on east side of roof	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 25-50% Man-made Vitreous 5-10% Fibres Vermiculite 10-25% Other Non-Fibrous 25-50%
0004C Light brown sprayed fire proofing on beam below roof on east side of roof	Homogeneous, beige, soft, cementitious material.	None Detected	Cellulose 25-50% Man-made Vitreous 5-10% Fibres Vermiculite 10-25% Other Non-Fibrous 25-50%

Reviewed by:

Reporting Analyst:



Instructions:

RUSH

Analyzed by: [Signature]
Reviewed by: WB
Report Sent by: EL

**Pinchin Ltd. - Asbestos Laboratory
Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	HHS Hamilton General	Project Address:	237 Barton St E Hamilton
Portfolio/Building No:	East Roof	Pinchin File:	200249.064
Submitted by:	Frank Rossi	Email:	frossi@pinchin.com
CC Results to:	Mike Maiorana	CC Email:	mmaiorana@pinchin.com
Invoice to:	Mike Maiorana	Invoice Email:	mmaiorana@pinchin.com
Date Submitted:	December 11 2017	Required by:	December 12 2017
# of Samples:	12	Priority:	Select RUSH
Year of Building Construction (Mandatory Field):	1940		
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):	Pinchin		

To be Completed by Lab Personnel Only:

Lab Reference #:	6181708	Time:	24 hour clock		
Received by:	DEC 11 2017 [Signature]	Date:	Month	Day	Year
Name(s) of Analyst(s):	[Signature] 17/12/17				

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0001	A	roof sample on west side of roof east wing a) ND b) ND c) ND
	0001	B	east side of roof sample a) ND b) ND c) ND
	0001	C	centre part of roof sample a) ND b) ND c) ND
	0002	A	dark brown caulking on flashing on north side of roof ND
	0002	B	dark brown caulking on flashing on north side of roof ND
	0002	C	dark brown caulking on flashing on north side of roof ND



Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0003	A	light brown caulking on flashing on south side of roof ND
	0003	B	light brown caulking on flashing on south side of roof ND
	0003	C	light brown caulking on flashing on south side of roof ND
	0004	A	Light brown sprayed fire proofing on beam below roof on east side of roof ND
	0004	B	Light brown sprayed fire proofing on beam below roof on east side of roof ND
	0004	C	Light brown sprayed fire proofing on beam below roof on east side of roof ND



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name:	Hamilton General Hospital (HHS), 237 Barton St, Hamilton, On		
Project No.:	0200249.024		
Prepared For:	F. Rossi / D. Palus	Date Received:	December 7, 2017
Lab Reference No.:	b181526	Date Analyzed:	December 13, 2017
Analyst(s):	A. Lebar Vertolli	# Samples submitted:	18
		# Phases analyzed:	24

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Newfoundland and Labrador, PEI and New Brunswick	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

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This report relates only to the items tested.

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Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton General Hospital (HHS), 237 Barton St, Hamilton, On
Project No.: 0200249.024
Prepared For: F. Rossi / D. Palus

Lab Reference No.: b181526
Date Analyzed: December 13, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0001A Texture plaster wall outside basement mechanical room McMaster Wing	2 Phases: a) Homogeneous, off-white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, soft, cementitious material.	Chrysotile 5-10%	Non-Fibrous Material > 75%
0001B Texture plaster wall outside basement mechanical room McMaster Wing	2 Phases: a) Homogeneous, off-white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, soft, cementitious material.	Chrysotile 5-10%	Non-Fibrous Material > 75%
0001C Texture plaster wall outside basement mechanical room McMaster Wing	2 Phases: a) Homogeneous, off-white, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, soft, cementitious material.	Chrysotile 5-10%	Non-Fibrous Material > 75%
0002A Drywall compound on bulkhead - electrical mechanical room in basement McMaster Wing unpainted	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton General Hospital (HHS), 237 Barton St, Hamilton, On
Project No.: 0200249.024
Prepared For: F. Rossi / D. Palus

Lab Reference No.: b181526
Date Analyzed: December 13, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0002B Drywall compound on bulkhead - electrical mechanical room in basement McMaster Wing unpainted	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
0002C Drywall compound on bulkhead - electrical mechanical room in basement McMaster Wing unpainted	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
0003A Drywall compound on ceiling - electrical mechanical room in basement McMaster Wing ceiling painted	Homogeneous, light beige, drywall joint compound.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		
0003B Drywall compound on ceiling - electrical mechanical room in basement McMaster Wing ceiling painted	Homogeneous, light beige, drywall joint compound.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton General Hospital (HHS), 237 Barton St, Hamilton, On
Project No.: 0200249.024
Prepared For: F. Rossi / D. Palus

Lab Reference No.: b181526
Date Analyzed: December 13, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)		
		ASBESTOS		OTHER
0003C Drywall compound on ceiling - electrical mechanical room in basement McMaster Wing ceiling painted	Homogeneous, light beige, drywall joint compound.	Chrysotile	0.5-5%	Non-Fibrous Material > 75%
Comments:	Cellulose is present on the surface of this sample.			
0004A Sprayed fire proofing on beam in East Wing Elevator Penthouse	Homogeneous, beige, soft, parging cement.	None Detected		Cellulose 10-25% Man-made Vitreous Fibres 10-25% Vermiculite 5-10% Other Non-Fibrous 50-75%
0004B Sprayed fire proofing on beam in East Wing Elevator Penthouse	Homogeneous, beige, soft, parging cement.	None Detected		Cellulose 10-25% Man-made Vitreous Fibres 10-25% Vermiculite 5-10% Other Non-Fibrous 50-75%
0004C Sprayed fire proofing on beam in East Wing Elevator Penthouse	Homogeneous, beige, soft, parging cement.	None Detected		Cellulose 10-25% Man-made Vitreous Fibres 10-25% Vermiculite 5-10% Other Non-Fibrous 50-75%
0005A Drywall compound east wing elevator penthouse	Homogeneous, white, drywall joint compound.	None Detected		Non-Fibrous Material > 75%
0005B Drywall compound east wing elevator penthouse	Homogeneous, white, drywall joint compound.	None Detected		Non-Fibrous Material > 75%



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton General Hospital (HHS), 237 Barton St, Hamilton, On
Project No.: 0200249.024
Prepared For: F. Rossi / D. Palus

Lab Reference No.: b181526
Date Analyzed: December 13, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0005C Drywall compound east wing elevator penthouse	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
0006A Smooth plaster on north wall of east wing elevator shaft	a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected	Cellulose 5-10% Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
0006B Smooth plaster on north wall of east wing elevator shaft	a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected	Cellulose 5-10% Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
0006C Smooth plaster on north wall of east wing elevator shaft	a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected	Cellulose 5-10% Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%

Reviewed by:

Reporting Analyst:



Analyzed by: ASW
 Reviewed by: AC
 Report Sent by: JRB

Instructions:

**Pinchin Ltd. - Asbestos Laboratory
 Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	Hamilton General Hospital (HHS)	Project Address:	237 Barton St, Hamilton, On
Portfolio/Building No:		Pinchin File:	200249.024
Submitted by:	Frank Rossi	Email:	frossi@pinchin.com
CC Results to:	Damian Palus	CC Email:	dpalus@pinchin.com
Invoice to:	Damian Palus	Invoice Email:	dpalus@pinchin.com
Date Submitted:	December 6 2017	Required by:	December 14 2017
# of Samples:	18	Priority:	Select <u>Reg</u>
Year of Building Construction (Mandatory Field):	1940		
Do NOT Stop on Positive (Sample Numbers):	Do not do stop positive on sets 0001, 0002,0003,0005, 0006		
Pinchin Group Company (Mandatory Field):	Pinchin		

To be Completed by Lab Personnel Only:

Lab Reference #:	<u>D181526</u>	Time:	24 hour clock
Received by:	<u>DEC 07 2017 JR</u>	Date:	Month Day Year
Name(s) of Analyst(s):	<u>ASW</u>		<u>13-Dec-17 (24)</u>

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0001	A	Texture plaster wall outside basement mechanical room McMaster Wing a) NO b) CHS-10
	0001	B	Texture plaster wall outside basement mechanical room McMaster Wing a) NO b) CHS-10
	0001	C	Texture plaster wall outside basement mechanical room McMaster Wing a) NO b) CHS-10
	0002	A	Drywall compound on bulkhead - electrical mechanical room in basement McMaster Wing unpainted NO
	0002	B	Drywall compound on bulkhead - electrical mechanical room in basement McMaster Wing unpainted NO
	0002	C	Drywall compound on bulkhead - electrical mechanical room in basement McMaster Wing unpainted NO



Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0003	A	Drywall compound on ceiling - electrical mechanical room in basement McMaster Wing ceiling painted CH 0.5-5
	0003	B	Drywall compound on ceiling - electrical mechanical room in basement McMaster Wing ceiling painted CH 0.5-5
	0003	C	Drywall compound on ceiling - electrical mechanical room in basement McMaster Wing ceiling painted CH 0.5-5
	0004	A	Sprayed fire proofing on beam in East Wing Elevator Penthouse ND
	0004	B	Sprayed fire proofing on beam in East Wing Elevator Penthouse ND
	0004	C	Sprayed fire proofing on beam in East Wing Elevator Penthouse ND
	0005	A	Drywall compound east wing elevator penthouse ND
	0005	B	Drywall compound east wing elevator penthouse ND
	0005	C	Drywall compound east wing elevator penthouse ND
	0006	A	Smooth plaster on north wall of east wing elevator shaft a) ND b) ND
	0006	B	Smooth plaster on north wall of east wing elevator shaft a) ND b) ND
	0006	C	Smooth plaster on north wall of east wing elevator shaft a) ND b) ND



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
6-875 Main St West
Suite 200
Hamilton, Ontario L8S 4P9

Attn: Frank Rossi
Michael Maiorana

Lab Order ID: 11811296
Analysis ID: 11811296_PLM
Date Received: 5/8/2018
Date Reported: 5/12/2018

Project: 217420.021,237 Barton Street East, Hamilton ,Hamilton Health Sciences,Hamilton General Hospital

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0001A	Drywall joint compound interior wall in lab	None Detected		100% Other	White Non Fibrous Homogeneous
11811296PLM_1					Crushed
0001B	Drywall joint compound interior wall in lab	None Detected		100% Other	White Non Fibrous Homogeneous
11811296PLM_2					Crushed
0001C	Drywall joint compound interior wall in lab	None Detected		100% Other	White Non Fibrous Homogeneous
11811296PLM_3					Crushed
0002A	Brown spray applied insulation on deck above ceiling in lab	None Detected	20% Cellulose 10% Fiber Glass	40% Other 30% Vermiculite	Beige Fibrous Heterogeneous
11811296PLM_4					Teased
0002B	Brown spray applied insulation on deck above ceiling in lab	None Detected	20% Cellulose 10% Fiber Glass	40% Other 30% Vermiculite	Beige Fibrous Heterogeneous
11811296PLM_5					Teased
0002C	Brown spray applied insulation on deck above ceiling in lab	None Detected	20% Cellulose 10% Fiber Glass	40% Other 30% Vermiculite	Beige Fibrous Heterogeneous
11811296PLM_6					Teased
0003A	Baseboard adhesive on back of vinyl baseboard in lab	None Detected		100% Other	Cream Non Fibrous Homogeneous
11811296PLM_7					Ashed
0003B	Baseboard adhesive on back of vinyl baseboard in lab	None Detected		100% Other	Cream Non Fibrous Homogeneous
11811296PLM_8					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (30)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
6-875 Main St West
Suite 200
Hamilton, Ontario L8S 4P9

Attn: Frank Rossi
Michael Maiorana

Lab Order ID: 11811296
Analysis ID: 11811296_PLM
Date Received: 5/8/2018
Date Reported: 5/12/2018

Project: 217420.021,237 Barton Street East, Hamilton ,Hamilton Health Sciences,Hamilton General Hospital

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0003C	Baseboard adhesive on back of vinyl baseboard in lab	None Detected		100% Other	Cream Non Fibrous Homogeneous
11811296PLM_9					Ashed
0004A	24 x 48 lay in tiles pinholes and random flecks	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	Gray Fibrous Homogeneous
11811296PLM_10					Ashed
0004B	24 x 48 lay in tiles pinholes and random flecks	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	Gray Fibrous Homogeneous
11811296PLM_11					Ashed
0004C	24 x 48 lay in tiles pinholes and random flecks	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	Gray Fibrous Homogeneous
11811296PLM_12					Ashed
0005A	White under sink coating on sink in lab	None Detected		100% Other	White Non Fibrous Homogeneous
11811296PLM_13					Dissolved
0005B	White under sink coating on sink in lab	None Detected		100% Other	White Non Fibrous Homogeneous
11811296PLM_14					Dissolved
0005C	White under sink coating on sink in lab	None Detected		100% Other	White Non Fibrous Homogeneous
11811296PLM_15					Dissolved
0006A	Black lab counter top	None Detected		100% Other	Black Non Fibrous Homogeneous
11811296PLM_16					Ashed

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Megan Javonovich (30)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
6-875 Main St West
Suite 200
Hamilton, Ontario L8S 4P9

Attn: Frank Rossi
Michael Maiorana

Lab Order ID: 11811296
Analysis ID: 11811296_PLM
Date Received: 5/8/2018
Date Reported: 5/12/2018

Project: 217420.021,237 Barton Street East, Hamilton ,Hamilton Health Sciences,Hamilton General Hospital

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0006B	Black lab counter top	None Detected		100% Other	Black Non Fibrous Homogeneous
11811296PLM_17					Ashed
0006C	Black lab counter top	None Detected		100% Other	Black Non Fibrous Homogeneous
11811296PLM_18					Ashed
0007A - A	12 x 12 white with black lines under shelving unit	None Detected		100% Other	White Non Fibrous Homogeneous
11811296PLM_19	tile				Dissolved
0007A - B	12 x 12 white with black lines under shelving unit	None Detected		100% Other	Yellow Non Fibrous Homogeneous
11811296PLM_25	mastic				Dissolved
0007B - A	12 x 12 white with black lines under shelving unit	None Detected		100% Other	White Non Fibrous Homogeneous
11811296PLM_20	tile				Dissolved
0007B - B	12 x 12 white with black lines under shelving unit	None Detected		100% Other	Yellow Non Fibrous Homogeneous
11811296PLM_26	mastic				Dissolved
0007C - A	12 x 12 white with black lines under shelving unit	None Detected		100% Other	White Non Fibrous Homogeneous
11811296PLM_21	tile - ashed				Ashed
0007C - B	12 x 12 white with black lines under shelving unit	None Detected		100% Other	Yellow Non Fibrous Homogeneous
11811296PLM_27	mastic				Dissolved

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Megan Javonovich (30)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
6-875 Main St West
Suite 200
Hamilton, Ontario L8S 4P9

Attn: Frank Rossi
Michael Maiorana

Lab Order ID: 11811296
Analysis ID: 11811296_PLM
Date Received: 5/8/2018
Date Reported: 5/12/2018

Project: 217420.021,237 Barton Street East, Hamilton ,Hamilton Health Sciences,Hamilton General Hospital

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0008A - A	12 x 12 white with grey flecks main floor of lab	None Detected		100% Other	White Non Fibrous Homogeneous
11811296PLM_22	tile				Dissolved
0008A - B	12 x 12 white with grey flecks main floor of lab	None Detected		100% Other	Black Non Fibrous Homogeneous
11811296PLM_28	mastic				Dissolved
0008B - A	12 x 12 white with grey flecks main floor of lab	None Detected		100% Other	White Non Fibrous Homogeneous
11811296PLM_23	tile				Dissolved
0008B - B	12 x 12 white with grey flecks main floor of lab	None Detected		100% Other	Black Non Fibrous Homogeneous
11811296PLM_29	mastic				Dissolved
0008C - A	12 x 12 white with grey flecks main floor of lab	None Detected		100% Other	White Non Fibrous Homogeneous
11811296PLM_24	tile - ashed				Ashed
0008C - B	12 x 12 white with grey flecks main floor of lab	None Detected		100% Other	Black Non Fibrous Homogeneous
11811296PLM_30	mastic				Dissolved


Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (30)

Analyst

Approved Signatory

11811296
Version 1-15-2012

Client:	Pinchin Ltd.	<p>*Instructions: Use Column "B" for your contact info</p> <p>To See an Example Click the bottom Example Tab.</p> <p>Enter samples between "<<" and ">>"</p> <p>Begin Samples with a "<<" above the first sample and end with a ">>" below the last sample. Only Enter your data on the first sheet "Sheet1"</p> <p>Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included</p> <p>in the electronic data returned to you to facilitate your reintegration of the report data.</p>	Invoice to:
Contact:	Frank Rossi		mmaiorana@pinchin.com
Address:	875 Main Street W., Unit 11 Hamilton, ON L8S 4R9		
Phone:	905-577-6206		
Fax:	905-577-6207		4604 Dundas Dr.
Email:	frossi@pinchin.com mmaiorana@pinchin.com		Greensboro, NC 27407
Project:	217420.021, 237 Barton Street East, Hamilton ,Hamilton Health Sciences,Hamilton General Hospital		Phone: 336.292.3888
Client Notes:			Fax: 336.292.3313
P.O. #:	217420.021		Email: lab@sailab.com
Date Submitted:	May 7,2018		
Analysis:	PLM - Stop Positive EXCEPT Do not do Stop Positive on Drywall samples		
TurnAroundTime:	4days		

Sample Number	Data 1 (Lab use only)	Sample Description	Data 2 (Lab use only)
<<			
0001A		Drywall joint compound interior wall in lab	
0001B		Drywall joint compound interior wall in lab	
0001C		Drywall joint compound interior wall in lab	
0002A		Brown spray applied insulation on deck above ceiling in lab	
0002B		Brown spray applied insulation on deck above ceiling in lab	
0002C		Brown spray applied insulation on deck above ceiling in lab	
0003A		Baseboard adhesive on back of vinyl baseboard in lab	
0003B		Baseboard adhesive on back of vinyl baseboard in lab	
0003C		Baseboard adhesive on back of vinyl baseboard in lab	
0004A		24 x 48 lay in tiles pinholes and random flecks	
0004B		24 x 48 lay in tiles pinholes and random flecks	

Accepted

Rejected

K. Hamilton
5/8/18
10:30 AM

11 811296

0004C	24 x 48 lay in tiles pinholes and random flecks
0005A	White under sink coating on sink in lab
0005B	White under sink coating on sink in lab
0005C	White under sink coating on sink in lab
0006A	Black lab counter top
0006B	Black lab counter top
0006C	Black lab counter top
0007A	12 x 12 white with black lines under shelving unit
0007B	12 x 12 white with black lines under shelving unit
0007C	12 x 12 white with black lines under shelving unit
0008A	12 x 12 white with grey flecks main floor of lab
0008B	12 x 12 white with grey flecks main floor of lab
0008C	12 x 12 white with grey flecks main floor of lab
>>	



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Pinchin Ltd.
 6-875 Main St West
 Suite 200
 Hamilton, Ontario L8S 4P9

Project: 217420.030 Hamilton General Hospital

Attn: Leslie Cantar

Lab Order ID: 51821456
Analysis ID: 51821456_PLM
Date Received: 8/21/2018
Date Reported: 8/29/2018

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
2018-0001A	Vinyl sheet flooring, light grey pebbles, Group Room 1 (7), Basement, Intern's Residence	None Detected	60% Cellulose 10% Synthetic Fibers	30% Other	Gray Non Fibrous Homogeneous
51821456PLM_1					Teased, Crushed
2018-0001B	Vinyl sheet flooring, light grey pebbles, Group Room 3 (5), Basement, Intern's Residence	None Detected	60% Cellulose 10% Synthetic Fibers	30% Other	Gray Non Fibrous Homogeneous
51821456PLM_2					Teased, Crushed
2018-0001C - A	Vinyl sheet flooring, light grey pebbles, SE Washroom, Level 1, Intern's Residence	None Detected	60% Cellulose 10% Synthetic Fibers	30% Other	Gray Non Fibrous Homogeneous
51821456PLM_3	vinyl sheet flooring				Teased, Crushed
2018-0001C - B	Vinyl sheet flooring, light grey pebbles, SE Washroom, Level 1, Intern's Residence	None Detected		100% Other	Yellow Non Fibrous Homogeneous
51821456PLM_16	mastic				Dissolved
2018-0002A - A	Red vinyl flooring, Main Stairwell, Landing between Basement and 1, Intern's Resid	None Detected		100% Other	Red Non Fibrous Homogeneous
51821456PLM_4	tile				Crushed, Ashed
2018-0002A - B	Red vinyl flooring, Main Stairwell, Landing between Basement and 1, Intern's Resid	None Detected		100% Other	Brown Non Fibrous Homogeneous
51821456PLM_17	mastic				Dissolved
2018-0002B - A	Red vinyl flooring, Main Stairwell, Landing between 1 and 2, Intern's Residence	None Detected		100% Other	Red Non Fibrous Homogeneous
51821456PLM_5	tile				Crushed, Ashed
2018-0002B - B	Red vinyl flooring, Main Stairwell, Landing between 1 and 2, Intern's Residence	None Detected		100% Other	Brown Non Fibrous Homogeneous
51821456PLM_18	mastic				Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Heather Davide (25)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Pinchin Ltd.
6-875 Main St West
Suite 200
Hamilton, Ontario L8S 4P9
Project: 217420.030 Hamilton General Hospital

Attn: Leslie Cantar

Lab Order ID: 51821456
Analysis ID: 51821456_PLM
Date Received: 8/21/2018
Date Reported: 8/29/2018

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
2018-0002C - A	Red vinyl flooring, Main Stairwell, Landing at Level 3, Intern's Residence	None Detected		100% Other	Red Non Fibrous Homogeneous
51821456PLM_6	tile - ashed				Crushed, Ashed
2018-0002C - B	Red vinyl flooring, Main Stairwell, Landing at Level 3, Intern's Residence	None Detected		100% Other	Brown Non Fibrous Homogeneous
51821456PLM_19	mastic				Dissolved
2018-0003A - A	Vinyl sheet flooring, beige pebbles, SW Former W/C, Level 1, Intern's Residence	None Detected	50% Cellulose 10% Synthetic Fibers	40% Other	Beige Non Fibrous Homogeneous
51821456PLM_7	vinyl sheet flooring				Teased, Crushed
2018-0003A - B	Vinyl sheet flooring, beige pebbles, SW Former W/C, Level 1, Intern's Residence	None Detected		100% Other	Black Non Fibrous Homogeneous
51821456PLM_20	mastic				Dissolved
2018-0003B - A	Vinyl sheet flooring, beige pebbles, SW Former W/C, Level 1, Intern's Residence	None Detected	50% Cellulose 10% Synthetic Fibers	40% Other	Beige Non Fibrous Homogeneous
51821456PLM_8	vinyl sheet flooring				Teased, Crushed
2018-0003B - B	Vinyl sheet flooring, beige pebbles, SW Former W/C, Level 1, Intern's Residence	None Detected		100% Other	Black, Yellow Non Fibrous Homogeneous
51821456PLM_21	mixed mastics				Dissolved
2018-0003C - A	Vinyl sheet flooring, beige pebbles, SW Former W/C, Level 1, Intern's Residence	None Detected	50% Cellulose 10% Synthetic Fibers	40% Other	Beige Non Fibrous Homogeneous
51821456PLM_9	vinyl sheet flooring				Teased, Crushed
2018-0003C - B	Vinyl sheet flooring, beige pebbles, SW Former W/C, Level 1, Intern's Residence	None Detected		100% Other	Black, Yellow Non Fibrous Homogeneous
51821456PLM_22	mixed mastics				Dissolved

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Heather Davide (25)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Pinchin Ltd.
 6-875 Main St West
 Suite 200
 Hamilton, Ontario L8S 4P9

Project: 217420.030 Hamilton General Hospital

Attn: Leslie Cantar

Lab Order ID: 51821456
Analysis ID: 51821456_PLM
Date Received: 8/21/2018
Date Reported: 8/29/2018

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
2018-0004A - A	9" x 9" vinyl floor tiles, beige in checker layout, Corridor, Level 2, Intern's Residence	3% Chrysotile		97% Other	Gray, Beige Non Fibrous Homogeneous
51821456PLM_10	tile				Crushed, Dissolved
2018-0004A - B	9" x 9" vinyl floor tiles, beige in checker layout, Corridor, Level 2, Intern's Residence	2% Chrysotile		98% Other	Black Non Fibrous Homogeneous
51821456PLM_23	mastic				Dissolved
2018-0004B - A	9" x 9" vinyl floor tiles, grey in checker layout, Corridor, Level 2, Intern's Residence	Not Analyzed			
51821456PLM_11	tile				
2018-0004B - B	9" x 9" vinyl floor tiles, grey in checker layout, Corridor, Level 2, Intern's Residence	Not Analyzed			
51821456PLM_24	mastic				
2018-0004C - A	9" x 9" vinyl floor tiles, beige in checker layout, Corridor, Level 2, Intern's Residence	Not Analyzed			
51821456PLM_12	tile				
2018-0004C - B	9" x 9" vinyl floor tiles, beige in checker layout, Corridor, Level 2, Intern's Residence	Not Analyzed			
51821456PLM_25	mastic				
2018-0005A	Brown vinyl flooring, Stairwell to Basement, McMaster Wing	None Detected		100% Other	Brown Non Fibrous Homogeneous
51821456PLM_13					Crushed, Ashed
2018-0005B	Brown vinyl flooring, Stairwell to Basement, McMaster Wing	None Detected		100% Other	Brown Non Fibrous Homogeneous
51821456PLM_14					Crushed, Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Heather Davide (25)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Pinchin Ltd.
6-875 Main St West
Suite 200
Hamilton, Ontario L8S 4P9

Attn: Leslie Cantar

Project: 217420.030 Hamilton General Hospital

Lab Order ID: 51821456
Analysis ID: 51821456_PLM
Date Received: 8/21/2018
Date Reported: 8/29/2018

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
2018-0005C	Brown vinyl flooring, Stairwell to Basement, McMaster Wing	None Detected		100% Other	Brown Non Fibrous Homogeneous
51821456PLM_15					Crushed, Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Heather Davide (25)

Analyst

Approved Signatory

51821456

Version 1-15-2012

Client: Pinchin Ltd.
Contact: Leslie Cantar
Address: 6-875 Main St W, Hamilton, ON
Phone: 289.237.4294
Fax: 905.577.6207
Email: lcantar@pinchin.com

Project: 217420.030 Hamilton General Hospital

Client Notes: Stop positive on all samples. Perform gravimetric reduction on third vinyl floor tile if first two are ND.

P.O. #: 217420.030 GHG

Date Submitted: 8/16/2018 0:00

Analysis: PLM BULK EPA 600
TurnAroundTime: 6+ Days

***Instructions:**
 Use Column "B" for your contact info

To See an Example Click the bottom Example Tab.


Enter samples between "<<" and ">>"
 Begin Samples with a "<<" above the first sample and end with a ">>" below the last sample.

Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.

Invoice to:
 ap@pinchin.com
 ap@pinchin.com

Scientific Analytical Institute



**4604 Dundas Dr.
 Greensboro, NC 27407
 Phone: 336.292.3888
 Fax: 336.292.3313
 Email: lab@sailab.com**

Sample Number	Data 1 (Lab use only)	Sample Description	Data 2 (Lab use only)
---------------	-----------------------	--------------------	-----------------------

<<			
2018-0001A		Vinyl sheet flooring, light grey pebbles, Group Room 1 (7), Basement, Intern's Residence	
2018-0001B		Vinyl sheet flooring, light grey pebbles, Group Room 3 (5), Basement, Intern's Residence	
2018-0001C		Vinyl sheet flooring, light grey pebbles, SE Washroom, Level 1, Intern's Residence	
2018-0002A		Red vinyl flooring, Main Stairwell, Landing between Basement and 1, Intern's Residence	
2018-0002B		Red vinyl flooring, Main Stairwell, Landing between 1 and 2, Intern's Residence	
2018-0002C		Red vinyl flooring, Main Stairwell, Landing at Level 3, Intern's Residence	
2018-0003A		Vinyl sheet flooring, beige pebbles, SW Former W/C, Level 1, Intern's Residence	
2018-0003B		Vinyl sheet flooring, beige pebbles, SW Former W/C, Level 1, Intern's Residence	
2018-0003C		Vinyl sheet flooring, beige pebbles, SW Former W/C, Level 1, Intern's Residence	
2018-0004A		9" x 9" vinyl floor tiles, beige in checker layout, Corridor, Level 2, Intern's Residence	
2018-0004B		9" x 9" vinyl floor tiles, grey in checker layout, Corridor, Level 2, Intern's Residence	
2018-0004C		9" x 9" vinyl floor tiles, beige in checker layout, Corridor, Level 2, Intern's Residence	

Accepted 8-21 10:30

Accepted
Rejected

2018-0005A

2018-0005B

2018-0005C

>>

Brown vinyl flooring, Stairwell to Basement, McMaster Wing

Brown vinyl flooring, Stairwell to Basement, McMaster Wing

Brown vinyl flooring, Stairwell to Basement, McMaster Wing

APPENDIX III
Data Tables



DATA TABLES OF ASBESTOS LOCATIONS GENERAL HOSPITAL

Main Building

Material	Locations	Approximate Quantity	ACM
Metallic undercoating on sinks	Throughout	All	Chrysotile

East Wing

Material	Locations	Approximate Quantity	ACM
Residual sprayed fireproofing	Covered by new non-asbestos sprayed fireproofing	Unknown	Chrysotile
Texture finish	Level 1 men's and women's washrooms, on plaster ceiling above drywall ceiling	75 SF	Chrysotile
Parging cement on pipe fittings	Penthouse	4 Fittings	Chrysotile
Parging cement on pipe fittings	Basement Corridor/Pipe Chase on Sweatwrap Pipe Insulation	20 hangers	Presumed
Sweatwrap pipe insulation	Basement Corridor/Pipe Chase and Crawlspace	50 LF	Presumed
Tar insulation	Rooftop air handling units	All	Presumed
Transite duct bank	Re-buried under Copeland Avenue	Unknown	Presumed

**Data Tables of ACM Locations**Hamilton General Hospital, 237 Barton Street East, Hamilton, Ontario
Hamilton Health SciencesJanuary 16, 2019
Pinchin File: 217420.030
Appendix III**Intern's Residence**

Material	Locations	Approximate Quantity	ACM
Plaster walls and ceilings	Throughout	All	Chrysotile
9" x 9" green and grey vinyl floor tiles and mastic	Corridors, lounges and some intern's rooms	All	Chrysotile (tile and mastic)

McMaster Wing

Material	Locations	Approximate Quantity	ACM
12" x 12" glued-on acoustic ceiling tiles (scattered dot and fissures)	Margaret Charter's Auditorium and adjacent Storage Rooms	500 SF	Chrysotile & Amosite
12" x 12" glued-on acoustic ceiling tiles (medium and small pinholes)	Second Floor in south corridor at elevator and above lay-in ceiling tiles throughout	All	Amosite
Textured plaster	Throughout	All	Chrysotile
Plaster walls	Stairwells	All	Chrysotile
Drywall joint compound	Throughout	All	Chrysotile
Vinyl sheet flooring	Throughout – Non-ACM but present on top of ACM vinyl floor tiles	All	Chrysotile
Vinyl floor tiles and mastic	Present beneath vinyl sheet flooring	All	Chrysotile

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HAMHEALT,2018AsbReassess,VarSit,ASB,CONS\Deliverables\HGHVAppendix III Data Tables\217420.030 Final HHS General ACM Data Tables.docx

Template: Master Photo Appendix, HazMat, July 21, 2017

APPENDIX IV
ECOH Bulk Sampling Report

Hamilton Health Sciences Corporation
1200 Main Street West,
Hamilton, ON

May 24, 2017

Attention: **Mr. Corey LeGris**
Hazardous Materials Specialist | Facilities Management

Re: **Bulk Sample Analysis for Asbestos-containing Materials (ACMs)**
Hamilton General Hospital – East, North, Interns Residence, McMaster
Wings and Parking Garage
237 Barton Street East, Hamilton, Ontario
ECO Project Number: 17429

ECO Management Inc. (ECO) was retained by Hamilton Health Sciences Corporation (HHSC) to provide environmental consulting services at the Hamilton General Hospital located at 237 Barton Street East, Hamilton, Ontario. The following letter report documents the environmental consulting services provided by ECO, which includes bulk sampling and analysis for asbestos content in various building materials (drywall joint compound (ceilings), plaster ceilings and acoustic ceiling tiles) throughout the East, North, Interns Residence, and McMaster Wings and the Parking Garage of Hamilton General Hospital. Ms. Carlie Goodhead, and Ms. Brittanie Semper of ECO were on-site April 4-6, 2017 to collect and submit bulk samples of various building materials for laboratory analysis to determine asbestos content.

All samples were submitted to the laboratory for regular turnaround time analysis on May 1, 2017. The Certificate of Analysis for all sampling is provided at the end of the report. The sampling methodology and complete results of the sampling program are described herein.

Asbestos Bulk Sample Analysis:

As per the requirements of Ontario Regulation 278/05, multiple samples (ranging from 1 to 7 depending on quantity and type of material) are required to confirm the absence of asbestos. Only one positive result (i.e. confirming the presence of asbestos) is required to classify a material as asbestos-containing. Therefore, ECO's sampling strategy involves the collection of sufficient numbers of samples to meet regulatory requirements, followed by instructions to the laboratory to cease analysis when one sample within a series has already proven positive for asbestos. Sampling required a small volume of material to be removed either from a damaged section of suspect material or cut from intact material and then repaired, where practicable, by sealing with tape to prevent fibre release. The collected samples were placed in plastic bags and sealed during shipment to an independent laboratory. A formal chain of custody procedure was maintained between ECO and the sub-contract laboratory during sample transport.

EMSL Canada, Inc. (EMSL), which is independent commercial laboratory, analyzed the bulk sample(s) collected. Analysis of these sample(s) occurred following the analytical method

prescribed by *Ontario Regulation 278/05, Designated Substance – Regulation respecting Asbestos on Construction Projects and in Buildings and Repair Operations*. The analytical method prescribed is the U.S. Environmental Protection Agency Test Method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, June 1993, using Polarized Light Microscopy (PLM). Although not required by provincial regulation, all laboratories used by ECOH are accredited under the U.S. National Voluntary Laboratory Accreditation Program (NVLAP) to ensure consistent, accurate and defensible results.

Table 1 below indicates the sample collection information and results for bulk sampling.

TABLE 1			
Summary of Bulk Samples			
Sample number	Location	Description	Asbestos Content
17429-HG-E1-01A	Level 1 - East Wing – Stairwell/Vestibule	Drywall Joint Compound Ceiling	None Detected
17429-HG-E1-01B	Level 1 - East Wing – Elevator Lobby	Drywall Joint Compound Ceiling	None Detected
17429-HG-E1-01C	Level 1 - East Wing – Meeting/Storage (Rm.31)	Drywall Joint Compound Ceiling	None Detected
17429-HG-E1-01D	Level 1 - East Wing – Meeting/Storage (Rm.31)	Drywall Joint Compound Ceiling	None Detected
17429-HG-E1-01E	Level 1 - East Wing – Janitor’s Closet	Drywall Joint Compound Ceiling	None Detected
17429-HG-E1-01F	Level 1 - East Wing – Corridor	Drywall Joint Compound Ceiling	None Detected
17429-HG-E1-01G	Level 1 - East Wing – Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-E1-03A	Level 1 - E Wing	Ceiling Tile 1 - 2' x 4' Pinholes w/ Small Fissures	None Detected
17429-HG-E1-03B	Level 1 - E Wing	Ceiling Tile 1 – 2' x 4' Pinholes w/ Small Fissures	None Detected
17429-HG-E1-03C	Level 1 - E Wing	Ceiling Tile 1 - 2' x 4' Pinholes w/ Small Fissures	None Detected
17429-HG-E1-05A	Level 1 - East Wing – Elevator Lobby	Drywall Joint Compound Walls	None Detected
17429-HG-E1-05B	Level 1 - East Wing – Treatment Room (1-09)	Drywall Joint Compound Walls	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-E1-05C	Level 1 - East Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-E1-05D	Level 1 - East Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-E1-05E	Level 1 - East Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-E1-05F	Level 1 - East Wing – Women’s Washroom	Drywall Joint Compound Walls	None Detected
17429-HG-E1-05G	Level 1 - East Wing – Foyer	Drywall Joint Compound Walls	None Detected
17429-HG-E1-06A	Level 1 – East Wing – Elevator Lobby	Plaster Wall	None Detected
17429-HG-E1-06B	Level 1 – East Wing – Foyer	Plaster Wall	None Detected
17429-HG-E1-06C	Level 1 – East Wing – Foyer	Plaster Wall	None Detected
17429-HG-E1-06D	Level 1 – East Wing – Foyer	Plaster Wall	None Detected
17429-HG-E1-06E	Level 1 – East Wing – Elevator Lobby	Plaster Wall	None Detected
17429-HG-E2-01A	Level 2 – East Wing – Elevator Lobby	Drywall Joint Compound Ceiling	None Detected
17429-HG-E2-01B	Level 2 – East Wing – Corridor	Drywall Joint Compound Ceiling	None Detected
17429-HG-E2-01C	Level 2 – East Wing – Corridor	Drywall Joint Compound Ceiling	None Detected
17429-HG-E2-01D	Level 2 – East Wing – Corridor	Drywall Joint Compound Ceiling	None Detected
17429-HG-E2-01E	Level 2 – East Wing – Corridor	Drywall Joint Compound Ceiling	None Detected
17429-HG-E2-01F	Level 2 – East Wing – Room 35	Drywall Joint Compound Ceiling	None Detected
17429-HG-E2-01G	Level 2 – East Wing – Room 13	Drywall Joint Compound Ceiling	None Detected
17429-HG-E2-02A	Level 2 – East Wing – South Stairwell	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-E2-02B	Level 2 – East Wing – Elevator Lobby	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E2-02C	Level 2 – East Wing – North Stairwell	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E2-02D	Level 2 – East Wing – North Stairwell	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E2-02E	Level 2 – East Wing – North Stairwell	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E2-02F	Level 2 – East Wing – North Stairwell	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E2-02G	Level 2 – East Wing – North Stairwell	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E2-03A	Level 2 – East Wing	Ceiling Tile 1 - 2' x 4' Pinhole w/ Small Fissures	None Detected
17429-HG-E2-03B	Level 2 – East Wing	Ceiling Tile 1 – 2' x 4' Pinhole w/ Small Fissures	None Detected
17429-HG-E2-03C	Level 2 – East Wing	Ceiling Tile 1 - 2' x 4' Pinhole w/ Small Fissures	None Detected
17429-HG-E2-05A	Level 2 – East Wing – Elevator Lobby	Drywall Joint Compound Walls	None Detected
17429-HG-E2-05B	Level 2 – East Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-E2-05C	Level 2 – East Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-E2-05D	Level 2 – East Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-E2-05E	Level 2 – East Wing – Women’s Washroom	Drywall Joint Compound Walls	None Detected
17429-HG-E2-05F	Level 2 – East Wing – Corridor	Drywall Joint Compound Walls	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-E2-05G	Level 2 – East Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-E2-06A	Level 2 – East Wing – Elevator Lobby	Plaster Walls	None Detected
17429-HG-E2-06B	Level 2 – East Wing - Corridor	Plaster Walls	None Detected
17429-HG-E2-06C	Level 2 – East Wing - Corridor	Plaster Walls	None Detected
17429-HG-E2-06D	Level 2 – East Wing - Corridor	Plaster Walls	None Detected
17429-HG-E2-06E	Level 2 – East Wing - Corridor	Plaster Walls	None Detected
17429-HG-E2-06F	Level 2 – East Wing - Janitor’s Closet	Plaster Walls	None Detected
17429-HG-E2-06G	Level 2 – East Wing - Corridor	Plaster Walls	None Detected
17429-HG-E2-07A	Level 2 – East Wing - Corridors	Fireproofing Material on Exposed Steel Beams	None Detected
17429-HG-E2-07B	Level 2 – East Wing - Corridors	Fireproofing Material on Exposed Steel Beams	None Detected
17429-HG-E2-07C	Level 2 – East Wing - Corridors	Fireproofing Material on Exposed Steel Beams	None Detected
17429-HG-E2-07D	Level 2 – East Wing - Corridors	Fireproofing Material on Exposed Steel Beams	None Detected
17429-HG-E2-07E	Level 2 – East Wing - Corridors	Fireproofing Material on Exposed Steel Beams	None Detected
17429-HG-E2-07F	Level 2 – East Wing - Corridors	Fireproofing Material on Exposed Steel Beams	None Detected
17429-HG-E2-07G	Level 2 – East Wing - Corridors	Fireproofing Material on Exposed Steel Beams	None Detected
17429-HG-E3-01A	Level 2 – East Wing – Elevator Lobby	Drywall Joint Compound Ceiling	None Detected
17429-HG-E3-01B	Level 2 – East Wing – Elevator Lobby	Drywall Joint Compound Ceiling	None Detected
17429-HG-E3-01C	Level 2 – East Wing – Women’s Change room	Drywall Joint Compound Ceiling	None Detected
17429-HG-E3-01D	Level 3 – East Wing – Men’s Change room	Drywall Joint Compound Ceiling	None Detected
17429-HG-E3-01E	Level 3 – East Wing – Men’s Change room	Drywall Joint Compound Ceiling	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-E3-01F	Level 3 – East Wing - Gym	Drywall Joint Compound Ceiling	None Detected
17429-HG-E3-01G	Level 3 – East Wing – Gym	Drywall Joint Compound Ceiling	None Detected
17429-HG-E3-02A	Level 3 – East Wing – Elevator Lobby	Plaster Ceiling	None Detected
17429-HG-E3-02B	Level 3 – East Wing – Stairwell	Plaster Ceiling	None Detected
17429-HG-E3-02C	Level 3 – East Wing – Janitor’s Closet	Plaster Ceiling	None Detected
17429-HG-E3-02D	Level 3 – East Wing – Washroom	Plaster Ceiling	None Detected
17429-HG-E3-02E	Level 3 – East Wing – Staff Room	Plaster Ceiling	None Detected
17429-HG-E3-02F	Level 3 – East Wing – Women’s Change room	Plaster Ceiling	None Detected
17429-HG-E3-02G	Level 3 – East Wing – North Stairwell	Plaster Ceiling	None Detected
17429-HG-E3-03A	Level 3 – East Wing	Ceiling Tile 1 - 2' x 4' Pinhole and Small Fissure	None Detected
17429-HG-E3-03B	Level 3 – East Wing	Ceiling Tile 1 - 2' x 4' Pinhole and Small Fissure	None Detected
17429-HG-E3-03C	Level 3 – East Wing	Ceiling Tile 1 – 2' x 4' Pinhole and Small Fissure	None Detected
17429-HG-E3-04A	Level 3 – East Wing	Ceiling Tile 3 - 2' x 2' Small and Large Pinholes	None Detected
17429-HG-E3-04B	Level 3 – East Wing	Ceiling Tile 3 - 2' x 2' Small and Large Pinholes	None Detected
17429-HG-E3-04C	Level 3 – East Wing	Ceiling Tile 3 - 2' x 2' Small and Large Pinholes	None Detected
17429-HG-E3-05A	Level 3 – East Wing – Elevator Lobby	Drywall Joint Compound Walls	None Detected
17429-HG-E3-05B	Level 3 – East Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-E3-05C	Level 3 – East Wing – Staff Room (Rm. 322)	Drywall Joint Compound Walls	None Detected
17429-HG-E3-05D	Level 3 – East Wing – Washroom (Rm. 323)	Drywall Joint Compound Walls	None Detected
17429-HG-E3-05E	Level 3 – East Wing – Washroom (Rm. 334)	Drywall Joint Compound Walls	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-E3-05F	Level 3 – East Wing – Exercise Room (331)	Drywall Joint Compound Walls	None Detected
17429-HG-E3-05G	Level 3 – East Wing – Washroom (Rm. 335)	Drywall Joint Compound Walls	None Detected
17429-HG-E3-06A	Level 3 – East Wing – Elevator Lobby	Plaster Walls – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E3-06B	Level 3 – East Wing – Front Desk Lobby	Plaster Walls – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E3-06C	Level 3 – East Wing – Staff Room (Rm. 322)	Plaster Walls	None Detected
17429-HG-E3-06D	Level 3 – East Wing – Washroom (Rm. 334)	Plaster Walls	None Detected
17429-HG-E3-06E	Level 3 – East Wing – Exercise Room (Rm.331)	Plaster Walls	None Detected
17429-HG-E3-06F	Level 3 – East Wing – Exercise Room (Rm.331)	Plaster Walls – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E3-06G	Level 3 – East Wing – Exercise Room (Rm.331)	Plaster Walls	None Detected
17429-HG-E4 -01A	Level 4 – East Wing – Stairwell Vestibule	Drywall Joint Compound Ceiling	None Detected
17429-HG-E4 -01B	Level 4 – East Wing – Women’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-E4 -01C	Level 4 – East Wing – Men’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-E4 -01D	Level 4 – East Wing – Storage Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-E4 -01E	Level 4 – East Wing – Storage Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-E4 -01F	Level 4 – East Wing – Storage Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-E4 -01G	Level 4 – East Wing – Storage Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-E4 -02A	Level 4 – East Wing – Corridor	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E4 -02B	Level 4 – East Wing – Corridor	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-E4 - 02C	Level 4 – East Wing – Men’s Washroom	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E4 - 02D	Level 4 – East Wing – Corridor	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E4 - 02E	Level 4 – East Wing – Corridor	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E4 - 02F	Level 4 – East Wing – Corridor	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E4 - 02G	Level 4 – East Wing – Corridor	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E4 - 03A	Level 4 – East Wing	Ceiling Tile 1 - 2' x 4' Pinholes w/ Small Fissures	None Detected
17429-HG-E4 - 03B	Level 4 – East Wing	Ceiling Tile 1 - 2' x 4' Pinholes w/ Small Fissures	None Detected
17429-HG-E4 - 03C	Level 4 – East Wing	Ceiling Tile 1 - 2' x 4' Pinholes w/ Small Fissures	None Detected
17429-HG-E4 - 04A	Level 4 – East Wing	Ceiling Tile 2 - 2' x 4' Pinholes w/ Medium Fissures	None Detected
17429-HG-E4 - 04B	Level 4 – East Wing	Ceiling Tile 2 - 2' x 4' Pinholes w/ Medium Fissures	None Detected
17429-HG-E4 - 04C	Level 4 – East Wing	Ceiling Tile 2 - 2' x 4' Pinholes w/ Medium Fissures	None Detected
17429-HG-E4 - 05A	Level 4 – East Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-E4 - 05B	Level 4 – East Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-E4 - 05C	Level 4 – East Wing – Women’s Washroom	Drywall Joint Compound Walls	None Detected
17429-HG-E4 - 05D	Level 4 – East Wing – Men’s Washroom	Drywall Joint Compound Walls	None Detected
17429-HG-E4 - 05E	Level 4 – East Wing – Corridor	Drywall Joint Compound Walls	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-E4 - 05F	Level 4 – East Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-E4 - 05G	Level 4 – East Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-E4 - 06A	Level 4 – East Wing – Corridor	Plaster Walls	None Detected
17429-HG-E4 - 06B	Level 4 – East Wing – Men’s Washroom	Plaster Walls – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E4 - 06C	Level 4 – East Wing – Corridor	Plaster Walls	None Detected
17429-HG-E4 - 06D	Level 4 – East Wing – Office (Rm. 431)	Plaster Walls	None Detected
17429-HG-E4 - 06E	Level 4 – East Wing – Exam Room (Rm. 429)	Plaster Walls – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E4 - 06F	Level 4 – East Wing – Corridor	Plaster Walls – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-E4 - 06G	Level 4 – East Wing - Corridor	Plaster Walls – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-N1-01A	Level 1 – North Wing – Cafeteria West	Drywall Joint Compound Ceiling	None Detected
17429-HG-N1-01B	Level 1 – North Wing – Cafeteria East	Drywall Joint Compound Ceiling	None Detected
17429-HG-N1-01C	Level 1 – North Wing – Cafeteria Northwest	Drywall Joint Compound Ceiling	None Detected
17429-HG-N1-01D	Level 1 – North Wing – Cafeteria Northwest	Drywall Joint Compound Ceiling	None Detected
17429-HG-N1-01E	Level 1 – North Wing – Cafeteria Northwest	Drywall Joint Compound Ceiling	None Detected
17429-HG-N1-01F	Level 1 – North Wing – Cafeteria Northwest	Drywall Joint Compound Ceiling	None Detected
17429-HG-N1-01G	Level 1 – North Wing – Cafeteria South	Drywall Joint Compound Ceiling	None Detected
17429-HG-N1-03A	Level 1 – North Wing	Ceiling Tile 1 - 2' x 4' Pinholes and Small Fissures	None Detected
17429-HG-N1-03B	Level 1 – North Wing	Ceiling Tile 1 - 2' x 4' Pinholes and Small Fissures	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-N1-03C	Level 1 – North Wing	Ceiling Tile 1 - 2' x 4' Pinholes and Small Fissures	None Detected
17429-HG-N1-05A	Level 1 – North Wing - Cafeteria	Drywall Joint Compound Walls	None Detected
17429-HG-N1-05B	Level 1 – North Wing - Cafeteria	Drywall Joint Compound Walls	None Detected
17429-HG-N1-05C	Level 1 – North Wing - Cafeteria	Drywall Joint Compound Walls	None Detected
17429-HG-N1-05D	Level 1 – North Wing - Cafeteria	Drywall Joint Compound Walls	None Detected
17429-HG-N1-05E	Level 1 – North Wing - Cafeteria	Drywall Joint Compound Walls	None Detected
17429-HG-N1-05F	Level 1 – North Wing - Cafeteria	Drywall Joint Compound Walls	None Detected
17429-HG-N1-05G	Level 1 – North Wing - Cafeteria	Drywall Joint Compound Walls	None Detected
17429-HG-N1-06A	Level 1 – North Wing - Cafeteria	Plaster Walls	None Detected
17429-HG-N1-06B	Level 1 – North Wing - Cafeteria	Plaster Walls	None Detected
17429-HG-N1-06C	Level 1 – North Wing - Cafeteria	Plaster Walls	None Detected
17429-HG-N1-06D	Level 1 – North Wing - Cafeteria	Plaster Walls	None Detected
17429-HG-N1-06E	Level 1 – North Wing - Cafeteria	Plaster Walls	None Detected
17429-HG-N1-06F	Level 1 – North Wing - Cafeteria	Plaster Walls	None Detected
17429-HG-N1-06G	Level 1 – North Wing - Cafeteria	Plaster Walls	None Detected
17429-HG-N2-01A	Level 2 – North Wing – Staff Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N2-01B	Level 2 – North Wing – Corridor (Bulkhead)	Drywall Joint Compound Ceiling	None Detected
17429-HG-N2-01C	Level 2 – North Wing – Janitor’s Closet	Drywall Joint Compound Ceiling	None Detected
17429-HG-N2-01D	Level 2 – North Wing – Corridor	Drywall Joint Compound Ceiling	None Detected
17429-HG-N2-01E	Level 2 – North Wing – Waiting Room	Drywall Joint Compound Ceiling	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-N2-01F	Level 2 – North Wing – Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N2-01G	Level 2 – North Wing - Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N2-03A	Level 2 – North Wing	Ceiling Tile 4 - 2' x 4' Pinholes and Clustered Flecks	None Detected
17429-HG-N2-03B	Level 2 – North Wing	Ceiling Tile 4 - 2' x 4' Pinholes and Clustered Flecks	None Detected
17429-HG-N2-03C	Level 2 – North Wing	Ceiling Tile 4 - 2' x 4' Pinholes and Clustered Flecks	None Detected
17429-HG-N2-05A	Level 2 – North Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-N2-05B	Level 2 – North Wing – Housekeeping (C-249)	Drywall Joint Compound Walls	None Detected
17429-HG-N2-05C	Level 2 – North Wing – Office (C-248)	Drywall Joint Compound Walls	None Detected
17429-HG-N2-05D	Level 2 – North Wing - Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-N3U-01A	Level 3 (Upper) – North Wing – Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N3U-01B	Level 3 (Upper) – North Wing – Room 306	Drywall Joint Compound Ceiling	None Detected
17429-HG-N3U-01C	Level 3 (Upper) – North Wing – Men’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N3U-1D	Level 3 (Upper) – North Wing – Women’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N3U-01E	Level 3 (Upper) – North Wing – Janitor’s Closet	Drywall Joint Compound Ceiling	None Detected
17429-HG-N3U-01F	Level 3 (Upper) – North Wing – Office (Rm. 335)	Drywall Joint Compound Ceiling	None Detected
17429-HG-N3U-01G	Level 3 (Upper) – North Wing – Kitchenette	Drywall Joint Compound Ceiling	None Detected
17429-HG-N3U-03A	Level 3 (Upper) – North Wing	Ceiling Tile 4 - 2' x 4' Pinholes and Clustered Flecks	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-N3U-03B	Level 3 (Upper) – North Wing	Ceiling Tile 4 - 2' x 4' Pinholes and Clustered Flecks	None Detected
17429-HG-N3U-03C	Level 3 (Upper) – North Wing	Ceiling Tile 4 - 2' x 4' Pinholes and Clustered Flecks	None Detected
17429-HG-N3U-05A	Level 3 (Upper) – North Wing - Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-N3L-01A	Level 3 (Lower) – North Wing – Women’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N3L-01B	Level 3 (Lower) – North Wing – Women’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N3L-01C	Level 3 (Lower) – North Wing – Shower Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-N3L-01D	Level 3 (Lower) – North Wing – Janitor’s Closet	Drywall Joint Compound Ceiling	None Detected
17429-HG-N3L-01E	Level 3 (Lower) – North Wing – Men’s Change room	Drywall Joint Compound Ceiling	None Detected
17429-HG-N3L-01F	Level 3 (Lower) – North Wing – Conference Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-N3L-01G	Level 3 (Lower) – North Wing – Hallway Window (North)	Drywall Joint Compound Ceiling	None Detected
17429-HG-N3L-03A	Level 3 (Lower) – North Wing	Ceiling Tile 4 - 2' x 4' Pinholes and Clustered Flecks	None Detected
17429-HG-N3L-03B	Level 3 (Lower) – North Wing	Ceiling Tile 4 - 2' x 4' Pinholes and Clustered Flecks	None Detected
17429-HG-N3L-03C	Level 3 (Lower) – North Wing	Ceiling Tile 4 - 2' x 4' Pinholes and Clustered Flecks	None Detected
17429-HG-N3L-04A	Level 3 (Lower) – North Wing	Ceiling Tile 5 - 2' x 4' Textured w/ Tiny Pinholes	None Detected
17429-HG-N3L-04B	Level 3 (Lower) – North Wing	Ceiling Tile 5 - 2' x 4' Textured w/ Tiny Pinholes	None Detected
17429-HG-N3L-04C	Level 3 (Lower) – North Wing	Ceiling Tile 5 - 2' x 4' Textured w/ Tiny Pinholes	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-N3L-05A	Level 3 (Lower) – North Wing – Ladies Washroom	Drywall Joint Compound Walls	None Detected
17429-HG-N3L-05B	Level 3 (Lower) – North Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-N3L-05C	Level 3 (Lower) – North Wing – Conference Room (L-323)	Drywall Joint Compound Walls	None Detected
17429-HG-N3L-05D	Level 3 (Lower) – North Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-N3L-05E	Level 3 (Lower) – North Wing – Men’s Locker Room (3L-309)	Drywall Joint Compound Walls	None Detected
17429-HG-N3L-05F	Level 3 (Lower) – North Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-N3L-05G	Level 3 (Lower) – North Wing – Kitchenette	Drywall Joint Compound Walls	None Detected
17429-HG-N4-01A	Level 4 – North Wing - Room 436	Drywall Joint Compound Ceiling	None Detected
17429-HG-N4-01B	Level 4 – North Wing - Room 433	Drywall Joint Compound Ceiling	None Detected
17429-HG-N4-01C	Level 4 – North Wing – Women’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N4-01D	Level 4 – North Wing – Room 429	Drywall Joint Compound Ceiling	None Detected
17429-HG-N4-01E	Level 4 – North Wing – Men’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N4-01F	Level 4 – North Wing – Room 248	Drywall Joint Compound Ceiling	None Detected
17429-HG-N4-01G	Level 4 – North Wing – Health and Safety Office	Drywall Joint Compound Ceiling	None Detected
17429-HG-N4-03A	Level 4 – North Wing -	Ceiling Tile 4 - 2' x 4' Pinholes and Clustered Flecks	None Detected
17429-HG-N4-03B	Level 4 – North Wing -	Ceiling Tile 4 - 2' x 4' Pinholes and Clustered Flecks	None Detected
17429-HG-N4-03C	Level 4 – North Wing -	Ceiling Tile 4 - 2' x 4' Pinholes and Clustered Flecks	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-N4-05A	Level 4 – North Wing – Volunteer’s Room (436)	Drywall Joint Compound Walls	None Detected
17429-HG-N4-05B	Level 4 – North Wing – Ladies Washroom	Drywall Joint Compound Walls	None Detected
17429-HG-N4-05C	Level 4 – North Wing – Housekeeping (428)	Drywall Joint Compound Walls	None Detected
17429-HG-N4-05D	Level 4 – North Wing – Storage Room (417)	Drywall Joint Compound Walls	None Detected
17429-HG-N4-05E	Level 4 – North Wing - Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-N5-01A	Level 5 – North Wing – Corridor	Drywall Joint Compound Ceiling	None Detected
17429-HG-N5-01B	Level 5 – North Wing – Corridor	Drywall Joint Compound Ceiling	None Detected
17429-HG-N5-01C	Level 5 – North Wing – Corridor	Drywall Joint Compound Ceiling	None Detected
17429-HG-N5-01D	Level 5 – North Wing – Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N5-01E	Level 5 – North Wing – Office (East)	Drywall Joint Compound Ceiling	None Detected
17429-HG-N5-01F	Level 5 – North Wing – Office Washroom (East)	Drywall Joint Compound Ceiling	None Detected
17429-HG-N5-01G	Level 5 – North Wing – Office (Rm. 527)	Drywall Joint Compound Ceiling	None Detected
17429-HG-N5-03A	Level 5 – North Wing	Ceiling Tile 1 - 2' x 4' Pinholes w/ Small Fissures	None Detected
17429-HG-N5-03B	Level 5 – North Wing	Ceiling Tile 1 - 2' x 4' Pinholes w/ Small Fissures	None Detected
17429-HG-N5-03C	Level 5 – North Wing	Ceiling Tile 1 - 2' x 4' Pinholes w/ Small Fissures	None Detected
17429-HG-N5-04A	Level 5 – North Wing	Ceiling Tile 2 - 2' x 2' Pinholes w/ Medium Fissures	None Detected
17429-HG-N5-04B	Level 5 – North Wing	Ceiling Tile 2 - 2' x 2' Pinholes w/ Medium Fissures	None Detected
17429-HG-N5-04C	Level 5 – North Wing	Ceiling Tile 2 - 2' x 2' Pinholes w/ Medium Fissures	None Detected
17429-HG-N5-05A	Level 5 – North Wing – Corridor	Drywall Joint Compound Walls	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-N5-05B	Level 5 – North Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-N5-05C	Level 5 – North Wing – Office (Rm. 529)	Drywall Joint Compound Walls	None Detected
17429-HG-N5-05D	Level 5 – North Wing – Office (Rm. 527)	Drywall Joint Compound Walls	None Detected
17429-HG-N6-01A	Level 6 – North Wing – Women’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N6-01B	Level 6 – North Wing – Women’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N6-01C	Level 6 – North Wing – Men’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N6-01D	Level 6 – North Wing – West Side Offices	Drywall Joint Compound Ceiling	None Detected
17429-HG-N6-01E	Level 6 – North Wing – West Side Offices	Drywall Joint Compound Ceiling	None Detected
17429-HG-N6-01F	Level 6 – North Wing – Northwest Side Office	Drywall Joint Compound Ceiling	None Detected
17429-HG-N6-01G	Level 6 – North Wing – Northwest Side Offices	Drywall Joint Compound Ceiling	None Detected
17429-HG-N6-03A	Level 6 – North Wing	Ceiling Tile 1 - 2' x 4' Pinholes w/ Small Fissures	None Detected
17429-HG-N6-03B	Level 6 – North Wing	Ceiling Tile 1 - 2' x 4' Pinholes w/ Small Fissures	None Detected
17429-HG-N6-03C	Level 6 – North Wing	Ceiling Tile 1 - 2' x 4' Pinholes w/ Small Fissures	None Detected
17429-HG-N6-04A	Level 6 – North Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-N6-04B	Level 6 – North Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-N6-04C	Level 6 – North Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-N6-05A	Level 6 – North Wing - Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-N6-05B	Level 6 – North Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-N6-05C	Level 6 – North Wing – Women’s Washroom	Drywall Joint Compound Walls	None Detected
17429-HG-N6-05D	Level 6 – North Wing – Women’s Washroom	Drywall Joint Compound Walls	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-N7-01A	Level 7 – North Wing – Men’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N7-01B	Level 7 – North Wing – Women’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N7-01C	Level 7 – North Wing – Women’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-N7-01D	Level 7 – North Wing – Storage Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-N7-01E	Level 7 – North Wing – Conference Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-N7-01F	Level 7 – North Wing – Conference Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-N7-01G	Level 7 – North Wing – N7-11	Drywall Joint Compound Ceiling	None Detected
17429-HG-N7-03A	Level 7 – North Wing	Ceiling Tile 1 - 2' x 4' Pinhole w/ Small Fissures	None Detected
17429-HG-N7-03B	Level 7 – North Wing	Ceiling Tile 1 - 2' x 4' Pinhole w/ Small Fissures	None Detected
17429-HG-N7-03C	Level 7 – North Wing	Ceiling Tile 1 - 2' x 4' Pinhole w/ Small Fissures	None Detected
17429-HG-N7-04A	Level 7 – North Wing	Ceiling Tile 7 - 2' x 2' Pinhole w/ Medium Fissures	None Detected
17429-HG-N7-04B	Level 7 – North Wing	Ceiling Tile 7 - 2' x 2' Pinhole w/ Medium Fissures	None Detected
17429-HG-N7-04C	Level 7 – North Wing	Ceiling Tile 7 - 2' x 2' Pinhole w/ Medium Fissures	None Detected
17429-HG-N7-05A	Level 7 – North Wing - Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-N7-05B	Level 7 – North Wing – Conference Room	Drywall Joint Compound Walls	None Detected
17429-HG-N7-05C	Level 7 – North Wing – Kitchen	Drywall Joint Compound Walls	None Detected
17429-HG-N7-05D	Level 7 – North Wing – Kitchen	Drywall Joint Compound Walls	None Detected
17429-HG-N7-05E	Level 7 – North Wing – Room 724	Drywall Joint Compound Walls	None Detected
17429-HG-N7-05F	Level 7 – North Wing - Stairwell	Drywall Joint Compound Walls	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-N7-05G	Level 7 – North Wing – Room 711	Drywall Joint Compound Walls	None Detected
17429-HG-N8-01A	Level 8 – North Wing – Linen Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-N8-01B	Level 8 – North Wing – Linen Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-N8-01C	Level 8 – North Wing – Bath Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-N8-01D	Level 8 – North Wing – Bath Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-N8-01E	Level 8 – North Wing – Bath Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-N8-02A	Level 8 – North Wing – Washroom (830)	Plaster Ceiling	None Detected
17429-HG-N8-02B	Level 8 – North Wing – Washroom (845)	Plaster Ceiling	None Detected
17429-HG-N8-02C	Level 8 – North Wing – Washroom (834)	Plaster Ceiling	None Detected
17429-HG-N8-02D	Level 8 – North Wing – Washroom (830)	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-N8-02E	Level 8 – North Wing – Washroom (817)	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-N8-02F	Level 8 – North Wing – Washroom (8N-11)	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-N8-02G	Level 8 – North Wing – Washroom (8N-07)	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-N8-03A	Level 8 – North Wing	Ceiling Tile 1 - 2' x 4' Small Pinholes w/ Small Fissures	None Detected
17429-HG-N8-03B	Level 8 – North Wing	Ceiling Tile 1 - 2' x 4' Small Pinholes w/ Small Fissures	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-N8-03C	Level 8 – North Wing	Ceiling Tile 1 - 2' x 4' Small Pinholes w/ Small Fissures	None Detected
17429-HG-N8-05A	Level 8 – North Wing – Office (808)	Drywall Joint Compound Walls	None Detected
17429-HG-N8-05B	Level 8 – North Wing – Stretcher Alcove	Drywall Joint Compound Walls	None Detected
17429-HG-N8-05C	Level 8 – North Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-N8-05D	Level 8 – North Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-N8-05E	Level 8 – North Wing – Stretcher Alcove	Drywall Joint Compound Walls	None Detected
17429-HG-N8-06A	Level 8 – North Wing – Stairwell	Plaster Walls – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-N8-06B	Level 8 – North Wing – Corridor	Plaster Walls	None Detected
17429-HG-N8-06C	Level 8 – North Wing – Corridor	Plaster Walls	None Detected
17429-HG-N8-06D	Level 8 – North Wing – Meeting Room (803)	Plaster Walls	None Detected
17429-HG-N8-06E	Level 8 – North Wing – Office (808)	Plaster Walls – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-N8-06F	Level 8 – North Wing – Corridor	Plaster Walls – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-N8-06G	Level 8 – North Wing – One Bed (824)	Plaster Walls – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-N7-06A	Level 7 – North Wing – Stairwell	Plaster Walls	None Detected
17429-HG-N7-06B	Level 7 – North Wing – Stairwell	Plaster Walls	None Detected
17429-HG-N6-06C	Level 6 – North Wing – Stairwell	Plaster Walls	None Detected
		Plaster Walls – Skim Coat	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-N5-06D	Level 5 – North Wing – Stairwell	Base Coat	None Detected
17429-HG-N4-06E	Level 4 – North Wing – Stairwell	Plaster Walls – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-N3U-06F	Level N3 (Upper) – North Wing – Stairwell	Plaster Walls – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-N2-06G	Level 2 – North Wing – Stairwell	Plaster Walls – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-JR0-01A	Level 0 – Residence Building - Corridor	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR0-01B	Level 0 – Residence Building – Office/Storage	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR0-01C	Level 0 – Residence Building – Office/Storage	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR0-01D	Level 0 – Residence Building – Corridor	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR0-01E	Level 0 – Residence Building – Office/Storage	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR0-01F	Level 0 – Residence Building – Alcove	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR0-01G	Level 0 – Residence Building - Corridor	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR0-02A	Level 0 – Residence Building – Stairwell (middle)	Plaster Ceiling – Skim Coat	2% Chrysotile
		Base Coat	None Detected
17429-HG-JR0-02B	Level 0 – Residence Building – Stairwell (middle)	Plaster Ceiling – Skim Coat	2% Chrysotile
		Base Coat	None Detected
17429-HG-JR0-02C	Level 0 – Residence Building – Stairwell (middle)	Plaster Ceiling – Skim Coat	2% Chrysotile
		Base Coat	None Detected
17429-HG-JR0-02D		Plaster Ceiling – Skim Coat	2% Chrysotile

TABLE 1 Summary of Bulk Samples			
	Level 0 – Residence Building – Stairwell (middle)	Base Coat	Insufficient Material
17429-HG-JR0-02E	Level 0 – Residence Building – Stairwell (middle)	Plaster Ceiling – Skim Coat	2% Chrysotile
		Base Coat	None Detected
17429-HG-JR0-02F	Level 0 – Residence Building – Stairwell (middle)	Plaster Ceiling – Skim Coat	2% Chrysotile
		Base Coat	None Detected
17429-HG-JR0-02G	Level 0 – Residence Building – Stairwell (middle)	Plaster Ceiling – Skim Coat	2% Chrysotile
		Base Coat	None Detected
17429-HG-JR0-05A	Level 0 – Residence Building – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-JR0-05B	Level 0 – Residence Building – Storage	Drywall Joint Compound Walls	None Detected
17429-HG-JR0-05C	Level 0 – Residence Building – Storage	Drywall Joint Compound Walls	None Detected
17429-HG-JR0-05D	Level 0 – Residence Building – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-JR0-05E	Level 0 – Residence Building – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-JR0-05F	Level 0 – Residence Building – Office/Storage	Drywall Joint Compound Walls	None Detected
17429-HG-JR0-05G	Level 0 – Residence Building – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-JR0-06A	Level 0 – Residence Building – Stairwell	Plaster Walls	2% Chrysotile
17429-HG-JR0-06B	Level 0 – Residence Building – Stairwell	Plaster Walls	2% Chrysotile
17429-HG-JR0-06C	Level 0 – Residence Building – Stairwell	Plaster Walls	2% Chrysotile
17429-HG-JR0-06D	Level 0 – Residence Building – Stairwell	Plaster Walls	4% Chrysotile

TABLE 1			
Summary of Bulk Samples			
17429-HG-JR0-06E	Level 0 – Residence Building – Stairwell	Plaster Walls	2% Chrysotile
17429-HG-JR1-01A	Level 1 – Residence Building – Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR1-01B	Level 1 – Residence Building – Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR1-01C	Level 1 – Residence Building – Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR1-01D	Level 1 – Residence Building – Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR1-01E	Level 1 – Residence Building – Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR1-01F	Level 1 – Residence Building – Corridor	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR1-01G	Level 1 – Residence Building – Corridor	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR1-02A	Level 1 – Residence Building – Entrance Alcove	Plaster Ceiling – Skim Coat	2% Chrysotile
		Base Coat	None Detected
17429-HG-JR1-02B	Level 1 – Residence Building – Entrance Alcove	Plaster Ceiling	None Detected
17429-HG-JR1-02C	Level 1 – Residence Building – Entrance Alcove	Plaster Ceiling – Skim Coat	2% Chrysotile
		Base Coat	None Detected
17429-HG-JR1-02D	Level 1 – Residence Building – Kitchen (8)	Plaster Ceiling – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-JR1-02E	Level 1 – Residence Building – Bedroom (1)	Plaster Ceiling	2% Chrysotile
17429-HG-JR1-02F	Level 1 – Residence Building – Entrance	Plaster Ceiling	2% Chrysotile
17429-HG-JR1-02G	Level 1 – Residence Building – Corridor	Plaster Ceiling	None Detected

TABLE 1 Summary of Bulk Samples			
17429-HG-JR1-03A	Level 1 – Residence Building – Janitor’s Closet	Ceiling Tile 8 - 2’ x 2’ Ceiling Tile	None Detected
17429-HG-JR1-03B	Level 1 – Residence Building – Janitor’s Closet	Ceiling Tile 8 - 2’ x 2’ Ceiling Tile	None Detected
17429-HG-JR1-03C	Level 1 – Residence Building – Janitor’s Closet	Ceiling Tile 8 - 2’ x 2’ Ceiling Tile	None Detected
17429-HG-JR1-05A	Level 1 – Residence Building – Entrance	Drywall Joint Compound Walls	None Detected
17429-HG-JR1-05B	Level 1 – Residence Building – Entrance	Drywall Joint Compound Walls	None Detected
17429-HG-JR1-05C	Level 1 – Residence Building – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-JR1-05D	Level 1 – Residence Building – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-JR1-05E	Level 1 – Residence Building – Washroom	Drywall Joint Compound Walls	None Detected
17429-HG-JR1-05F	Level 1 – Residence Building – Washroom	Drywall Joint Compound Walls	None Detected
17429-HG-JR1-05G	Level 1 – Residence Building – Washroom	Drywall Joint Compound Walls	None Detected
17429-HG-JR1-06A	Level 1 – Residence Building – Washroom	Plaster Walls	2% Chrysotile
17429-HG-JR1-06B	Level 1 – Residence Building – Corridor	Plaster Walls	2% Chrysotile
17429-HG-JR1-06C	Level 1 – Residence Building – Housekeeping Closet	Plaster Walls	2% Chrysotile
17429-HG-JR1-06D	Level 1 – Residence Building – Corridor	Plaster Walls	2% Chrysotile
17429-HG-JR1-06E	Level 1 – Residence Building – Corridor	Plaster Walls	2% Chrysotile
17429-HG-JR1-06F	Level 1 – Residence Building – Bedroom (19)	Plaster Walls	None Detected

TABLE 1 Summary of Bulk Samples			
17429-HG-JR1-06G	Level 1 – Residence Building – Corridor	Plaster Walls	None Detected
17429-HG-JR2-01A	Level 2 – Residence Building – Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR2-01B	Level 2 – Residence Building – Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR2-01C	Level 2 – Residence Building – Bedroom (1)	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR2-01D	Level 2 – Residence Building – Bedroom (19)	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR2-01E	Level 2 – Residence Building – Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-JR2-02A	Level 2 – Residence Building – Bedroom (9)	Plaster Ceiling – Skim Coat	2% Chrysotile
		Base Coat	None Detected
17429-HG-JR2-02B	Level 2 – Residence Building – Bedroom (19)	Plaster Ceiling – Skim Coat	2% Chrysotile
		Base Coat	None Detected
17429-HG-JR2-02C	Level 2 – Residence Building – Bedroom (19)	Plaster Ceiling – Skim Coat	2% Chrysotile
		Base Coat	None Detected
17429-HG-JR2-02D	Level 2 – Residence Building – Bedroom (11)	Plaster Ceiling	2% Chrysotile
17429-HG-JR2-02E	Level 2 – Residence Building – Bedroom (11)	Plaster Ceiling	2% Chrysotile
17429-HG-JR2-02F	Level 2 – Residence Building – Corridor	Plaster Ceiling	None Detected
17429-HG-JR2-02G	Level 2 – Residence Building – Corridor	Plaster Ceiling – Skim Coat	2% Chrysotile
		Base Coat	None Detected
17429-HG-JR2-03A	Level 2 – Residence Building	Ceiling Tile 7 – 2' x 2' Pinholes and Medium Fissures	None Detected
17429-HG-JR2-03B	Level 2 – Residence Building	Ceiling Tile 7 – 2' x 2' Pinholes and Medium Fissures	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-JR2-03C	Level 2 – Residence Building	Ceiling Tile 7 – 2’ x 2’ Pinholes and Medium Fissures	None Detected
17429-HG-JR2-05A	Level 2 – Residence Building - Washroom	Drywall Joint Compound Walls	None Detected
17429-HG-JR2-05B	Level 2 – Residence Building - Washroom	Drywall Joint Compound Walls	None Detected
17429-HG-JR2-05C	Level 2 – Residence Building - Washroom	Drywall Joint Compound Walls	None Detected
17429-HG-JR2-05D	Level 2 – Residence Building - Washroom	Drywall Joint Compound Walls	None Detected
17429-HG-JR2-05E	Level 2 – Residence Building - Washroom	Drywall Joint Compound Walls	None Detected
17429-HG-JR2-06A	Level 2 – Residence Building – Bedroom (2)	Plaster Walls	2% Chrysotile
17429-HG-JR2-06B	Level 2 – Residence Building – Washroom	Plaster Walls	2% Chrysotile
17429-HG-JR2-06C	Level 2 – Residence Building – Entrance	Plaster Walls	2% Chrysotile
17429-HG-JR2-06D	Level 2 – Residence Building – Bedroom (3)	Plaster Walls	2% Chrysotile
17429-HG-JR2-06E	Level 2 – Residence Building – Bedroom (2)	Plaster Walls	3% Chrysotile
17429-HG-JR2-06F	Level 2 – Residence Building – Stairwell	Plaster Walls	2% Chrysotile
17429-HG-JR2-06G	Level 2 – Residence Building - Stairwell	Plaster Walls	2% Chrysotile
17429-HG-MC0-01A	Level 0 – McMaster Wing – B8 Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-MC0-01B	Level 0 – McMaster Wing – B8 Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-MC0-01C	Level 0 – McMaster Wing – B8 Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-MC0-01D	Level 0 – McMaster Wing – B8 Room	Drywall Joint Compound Ceiling	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-MC0-01E	Level 0 – McMaster Wing – B8 Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-MC0-01F	Level 0 – McMaster Wing – Outside Auditorium	Drywall Joint Compound Ceiling	None Detected
17429-HG-MC0-01G	Level 0 – McMaster Wing – Outside Auditorium	Drywall Joint Compound Ceiling	None Detected
17429-HG-MC0-02A	Level 0 – McMaster Wing – Corridor	Plaster Ceiling (Inseparable Material)	None Detected
17429-HG-MC0-02B	Level 0 – McMaster Wing – Storage Room	Plaster Ceiling (Inseparable Material)	None Detected
17429-HG-MC0-02C	Level 0 – McMaster Wing – B8 Room	Plaster Ceiling (Inseparable Material)	None Detected
17429-HG-MC0-02D	Level 0 – McMaster Wing – B8 Room	Plaster Ceiling (Inseparable Material)	None Detected
17429-HG-MC0-02E	Level 0 – McMaster Wing – Room B1	Plaster Ceiling (Inseparable Material)	None Detected
17429-HG-MC0-02F	Level 0 – McMaster Wing – Auditorium	Plaster Ceiling (Inseparable Material)	None Detected
17429-HG-MC0-02G	Level 0 – McMaster Wing – Under Stairs	Plaster Ceiling (Inseparable Material)	None Detected
17429-HG-MC0-03A	Level 0 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinhole and Flecks	None Detected
17429-HG-MC0-03B	Level 0 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinhole and Flecks	None Detected
17429-HG-MC0-03C	Level 0 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinhole and Flecks	None Detected
17429-HG-MC0-04A	Level 0 – McMaster Wing	Ceiling Tile 9 - 1' x 1' Small and Medium Pinholes	None Detected
17429-HG-MC0-04B	Level 0 – McMaster Wing	Ceiling Tile 9 - 1' x 1' Small and Medium Pinholes	None Detected
17429-HG-MC0-04C	Level 0 – McMaster Wing	Ceiling Tile 9 - 1' x 1' Small and Medium Pinholes	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-MC0-05A	Level 0 – McMaster Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-MC0-05B	Level 0 – McMaster Wing – Corridor	Drywall Joint Compound Walls	None Detected
17429-HG-MC0-05C	Level 0 – McMaster Wing – Mechanical Room	Drywall Joint Compound Walls	None Detected
17429-HG-MC0-05D	Level 0 – McMaster Wing – Women’s Washroom	Drywall Joint Compound Walls	None Detected
17429-HG-MC0-05E	Level 0 – McMaster Wing – Corridor	Drywall Joint Compound Walls	2% Chrysotile
17429-HG-MC0-06A	Level 0 – McMaster Wing – Storage	Plaster Walls	None Detected
17429-HG-MC0-06B	Level 0 – McMaster Wing – Corridor	Plaster Walls	None Detected
17429-HG-MC0-06C	Level 0 – McMaster Wing – Women’s Washroom	Plaster Walls	None Detected
17429-HG-MC0-06D	Level 0 – McMaster Wing – Men’s Washroom	Plaster Walls	None Detected
17429-HG-MC0-06E	Level 0 – McMaster Wing – Office	Plaster Walls	None Detected
17429-HG-MC0-06F	Level 0 – McMaster Wing – Storage Closet	Plaster Walls	None Detected
17429-HG-MC0-06G	Level 0 – McMaster Wing – Corridor	Plaster Walls	None Detected
17429-HG-MC0-08A	Level 0 – McMaster Wing – Storage Room	Textured Plaster Wall	None Detected
17429-HG-MC0-08B	Level 0 – McMaster Wing – Corridor	Textured Plaster Wall	None Detected
17429-HG-MC0-08C	Level 0 – McMaster Wing – Corridor	Textured Plaster Wall	2% Chrysotile
17429-HG-MC0-08D	Level 0 – McMaster Wing – Corridor	Textured Plaster Wall	Detected
17429-HG-MC0-08E	Level 0 – McMaster Wing – Corridor	Textured Plaster Wall	2% Chrysotile

TABLE 1			
Summary of Bulk Samples			
17429-HG-MC0-08F	Level 0 – McMaster Wing – Corridor	Textured Plaster Wall	3% Chrysotile
17429-HG-MC0-08G	Level 0 – McMaster Wing – Corridor	Textured Plaster Wall	None Detected
17429-HG-MC1-03A	Level 1 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC1-03B	Level 1 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC1-03C	Level 1 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC1-05A	Level 1 – McMaster Wing – Kitchen	Drywall Joint Compound Wall	None Detected
17429-HG-MC1-05B	Level 1 – McMaster Wing – Kitchen	Drywall Joint Compound Wall	None Detected
17429-HG-MC1-05C	Level 1 – McMaster Wing – Auditorium	Drywall Joint Compound Wall	None Detected
17429-HG-MC1-05D	Level 1 – McMaster Wing – Corridor	Drywall Joint Compound Wall	None Detected
17429-HG-MC1-05E	Level 1 – McMaster Wing – Women’s Washroom	Drywall Joint Compound Wall	None Detected
17429-HG-MC1-05F	Level 1 – McMaster Wing – Women’s Washroom	Drywall Joint Compound Wall	None Detected
17429-HG-MC1-05G	Level 1 – McMaster Wing – Men’s Washroom	Drywall Joint Compound Wall	None Detected
17429-HG-MC2-01A	Level 2 – McMaster Wing – Women’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-MC2-01B	Level 2 – McMaster Wing – Women’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-MC2-01C	Level 2 – McMaster Wing – Women’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-MC2-03A	Level 2 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-MC2-03B	Level 2 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC2-03C	Level 2 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC2-04A	Level 2 – McMaster Wing	Ceiling Tile 10 - 1' x 1' Glue-on Medium and Small Pinholes	5% Amosite
17429-HG-MC2-04B	Level 2 – McMaster Wing	Ceiling Tile 10 - 1' x 1' Glue-on Medium and Small Pinholes	5% Amosite
17429-HG-MC2-04C	Level 2 – McMaster Wing	Ceiling Tile 10 - 1' x 1' Glue-on Medium and Small Pinholes	6% Amosite
17429-HG-MC2-05A	Level 2 – McMaster Wing – Women's Washroom	Drywall Joint Compound Wall	None Detected
17429-HG-MC2-05B	Level 2 – McMaster Wing – Office (Rm. 248)	Drywall Joint Compound Wall	None Detected
17429-HG-MC2-05C	Level 2 – McMaster Wing – Office (Rm. 251)	Drywall Joint Compound Wall	None Detected
17429-HG-MC2-05D	Level 2 – McMaster Wing – Conference Room (Rm. 249)	Drywall Joint Compound Wall	None Detected
17429-HG-MC2-05E	Level 2 – McMaster Wing – Women's Washroom	Drywall Joint Compound Wall	None Detected
17429-HG-MC3-01A	Level 3 – McMaster Wing – Men's Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-MC3-01B	Level 3 – McMaster Wing – Men's Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-MC3-01C	Level 3 – McMaster Wing – Data Comm. Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-MC3-01D	Level 3 – McMaster Wing – Data Comm. Room	Drywall Joint Compound Ceiling	None Detected
17429-HG-MC3-01E	Level 3 – McMaster Wing – Men's Washroom	Drywall Joint Compound Ceiling	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-MC3-01F	Level 3 – McMaster Wing – Janitor’s Closet	Drywall Joint Compound Ceiling	None Detected
17429-HG-MC3-01G	Level 3 – McMaster Wing – Men’s Washroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-MC3-03A	Level 3 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC3-03B	Level 3 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC3-03C	Level 3 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC3-05A	Level 3 – McMaster Wing – Men’s Washroom	Drywall Joint Compound Wall	None Detected
17429-HG-MC3-05B	Level 3 – McMaster Wing – Men’s Washroom	Drywall Joint Compound Wall	None Detected
17429-HG-MC3-05C	Level 3 – McMaster Wing – Men’s Washroom	Drywall Joint Compound Wall	None Detected
17429-HG-MC3-05D	Level 3 – McMaster Wing – Office	Drywall Joint Compound Wall	None Detected
17429-HG-MC3-05E	Level 3 – McMaster Wing – Office (Rm. 358)	Drywall Joint Compound Wall	None Detected
17429-HG-MC3-05F	Level 3 – McMaster Wing – Office	Drywall Joint Compound Wall	None Detected
17429-HG-MC3-05G	Level 3 – McMaster Wing – Rm. 362	Drywall Joint Compound Wall	None Detected
17429-HG-MC4-03A	Level 4 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC4-03B	Level 4 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC4-03C	Level 4 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC4-05A	Level 4 – McMaster Wing – Rm. 412	Drywall Joint Compound Wall	None Detected
17429-HG-MC4-05B	Level 4 – McMaster Wing – Outside Rm. 434	Drywall Joint Compound Wall	2% Chrysotile

TABLE 1			
Summary of Bulk Samples			
17429-HG-MC4-05C	Level 4 – McMaster Wing – Washroom	Drywall Joint Compound Wall	None Detected
17429-HG-MC4-05D	Level 4 – McMaster Wing – Corridor	Drywall Joint Compound Wall	None Detected
17429-HG-MC4-05E	Level 4 – McMaster Wing – Corridor	Drywall Joint Compound Wall	2% Chrysotile
17429-HG-MC4-05F	Level 4 – McMaster Wing – Rm. 427	Drywall Joint Compound Wall	2% Chrysotile
17429-HG-MC4-05G	Level 4 – McMaster Wing – Corridor	Drywall Joint Compound Wall	None Detected
17429-HG-MC5-03A	Level 5 – McMaster Wing	Ceiling Tile 6 – 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC5-03B	Level 5 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC5-03C	Level 5 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC6-03A	Level 6 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC6-03B	Level 6 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC6-03C	Level 6 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC7-03A	Level 7 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC7-03B	Level 7 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC7-03C	Level 7 – McMaster Wing	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-MC-02A	Level 6 – McMaster Wing – East Stairwell 6 th Floor	Plaster Ceiling	None Detected
17429-HG-MC-02B	Level 6 – McMaster Wing – East Stairwell 5 th Floor	Plaster Ceiling	None Detected
17429-HG-MC-02C	Level 6 – McMaster Wing – East Stairwell 4 th Floor	Plaster Ceiling	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-MC-02D	Level 6 – McMaster Wing – East Stairwell 3 rd Floor	Plaster Ceiling	None Detected
17429-HG-MC-02E	Level 6 – McMaster Wing – East Stairwell 2 nd Floor	Plaster Ceiling	None Detected
17429-HG-MC-02F	Level 6 – McMaster Wing – East Stairwell 2 nd Floor	Plaster Ceiling	None Detected
17429-HG-MC-02G	Level 6 – McMaster Wing – East Stairwell 1 st Floor	Plaster Ceiling	None Detected
17429-HG-MC-02A	Level 6 – McMaster Wing – West Stairwell 6 th Floor	Plaster Ceiling	None Detected
17429-HG-MC-02B	Level 6 – McMaster Wing – West Stairwell 5 th Floor	Plaster Ceiling	None Detected
17429-HG-MC-02C	Level 6 – McMaster Wing – West Stairwell 4 th Floor	Plaster Ceiling	None Detected
17429-HG-MC-02D	Level 6 – McMaster Wing – West Stairwell 3 rd -4 th Floor	Plaster Ceiling	None Detected
17429-HG-MC-02E	Level 6 – McMaster Wing – West Stairwell 3 rd Floor	Plaster Ceiling	None Detected
17429-HG-MC-02F	Level 6 – McMaster Wing – West Stairwell 2 nd Floor	Plaster Ceiling	None Detected
17429-HG-MC-02G	Level 6 – McMaster Wing – West Stairwell 1 st Floor	Plaster Ceiling	None Detected
17429-HG-PGLab-01A	Parking Garage Lab – Lab Entrance	Drywall Joint Compound Ceiling	None Detected
17429-HG-PGLab-01B	Parking Garage Lab – Lab Area	Drywall Joint Compound Ceiling	None Detected
17429-HG-PGLab-01C	Parking Garage Lab – Back Lab (near southeast exit)	Drywall Joint Compound Ceiling	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-PGLab-01D	Parking Garage Lab – Nitrogen Area	Drywall Joint Compound Ceiling	None Detected
17429-HG-PGLab-01E	Parking Garage Lab – Nitrogen Area	Drywall Joint Compound Ceiling	None Detected
17429-HG-PGLab-01F	Parking Garage Lab – Nitrogen Area	Drywall Joint Compound Ceiling	None Detected
17429-HG-PGLab-01G	Parking Garage Lab – Nitrogen Area	Drywall Joint Compound Ceiling	None Detected
17429-HG-PGLab-03A	Parking Garage Lab	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-PGLab-03B	Parking Garage Lab	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-PGLab-03C	Parking Garage Lab	Ceiling Tile 6 - 2' x 4' Pinholes and Flecks	None Detected
17429-HG-PGLab-05A	Parking Garage Lab – Corridor	Drywall Joint Compound Wall	None Detected
17429-HG-PGLab-05B	Parking Garage Lab – Washroom	Drywall Joint Compound Wall	None Detected
17429-HG-PGLab-05C	Parking Garage Lab – Janitor's Closet	Drywall Joint Compound Wall	None Detected
17429-HG-PGLab-05D	Parking Garage Lab – Back Lab	Drywall Joint Compound Wall	None Detected
17429-HG-PGLab-05E	Parking Garage Lab – Back Lab by Emergency Exit	Drywall Joint Compound Wall	None Detected
17429-HG-PGLab-05F	Parking Garage Lab – Nitrogen Area	Drywall Joint Compound Wall	None Detected
17429-HG-PGLab-05G	Parking Garage Lab – Nitrogen Area	Drywall Joint Compound Wall	None Detected
17429-HG-PGLab-06A	Parking Garage Lab – Corridor	Plaster Wall	None Detected
17429-HG-PGLab-06B	Parking Garage Lab – Corridor	Plaster Wall – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-PGLab-06C	Parking Garage Lab – Washroom	Plaster Wall – Skim Coat	None Detected
		Base Coat	None Detected

TABLE 1			
Summary of Bulk Samples			
17429-HG-PGLab-06D	Parking Garage Lab – Washroom 2	Plaster Wall – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-PGLab-06E	Parking Garage Lab – Corridor	Plaster Wall	None Detected
17429-HG-PGLab-06F	Parking Garage Lab – Washroom	Plaster Wall – Skim Coat	None Detected
		Base Coat	None Detected
17429-HG-PGLab-06G	Parking Garage Lab – Washroom	Plaster Wall	None Detected
17429-HG-PGO-01A	Parking Garage- Parking Office – Back Office	Drywall Joint Compound Ceiling	None Detected
17429-HG-PGO-01B	Parking Garage- Parking Office – Front Desk	Drywall Joint Compound Ceiling	None Detected
17429-HG-PGO-01C	Parking Garage- Parking Office – Bathroom	Drywall Joint Compound Ceiling	None Detected
17429-HG-PGO-03A	Parking Garage- Parking Office	Ceiling Tile 11 - 2' x 4' Small Flecks and Small Pinholes	None Detected
17429-HG-PGO-03B	Parking Garage- Parking Office	Ceiling Tile 11 - 2' x 4' Small Flecks and Small Pinholes	None Detected
17429-HG-PGO-03C	Parking Garage- Parking Office	Ceiling Tile 11 - 2' x 4' Small Flecks and Small Pinholes	None Detected
	- sample result positive for asbestos (if applicable)		

Observations and Findings:

The areas of investigation included primary wall (drywall and plaster) and ceiling finishes (ceiling tiles, drywall joint compound and plaster) throughout the East-Wing, North-Wing, McMaster-Wing, Interns Residence, and the Parking Garage of the Hamilton General Hospital. General site conditions, bulk sampling and asbestos-related information consist of the following:

1. Plaster and drywall joint compound applied to gypsum board (drywall) “primary” walls and ceilings (i.e. walls/ceilings that are exposed and accessible without demolition) and various ceiling tiles, were collected to supplement previous sampling, as follows:

East Wing

- i. A total of twenty-one (21) samples of plaster (ceiling), seven (7) samples per level (where observed), were collected from various locations throughout the East Wing (samples 17429-HG-E2-02A through 17429-HG-E2-02G, 17429-HG-E3-02A through 17429-HG-E3-02G, and 17429-HG-E4-02A through 17429-HG-E4-02G). Laboratory analysis determined this material does not contain asbestos.
- ii. A total of twenty-one (21) samples of plaster (wall), seven (7) samples per level (where observed), were collected from various locations throughout the East Wing (samples 17429-HG-E2-06A through 17429-HG-E2-06G, 17429-HG-E3-06A through 17429-HG-E3-06G, and 17429-HG-E4-06A through 17429-HG-E4-06G). Laboratory analysis determined this material does not contain asbestos.
- iii. A total of twenty-eight (28) samples of drywall joint compound (ceiling), seven (7) samples per level, were collected from various locations throughout the East Wing (samples 17429-HG-E1-01A through 17429-HG-E1-01G, 17429-HG-E2-01A through 17429-HG-E2-01G, 17429-HG-E3-01A through 17429-HG-E3-01G, and 17429-HG-E4-01A through 17429-HG-E4-01G). Laboratory analysis determined this material does not contain asbestos.
- iv. A total of twenty-eight (28) samples of drywall joint compound (wall), seven (7) samples per level, were collected from various locations throughout the East Wing (samples 17429-HG-E1-05A through 17429-HG-E1-05G, 17429-HG-E2-05A through 17429-HG-E2-05G, 17429-HG-E3-05A through 17429-HG-E3-05G, and 17429-HG-E4-05A through 17429-HG-E4-05G). Laboratory analysis determined this material does not contain asbestos.
- v. A total of eighteen (18) samples of three (3) visually distinct types of acoustic ceiling tile, three (3) samples per distinct tile were collected from various locations throughout the East Wing (samples 17429-HG-E1-03A through 17429-HG-E1-03C, 17429-HG-E2-03A through 17429-HG-E2-03C, 17429-HG-E3-03A through 17429-HG-E3-03C, 17429-HG-E3-04A through 17429-HG-E3-04C, 17429-HG-E4-03A through 17429-HG-E4-03C, and 17429-HG-E4-04A through 17429-HG-E4-04C). Laboratory analysis determined these materials do not contain asbestos.

North Wing

- i. A total of seven (7) samples of plaster (ceiling), seven (7) samples per level (where observed), were collected from various locations throughout the North Wing (samples 17429-HG-N8-02A through 17429-HG-N8-02G). Laboratory analysis determined this material does not contain asbestos.

- ii. A total of twenty-one (21) samples of plaster (wall), seven (7) samples per level (where observed), were collected from various locations throughout the North Wing (samples 17429-HG-N1-06A through 17429-HG-N1-06G, 17429-HG-N8-06A through 17429-HG-N8-06G, 17429-HG-N7-06A, 17429-HG-N7-06B, 17429-HG-N6-06C, 17429-HG-N5-06D, 17429-HG-N4-06E, 17429-HG-N3U-06F, and 17429-HG-N2-06G). Laboratory analysis determined this material does not contain asbestos.
- iii. A total of sixty-one (61) samples of drywall joint compound (ceiling), five-to-seven (5-7) samples per level, were collected from various locations throughout the North Wing (samples 17429-HG-N1-01A through 17429-HG-N1-01G, 17429-HG-N2-01A through 17429-HG-N2-01G, 17429-HG-N3U-01A through 17429-HG-N3U-01G, 17429-HG-N3L-01A through 17429-HG-N3L-01G, 17429-HG-N4-01A through 17429-HG-N4-01G, 17429-HG-N5-01A through 17429-HG-N5-01G, 17429-HG-N6-01A through 17429-HG-N6-01G, 17429-HG-N7-01A through 17429-HG-N7-01G, and 17429-HG-N8-01A through 17429-HG-N8-01E). Laboratory analysis determined this material does not contain asbestos.
- iv. A total of forty-four (44) samples of drywall joint compound (wall), one-to-seven (1-7) samples per level, were collected from various locations throughout the North Wing (samples 17429-HG-N1-05A through 17429-HG-N1-05G, 17429-HG-N2-05A through 17429-HG-N2-05D, 17429-HG-N3U-05A, 17429-HG-N3L-05A through 17429-HG-N3L-05G, 17429-HG-N4-05A through 17429-HG-N4-05E, 17429-HG-N5-05A through 17429-HG-N5-05D, 17429-HG-N6-05A through 17429-HG-N6-05D, 17429-HG-N7-05A through 17429-HG-N7-05G, and 17429-HG-N8-05A through 17429-HG-N8-05E). Laboratory analysis determined this material does not contain asbestos.
- v. A total of thirty-nine (39) samples of six (6) visually distinct types of acoustic ceiling tile, three (3) samples per distinct tile were collected from various locations throughout the East Wing (samples 17429-HG-N1-03A through 17429-HG-N1-03C, 17429-HG-N2-03A through 17429-HG-N2-03C, 17429-HG-N3U-03A through 17429-HG-N3U-03C, 17429-HG-N3L-03A through 17429-HG-N3L-03C, 17429-HG-N3L-04A through 17429-HG-N3L-04C, 17429-HG-N4-03A through 17429-HG-N4-03C, 17429-HG-N5-03A through 17429-HG-N5-03C, 17429-HG-N5-04A through 17429-HG-N5-04C, 17429-HG-N6-03A through 17429-HG-N6-03C, 17429-HG-N6-04A through 17429-HG-N6-04C, 17429-HG-N7-03A through 17429-HG-N7-03C, 17429-HG-N7-04A through 17429-HG-N7-04C, and 17429-HG-

N8-03A through 17429-HG-N8-03C). Laboratory analysis determined this material does not contain asbestos.

Interns Residence/Nurse's Residence/HIU

- i. A total of twenty-one (21) samples of plaster (ceiling), seven (7) samples per level, were collected from various locations throughout the Interns Residence (samples 17429-HG-JR0-02A through 17429-HG-JR0-02G, 17429-HG-JR1-02A through 17429-HG-JR1-02G, and 17429-HG-JR2-02A through 17429-HG-JR2-02G). Laboratory analysis identified **asbestos-content (2 - 4% Chrysotile)** in the skim coat plaster layer of thirteen (13) samples (17429-HG-JR0-02E through 17429-HG-JR0-02G, 17429-HG-JR1-02A, 17429-HG-JR1-02C, 17429-HG-JR1-02E, 17429-HG-JR1-02F, 17429-HG-JR2-02A through 17429-HG-JR2-02E and 17429-HG-JR2-02G).
- ii. A total of nineteen (19) samples of plaster (wall), five-to-seven (5-7) samples per level, were collected from various locations throughout the Interns Residence (samples 17429-HG-JR0-06A through 17429-HG-JR0-06E, 17429-HG-JR1-06A through 17429-HG-JR1-06G, and 17429-HG-JR2-06A through 17429-HG-JR2-06G). Laboratory analysis identified **asbestos-content (2 - 4% Chrysotile)** in the skim coat plaster layer of seventeen (17) samples (17429-HG-JR0-06A through 17429-HG-JR0-06E, 17429-HG-JR1-06A through 17429-HG-JR1-06E, and 17429-HG-JR2-06A through 17429-HG-JR2-06G).
- iii. A total of nineteen (19) samples of drywall joint compound (ceiling), five-to-seven (5-7) samples per level, were collected from various locations throughout the Interns Residence (samples 17429-HG-JR0-01A through 17429-HG-JR0-01G, 17429-HG-JR1-01A through 17429-HG-JR1-01G, and 17429-HG-JR2-01A through 17429-HG-JR2-01E). Laboratory analysis determined this material does not contain asbestos.
- iv. A total of nineteen (19) samples of drywall joint compound (wall), five-to-seven (5-7) samples per level, were collected from various locations throughout the Interns Residence (samples 17429-HG-JR0-05A through 17429-HG-JR0-05G, 17429-HG-JR1-05A through 17429-HG-JR1-05G, and 17429-HG-JR2-05A through 17429-HG-JR2-05E). Laboratory analysis determined this material does not contain asbestos.
- v. A total of six (6) samples of two (2) visually distinct types of acoustic ceiling tile, three (3) samples per distinct tile, we collected from various locations throughout the Interns Residence (samples 17429-HG-JR1-03A through 17429-HG-JR1-03C, and 17429-HG-JR2-03A through 17429-HG-JR2-03C). Laboratory analysis determined this material does not contain asbestos.

McMaster-Wing

- i. **Chrysotile asbestos** was detected in bulk sample(s) of Plaster (wall and ceiling) sampled during the 2008 reassessment survey of the property.
- ii. A total of twenty-one (21) samples of plaster (ceiling), seven (7) samples per level (where found) and in the East and West Stairwells, were collected from various locations throughout the McMaster Wing (samples 17429-HG-MC0-02A through 17429-HG-MC0-02G, 17429-HG-MC-02A through 17429-HG-MC-02G, and 17429-HG-MC-02A through 17429-HG-MC-02G). Laboratory analysis determined this material does not contain asbestos.
- iii. A total of seven (7) samples of plaster (wall) were collected from various locations throughout the McMaster Wing (samples 17429-HG-MC0-06A through 17429-HG-MC0-06G). Laboratory analysis determined this material does not contain asbestos.
- iv. A total of seven (7) samples of textured plaster (wall) were collected from Level 0 of the McMaster Wing (samples 17429-HG-MC0-08A through 17429-HG-MC0-08G). Laboratory analysis identified **asbestos-content (2 - 3% Chrysotile)** in three (3) samples (17429-HG-MC0-08C, 17429-HG-MC0-08E and 17429-HG-MC0-08F).
- v. **Chrysotile asbestos** was detected in bulk sample(s) of Drywall Joint Compound (wall and ceiling) sampled during the 2008 reassessment survey of the property. The application (wall or ceiling) was not clearly identified for samples that came back as asbestos-containing.
- vi. A total of thirteen (13) samples of drywall joint compound (ceiling), three-to-seven (3-7) samples per level (where found), were collected from various locations throughout the McMaster Wing (samples 17429-HG-MC0-01A through 17429-HG-MC0-01C, 17429-HG-MC2-01A through 17429-HG-MC2-01C, and 17429-HG-MC3-01A through 17429-HG-MC3-01G). Laboratory analysis determined this material does not contain asbestos.
- vii. A total of thirty-one (31) samples of drywall joint compound (wall), five-to-seven (5-7) samples per level (where found), were collected from various locations throughout the McMaster Wing (samples 17429-HG-MC0-05A through 17429-HG-MC0-05E, 17429-HG-MC1-05A through 17429-HG-MC1-05G, 17429-HG-MC2-05A through 17429-HG-MC2-05E, 17429-HG-MC3-05A through 17429-HG-MC3-05G and 17429-HG-MC4-05A through 17429-HG-MC4-05G). Laboratory analysis identified **asbestos-content (2% Chrysotile)** in four (4) samples (17429-HG-MC0-05E, 17429-HG-MC4-05B, 17429-HG-MC4-05E and 17429-HG-MC4-05F).

- viii. Amosite and Chrysotile asbestos was detected in bulk samples of one (1) visually distinct type of ceiling tile (12"x12" Glue-on scattered dot and fissure pattern) sampled during the 2008 reassessment survey of the property. This material was observed within the Margaret Charter's Auditorium.
- ix. A total of thirty-three (33) samples of four (4) visually distinct types of acoustic ceiling tile, three (3) samples per distinct tile were collected from various locations throughout the McMaster Wing (samples 17429-HG-MC0-03A through 17429-HG-MC0-03C, 17429-HG-MC0-04A through 17429-HG-MC0-04C, 17429-HG-MC0-09A through 17429-HG-MC0-09C, 17429-HG-MC1-03A through 17429-HG-MC1-03C, 17429-HG-MC2-03A through 17429-HG-MC2-03C, 17429-HG-MC2-04A through 17429-HG-MC2-04C, 17429-HG-MC3-03A through 17429-HG-MC3-03C, 17429-HG-MC4-03A through 17429-HG-MC4-03C, 17429-HG-MC5-03A through 17429-HG-MC5-03C, 17429-HG-MC6-03A through 17429-HG-MC6-03C, and 17429-HG-MC7-03A through 17429-HG-MC7-03C). Laboratory analysis identified **asbestos-content (5-6% Amosite)** in Ceiling Tile 10 (1' x 1' Glue-on ceiling tile with medium & small pinholes) (samples 17429-HG-MC4-04A through 17429-HG-MC4-04C).
- x. Parking Garage
 - i. A total of seven (7) samples of plaster (wall), were collected from the Parking Garage Units (samples 17429-HG-06A through 17429-HG-06G). Laboratory analysis determined this material does not contain asbestos.
 - ii. A total of ten (10) samples of drywall joint compound (ceiling), were collected from the Parking Garage Units (samples 17429-HG-PGLab-01A through 17429-HG-PGLab-01G and 17429-HG-PGO-01A through 17429-HG-PGO-01C). Laboratory analysis determined this material does not contain asbestos.
 - iii. A total of seven (7) samples of drywall joint compound (wall), were collected from the Parking Garage Units (samples 17429-HG-PGLab-01A through 17429-HG-PGLab-01G). Laboratory analysis determined this material does not contain asbestos
 - iv. A total of six (6) samples of two (2) visually distinct types of acoustic ceiling tile, three (3) samples per distinct tile, we collected from various locations throughout the Parking Garage Units (samples 17429-HG-PGLab-03A through 17429-HG-PGLab-03C, and 17429-HG-PG0-03A through 17429-HG-PG0-03C). Laboratory analysis determined this material does not contain asbestos.

Discussion of Results and Recommendations:

Based on the analytical results and on-site observations, ECOH offers the following recommendations for your consideration. The recommendations meet requirements of Designated Substance – Regulation respecting Asbestos on Construction Projects and in Buildings and Repair Operations, Ontario Regulation 278/05.

- As asbestos-containing materials are confirmed and/or assumed to be present within the facility, the policies and procedures as outlined in the Asbestos Management Program (AMP) should continue to be implemented. Reassessment of the condition of ACM should be conducted by a knowledgeable person annually (at a minimum).
- Plaster (ceilings and walls) throughout all levels (Level 0 through Level 2) of the Interns Residence/Nurse’s Residence/HIU are assumed to be asbestos-containing (Chrysotile asbestos).
- Textured Plaster (walls) throughout the Basement Level (Level 0) of the McMaster Wing are assumed to be **asbestos-containing** (Chrysotile asbestos).
- Drywall Joint Compound (walls) throughout all levels (Level 0 through Level 7) of the McMaster Wing are assumed to be **asbestos containing**. (Chrysotile asbestos).
- Two (2) visually distinct types of acoustic ceiling tiles in the Margaret Charter’s Auditorium (Level 1) and in the Level 2 Elevator Lobby of the McMaster Wing are asbestos containing (Amosite and Chrysotile asbestos)
- Materials previously identified to contain “trace” concentrations of asbestos (i.e. less than the regulatory threshold of 0.5% or greater for an asbestos-containing material) can be assumed to be non-asbestos for management purposes. However, additional sampling and investigation should be undertaken prior to work to supplement previous sampling and to confirm asbestos-content of these materials.
- Prior to renovations, maintenance work or building demolition, consideration should be given to sampling materials that may not have been previously sampled. Also, additional sampling and investigation may be required prior to renovations, maintenance work or building demolition to ensure that concealed conditions are assessed and project-specific requirements for asbestos sampling are in compliance with Section 30 of the Ontario Occupational Health and Safety Act (OHSA) and Ontario Regulation 278/05. As an alternative to sampling, suspect materials they may be assumed to contain asbestos.
- Removal or disturbance of materials confirmed to be non-asbestos does not require asbestos safety precautions but should employ general health and safety precautions that may include dust suppression methods.

- Workers who are likely to disturb the materials listed above must be informed that such materials may contain asbestos and that asbestos precautions may be required. Removal of known or assumed ACM must be conducted in accordance with all applicable regulations and the Asbestos Management Plan (AMP).

Please refer to the accompanying Certificates of Analysis from EMSL Scientific Inc. Laboratory to confirm the above-noted analytical results and for further details regarding the composition of the sample(s). For your records, the Chain of Custody and Certificate of Analysis for all sampling are attached.

Limitations:

The observations, results and conclusions drawn by ECOH Management Inc. (ECOH) are limited to the specific scope of work for which ECOH was retained, and are based solely on information generated as a result of the specific scope of work authorized by the Client. Only those items that are capable of being observed, and are reasonably obvious to ECOH personnel or have been identified to ECOH by other parties, can be reported. ECOH has exercised a degree of thoroughness and competence that is consistent with the profession during the execution of this assessment. ECOH considers the opinions and information as they are presented in this report to be factual at the time of the assessment. The conclusions are limited to the specific locations of where testing and/or observations were completed during the course of the assessment.

It is important to note that work was completed with the utmost care and our extensive expertise in carrying out assessments. ECOH believes that the information collected during the assessment concerning the Project Area is reliable. No other warranties are implied or expressed. ECOH, to the best of its knowledge, believes this report to be accurate, however, ECOH cannot guarantee the completeness or accuracy of information supplied to ECOH by third parties.

ECOH is an Environmental Consulting Company and as such any results or conclusions presented in this report should not be construed as legal advice. The material in this report reflects ECOH's professional interpretation of information available at the time of report preparation. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. ECOH accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report. Should additional information become available that suggests other environmental issues of concern beyond that described in this report, ECOH Management Inc. retains the right to review this information and modify conclusions and recommendations presented in this report accordingly.

Should you have any questions, please do not hesitate to contact us at (905) 795-2800.

Sincerely,

ECOH
Environmental Consulting
Occupational Health

Prepared By:



Brittanie Semper B.E.S.
Environmental Scientist

Reviewed By:



Brian Edwardson, M.S., B.Sc.(Env.)
Senior Project Manager

Attachment 1: Certificate of Analysis
Attachment 2: Drawings – Asbestos Bulk Sample Locations

ATTACHMENT 1
CERTIFICATE OF ANALYSIS



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EMSL Canada Order: 551704831

Customer ID: 55ECOH45

Customer PO: 17429-HG

Project ID:

Attention: Brittanie Semper
ECOH Management, Inc.
75 Courtneypark Drive West
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Received Date: 05/01/2017 9:55 AM

Analysis Date: 05/08/2017

Collected Date: 04/05/2017

Project: 17429-HG

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-E1-01A <small>551704831-0001</small>	DJC - Ceiling - Stairwell/Vestibule	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-01B <small>551704831-0002</small>	DJC - Ceiling - Elevator Lobby	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-01C <small>551704831-0003</small>	DJC- Ceiling- Meeting and Storage Room (Rm. 31)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-01D <small>551704831-0004</small>	DJC- Ceiling- Meeting and Storage Room (Rm. 31)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-01E <small>551704831-0005</small>	DJC - Ceiling - Janitor's Closet	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-01F <small>551704831-0006</small>	DJC - Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-01G <small>551704831-0007</small>	DJC - Ceiling - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-03A <small>551704831-0008</small>	Ceiling Tile- 2'x4' Pinholes w/ Small Fissures	Gray Fibrous Homogeneous	50% Cellulose 30% Glass	20% Non-fibrous (Other)	None Detected
17429-HG-E1-03B <small>551704831-0009</small>	Ceiling Tile- 2'x4' Pinholes w/ Small Fissures	Gray Fibrous Homogeneous	50% Cellulose 30% Glass	20% Non-fibrous (Other)	None Detected
17429-HG-E1-03C <small>551704831-0010</small>	Ceiling Tile- 2'x4' Pinholes w/ Small Fissures	Gray Fibrous Homogeneous	50% Cellulose 30% Glass	20% Non-fibrous (Other)	None Detected
17429-HG-E1-05A <small>551704831-0011</small>	DJC -Wall - Elevator Lobby	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-05B <small>551704831-0012</small>	DJC- Wall- Treatment Room (Rm. 1-09)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-05C <small>551704831-0013</small>	DJC -Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-05D <small>551704831-0014</small>	DJC -Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-05E <small>551704831-0015</small>	DJC -Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-05F <small>551704831-0016</small>	DJC -Wall -Women's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-E1-05G <small>551704831-0017</small>	DJC -Wall - Foyer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-01A <small>551704831-0018</small>	DJC - Ceiling - Elevator Lobby	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-01B <small>551704831-0019</small>	DJC - Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-01C <small>551704831-0020</small>	DJC - Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-01D <small>551704831-0021</small>	DJC - Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-01E <small>551704831-0022</small>	DJC - Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-01F <small>551704831-0023</small>	DJC - Ceiling - Rm. 35	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-01G <small>551704831-0024</small>	DJC - Ceiling - Rm. 8	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-02A-Skim Coat <small>551704831-0025</small>	Plaster Ceiling - South Stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-02A-Base Coat <small>551704831-0025A</small>	Plaster Ceiling - South Stairwell	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-02B-Skim Coat <small>551704831-0026</small>	Plaster Ceiling - Elevator Lobby	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-02B-Base Coat <small>551704831-0026A</small>	Plaster Ceiling - Elevator Lobby	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-02C-Skim Coat <small>551704831-0027</small>	Plaster Ceiling - North Stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-02C-Bas e Coat <small>551704831-0027A</small>	Plaster Ceiling - North Stairwell	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-02D-Skim Coat <small>551704831-0028</small>	Plaster Ceiling - North Stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-02D-Bas e Coat <small>551704831-0028A</small>	Plaster Ceiling - North Stairwell	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-E2-02E-Skim Coat	Plaster Ceiling - North Stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0029					
17429-HG-E2-02E-Base Coat	Plaster Ceiling - North Stairwell	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0029A					
17429-HG-E2-02F-Skim Coat	Plaster Ceiling - North Stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0030					
17429-HG-E2-02F-Base Coat	Plaster Ceiling - North Stairwell	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0030A					
17429-HG-E2-02G-Skim Coat	Plaster Ceiling - North Stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0031					
17429-HG-E2-02G-Base Coat	Plaster Ceiling - North Stairwell	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0031A					
17429-HG-E2-03A	Ceiling Tile - 2'x4' Pinhole w/ Small Fissures	Gray Fibrous Homogeneous	60% Cellulose 20% Glass	20% Non-fibrous (Other)	None Detected
551704831-0032					
17429-HG-E2-03B	Ceiling Tile - 2'x4' Pinhole w/ Small Fissures	Gray Fibrous Homogeneous	60% Cellulose 20% Glass	20% Non-fibrous (Other)	None Detected
551704831-0033					
17429-HG-E2-03C	Ceiling Tile - 2'x4' Pinhole w/ Small Fissures	Gray Fibrous Homogeneous	60% Cellulose 20% Glass	20% Non-fibrous (Other)	None Detected
551704831-0034					
17429-HG-E2-05A	DJC -Wall - Elevator Lobby	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0035					
17429-HG-E2-05B	DJC- Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0036					
17429-HG-E2-05C	DJC- Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0037					
17429-HG-E2-05D	DJC- Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0038					
17429-HG-E2-05E	DJC -Wall -Women's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0039					
17429-HG-E2-05F	DJC- Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0040					
17429-HG-E2-05G	DJC- Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0041					
17429-HG-E2-06A	Plaster Wall - Elevator Lobby	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0042					

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-E2-06B 551704831-0043	Plaster Wall- Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-06C 551704831-0044	Plaster Wall- Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-06D 551704831-0045	Plaster Wall- Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-06E 551704831-0046	Plaster Wall- Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-06F 551704831-0047	Plaster Wall- Janitor's Closet	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-06G 551704831-0048	Plaster Wall- Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-07A 551704831-0049	Fireproofing Material on Exposed Steel Beams	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-07B 551704831-0050	Fireproofing Material on Exposed Steel Beams	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-07C 551704831-0051	Fireproofing Material on Exposed Steel Beams	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-07D 551704831-0052	Fireproofing Material on Exposed Steel Beams	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-07E 551704831-0053	Fireproofing Material on Exposed Steel Beams	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-07F 551704831-0054	Fireproofing Material on Exposed Steel Beams	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E2-07G 551704831-0055	Fireproofing Material on Exposed Steel Beams	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-01A 551704831-0056	DJC - Ceiling - Elevator Lobby	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-01B 551704831-0057	DJC - Ceiling - Elevator Lobby	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-01C 551704831-0058	DJC - Ceiling -Women's Changeroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-01D 551704831-0059	DJC - Ceiling -Men's Changeroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-01E 551704831-0060	DJC - Ceiling -Men's Changeroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-01F 551704831-0061	DJC - Ceiling - Gym	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-E3-01G <small>551704831-0062</small>	DJC - Ceiling - Gym	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-02A <small>551704831-0063</small>	Plaster Ceiling - Elevator Lobby	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-02B <small>551704831-0064</small>	Plaster Ceiling - Stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-02C <small>551704831-0065</small>	Plaster Ceiling - Janitor's Closet	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-02D <small>551704831-0066</small>	Plaster Ceiling- Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-02E <small>551704831-0067</small>	Plaster Ceiling - Staffroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-02F <small>551704831-0068</small>	Plaster Ceiling -Women's Change Room	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-02G <small>551704831-0069</small>	Plaster Ceiling - North Stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-03A <small>551704831-0070</small>	Ceiling Tile - 2'x4' Pinhole and Small Fissure	Gray Fibrous Homogeneous	60% Cellulose 10% Glass	30% Non-fibrous (Other)	None Detected
17429-HG-E3-03B <small>551704831-0071</small>	Ceiling Tile - 2'x4' Pinhole and Small Fissure	Gray Fibrous Homogeneous	60% Cellulose 10% Glass	30% Non-fibrous (Other)	None Detected
17429-HG-E3-03C <small>551704831-0072</small>	Ceiling Tile - 2'x4' Pinhole and Small Fissure	Gray Fibrous Homogeneous	60% Cellulose 10% Glass	30% Non-fibrous (Other)	None Detected
17429-HG-E3-04A <small>551704831-0073</small>	Ceiling Tile - 2'x2' Small and Large Pinholes	Gray Fibrous Homogeneous	50% Cellulose 30% Glass	20% Non-fibrous (Other)	None Detected
17429-HG-E3-04B <small>551704831-0074</small>	Ceiling Tile - 2'x2' Small and Large Pinholes	Gray Fibrous Homogeneous	50% Cellulose 30% Glass	20% Non-fibrous (Other)	None Detected
17429-HG-E3-04C <small>551704831-0075</small>	Ceiling Tile - 2'x2' Small and Large Pinholes	Gray Fibrous Homogeneous	50% Cellulose 30% Glass	20% Non-fibrous (Other)	None Detected
17429-HG-E3-05A <small>551704831-0076</small>	DJC -Wall - Elevator Lobby	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-05B <small>551704831-0077</small>	DJC -Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-05C <small>551704831-0078</small>	DJC -Wall - Staff Room (Rm. 322)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-05D <small>551704831-0079</small>	DJC- Wall- Washroom (Rm. 323)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-05E <small>551704831-0080</small>	DJC- Wall- Female Washroom (Rm. 334)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
17429-HG-E3-05F <small>551704831-0081</small>	DJC- Wall- Exercise Room (Rm. 331)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-05G <small>551704831-0082</small>	DJC -Wall - Male Washroom (Rm. 335)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-06A-Skim Coat <small>551704831-0083</small>	Plaster Wall - Elevator Lobby	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-06A-Base Coat <small>551704831-0083A</small>	Plaster Wall - Elevator Lobby	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-06B-Skim Coat <small>551704831-0084</small>	Plaster Wall - Front Desk Lobby	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-06B-Base Coat <small>551704831-0084A</small>	Plaster Wall - Front Desk Lobby	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-06C <small>551704831-0085</small>	Plaster Wall- Staff Room (Rm. 322)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-06D <small>551704831-0086</small>	Plaster Wall- Female Washroom (Rm. 334)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-06E <small>551704831-0087</small>	Plaster Wall- Exercise Room (Rm. 331)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-06F-Skim Coat <small>551704831-0088</small>	Plaster Wall- Exercise Room (Rm. 331)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-06F-Base Coat <small>551704831-0088A</small>	Plaster Wall- Exercise Room (Rm. 331)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E3-06G <small>551704831-0089</small>	Plaster Wall- Exercise Room (Rm. 331)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-01A <small>551704831-0090</small>	DJC - Ceiling - Stairwell Vestibule	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-01B <small>551704831-0091</small>	DJC- Ceiling -Women's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-01C <small>551704831-0092</small>	DJC - Ceiling - Men's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-01D <small>551704831-0093</small>	DJC - Ceiling - Storage Room	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-01E <small>551704831-0094</small>	DJC - Ceiling - Storage Room	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
17429-HG-E4-01F <small>551704831-0095</small>	DJC - Ceiling - Storage Room	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-01G <small>551704831-0096</small>	DJC - Ceiling - Storage Room	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-02A-Skim Coat <small>551704831-0097</small>	Plaster Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-02A-Base Coat <small>551704831-0097A</small>	Plaster Ceiling - Corridor	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-02B-Skim Coat <small>551704831-0098</small>	Plaster Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-02B-Base Coat <small>551704831-0098A</small>	Plaster Ceiling - Corridor	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-02C-Skim Coat <small>551704831-0099</small>	Plaster Ceiling - Men's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-02C-Base Coat <small>551704831-0099A</small>	Plaster Ceiling - Men's Washroom	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-02D-Skim Coat <small>551704831-0100</small>	Plaster Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-02D-Base Coat <small>551704831-0100A</small>	Plaster Ceiling - Corridor	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-02E-Skim Coat <small>551704831-0101</small>	Plaster Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-02E-Base Coat <small>551704831-0101A</small>	Plaster Ceiling - Corridor	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-02F-Skim Coat <small>551704831-0102</small>	Plaster Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-02F-Base Coat <small>551704831-0102A</small>	Plaster Ceiling - Corridor	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-02G-Skim Coat <small>551704831-0103</small>	Plaster Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Canada Order: 551704831

Customer ID: 55ECOH45

Customer PO: 17429-HG

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-E4-02G-Bas e Coat	Plaster Ceiling - Corridor	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0103A					
17429-HG-E4-03A	Ceiling Tiles - 2'x4' Pinholes w/ Small Fissures	Gray/White Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Non-fibrous (Other)	None Detected
551704831-0104					
17429-HG-E4-03B	Ceiling Tiles - 2'x4' Pinholes w/ Small Fissures	Gray/White Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Non-fibrous (Other)	None Detected
551704831-0105					
17429-HG-E4-03C	Ceiling Tiles - 2'x4' Pinholes w/ Small Fissures	Gray/White Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Non-fibrous (Other)	None Detected
551704831-0106					
17429-HG-E4-04A	Ceiling Tiles - 2'x4' Pinholes w/ Medium Fissures	Gray/White Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Non-fibrous (Other)	None Detected
551704831-0107					
17429-HG-E4-04B	Ceiling Tiles - 2'x4' Pinholes w/ Medium Fissures	Gray/White Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Non-fibrous (Other)	None Detected
551704831-0108					
17429-HG-E4-04C	Ceiling Tiles - 2'x4' Pinholes w/ Medium Fissures	Gray/White Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Non-fibrous (Other)	None Detected
551704831-0109					
17429-HG-E4-05A	DJC -Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0110					
17429-HG-E4-05B	DJC -Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0111					
17429-HG-E4-05C	DJC -Wall -Women's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0112					
17429-HG-E4-05D	DJC -Wall -Men's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0113					
17429-HG-E4-05E	DJC -Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0114					
17429-HG-E4-05F	DJC -Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0115					
17429-HG-E4-05G	DJC -Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0116					
17429-HG-E4-06A	Plaster Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0117					
17429-HG-E4-06B-Skim Coat	Plaster Wall - Men's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0118					
17429-HG-E4-06B-Base Coat	Plaster Wall - Men's Washroom	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0118A					
17429-HG-E4-06C	Plaster Wall- Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704831-0119					

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-E4-06D <small>551704831-0120</small>	Plaster Wall- Office (Rm. 431)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-06E-Skim Coat <small>551704831-0121</small>	Plaster Wall - Exam Room (Rm. 429)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-06E-Base Coat <small>551704831-0121A</small>	Plaster Wall - Exam Room (Rm. 429)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-06F-Skim Coat <small>551704831-0122</small>	Plaster Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-06F-Base Coat <small>551704831-0122A</small>	Plaster Wall - Corridor	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-06G-Skim Coat <small>551704831-0123</small>	Plaster Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E4-06G-Base Coat <small>551704831-0123A</small>	Plaster Wall - Corridor	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-06A <small>551704831-0124</small>	Plaster Wall - Elevator Lobby	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-06B <small>551704831-0125</small>	Plaster Wall - Foyer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-06C <small>551704831-0126</small>	Plaster - Foyer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-06D <small>551704831-0127</small>	Plaster - Foyer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-E1-06E <small>551704831-0128</small>	Plaster Wall - Elevator Lobby	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Michelle Skillman (60)

Tom Hanes (89)

Matthew Davis
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NVLAP Lab Code 200056-0

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EMSL Canada Order: 551704829

Customer ID: 55ECOH45

Customer PO: 17429-HG

Project ID:

Attention: Brittanie Semper
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Received Date: 05/01/2017 5:00 PM

Analysis Date: 05/08/2017

Collected Date: 04/04/2017

Project: 17429-HG Hamilton General North Wing

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

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
17429-HG-N1 01A <small>551704829-0001</small>	DJC - Ceiling - Cafeteria West	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N1 01B <small>551704829-0002</small>	DJC - Ceiling - Cafeteria East	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N1 01C <small>551704829-0003</small>	DJC - Ceiling - Cafeteria Northwest	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N1 01D <small>551704829-0004</small>	DJC - Ceiling - Cafeteria Northwest	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N1 01E <small>551704829-0005</small>	DJC - Ceiling - Cafeteria Northeast	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N1 01F <small>551704829-0006</small>	DJC - Ceiling - Cafeteria Southeast	White Fibrous Homogeneous	2% Wollastonite	98% Non-fibrous (Other)	None Detected
17429-HG-N1 01G <small>551704829-0007</small>	DJC - Ceiling - Cafeteria South	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N1 03A <small>551704829-0008</small>	Ceiling Tile - 2'x4' Pinholes and Small Fissures	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N1 03B <small>551704829-0009</small>	Ceiling Tile - 2'x4' Pinholes and Small Fissures	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N1 03C <small>551704829-0010</small>	Ceiling Tile - 2'x4' Pinholes and Small Fissures	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N1 05A <small>551704829-0011</small>	DJC - Wall - Cafeteria	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N1 05B <small>551704829-0012</small>	DJC - Wall - Cafeteria	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N1 05C <small>551704829-0013</small>	DJC - Wall - Cafeteria	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N1 05D <small>551704829-0014</small>	DJC - Wall - Cafeteria	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N1 05E <small>551704829-0015</small>	DJC - Wall - Cafeteria	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N1 05F <small>551704829-0016</small>	DJC - Wall - Cafeteria	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected

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EMSL Canada Order: 551704829

Customer ID: 55ECOH45

Customer PO: 17429-HG

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-N1 05G <small>551704829-0017</small>	DJC - Wall - Cafeteria	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N1 06A <small>551704829-0018</small>	Plaster Wall - Cafeteria	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N1 06B <small>551704829-0019</small>	Plaster Wall - Cafeteria	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N1 06C <small>551704829-0020</small>	Plaster Wall - Cafeteria	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N1 06D <small>551704829-0021</small>	Plaster Wall - Cafeteria	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N1 06E <small>551704829-0022</small>	Plaster Wall - Cafeteria	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
17429-HG-N1 06F <small>551704829-0023</small>	Plaster Wall - Cafeteria				Not Submitted
17429-HG-N1 06G <small>551704829-0024</small>	Plaster Wall - Cafeteria	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N2 01A <small>551704829-0025</small>	DJC - Ceiling - Staff Washroom	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N2 01B <small>551704829-0026</small>	DJC - Ceiling - Corridor (Bulkhead)	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N2 01C <small>551704829-0027</small>	DJC - Ceiling - Janitor's Closet	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N2 01D <small>551704829-0028</small>	DJC - Ceiling - Corridor	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N2 01E <small>551704829-0029</small>	DJC - Ceiling - Waiting Room	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N2 01F <small>551704829-0030</small>	DJC - Ceiling - Washroom	White Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
17429-HG-N2 01G <small>551704829-0031</small>	DJC - Ceiling - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N2 03A <small>551704829-0032</small>	Ceiling Tile - 2'x4' Pinholes and Clustered Flecks	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N2 03B <small>551704829-0033</small>	Ceiling Tile - 2'x4' Pinholes and Clustered Flecks	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N2 03C <small>551704829-0034</small>	Ceiling Tile - 2'x4' Pinholes and Clustered Flecks	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N2 05A <small>551704829-0035</small>	DJC - Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-N2 05B 551704829-0036	DJC - Wall - Housekeeping Closet (C-249)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N2 05C 551704829-0037	DJC - Wall - Office (C-248)	White Fibrous Homogeneous	2% Wollastonite	98% Non-fibrous (Other)	None Detected
17429-HG-N2 05D 551704829-0038	DJC - Wall - Corridor	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3U 01A 551704829-0039	DJC - Ceiling - Washroom	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3U 01B 551704829-0040	DJC - Ceiling - Rm. 306	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3U 01C 551704829-0041	DJC - Ceiling - Men's Washroom	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3U 01D 551704829-0042	DJC - Ceiling - Women's Washroom	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3U 01E 551704829-0043	DJC - Ceiling - Janitor's Closet	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3U 01F 551704829-0044	DJC - Ceiling - Office (Rm. 335)	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3U 01G 551704829-0045	DJC - Ceiling - Kitchenette	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3U 03A 551704829-0046	Ceiling Tile - 2'x4' Pinholes and Clustered Flecks	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N3U 03B 551704829-0047	Ceiling Tile - 2'x4' Pinholes and Clustered Flecks	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N3U 03C 551704829-0048	Ceiling Tile - 2'x4' Pinholes and Clustered Flecks	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N3U 05A 551704829-0049	DJC - Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N3L 01A 551704829-0050	DJC - Ceiling - Women's Washroom	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3L 01B 551704829-0051	DJC - Ceiling - Women's Washroom	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3L 01C 551704829-0052	DJC - Ceiling - Shower Room	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3L 01D 551704829-0053	DJC - Ceiling - Janitor's Closet	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3L 01E 551704829-0054	DJC - Ceiling - Men's Changeroom	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-N3L 01F <small>551704829-0055</small>	DJC - Ceiling - Conference Room	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3L 01G <small>551704829-0056</small>	DJC - Ceiling - Hallway Window (North)	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3L 03A <small>551704829-0057</small>	Ceiling Tile - 2'x4' Pinholes and Clustered Flecks	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N3L 03B <small>551704829-0058</small>	Ceiling Tile - 2'x4' Pinholes and Clustered Flecks	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N3L 03C <small>551704829-0059</small>	Ceiling Tile - 2'x4' Pinholes and Clustered Flecks	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N3L 04A <small>551704829-0060</small>	Ceiling Tile - 2'x4' Textured w/ Tiny Pinholes	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N3L 04B <small>551704829-0061</small>	Ceiling Tile - 2'x4' Textured w/ Tiny Pinholes	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N3L 04C <small>551704829-0062</small>	Ceiling Tile - 2'x4' Textured w/ Tiny Pinholes	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N3L 05A <small>551704829-0063</small>	DJC - Wall - Ladies Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N3L 05B <small>551704829-0064</small>	DJC - Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N3L 05C <small>551704829-0065</small>	DJC - Wall - Conference Room (L-323)	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3L 05D <small>551704829-0066</small>	DJC - Wall - Corridor	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3L 05E <small>551704829-0067</small>	DJC - Wall - Men's Locker Room (3L-309)	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3L 05F <small>551704829-0068</small>	DJC - Wall - Corridor	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N3L 05G <small>551704829-0069</small>	DJC - Wall - Kitchenette	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N4 01A <small>551704829-0070</small>	DJC - Ceiling - Rm. 436	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N4 01B <small>551704829-0071</small>	DJC - Ceiling - Rm. 433	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N4 01C <small>551704829-0072</small>	DJC - Ceiling - Women's Washroom	White Non-Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N4 01D <small>551704829-0073</small>	DJC - Ceiling - Rm. 429	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected

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EMSL Canada Order: 551704829

Customer ID: 55ECOH45

Customer PO: 17429-HG

Project ID:

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-N4 01E <small>551704829-0074</small>	DJC - Ceiling - Men's Washroom	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N4 01F <small>551704829-0075</small>	DJC - Ceiling - Rm. 428	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N4 01G <small>551704829-0076</small>	DJC - Ceiling - Health and Safety Rm.	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N4 03A <small>551704829-0077</small>	Ceiling Tile - 2'x4' Pinholes and Clustered Flecks	Beige Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N4 03B <small>551704829-0078</small>	Ceiling Tile - 2'x4' Pinholes and Clustered Flecks	Beige Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N4 03C <small>551704829-0079</small>	Ceiling Tile - 2'x4' Pinholes and Clustered Flecks	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N4 05A <small>551704829-0082</small>	DJC - Wall - Volunteers Room (Rm. 436)	White Non-Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N4 05B <small>551704829-0083</small>	DJC - Wall - Ladies Washroom	White Non-Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N4 05C <small>551704829-0084</small>	DJC - Wall - Housekeeping (Rm. 428)	White Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N4 05D <small>551704829-0085</small>	DJC - Wall - Storage Room (Rm. 417)	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N4 05E <small>551704829-0086</small>	DJC - Wall - Corridor	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N5 01A <small>551704829-0087</small>	DJC - Ceiling -Corridor	White Non-Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N5 01B <small>551704829-0088</small>	DJC - Ceiling -Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N5 01C <small>551704829-0089</small>	DJC - Ceiling -Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N5 01D <small>551704829-0090</small>	DJC - Ceiling -Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N5 01E <small>551704829-0091</small>	DJC - Ceiling -Office (East)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N5 01F <small>551704829-0092</small>	DJC - Ceiling -Office Washroom (East)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N5 01G <small>551704829-0093</small>	DJC - Ceiling -Office (Rm. 527)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N5 03A <small>551704829-0094</small>	Ceiling Tile - 2'x4' Pinholes w/ Small Fissures	Beige Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-N5 03B <small>551704829-0095</small>	Ceiling Tile - 2'x4' Pinholes w/ Small Fissures	Beige Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N5 03C <small>551704829-0096</small>	Ceiling Tile - 2'x4' Pinholes w/ Small Fissures	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N5 04A <small>551704829-0097</small>	Ceiling Tile - 2'x2' Pinholes w/ Medium Fissures	Beige Fibrous Homogeneous	40% Cellulose 25% Min. Wool	15% Perlite 20% Non-fibrous (Other)	None Detected
17429-HG-N5 04B <small>551704829-0098</small>	Ceiling Tile - 2'x2' Pinholes w/ Medium Fissures	Beige Fibrous Homogeneous	40% Cellulose 20% Min. Wool	20% Perlite 20% Non-fibrous (Other)	None Detected
17429-HG-N5 04C <small>551704829-0099</small>	Ceiling Tile - 2'x2' Pinholes w/ Medium Fissures	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	20% Perlite 10% Non-fibrous (Other)	None Detected
17429-HG-N5 05A <small>551704829-0100</small>	DJC - Wall - Corridor	White Non-Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N5 05B <small>551704829-0101</small>	DJC - Wall - Corridor	White Non-Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N5 05C <small>551704829-0102</small>	DJC - Wall - Office (Rm. 529)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N5 05D <small>551704829-0103</small>	DJC - Wall - Office (Rm. 527)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N6 01A <small>551704829-0104</small>	DJC - Ceiling - Women's Washroom	White Non-Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N6 01B <small>551704829-0105</small>	DJC - Ceiling - Women's Washroom	White Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N6 01C <small>551704829-0106</small>	DJC - Ceiling - Men's Washroom	White Non-Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N6 01D <small>551704829-0107</small>	DJC - Ceiling - West Side Offices	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N6 01E <small>551704829-0108</small>	DJC - Ceiling - West Side Offices	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N6 01F <small>551704829-0109</small>	DJC - Ceiling - Northwest Side Offices	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N6 01G <small>551704829-0110</small>	DJC - Ceiling - Northwest Side Offices	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N6 03A <small>551704829-0111</small>	Ceiling Tiles - 2'x4' Pinholes w/ Small Fissures	Beige Fibrous Homogeneous	45% Cellulose 20% Min. Wool	20% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N6 03B <small>551704829-0112</small>	Ceiling Tiles - 2'x4' Pinholes w/ Small Fissures	Beige Fibrous Homogeneous	40% Cellulose 25% Min. Wool	20% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N6 03C <small>551704829-0113</small>	Ceiling Tiles - 2'x4' Pinholes w/ Small Fissures	Gray Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-N6 04A 551704829-0114	Ceiling Tiles - 2'x4' Pinholes and Flecks	Beige Fibrous Homogeneous	30% Cellulose 45% Min. Wool	10% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N6 04B 551704829-0115	Ceiling Tiles - 2'x4' Pinholes and Flecks	Beige Fibrous Homogeneous	25% Cellulose 40% Min. Wool	15% Perlite 20% Non-fibrous (Other)	None Detected
17429-HG-N6 04C 551704829-0116	Ceiling Tiles - 2'x4' Pinholes and Flecks	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N6 05A 551704829-0117	DJC - Wall - Corridor	White Non-Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N6 05B 551704829-0118	DJC - Wall - Corridor	White Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N6 05C 551704829-0119	DJC - Wall - Office #11 (Rm. 617)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N6 05D 551704829-0120	DJC - Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N7 01A 551704829-0121	DJC - Ceiling - Men's Washroom	White Non-Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N7 01B 551704829-0122	DJC - Ceiling - Women's Washroom	White Non-Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N7 01C 551704829-0123	DJC - Ceiling - Women's Washroom	White Non-Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N7 01D 551704829-0124	DJC - Ceiling - Storage Room	White Non-Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N7 01E 551704829-0125	DJC - Ceiling - Conference Room	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N7 01F 551704829-0126	DJC - Ceiling - Conference Room	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N7 01G 551704829-0127	DJC - Ceiling - N7-11	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N7 03A 551704829-0128	Ceiling Tile - 2'x4' Pinhole w/ Small Fissures	Beige Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N7 03B 551704829-0129	Ceiling Tile - 2'x4' Pinhole w/ Small Fissures	Beige Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N7 03C 551704829-0130	Ceiling Tile - 2'x4' Pinhole w/ Small Fissures	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N7 04A 551704829-0131	Ceiling Tile - 2'x2' Pinhole w/ Medium Fissures	Beige Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N7 04B 551704829-0132	Ceiling Tile - 2'x2' Pinhole w/ Medium Fissures	Beige Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
17429-HG-N7 04C 551704829-0133	Ceiling Tile - 2'x2' Pinhole w/ Medium Fissures	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
17429-HG-N7 05A 551704829-0134	DJC - Wall - Corridor	White Non-Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N7 05B 551704829-0135	DJC - Wall - Conference Room	White Non-Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N7 05C 551704829-0136	DJC - Wall - Kitchen	White Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N7 05D 551704829-0137	DJC - Wall - Kitchen	White Non-Fibrous Homogeneous	<1% Cellulose <1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N7 05E 551704829-0138	DJC - Wall - Rm. 724	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N7 05F 551704829-0139	DJC - Wall - Stairwell	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N7 05G 551704829-0140	DJC - Wall - Rm. 711	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N8 01A 551704829-0141	DJC - Ceiling - Linen Room	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N8 01B 551704829-0142	DJC - Ceiling - Linen Room	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N8 01C 551704829-0143	DJC - Ceiling - Bath Room	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N8 01D 551704829-0144	DJC - Ceiling - Bath Room	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N8 01E 551704829-0145	DJC - Ceiling - Bath Room	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected
17429-HG-N8 02A 551704829-0146	Plaster Ceiling - Washroom (Rm. 830)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N8 02B 551704829-0147	Plaster Ceiling - Washroom (Rm. 845)	Brown/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N8 02C 551704829-0148	Plaster Ceiling - Washroom (Rm. 834)	Brown/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N8 02D-Skim Coat 551704829-0149	Plaster Ceiling - Washroom (Rm. 830)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N8 02D-Base Coat 551704829-0149A	Plaster Ceiling - Washroom (Rm. 830)	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
17429-HG-N8 02E-Skim Coat	Plaster Ceiling - Washroom (Rm. 817)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704829-0150					
17429-HG-N8 02E-Base Coat	Plaster Ceiling - Washroom (Rm. 817)	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
551704829-0150A					
17429-HG-N8 02F-Skim Coat	Plaster Ceiling - Washroom (Rm. 8N-11)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704829-0151					
17429-HG-N8 02F-Base Coat	Plaster Ceiling - Washroom (Rm. 8N-11)	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
551704829-0151A					
17429-HG-N8 02G-Skim Coat	Plaster Ceiling - Washroom (Rm. 8N-07)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704829-0152					
17429-HG-N8 02G-Base Coat	Plaster Ceiling - Washroom (Rm. 8N-07)	Brown/Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
551704829-0152A					
17429-HG-N8 03A	Ceiling Tile - 2'x4' Small Pinholes w/ Small Fissures	Beige Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
551704829-0153					
17429-HG-N8 03B	Ceiling Tile - 2'x4' Small Pinholes w/ Small Fissures	Beige Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
551704829-0154					
17429-HG-N8 03C	Ceiling Tile - 2'x4' Small Pinholes w/ Small Fissures	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	15% Perlite 15% Non-fibrous (Other)	None Detected
551704829-0155					
17429-HG-N8 05A	DJC - Wall - Office (Rm. 808)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704829-0156					
17429-HG-N8 05B	DJC - Wall - Stretcher Alcove	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704829-0157					
17429-HG-N8 05C	DJC - Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704829-0158					
17429-HG-N8 05D	DJC - Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704829-0159					
17429-HG-N8 05E	DJC - Wall - Stretcher Alcove	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704829-0160					
17429-HG-N8 06A-Skim Coat	Plaster Wall - Stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704829-0161					
17429-HG-N8 06A-Base Coat	Plaster Wall - Stairwell	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704829-0161A					
17429-HG-N8 06B	Plaster Wall - Corridor	Brown/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704829-0162					

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			% Fibrous	% Non-Fibrous	% Type
17429-HG-N8 06C <small>551704829-0163</small>	Plaster Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N8 06D <small>551704829-0164</small>	Plaster Wall - Meeting Room (Rm. 803)	Brown/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N8 06E-Skim Coat <small>551704829-0165</small>	Plaster Wall - Office (Rm. 808)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N8 06E-Base Coat <small>551704829-0165A</small>	Plaster Wall - Office (Rm. 808)	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N8 06F-Skim Coat <small>551704829-0166</small>	Plaster Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N8 06F-Base Coat <small>551704829-0166A</small>	Plaster Wall - Corridor	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N8 06G-Skim Coat <small>551704829-0167</small>	Plaster Wall - One Bed (Rm. 824)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N8 06G-Base Coat <small>551704829-0167A</small>	Plaster Wall - One Bed (Rm. 824)	Brown/Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
17429-HG-N7 06A <small>551704829-0168</small>	Plaster Wall - Stairwell	Brown/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N7 06B <small>551704829-0169</small>	Plaster Wall - Stairwell	Brown/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N6 06C <small>551704829-0170</small>	Plaster Wall - Stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N5 06D-Skim Coat <small>551704829-0171</small>	Plaster Wall - Stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N5 06D-Base Coat <small>551704829-0171A</small>	Plaster Wall - Stairwell	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N4 06E-Skim Coat <small>551704829-0172</small>	Plaster Wall - Stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N4 06E-Base Coat <small>551704829-0172A</small>	Plaster Wall - Stairwell	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-N3U 06F-Skim Coat <small>551704829-0173</small>	Plaster Wall - Stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Canada Order: 551704829

Customer ID: 55ECOH45

Customer PO: 17429-HG

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-N3U 06F-Base Coat	Plaster Wall - Stairwell	Brown/Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
<i>551704829-0173A</i>					
17429-HG-N2 06G-Skim Coat	Plaster Wall - Stairwell	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>551704829-0174</i>					
17429-HG-N2 06G-Base Coat	Plaster Wall - Stairwell	Brown/Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
<i>551704829-0174A</i>					

Analyst(s)

Billy Barnes (64)

Joshua Moorman (60)

Kelly Gallisdorfer (59)

Matthew Davis
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

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EMSL Canada Order: 551704815

Customer ID: 55ECOH45

Customer PO: 17429-HG

Project ID:

Attention: Brittanie Semper
ECOH Management, Inc.
75 Courtneypark Drive West
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Phone: (905) 795-2800

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Received Date: 05/01/2017 5:00 PM

Analysis Date: 05/05/2017 - 05/08/2017

Collected Date: 04/05/2017

Project: 17429-HG Hamilton General Jr Res Wing

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-JR0 01A-Joint Compound	DJC - Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0001A					
17429-HG-JR0 01B-Joint Compound	DJC - Ceiling - Office/Storage	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0002A					
17429-HG-JR0 01C-Joint Compound	DJC - Ceiling - Office/Storage	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0003A					
17429-HG-JR0 01D-Joint Compound	DJC - Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0004A					
17429-HG-JR0 01E-Joint Compound	DJC - Ceiling - Office/Storage	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0005A					
17429-HG-JR0 01F-Joint Compound	DJC - Ceiling - Alcove	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0006A					
17429-HG-JR0 01G-Joint Compound	DJC - Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0007A					
17429-HG-JR0 02A-Skim Coat	Plaster Ceiling - Stairwell (middle)	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0008					
17429-HG-JR0 02A-Base Coat	Plaster Ceiling - Stairwell (middle)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0008A					
17429-HG-JR0 02B-Skim Coat	Plaster Ceiling - Stairwell (middle)	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0009					
17429-HG-JR0 02B-Base Coat	Plaster Ceiling - Stairwell (middle)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0009A					
17429-HG-JR0 02C-Skim Coat	Plaster Ceiling - Stairwell (middle)	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0010					

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-JR0 02C-Base Coat	Plaster Ceiling - Stairwell (middle)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0010A					
17429-HG-JR0 02D-Base Coat	Plaster Ceiling - Stairwell (middle)				Insufficient Material
551704815-0011A					
17429-HG-JR0 02E-Skim Coat	Plaster Ceiling - Stairwell (middle)	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0012					
17429-HG-JR0 02E-Base Coat	Plaster Ceiling - Stairwell (middle)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0012A					
17429-HG-JR0 02F-Skim Coat	Plaster Ceiling - Stairwell (middle)	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0013					
17429-HG-JR0 02F-Base Coat	Plaster Ceiling - Stairwell (middle)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0013A					
17429-HG-JR0 02G-Skim Coat	Plaster Ceiling - Stairwell (middle)	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0014					
17429-HG-JR0 02G-Base Coat	Plaster Ceiling - Stairwell (middle)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0014A					
17429-HG-JR0 05A-Joint Compound	DJC - Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0015A					
17429-HG-JR0 05B-Joint Compound	DJC - Wall - Storage	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0016A					
17429-HG-JR0 05C-Joint Compound	DJC - Wall - Storage	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0017A					
17429-HG-MC0 05D-Joint Compound	DJC - Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0018A					
17429-HG-JR0 05E-Joint Compound	DJC - Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0019A					
17429-HG-JR0 05F-Joint Compound	DJC - Wall - Office/Storage	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0020A					
17429-HG-JR0 05G-Joint Compound	DJC - Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0021A					

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-JR0 06A-Skim Coat	Plaster Wall - Stairwell	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0022					
17429-HG-JR0 06B-Skim Coat	Plaster Wall - Stairwell	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0023					
17429-HG-JR0 06C-Skim Coat	Plaster Wall - Stairwell	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0024					
17429-HG-JR0 06D-Skim Coat	Plaster Wall - Stairwell	White Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
551704815-0025					
17429-HG-JR0 06E-Skim Coat	Plaster Wall - Stairwell	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0026					
17429-HG-JR1 01A-Joint Compound	DJC - Ceiling - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0027A					
17429-HG-JR1 01B-Joint Compound	DJC - Ceiling - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0028A					
17429-HG-JR1 01C-Joint Compound	DJC - Ceiling - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0029A					
17429-HG-JR1 01D-Joint Compound	DJC - Ceiling - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0030A					
17429-HG-JR1 01E-Joint Compound	DJC - Ceiling - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0031A					
17429-HG-JR1 01F-Joint Compound	DJC - Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0032A					
17429-HG-JR1 01G-Joint Compound	DJC - Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0033A					
17429-HG-JR1 02A-Skim Coat	Plaster Ceiling - Entrance Alcove	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0034					
17429-HG-JR1 02A-Base Coat	Plaster Ceiling - Entrance Alcove	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0034A					

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Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-JR1 02B-Skim Coat	Plaster Ceiling - Entrance Alcove	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0035					
17429-HG-JR1 02C-Skim Coat	Plaster Ceiling - Entrance Alcove	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0036					
17429-HG-JR1 02C-Base Coat	Plaster Ceiling - Entrance Alcove	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0036A					
17429-HG-JR1 02D-Skim Coat	Plaster Ceiling - Kitchen (Rm. 8)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0037					
17429-HG-JR1 02D-Base Coat	Plaster Ceiling - Kitchen (Rm. 8)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0037A					
17429-HG-JR1 02E-Skim Coat	Plaster Ceiling - Bedroom (Rm. 1)	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0038					
17429-HG-JR1 02F-Skim Coat	Plaster Ceiling - Entrance	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0039					
17429-HG-JR1 02G-Skim Coat	Plaster Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0040					
17429-HG-JR1 03A	Ceiling Tile - 2'x2' - Janitor's Closet	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
551704815-0041					
17429-HG-JR1 03B	Ceiling Tile - 2'x2' - Janitor's Closet	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
551704815-0042					
17429-HG-JR1 03C	Ceiling Tile - 2'x2' - Janitor's Closet	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
551704815-0043					
17429-HG-JR1 05A-Joint Compound	DJC - Wall - Entrance	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0044A					
17429-HG-JR1 05B-Joint Compound	DJC - Wall - Entrance	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0045A					
17429-HG-JR1 05C-Joint Compound	DJC - Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0046A					
17429-HG-JR1 05D-Joint Compound	DJC - Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0047A					

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Customer ID: 55ECOH45

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Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-JR1 05E-Joint Compound	DJC - Wall - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0048A					
17429-HG-JR1 05F-Joint Compound	DJC - Wall - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0049A					
17429-HG-JR1 05G-Joint Compound	DJC - Wall - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0050A					
17429-HG-JR1 06A-Skim Coat	Plaster Wall - Washroom	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0051					
17429-HG-JR1 06B-Skim Coat	Plaster Wall - Corridor	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0052					
17429-HG-JR1 06C-Skim Coat	Plaster Wall - Housekeeping Closet	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0053					
17429-HG-JR1 06D-Skim Coat	Plaster Wall - Corridor	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0054					
17429-HG-JR1 06E-Skim Coat	Plaster Wall - Corridor	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0055					
17429-HG-JR1 06F-Skim Coat	Plaster Wall - Bedroom (Rm. 19)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0056					
17429-HG-JR1 06G-Skim Coat	Plaster Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0057					
17429-HG-JR2 01A-Joint Compound	DJC - Ceiling - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0058A					
17429-HG-JR2 01B-Joint Compound	DJC - Ceiling - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0059A					
17429-HG-JR2 01C-Joint Compound	DJC - Ceiling - Bedroom (Rm. 1)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0060A					
17429-HG-JR2 01D-Joint Compound	DJC - Ceiling - Bedroom (Rm. 19)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0061A					
17429-HG-JR2 01E-Joint Compound	DJC - Ceiling - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0062A					

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Customer ID: 55ECOH45

Customer PO: 17429-HG

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-JR2 02A-Skim Coat	Plaster Ceiling - Bedroom (Rm. 9)	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0063					
17429-HG-JR2 02A-Base Coat	Plaster Ceiling - Bedroom (Rm. 9)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0063A					
17429-HG-JR2 02B-Skim Coat	Plaster Ceiling - Bedroom (Rm. 19)	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0064					
17429-HG-JR2 02B-Base Coat	Plaster Ceiling - Bedroom (Rm. 19)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0064A					
17429-HG-JR2 02C-Skim Coat	Plaster Ceiling - Bedroom (Rm. 19)	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0065					
17429-HG-JR2 02C-Base Coat	Plaster Ceiling - Bedroom (Rm. 19)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0065A					
17429-HG-JR2 02D-Skim Coat	Plaster Ceiling - Bedroom (Rm. 11)	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0066					
17429-HG-JR2 02E-Skim Coat	Plaster Ceiling - Bedroom (Rm. 11)	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0067					
17429-HG-JR2 02F-Skim Coat	Plaster Ceiling - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0068					
17429-HG-JR2 02G-Skim Coat	Plaster Ceiling - Corridor	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0069					
17429-HG-JR2 02G-Base Coat	Plaster Ceiling - Corridor	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0069A					
17429-HG-JR2 03A	Ceiling Tile - 2'x2' Pinholes and Medium Fissures	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
551704815-0070					
17429-HG-JR2 03B	Ceiling Tile - 2'x2' Pinholes and Medium Fissures	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
551704815-0071					
17429-HG-JR2 03C	Ceiling Tile - 2'x2' Pinholes and Medium Fissures	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
551704815-0072					
17429-HG-JR2 05A-Joint Compound	DJC - Wall - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0073A					

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EMSL Canada Order: 551704815

Customer ID: 55ECOH45

Customer PO: 17429-HG

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-JR2 05B-Joint Compound	DJC - Wall - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0074A					
17429-HG-JR2 05C-Joint Compound	DJC - Wall - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0075A					
17429-HG-JR2 05D-Joint Compound	DJC - Wall - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0076A					
17429-HG-JR2 05E-Joint Compound	DJC - Wall - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
551704815-0077A					
17429-HG-JR2 06A-Skim Coat	Plaster Wall - Bedroom (Rm. 2)	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0078					
17429-HG-JR2 06B-Skim Coat	Plaster Wall - Washroom	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0079					
17429-HG-JR2 06C-Skim Coat	Plaster Wall - Entrance	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0080					
17429-HG-JR2 06D-Skim Coat	Plaster Wall - Bedroom (Rm. 3)	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0081					
17429-HG-JR2 06E-Skim Coat	Plaster Wall - Bedroom (Rm. 2)	White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
551704815-0082					
17429-HG-JR2 06F-Skim Coat	Plaster Wall - Stairwell	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0083					
17429-HG-JR2 06G-Skim Coat	Plaster Wall - Stairwell	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
551704815-0084					

Analyst(s)

Shannon Ferguson (31)

William Bradford (65)

Matthew Davis
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV NVLAP Lab Code 600140-0.

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EMSL Canada Order: 551704694

Customer ID: 55ECOH45

Customer PO: 17429-HG

Project ID:

Attention: Brittanie Semper
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Received Date: 05/01/2017 9:52 AM

Analysis Date: 05/03/2017

Collected Date: 04/06/2017

Project: 17429-HG Hamilton General Mac Wing

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-MC0 01A <i>551704694-0001</i>	DJC - Ceiling - B8 Room	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 01B <i>551704694-0002</i>	DJC - Ceiling - B8 Room	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 01C <i>551704694-0003</i>	DJC - Ceiling - B8 Room	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 01D <i>551704694-0004</i>	DJC - Ceiling - B8 Room	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 01E <i>551704694-0005</i>	DJC - Ceiling - B8 Room	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 01F <i>551704694-0006</i>	DJC - Ceiling - Outside Auditorium	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 01G <i>551704694-0007</i>	DJC - Ceiling - Outside Auditorium	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 02A <i>551704694-0008</i> <i>Inseparable material.</i>	Plaster Ceiling - Corridor	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 02B <i>551704694-0009</i> <i>Inseparable material.</i>	Plaster Ceiling - Storage Room	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 02C <i>551704694-0010</i> <i>Inseparable material.</i>	Plaster Ceiling - B8 Room	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 02D <i>551704694-0011</i> <i>Inseparable material.</i>	Plaster Ceiling - B8 Room	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 02E <i>551704694-0012</i> <i>Inseparable material.</i>	Plaster Ceiling - Room B1	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 02F <i>551704694-0013</i> <i>Inseparable material.</i>	Plaster Ceiling - Auditorium	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 02G <i>551704694-0014</i> <i>Inseparable material.</i>	Plaster Ceiling - Under Stairs	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-MC0 03A <i>551704694-0015</i>	Ceiling Tile - 2'x4' Pinhole and Flecks	Tan/White Fibrous Homogeneous	50% Cellulose 20% Min. Wool	30% Non-fibrous (Other)	None Detected
17429-HG-MC0 03B <i>551704694-0016</i>	Ceiling Tile - 2'x4' Pinhole and Flecks	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC0 03C <i>551704694-0017</i>	Ceiling Tile - 2'x4' Pinhole and Flecks	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC0 04A <i>551704694-0018</i>	Ceiling Tile - 1'x1' Small and Medium Pinholes	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC0 04B <i>551704694-0019</i>	Ceiling Tile - 1'x1' Small and Medium Pinholes	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC0 04C <i>551704694-0020</i>	Ceiling Tile - 1'x1' Small and Medium Pinholes	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC0 05A <i>551704694-0021</i>	DJC - Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 05B <i>551704694-0022</i>	DJC - Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 05C <i>551704694-0023</i>	DJC - Wall - Mechanical Room	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 05D <i>551704694-0024</i>	DJC - Wall - Women's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 05E <i>551704694-0025</i>	DJC - Wall - Corridor	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
17429-HG-MC0 06A <i>551704694-0026</i> <i>Inseparable material.</i>	Plaster Wall - Storage Room	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 06B <i>551704694-0027</i> <i>Inseparable material.</i>	Plaster Wall - Corridor	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 06C <i>551704694-0028</i> <i>Inseparable material.</i>	Plaster Wall - Women's Washroom	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 06D <i>551704694-0029</i> <i>Inseparable material.</i>	Plaster Wall - Men's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 06E <i>551704694-0030</i> <i>Inseparable material.</i>	Plaster Wall - Office	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 06F <i>551704694-0031</i> <i>Inseparable material.</i>	Plaster Wall - Storage Closet	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-MC0 06G <small>551704694-0032</small> <i>Inseparable material.</i>	Plaster Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 08A <small>551704694-0033</small>	Textured Plaster Wall - Storage Rooms	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 08B <small>551704694-0034</small>	Textured Plaster Wall - Corridor	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 08C <small>551704694-0035</small>	Textured Plaster Wall - Corridor	Brown/Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
17429-HG-MC0 08D <small>551704694-0036</small>	Textured Plaster Wall - Corridor	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 08E <small>551704694-0037</small>	Textured Plaster Wall - Corridor	Brown/Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
17429-HG-MC0 08F <small>551704694-0038</small>	Textured Plaster Wall - Corridor	Brown/Gray Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
17429-HG-MC0 08G <small>551704694-0039</small>	Textured Plaster Wall - Corridor	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC0 09A <small>551704694-0040</small>	Ceiling Tile - 2'x4' Pinholes with Small Fissures	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC0 09B <small>551704694-0041</small>	Ceiling Tile - 2'x4' Pinholes with Small Fissures	Tan/White Fibrous Homogeneous	50% Cellulose 20% Min. Wool	30% Non-fibrous (Other)	None Detected
17429-HG-MC0 09C <small>551704694-0042</small>	Ceiling Tile - 2'x4' Pinholes with Small Fissures	Tan Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC1 03A <small>551704694-0043</small>	Ceiling Tile - 2'x4' Fleck and Pinhole	Tan/White Fibrous Homogeneous	50% Cellulose 20% Min. Wool	30% Non-fibrous (Other)	None Detected
17429-HG-MC1 03B <small>551704694-0044</small>	Ceiling Tile - 2'x4' Fleck and Pinhole	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC1 03C <small>551704694-0045</small>	Ceiling Tile - 2'x4' Fleck and Pinhole	Tan/White Fibrous Homogeneous	50% Cellulose 20% Min. Wool	30% Non-fibrous (Other)	None Detected
17429-HG-MC1 05A <small>551704694-0046</small>	DJC - Wall - Kitchen	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC1 05B <small>551704694-0047</small>	DJC - Wall - Kitchen	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC1 05C <small>551704694-0048</small>	DJC - Wall - Auditorium	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC1 05D <small>551704694-0049</small>	DJC - Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-MC1 05E <small>551704694-0050</small>	DJC - Wall - Women's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC1 05F <small>551704694-0051</small>	DJC - Wall - Women's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC1 05G <small>551704694-0052</small>	DJC - Wall - Men's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC2 01A <small>551704694-0053</small>	DJC - Ceiling - Women's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC2 01B <small>551704694-0054</small>	DJC - Ceiling - Women's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC2 01C <small>551704694-0055</small>	DJC - Ceiling - Women's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC2 03A <small>551704694-0056</small>	Ceiling Tile - 2'x4' Pinholes and Flecks	Tan/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC2 03B <small>551704694-0057</small>	Ceiling Tile - 2'x4' Pinholes and Flecks	Tan/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC2 03C <small>551704694-0058</small>	Ceiling Tile - 2'x4' Pinholes and Flecks	Tan/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC2 04A <small>551704694-0059</small>	Ceiling Tile - 1'x1' Glue-on Medium and Small Fissures	Tan Fibrous Homogeneous	90% Min. Wool	5% Non-fibrous (Other)	5% Amosite
17429-HG-MC2 04B <small>551704694-0060</small>	Ceiling Tile - 1'x1' Glue-on Medium and Small Fissures	Tan Fibrous Homogeneous	90% Min. Wool	5% Non-fibrous (Other)	5% Amosite
17429-HG-MC2 04C <small>551704694-0061</small>	Ceiling Tile - 1'x1' Glue-on Medium and Small Fissures	Tan Fibrous Homogeneous	90% Min. Wool	4% Non-fibrous (Other)	6% Amosite
17429-HG-MC2 05A <small>551704694-0062</small>	DJC - Wall - Women's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC2 05B <small>551704694-0063</small>	DJC - Wall - Office (Rm. 248)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC2 05C <small>551704694-0064</small>	DJC - Wall - Office (Rm. 251)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC2 05D <small>551704694-0065</small>	DJC - Wall - Conference Room (Rm. 249)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC2 05E <small>551704694-0066</small>	DJC - Wall - Women's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC3 01A <small>551704694-0067</small>	DJC - Ceiling - Men's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC3 01B <small>551704694-0068</small>	DJC - Ceiling - Men's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-MC3 01C 551704694-0069	DJC - Ceiling - Data Comm. Room	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC3 01D 551704694-0070	DJC - Ceiling - Data Comm. Room	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC3 01E 551704694-0071	DJC - Ceiling - Men's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC3 01F 551704694-0072	DJC - Ceiling - Janitor's Closet	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC3 01G 551704694-0073	DJC - Ceiling - Men's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC3 03A 551704694-0074	Ceiling Tile - 2'x4' Flecks and Pinholes	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC3 03B 551704694-0075	Ceiling Tile - 2'x4' Flecks and Pinholes	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC3 03C 551704694-0076	Ceiling Tile - 2'x4' Flecks and Pinholes	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC3 05A 551704694-0077	DJC - Wall - Men's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC3 05B 551704694-0078	DJC - Wall - Men's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC3 05C 551704694-0079	DJC - Wall - Men's Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC3 05D 551704694-0080	DJC - Wall - Office	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC3 05E 551704694-0081	DJC - Wall - Rm. 358	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC3 05F 551704694-0082	DJC - Wall - Office	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC3 05G 551704694-0083	DJC - Wall - Rm. 362	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC4 03A 551704694-0084	Ceiling Tile - 2'x4' Pinholes and Flecks	Tan/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC4 03B 551704694-0085	Ceiling Tile - 2'x4' Pinholes and Flecks	Tan/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC4 03C 551704694-0086	Ceiling Tile - 2'x4' Pinholes and Flecks	Tan/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC4 05A 551704694-0087	DJC - Wall - Rm. 412	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
17429-HG-MC4 05B <i>551704694-0088</i>	DJC - Wall - Outside Rm. 434	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
17429-HG-MC4 05C <i>551704694-0089</i>	DJC - Wall - Washroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC4 05D <i>551704694-0090</i>	DJC - Wall - Corridor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC4 05E <i>551704694-0091</i>	DJC - Wall - Corridor	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
17429-HG-MC4 05F <i>551704694-0092</i>	DJC - Wall - Rm. 427	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
17429-HG-MC4 05G <i>551704694-0093</i>	DJC - Wall - Corridor	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC5 03A <i>551704694-0094</i>	Ceiling Tile - 2'x4' Pinhole w/ Flecks	Tan/White Fibrous Homogeneous	60% Cellulose 10% Min. Wool	30% Non-fibrous (Other)	None Detected
17429-HG-MC5 03B <i>551704694-0095</i>	Ceiling Tile - 2'x4' Pinhole w/ Flecks	Tan/White Fibrous Homogeneous	60% Cellulose 10% Min. Wool	30% Non-fibrous (Other)	None Detected
17429-HG-MC5 03C <i>551704694-0096</i>	Ceiling Tile - 2'x4' Pinhole w/ Flecks	Tan/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC6 03A <i>551704694-0097</i>	Ceiling Tile - 2'x4' Pinhole w/ Flecks	Tan/White Fibrous Homogeneous	60% Cellulose 10% Min. Wool	30% Non-fibrous (Other)	None Detected
17429-HG-MC6 03B <i>551704694-0098</i>	Ceiling Tile - 2'x4' Pinhole w/ Flecks	Tan/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC6 03C <i>551704694-0099</i>	Ceiling Tile - 2'x4' Pinhole w/ Flecks	Tan Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC7 03A <i>551704694-0100</i>	Ceiling Tile - 2'x4' Pinhole w/ Small Flecks	Tan/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC7 03B <i>551704694-0101</i>	Ceiling Tile - 2'x4' Pinhole w/ Small Flecks	Tan/White Non-Fibrous Homogeneous	50% Cellulose 20% Min. Wool	30% Non-fibrous (Other)	None Detected
17429-HG-MC7 03C <i>551704694-0102</i>	Ceiling Tile - 2'x4' Pinhole w/ Small Flecks	Tan Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (Other)	None Detected
17429-HG-MC 02A <i>551704694-0103</i> <i>Inseparable material.</i>	Plaster Ceiling - East Stairwell 6th floor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC 02B <i>551704694-0104</i> <i>Inseparable material.</i>	Plaster Ceiling - East Stairwell 5th Floor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC 02C <i>551704694-0105</i> <i>Inseparable material.</i>	Plaster Ceiling - East Stairwell 4th Floor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Canada Order: 551704694

Customer ID: 55ECOH45

Customer PO: 17429-HG

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-MC 02D <i>551704694-0106</i> <i>Inseparable material.</i>	Plaster Ceiling - East Stairwell 3rd Floor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC 02E <i>551704694-0107</i> <i>Inseparable material.</i>	Plaster Ceiling - East Stairwell 2nd Floor	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC 02F <i>551704694-0108</i> <i>Inseparable material.</i>	Plaster Ceiling - East Stairwell 2nd Floor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC 02G <i>551704694-0109</i> <i>Inseparable material.</i>	Plaster Ceiling - East Stairwell 1st Floor	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC 02A <i>551704694-0110</i> <i>Inseparable material.</i>	Plaster Ceiling - West Stairwell 6th Floor	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC 02B <i>551704694-0111</i> <i>Inseparable material.</i>	Plaster Ceiling - West Stairwell 5th Floor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC 02C <i>551704694-0112</i> <i>Inseparable material.</i>	Plaster Ceiling - West Stairwell 4th Floor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC 02D <i>551704694-0113</i> <i>Inseparable material.</i>	Plaster Ceiling - West Stairwell 4th-3rd Floor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC 02E <i>551704694-0114</i> <i>Inseparable material.</i>	Plaster Ceiling - West Stairwell 3rd Floor	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC 02F <i>551704694-0115</i> <i>Inseparable material.</i>	Plaster Ceiling - West Stairwell 2nd floor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-MC 02G <i>551704694-0116</i> <i>Inseparable material.</i>	Plaster Ceiling - West Stairwell 1st Floor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



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EMSL Canada Order: 551704694

Customer ID: 55ECOH45

Customer PO: 17429-HG

Project ID:

Analyst(s)

William Bradford (116)

Matthew Davis
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV NVLAP Lab Code 600140-0.

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EMSL Canada Order: 551704838

Customer ID: 55ECOH45

Customer PO: 17429 - HG

Project ID:

Attention: Brittanie Semper
ECOH Management, Inc.
75 Courtneypark Drive West
Unit 1
Mississauga, ON L5W 0E3

Phone: (905) 795-2800

Fax: (905) 795-2870

Received Date: 05/01/2017 5:00 PM

Analysis Date: 05/05/2017

Collected Date: 04/06/2017

Project: 17429-HG Hamilton General Parking Garage

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-PGLab 01A <small>551704838-0001</small>	DJC - CEILING - LAB ENTRANCE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 01B <small>551704838-0002</small>	DJC - CEILING - LAB AREA	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 01C <small>551704838-0003</small>	DJC- CEILING - BACK LAB (NEAR SOUTHEAST EXIT)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 01D <small>551704838-0004</small>	DJC- CEILING - NITROGEN AREA	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 01E <small>551704838-0005</small>	DJC- CEILING - NITROGEN AREA	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 01F <small>551704838-0006</small>	DJC- CEILING - NITROGEN AREA	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 01G <small>551704838-0007</small>	DJC- CEILING - NITROGEN AREA	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 03A <small>551704838-0008</small>	CEILING TILE - 2'X4' FLECKS WITH PINHOLES	Tan/White Fibrous Homogeneous	60% Cellulose 35% Min. Wool	5% Non-fibrous (Other)	None Detected
17429-HG-PGLab 03B <small>551704838-0009</small>	CEILING TILE - 2'X4' FLECKS WITH PINHOLES	Tan/White Fibrous Homogeneous	60% Cellulose 35% Min. Wool	5% Non-fibrous (Other)	None Detected
17429-HG-PGLab 03C <small>551704838-0010</small>	CEILING TILE - 2'X4' FLECKS WITH PINHOLES	Gray/White Fibrous Homogeneous	70% Cellulose 20% Glass	10% Non-fibrous (Other)	None Detected
17429-HG-PGLab 05A <small>551704838-0011</small>	DJC- WALL - CORRIDOR	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 05B <small>551704838-0012</small>	DJC - WALL - WASHROOM	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 05C <small>551704838-0013</small>	DJC- WALL- JANIOR'S CLOSET	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 05D <small>551704838-0014</small>	DJC- WALL - BACK LAB	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 05E <small>551704838-0015</small>	DJC- WALL BACK LAB BY EMERGENCY EXIT	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 05F <small>551704838-0016</small>	DJC- WALL - NITROGEN AREA	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Canada Order: 551704838

Customer ID: 55ECOH45

Customer PO: 17429 - HG

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-PGLab 05G <small>551704838-0017</small>	DJC- WALL - NITROGEN AREA	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 06A <small>551704838-0018</small>	PLASTER WALL - CORRIDOR	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 06B-Skim Coat <small>551704838-0019</small>	PLASTER WALL - CORRIDOR	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 06B-Rough Coat <small>551704838-0019A</small>	PLASTER WALL - CORRIDOR	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 06C-Skim Coat <small>551704838-0020</small>	PLASTER WALL - WASHROOM	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 06C-Rough Coat <small>551704838-0020A</small>	PLASTER WALL - WASHROOM	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 06D-Skim Coat <small>551704838-0021</small>	PLASTER WALL - WASHROOM 2	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 06D-Rough Coat <small>551704838-0021A</small>	PLASTER WALL - WASHROOM 2	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 06E <small>551704838-0022</small>	PLASTER WALL - CORRIDOR	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 06F-Skim Coat <small>551704838-0023</small>	PLASTER WALL - WASHROOM	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 06F-Rough Coat <small>551704838-0023A</small>	PLASTER WALL - WASHROOM	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGLab 06G <small>551704838-0024</small>	PLASTER WALL - WASHROOM	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGO 01A <small>551704838-0025</small>	DJC - CEILING - BACK OFFICE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGO 01B <small>551704838-0026</small>	DJC - CEILING - FRONT OFFICE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGO 01C <small>551704838-0027</small>	DJC- CEILING - BATHROOM	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17429-HG-PGO 03A <small>551704838-0028</small>	CEILING TILE - 2'X4' SMALL FLECKS AND SMALL PINHOLES	Tan/White Fibrous Homogeneous	60% Cellulose 35% Min. Wool	5% Non-fibrous (Other)	None Detected

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EMSL Canada Order: 551704838

Customer ID: 55ECOH45

Customer PO: 17429 - HG

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17429-HG-PGO 03B <small>551704838-0029</small>	CEILING TILE - 2'X4' SMALL FLECKS AND SMALL PINHOLES	Tan Non-Fibrous Homogeneous	60% Cellulose 35% Min. Wool	5% Non-fibrous (Other)	None Detected
17429-HG-PGO 003C <small>551704838-0030</small>	CEILING TILE - 2'X4' SMALL FLECKS AND SMALL PINHOLES	Gray/White Fibrous Homogeneous	60% Cellulose 30% Glass	10% Non-fibrous (Other)	None Detected

Analyst(s)

Michelle Skillman (21)

Shauna Strnad (13)

Matthew Davis
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NVLAP Lab Code 200056-0

Initial report from: 05/08/2017 17:04:56

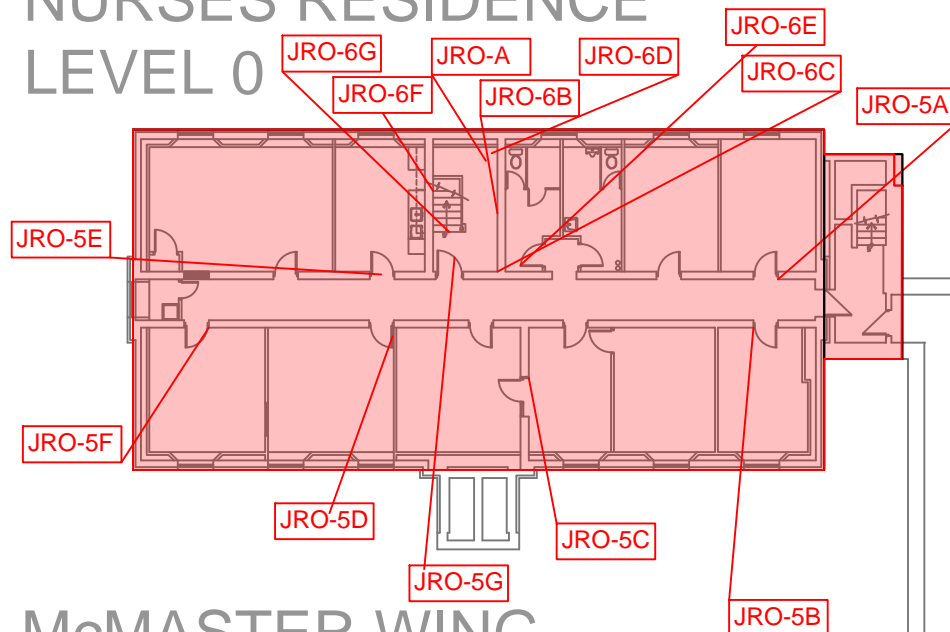
ATTACHMENT 2

DRAWINGS – ASBESTOS BULK SAMPLE LOCATIONS

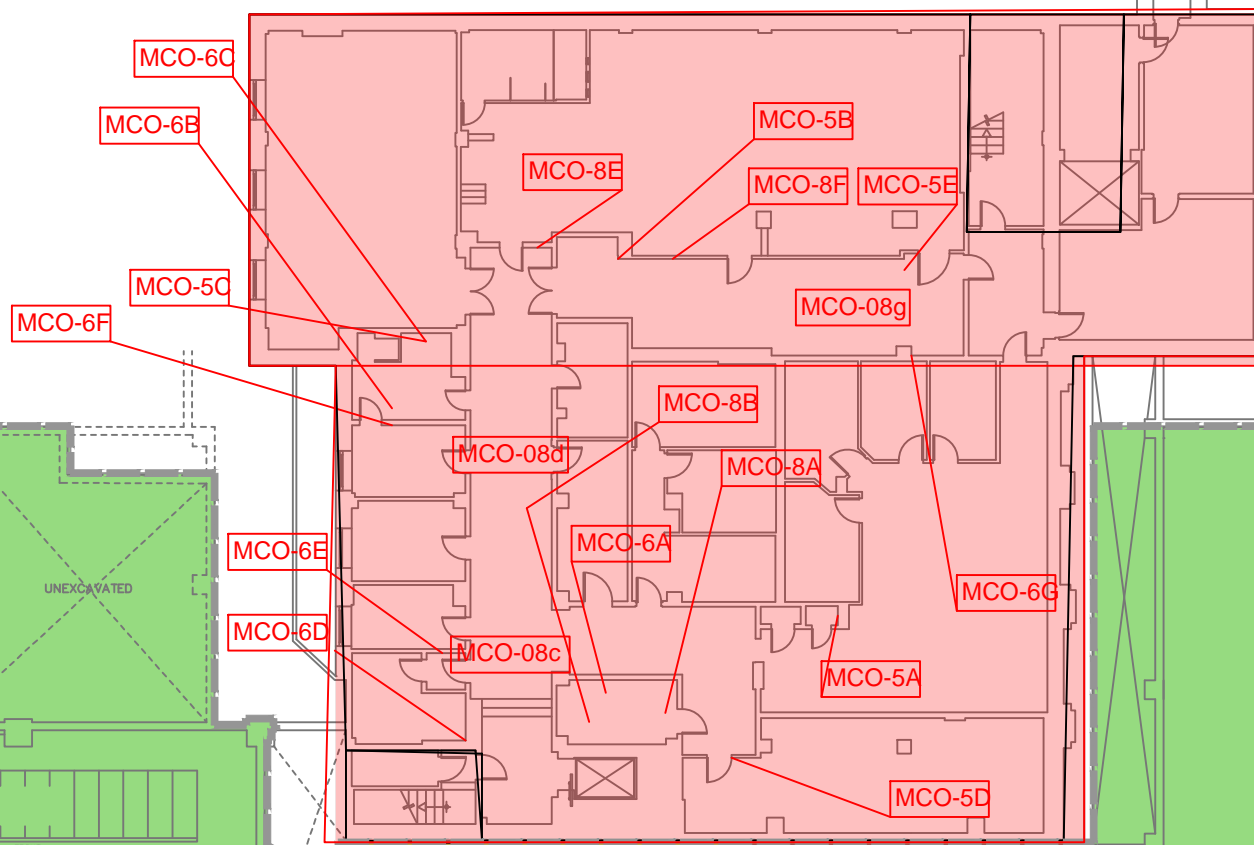
GENERAL NOTES:

1. DRAWINGS HAVE BEEN CONVERTED FROM A CONTRACTED SOURCE JANUARY 2013 AND WILL BE MAINTAINED BY HHS ENGINEERING STAFF.
2. DRAWINGS SHALL BE READ IN CONJUNCTION WITH HHS ASBESTOS MANAGEMENT PLAN AND SURVEYS AVAILABLE ON THE HHS INTRANET, AND HARDCOPY IN THE SITES ENGINEERING DEPT. ALL DRAWINGS TO BE VIEWED IN COLOR ONLY.
3. AREAS WITHOUT A DESIGNATION OF ACM (ASBESTOS CONTAINING MATERIAL) SHALL BE TREATED AS ACM UNTIL PROVEN OTHERWISE.
4. PRIOR TO UNDERTAKING ANY REPAIR RENOVATION OR DEMOLITION, REVIEW THE AMP (ASBESTOS MANAGEMENT PLAN) AND SURVEY PRIOR TO COMMENCEMENT OF WORK.
5. IF YOU SUSPECT A MATERIAL TO BE ACM IN AN AREA SHOWN TO BE FREE OF ACM, CONTACT THE ASBESTOS COORDINATOR FOR CONSULTATION.
6. AREAS DENOTED AS "SUSPECT MATERIALS" SHOULD BE PRESUMED TO CONTAIN ASBESTOS IN THE ABSENCE OF ADDITIONAL SAMPLING THAT PROVES OTHERWISE.

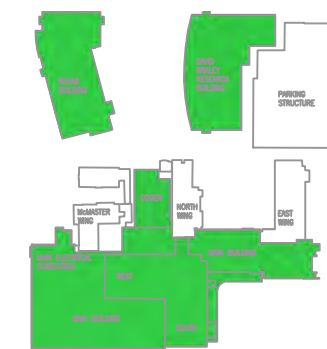
NURSES RESIDENCE LEVEL 0



McMASTER WING LEVEL 0



MAIN BUILDING - LEVEL 0



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

LEGEND - WALLS

- ACM TEXTURED PLASTER, PLASTER AND/OR DRYWALL JOINT COMPOUND ON WALLS
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREAS AS PER HHS RECORDS

GENERAL SITE



PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWINGS: McMASTER AND INTERN'S RES LEVEL 0 ACM ON WALLS

SCALE: N.T.S.	DEPARTMENT: ENGINEERING
DRAWN BY: MARCO MENDOZA	SUPERVISOR: DUSTIN COPELAND
DATE: 6/15/2017	FILE NAME: RA-00 McMaster Level 0

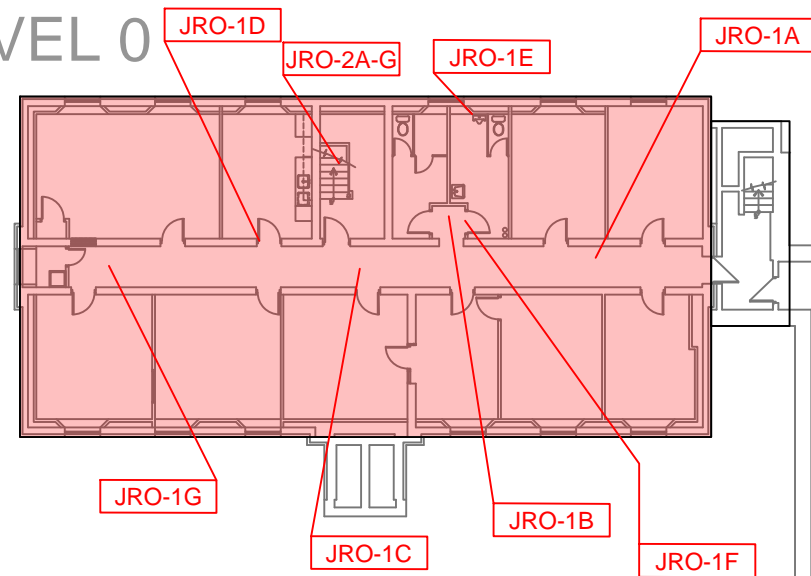
RA-00B

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)

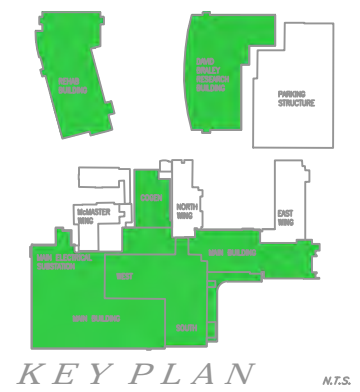
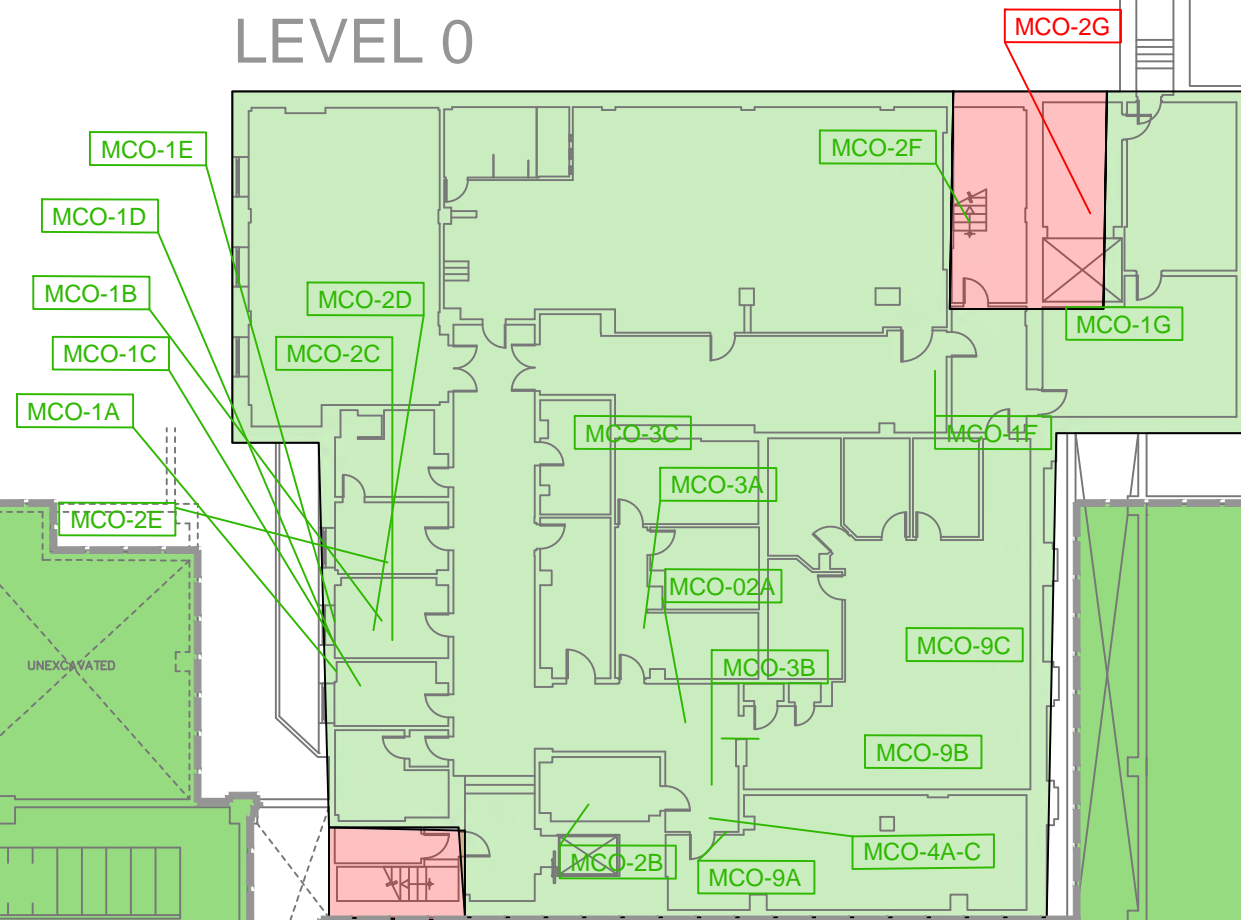
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INTERN'S RESIDENCE LEVEL 0



McMASTER WING LEVEL 0



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2	2013	CONVERSION FROM PINCH DRAWINGS	GS
2	2/1	2013	COMPLETE DRAWING UPDATED	GS
3	3/1	2013	UPDATED	GS
4	4/1	2013	UPDATED	GS
5	5/1	2013	UPDATED - SHEET MODIFIED	GS
6	6/1	2013	UPDATED	GS
7	7/1	2013	UPDATED	GS
8	6/17	2015	UPDATED	RM
9	3/31	2016	UPDATED by ECOH	MM
10	6/15	2017	UPDATED by ECOH	JK

LEGEND - CEILING

- ACM PLASTER CEILINGS
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREAS AS PER HHS RECORDS

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL -
237 BARTON ST. EAST, ASBESTOS
MANAGEMENT PLAN AND SURVEY

DRAWING:
McMASTER AND INTERN'S RES
LEVEL 0
ACM ON CEILINGS

PLOT DATE:	DEPARTMENT: ENGINEERING
SCALE: N.T.S.	SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARCO MENDOZA	FILE NAME: RA-00 McMaster Level 0
DRAWING NO.	

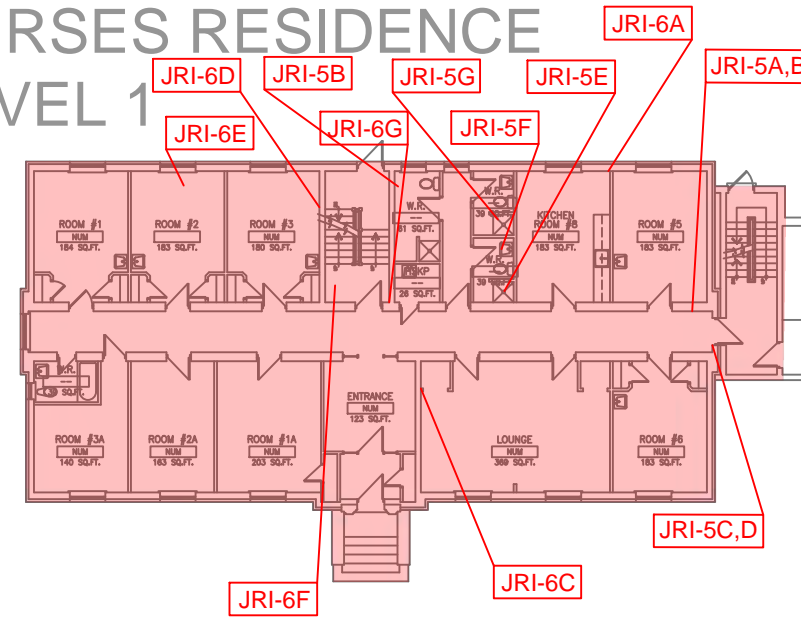
RA-00C

MAIN BUILDING - LEVEL 0

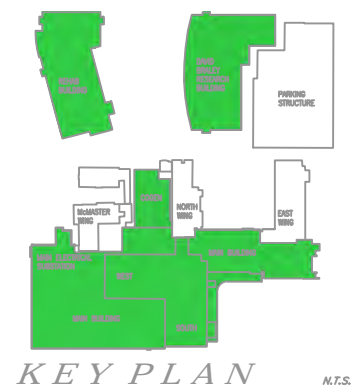
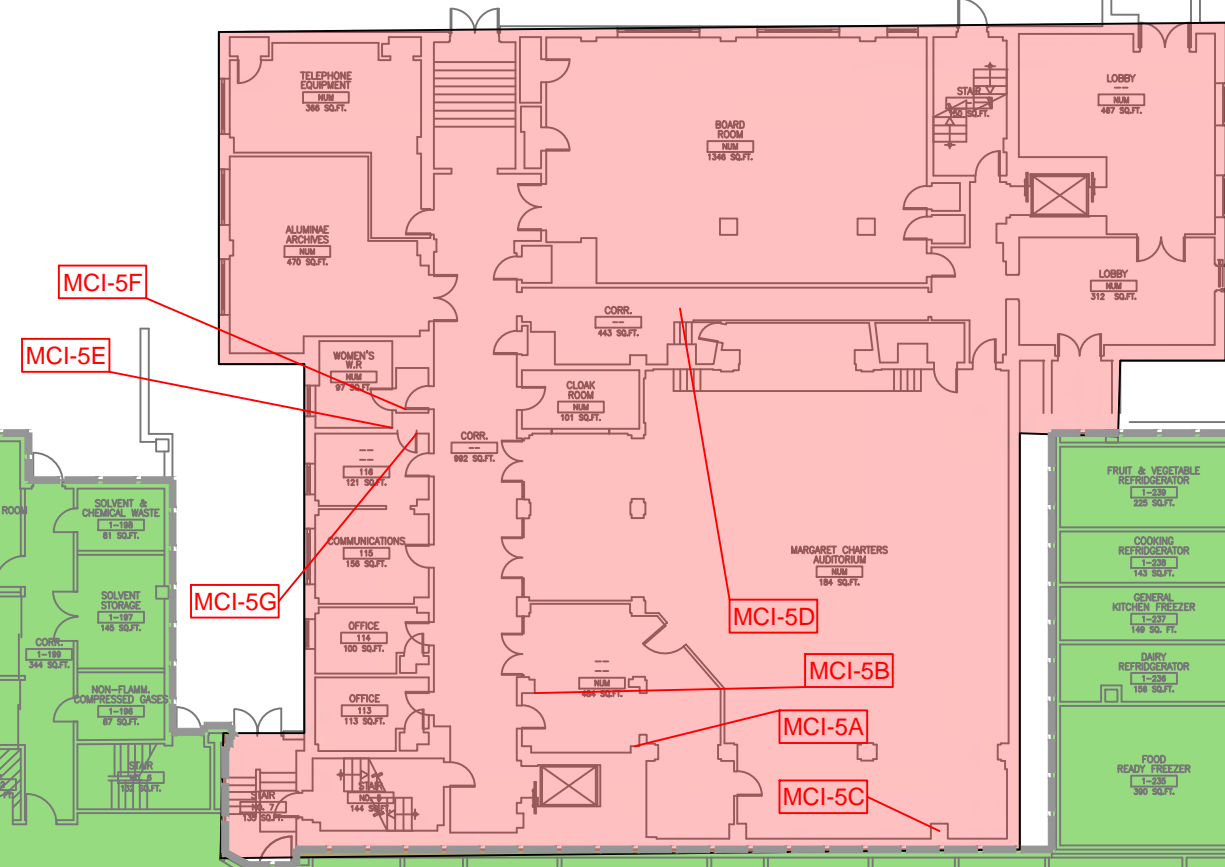
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5. IF YOU SUSPECT A MATERIAL TO BE ACM IN AN AREA SHOWN TO BE FREE OF ACM, CONTACT THE ASBESTOS COORDINATOR FOR CONSULTATION.
6. AREAS DENOTED AS "SUSPECT MATERIALS" SHOULD BE PRESUMED TO CONTAIN ASBESTOS IN THE ABSENCE OF ADDITIONAL SAMPLING THAT PROVES OTHERWISE.

NURSES RESIDENCE LEVEL 1



McMASTER WING LEVEL 1



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

LEGEND - WALLS

- ACM PLASTER AND/OR DRYWALL JOINT COMPOUND ON WALLS
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREAS AS PER HHS RECORDS

GENERAL SITE



PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: EAST WING AND NORTH WING LEVEL 1 ACM ON WALLS

PLOT DATE: DEPARTMENT: ENGINEERING
 SCALE: N.T.S. SUPERVISOR: DUSTIN COPELAND
 DRAWN BY: MARCO MENDOZA FILE NAME: RA-01 McMaster Level 1
 DRAWING NO.

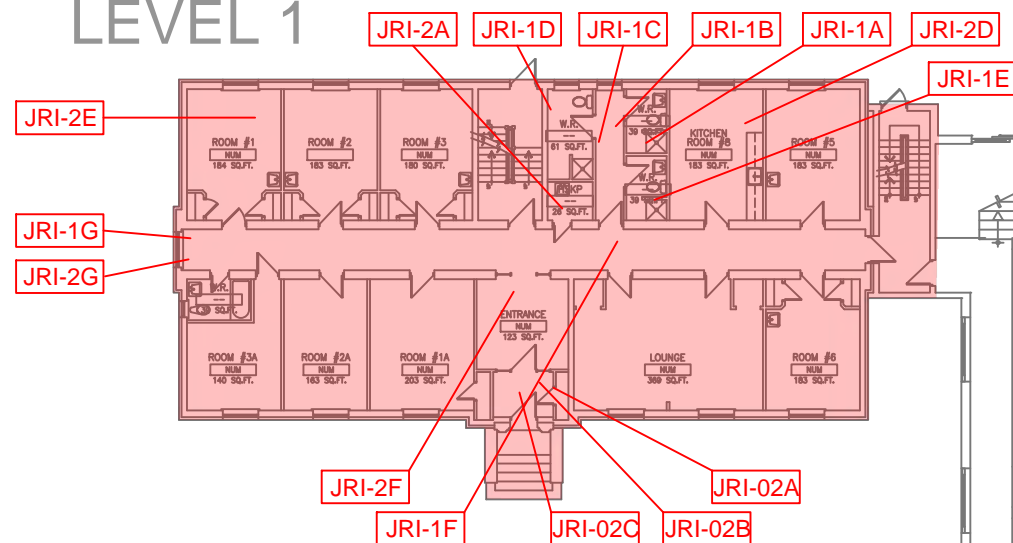
RA-01B

MAIN BUILDING - LEVEL 1

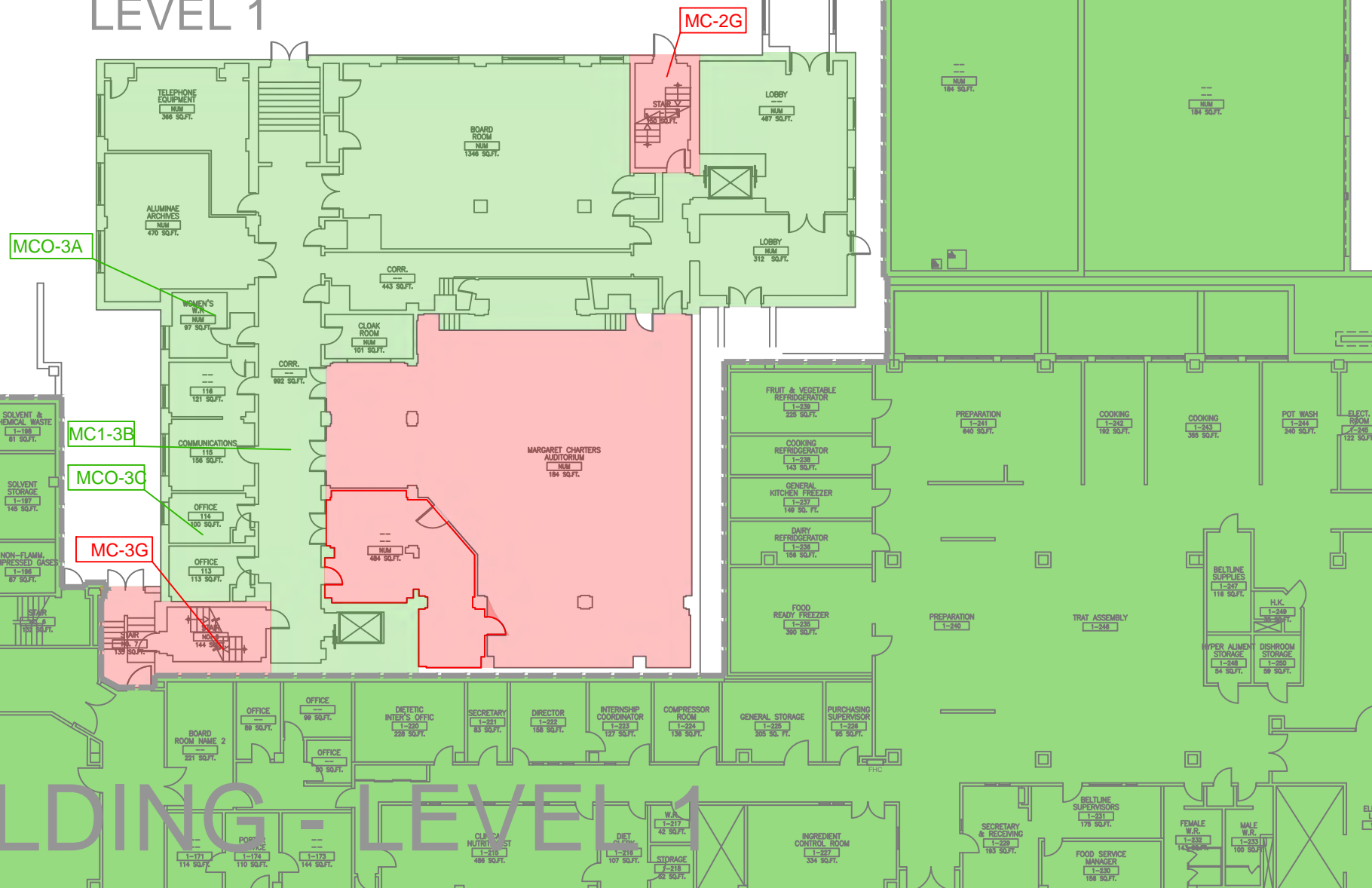
GENERAL NOTES:

- DRAWINGS HAVE BEEN CONVERTED FROM A CONTRACTED SOURCE JANUARY 2013 AND WILL BE MAINTAINED BY HHS ENGINEERING STAFF.
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INTERN'S RESIDENCE LEVEL 1



McMASTER WING LEVEL 1



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

- LEGEND - CEILING
- ACM PLASTER CEILINGS AND/OR CEILING TILES
 - SUSPECT ACM
 - NO ACM PRESENT
 - ACM ABATED AREAS AS PER HHS RECORDS
 - ACM CEILING TILES

GENERAL SITE



PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: EAST WING AND NORTH WING LEVEL 1 ACM ON CEILINGS

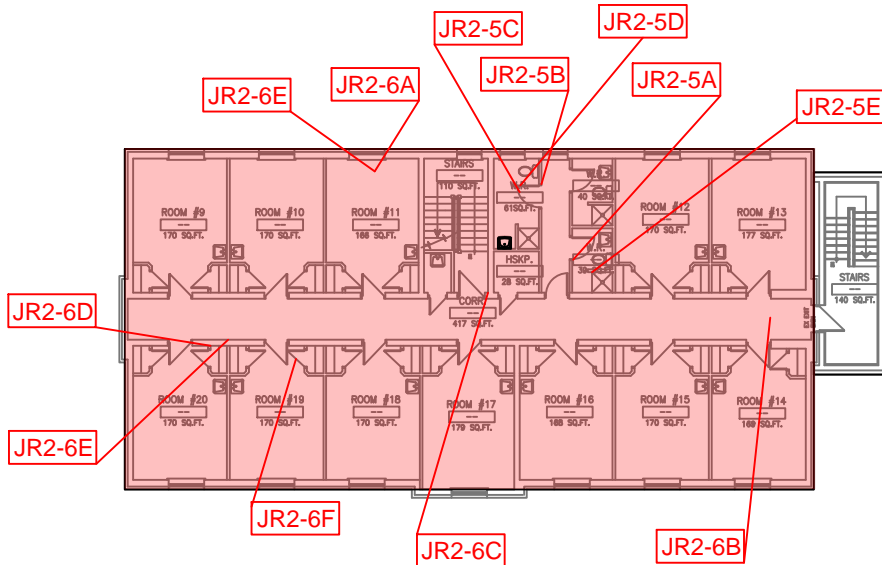
SCALE: N.T.S.
DRAWN BY: MARCO MENDOZA
DEPARTMENT: ENGINEERING
SUPERVISOR: DUSTIN COPELAND
FILE NAME: RA-01 McMaster Level 1

RA-01C

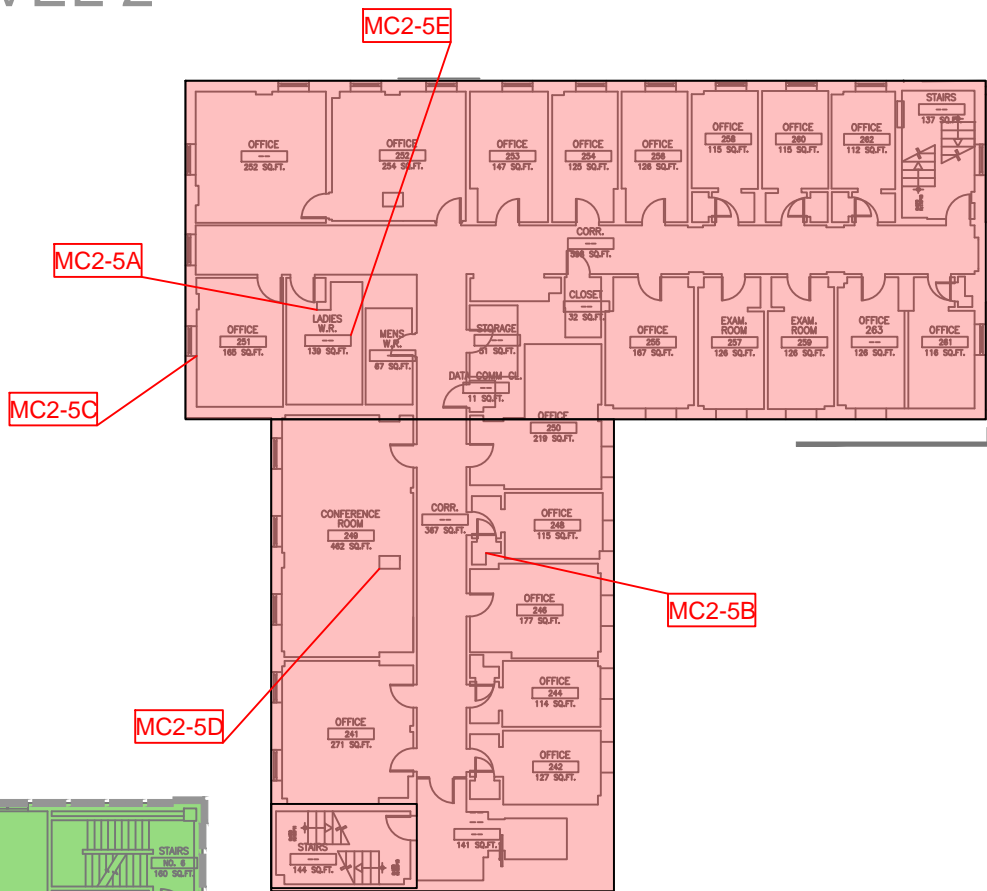
GENERAL NOTES:

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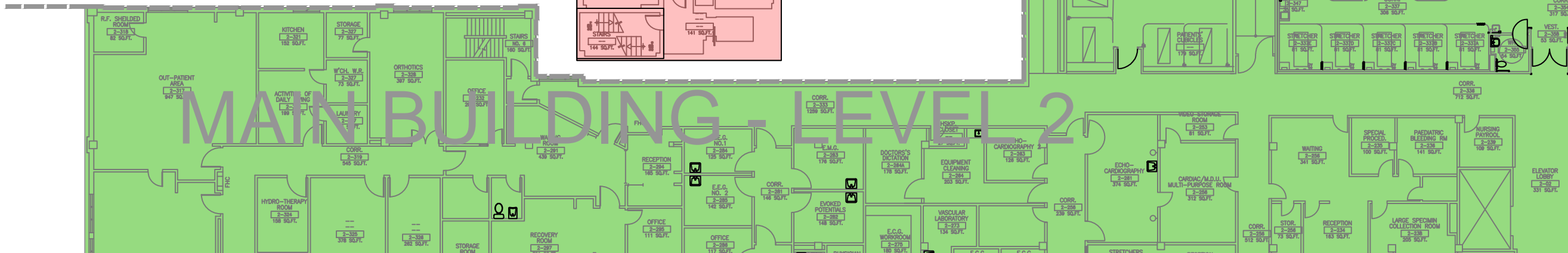
INTERNS' RESIDENCE LEVEL 2



McMASTER WING LEVEL 2



MAIN BUILDING - LEVEL 2



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK

LEGEND - WALLS

- ACM PLASTER AND/OR DRYWALL JOINT COMPOUND ON WALLS
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREAS AS PER HHS RECORDS

GENERAL SITE

PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: EAST WING AND NORTH WING LEVEL 2 ACM ON WALLS

SCALE: N.T.S.

DRAWN BY: MARCO MENDOZA

DEPARTMENT: ENGINEERING

SUPERVISOR: DUSTIN COPELAND

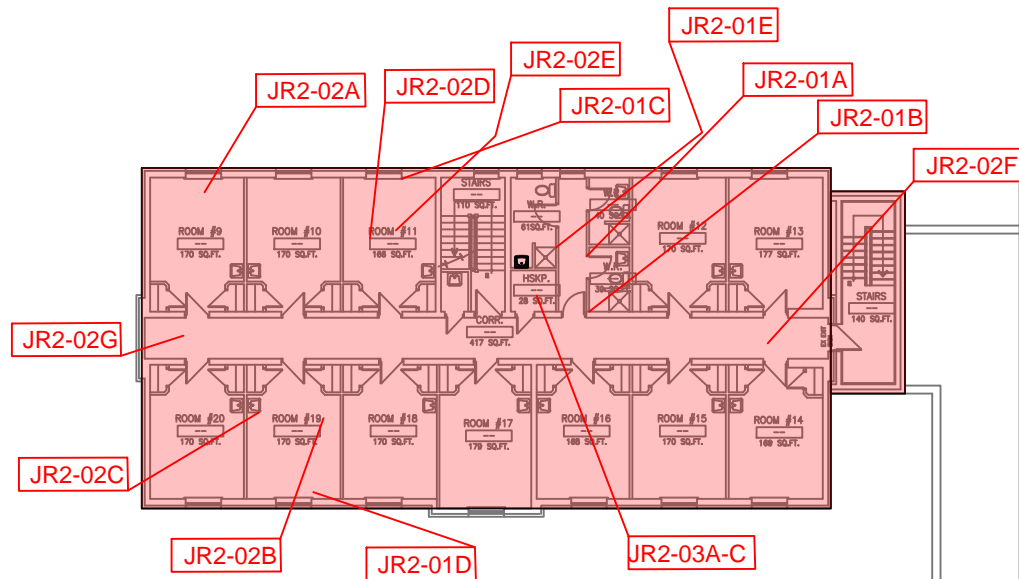
FILE NAME: RA-02 McMaster Level 2

RA-02B

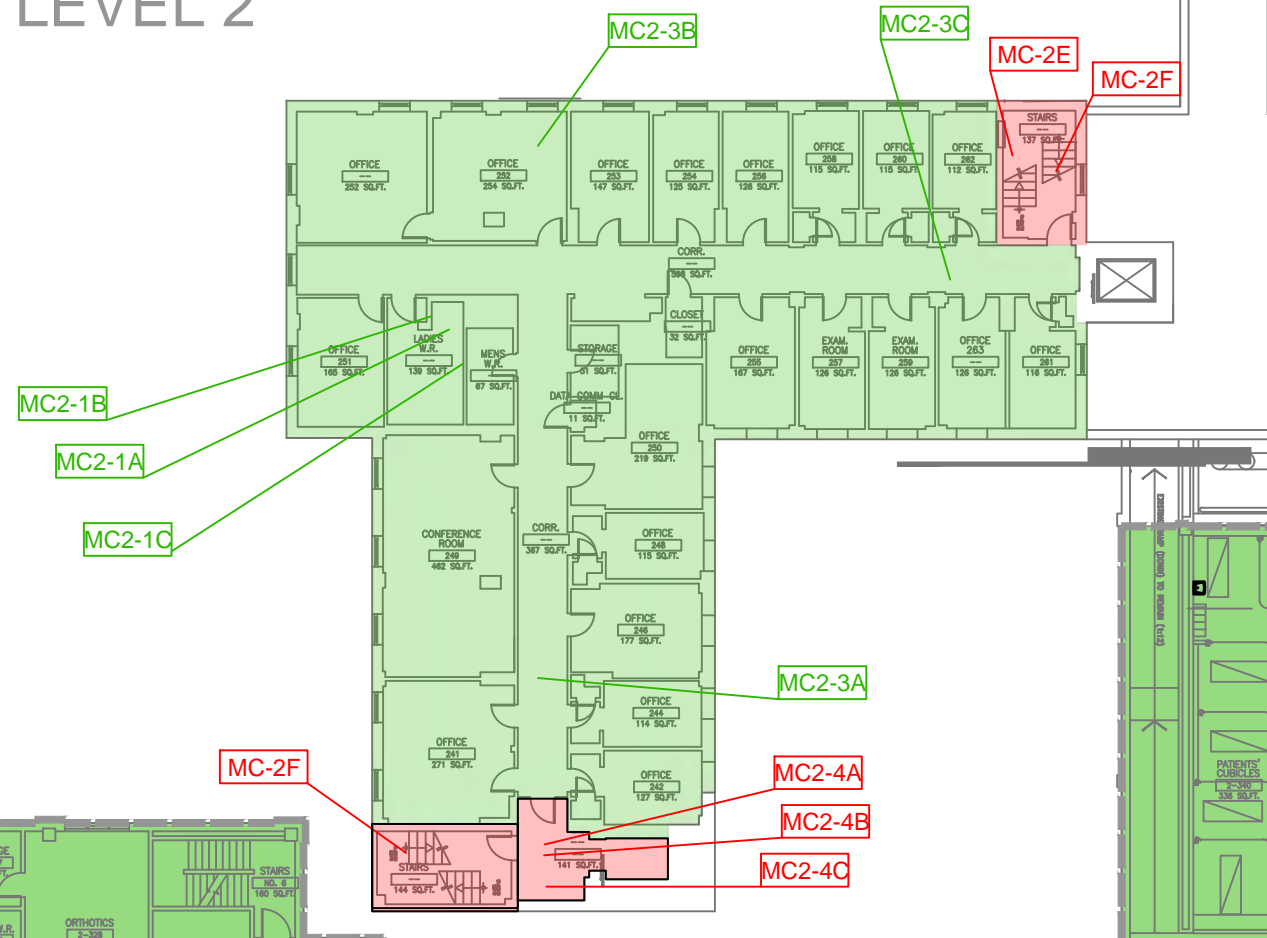
GENERAL NOTES:

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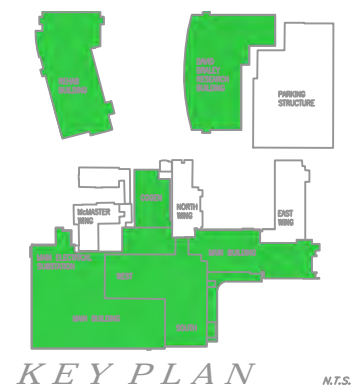
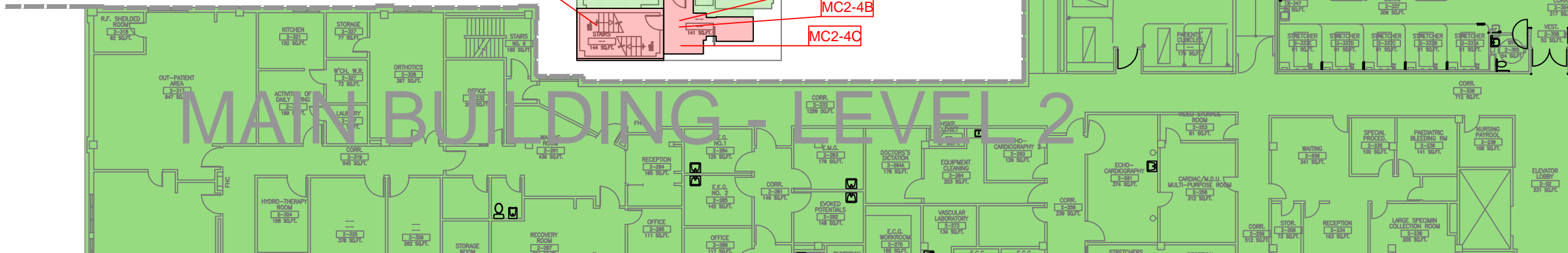
INTERNS' RESIDENCE LEVEL 2



McMASTER WING LEVEL 2



MAIN BUILDING - LEVEL 2



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK

LEGEND - CEILING

- ACM PLASTER AND/OR CEILING TILES ON CEILING
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREAS AS PER HHS RECORDS
- ACM CEILING TILES

GENERAL SITE

PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: EAST WING AND NORTH WING LEVEL 2 ACM ON CEILINGS

SCALE: N.T.S.

DRAWN BY: MARCO MENDOZA

DEPARTMENT: ENGINEERING

SUPERVISOR: DUSTIN COPELAND

FILE NAME: RA-02c-McMASTER Level 2

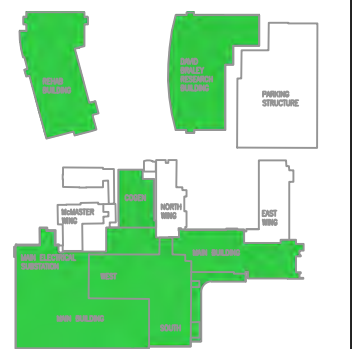
RA-02C

- GENERAL NOTES:
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 2. DRAWINGS SHALL BE READ IN CONJUNCTION WITH HHS ASBESTOS MANAGEMENT PLAN AND SURVEYS AVAILABLE ON THE HHS INTRANET, AND HARDCOPY IN THE SITES ENGINEERING DEPT. ALL DRAWINGS TO BE VIEWED IN COLOR ONLY.
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INTERNS' RESIDENCE LEVEL 3

McMASTER WING LEVEL 3

NORT

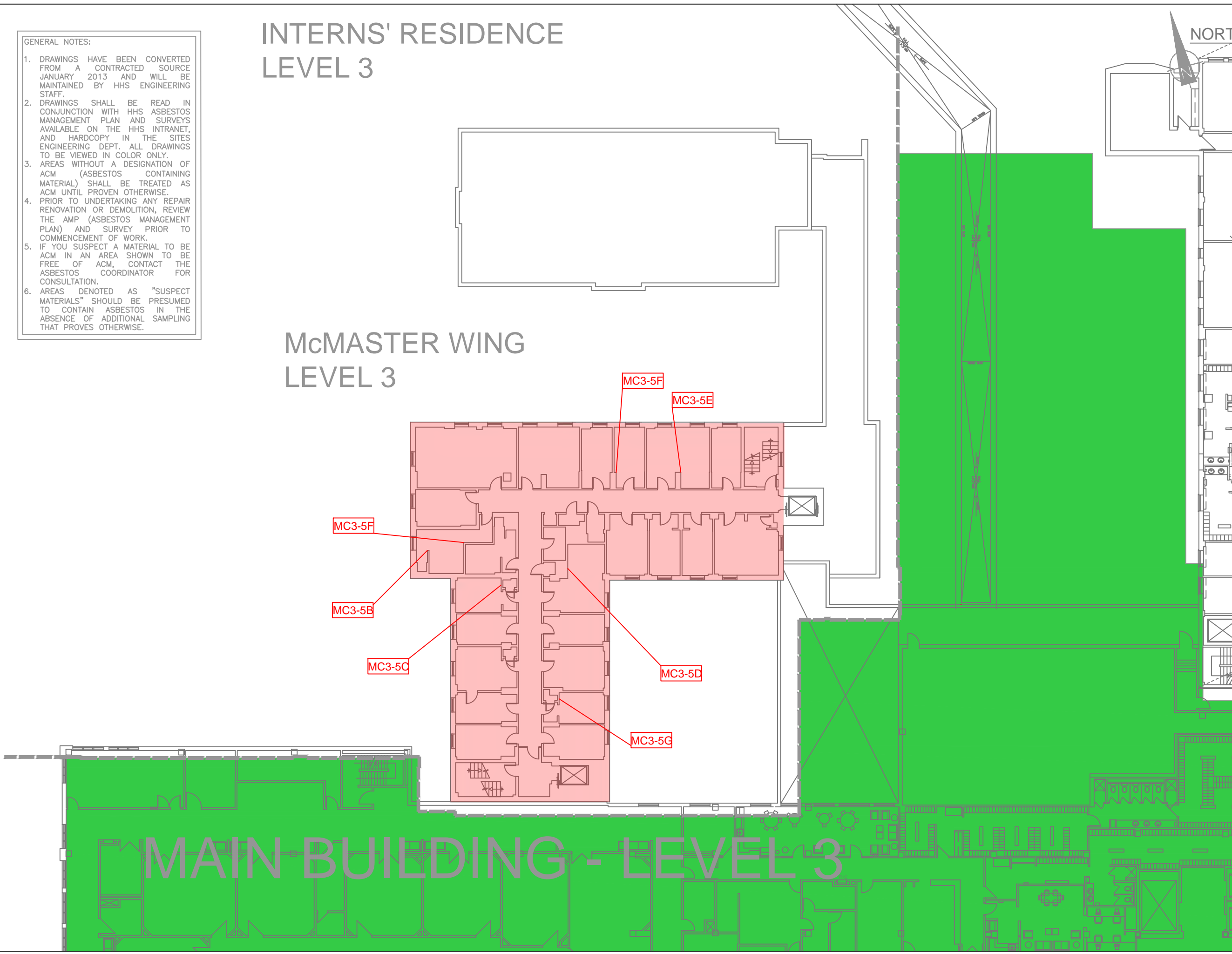


KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

LEGEND - WALLS

- ACM DRYWALL JOINT COMPOUND AND/OR PLASTER
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS



GENERAL SITE



PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: McMASTER AND INTERNS RES LEVEL 3 ACM ON WALLS

PLOT DATE:	DEPARTMENT: ENGINEERING
SCALE: N.T.S.	SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARCO MENDOZA	FILE NAME: RA-02 McMaster Level 3_reco
DRAWING NO.	

RA-03B

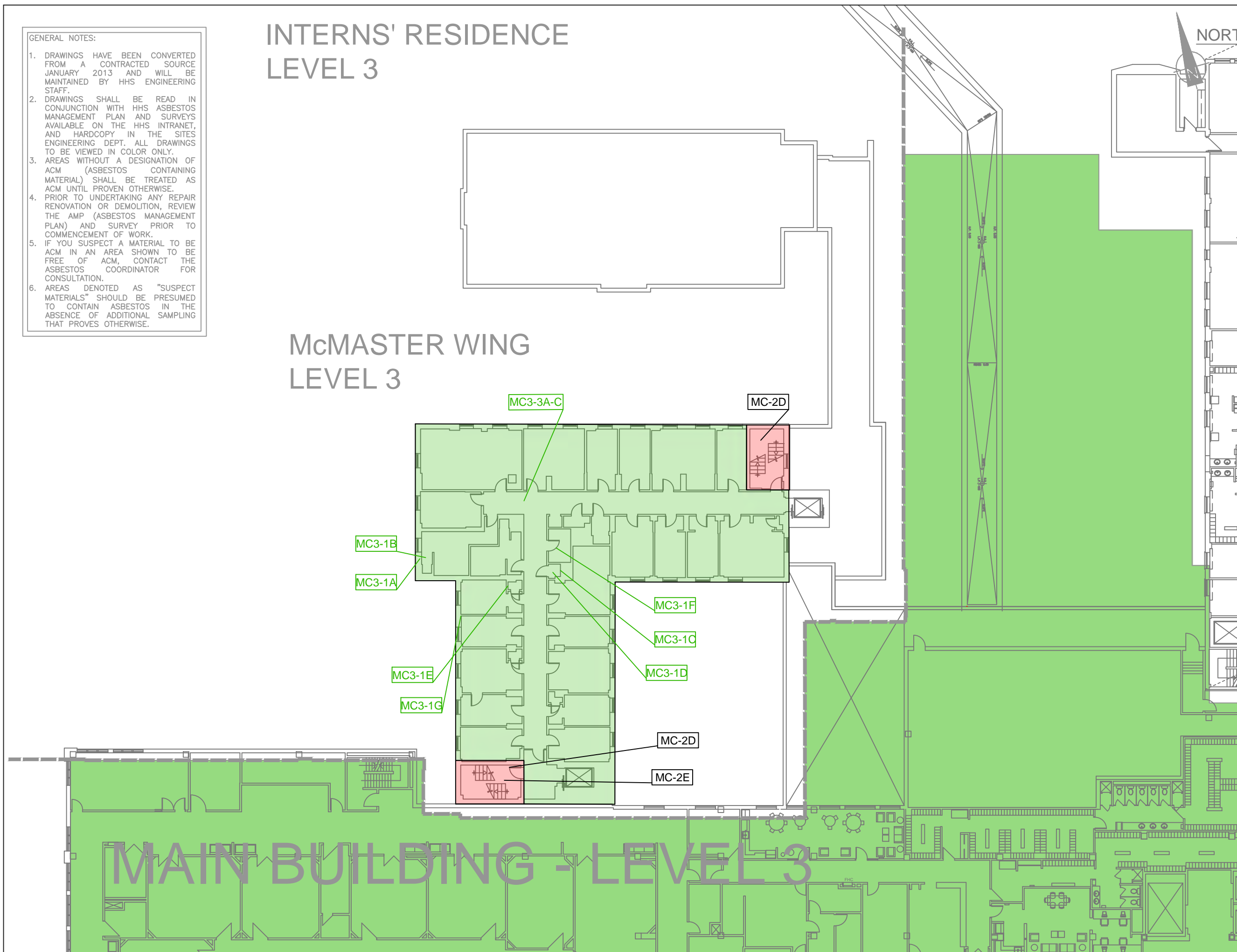
SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)

GENERAL NOTES:

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INTERNS' RESIDENCE LEVEL 3

McMASTER WING LEVEL 3



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

LEGEND - CEILING

■	ACM PLASTER CEILINGS
■	SUSPECT ACM
■	NO ACM PRESENT
■	ACM ABATED AREAS AS PER HHS RECORDS

GENERAL SITE

PROJECT:
HAMILTON GENERAL HOSPITAL -
237 BARTON ST. EAST, ASBESTOS
MANAGEMENT PLAN AND SURVEY

DRAWINGS:
McMASTER AND INTERNS RES
LEVEL 3
ACM ON CEILINGS

PLOT DATE:	DEPARTMENT: ENGINEERING
SCALE: N.T.S.	SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARCOS MENDOZA	FILE NAME: RA-02 McMaster Level 3
DRAWING NO.	

RA-03C

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)

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INTERNS' RESIDENCE LEVEL 4

McMASTER WING LEVEL 4

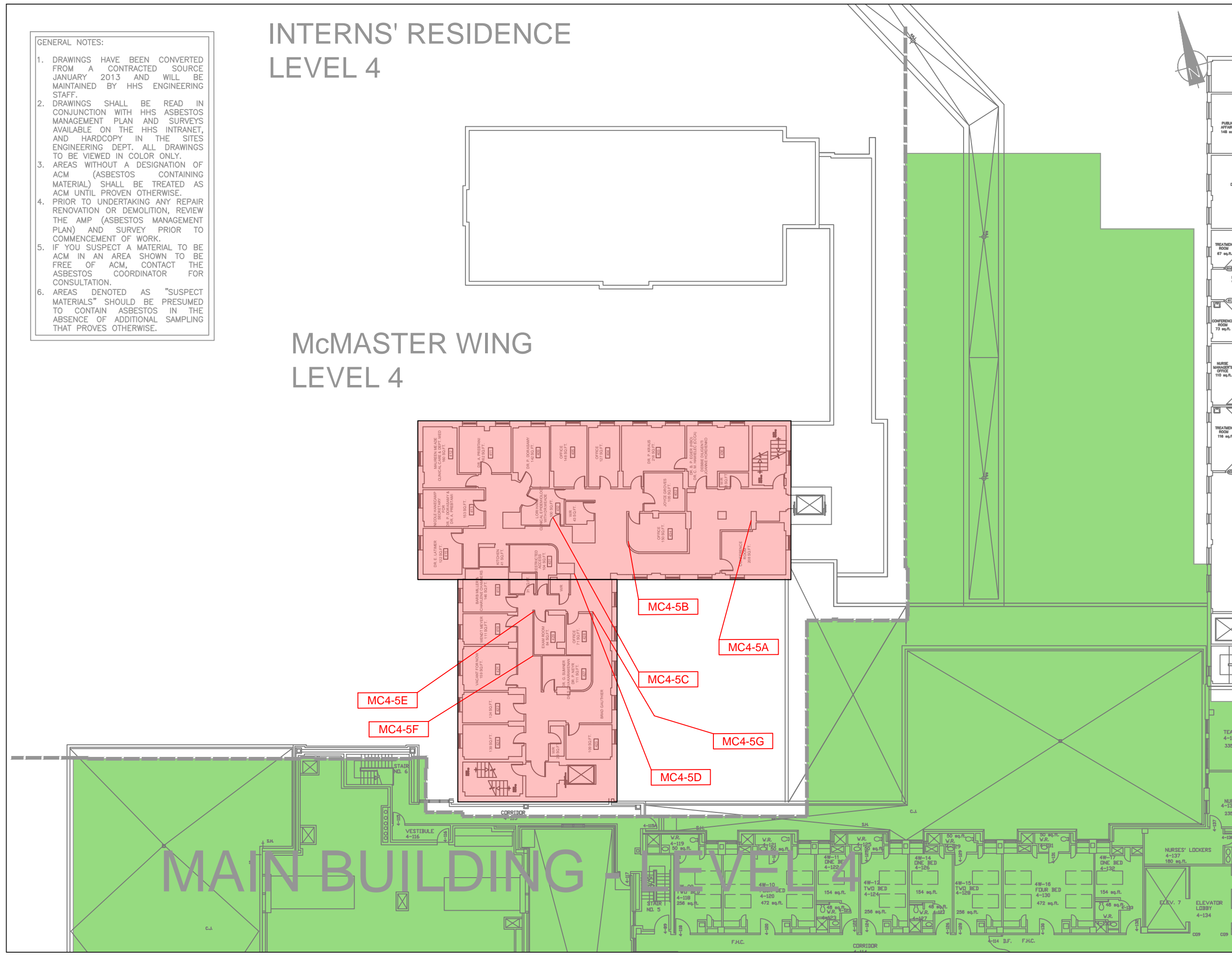


KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

LEGEND - WALLS

- ACM DRYWALL JOINT COMPOUND ON WALLS
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREAS AS PER HHS RECORDS



GENERAL SITE



PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWINGS: McMASTER AND INTERNS RES LEVEL 4 ACM ON WALLS

SCALE: N.T.S.
DRAWN BY: MARCO MENDOZA
DEPARTMENT: ENGINEERING
SUPERVISOR: DUSTIN COPELAND
FILE NAME: RA-02 McMaster Level 4

RA-04B

INTERNS' RESIDENCE LEVEL 4

GENERAL NOTES:

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McMASTER WING LEVEL 4



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

LEGEND - CEILING

- ACM PLASTER CEILINGS
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREAS AS PER HHS RECORDS

GENERAL
SITE

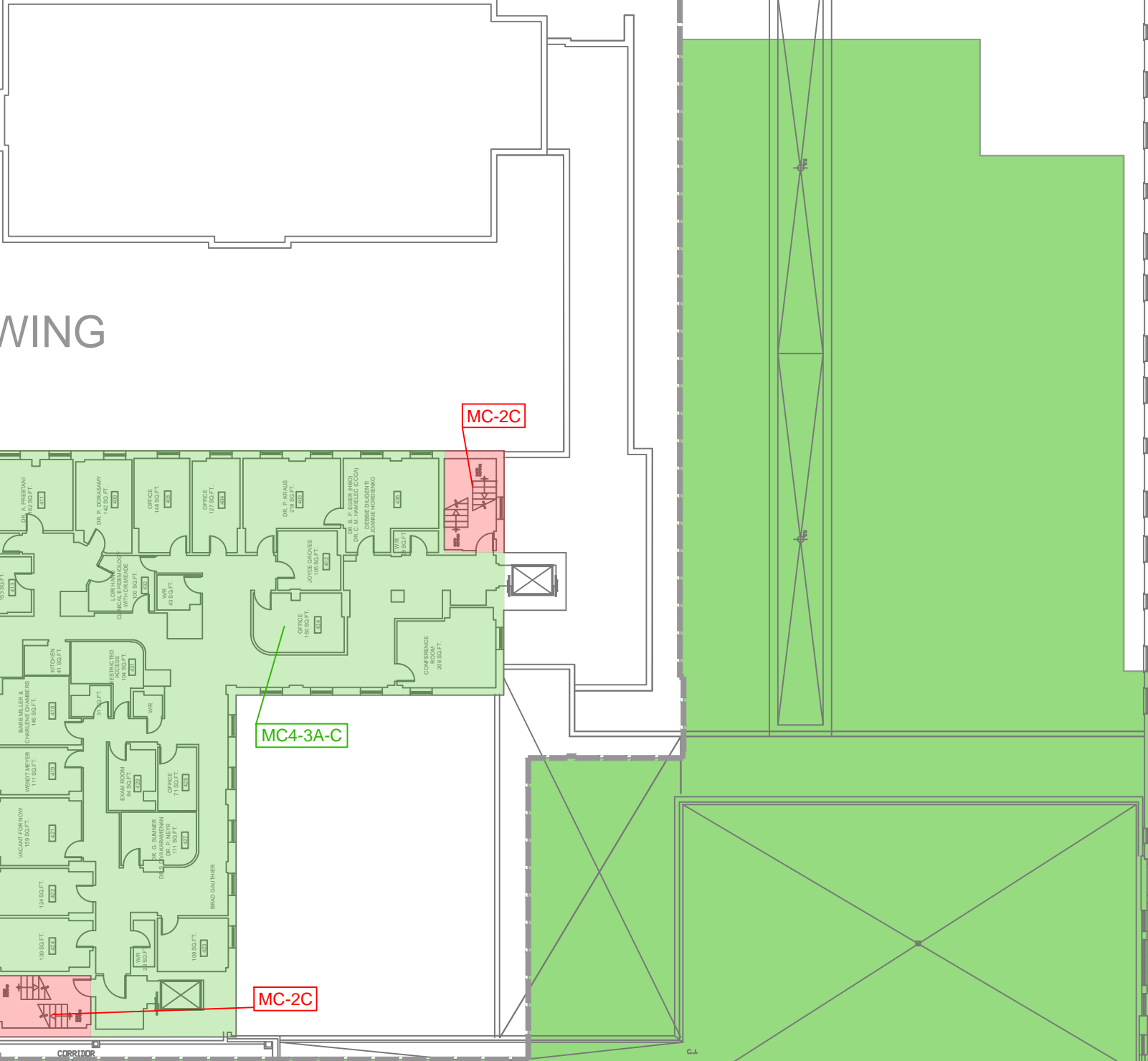


PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWINGS: McMASTER AND INTERNS RES LEVEL 4 ACM ON CEILING

SCALE: N.T.S.
DRAWN BY: MARCO MENDOZA
DEPARTMENT: ENGINEERING
SUPERVISOR: DUSTIN COPELAND
FILE NAME: RA-02 McMaster Level 4

RA-04C



MAIN BUILDING - LEVEL 4

GENERAL NOTES:

1. DRAWINGS HAVE BEEN CONVERTED FROM A CONTRACTED SOURCE JANUARY 2013 AND WILL BE MAINTAINED BY HHS ENGINEERING STAFF.
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INTERNS' RESIDENCE LEVEL 5

McMASTER WING LEVEL 5

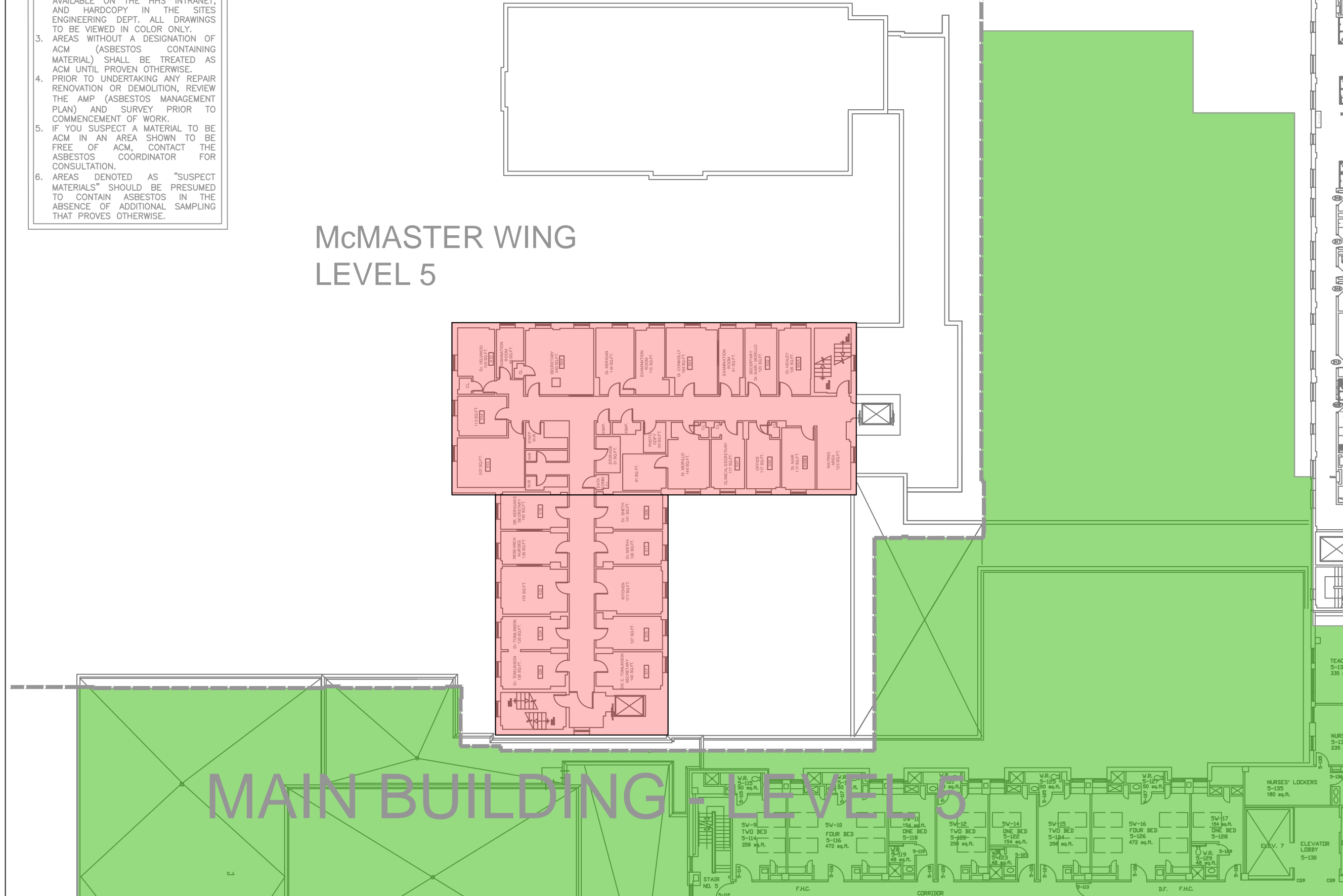


KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

LEGEND - WALLS

	ACM PLASTER AND/OR DRYWALL JOINT COMPOUND ON WALLS
	SUSPECT ACM
	NO ACM PRESENT
	ACM ABATED AREAS AS PER HHS RECORDS



GENERAL SITE



PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWINGS: McMASTER AND INTERNS RES LEVEL 5 ACM ON WALLS

PLOT DATE: DEPARTMENT: ENGINEERING
SCALE: N.T.S. SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARCO MENDOZA FILE NAME: RA-02 McMaster Level 5
DRAWING NO.

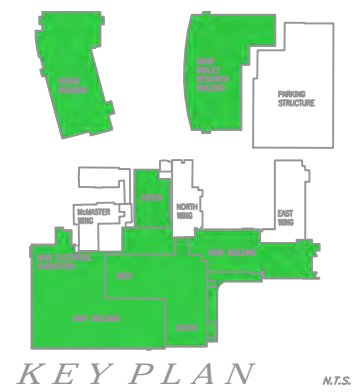
RA-05B

GENERAL NOTES:

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INTERNS' RESIDENCE LEVEL 5

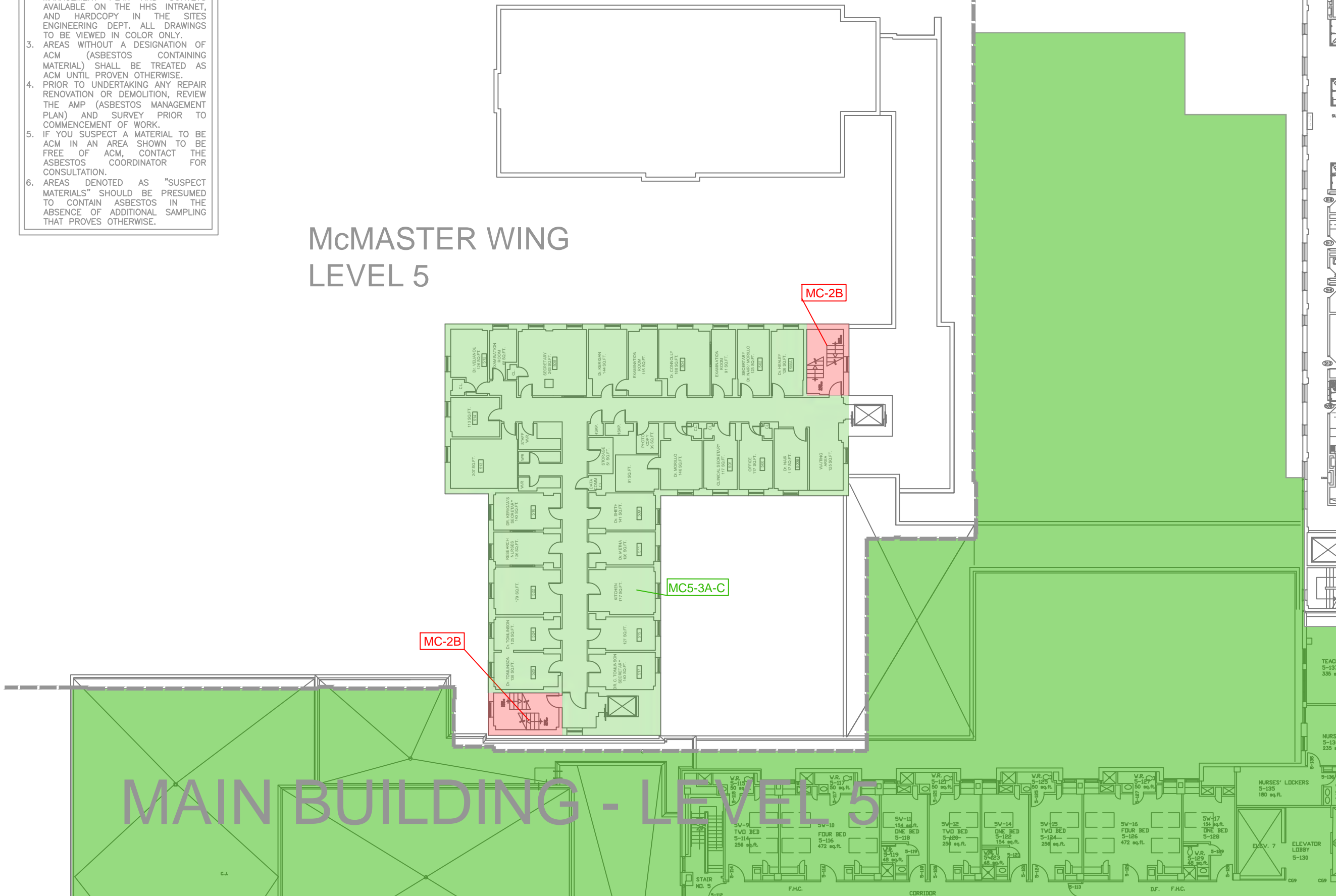
McMASTER WING LEVEL 5



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

LEGEND - CEILING

- ACM PLASTER CEILING
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREAS AS PER HHS RECORDS



GENERAL SITE

PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: McMASTER AND INTERNS RES LEVEL 5 ACM ON CEILINGS

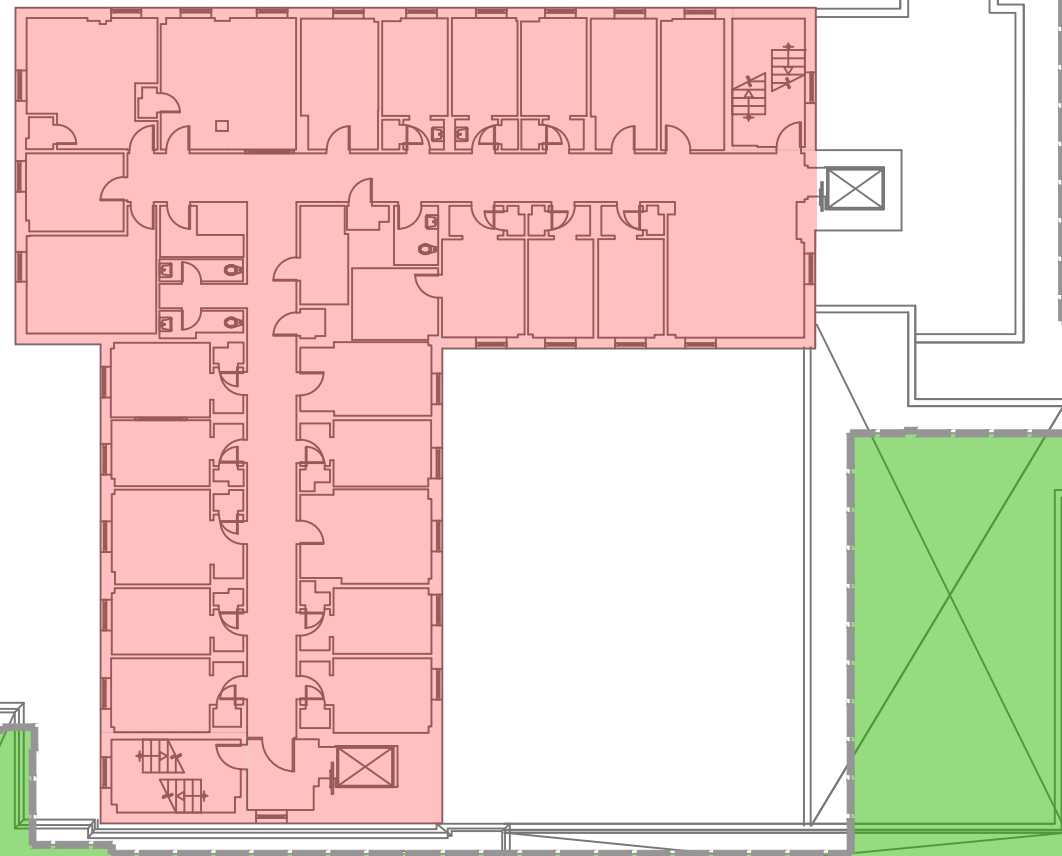
SCALE: N.T.S.
DRAWN BY: MARCO MENDOZA
DEPARTMENT: ENGINEERING
SUPERVISOR: DUSTIN COPELAND
FILE NAME: RA-02 McMaster Level 5

RA-05C

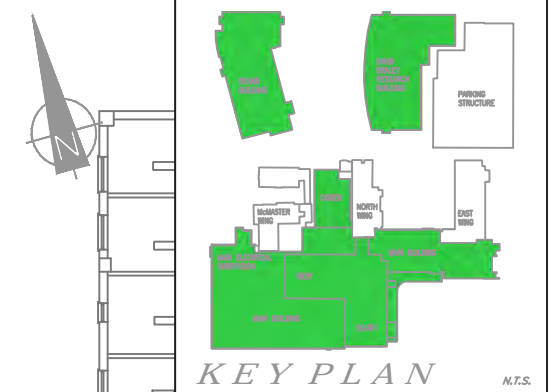
GENERAL NOTES:

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McMASTER WING LEVEL 6



MAIN BUILDING - LEVEL 6



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

LEGEND - WALLS

- ACM DRYWALL JOINT COMPOUND ON WALLS
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREAS AS PER HHS RECORDS

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL -
237 BARTON ST. EAST, ASBESTOS
MANAGEMENT PLAN AND SURVEY

DRAWINGS:
McMASTER AND INTERNS RES
LEVEL 6
ACM ON WALLS

PLOT DATE:	DEPARTMENT: ENGINEERING
SCALE: N.T.S.	SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARCO MENDOZA	FILE NAME: RA-02 McMaster Level 6
DRAWING NO.	

RA-06B

GENERAL NOTES:

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INTERNS' RESIDENCE LEVEL 6

McMASTER WING LEVEL 6

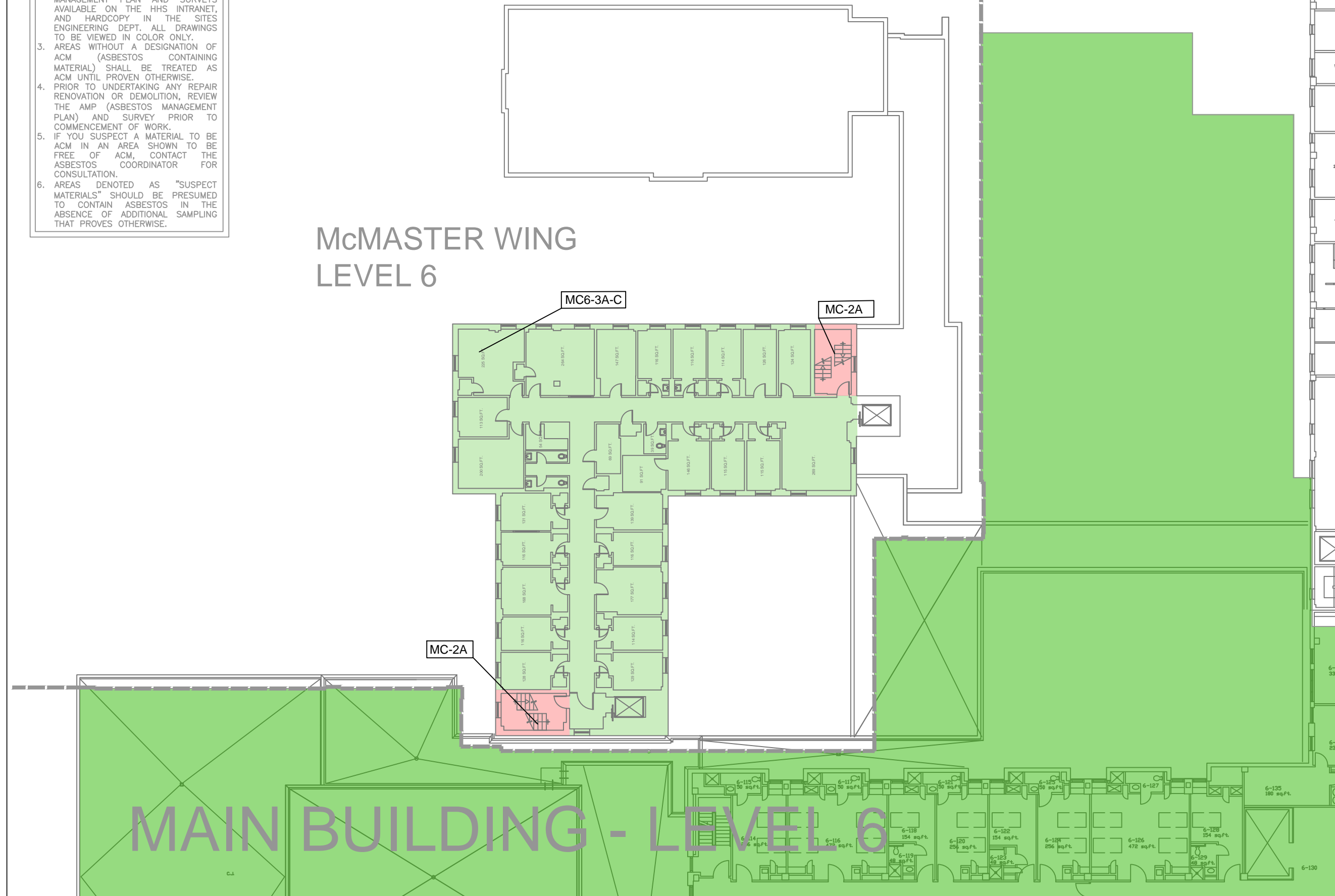


KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
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4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

LEGEND - CEILING

- ACM PLASTER CEILING
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREAS AS PER HHS RECORDS



GENERAL SITE



PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWINGS: McMASTER AND INTERNS RES LEVEL 6 ACM ON CEILINGS

PLOT DATE:	DEPARTMENT: ENGINEERING
SCALE: N.T.S.	SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARCO MENDOZA	FILE NAME: RA-02 McMaster Level 6
DRAWING NO.:	

RA-06C

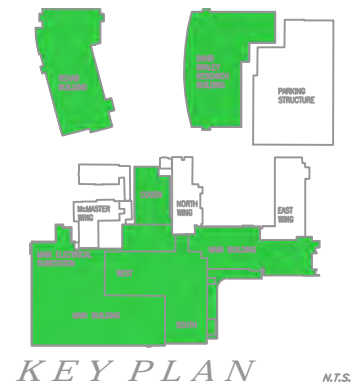
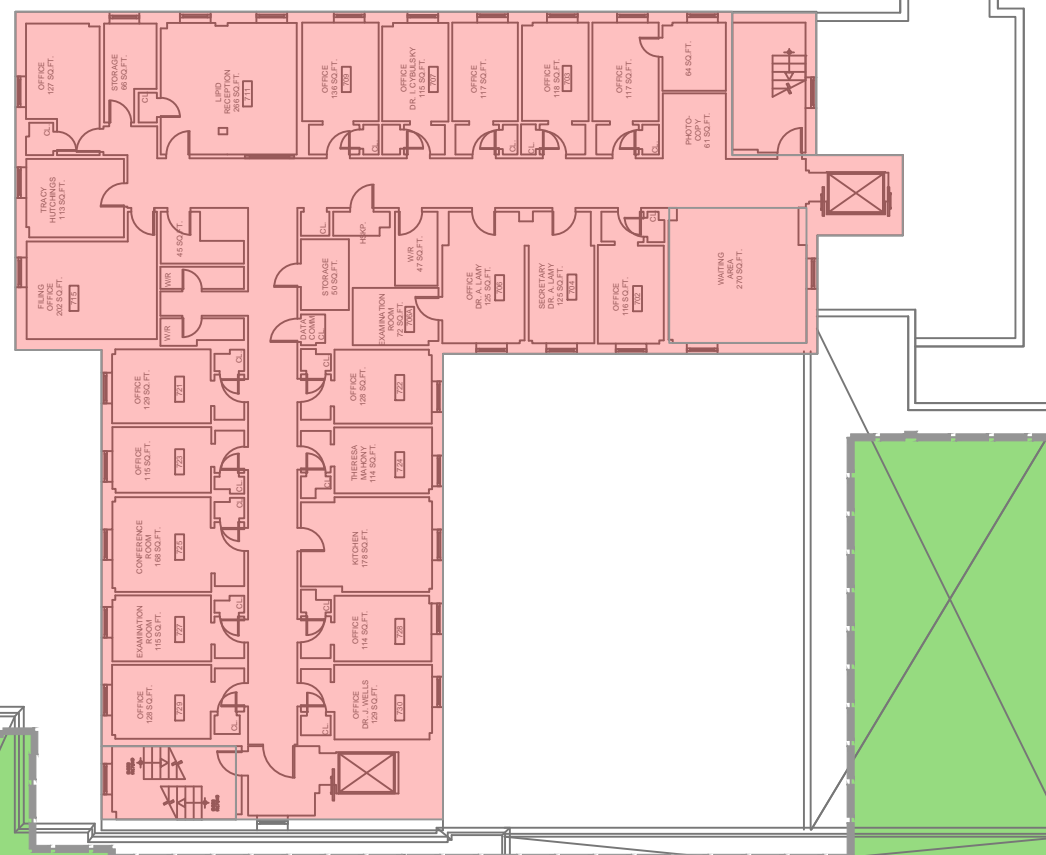
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INTERNS' RESIDENCE LEVEL 7



McMASTER WING LEVEL 7



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

- LEGEND - WALLS
- ACM DRYWALL JOINT COMPOUND ON WALLS
 - SUSPECT ACM
 - NO ACM PRESENT
 - ACM ABATED AREAS AS PER HHS RECORDS

GENERAL SITE



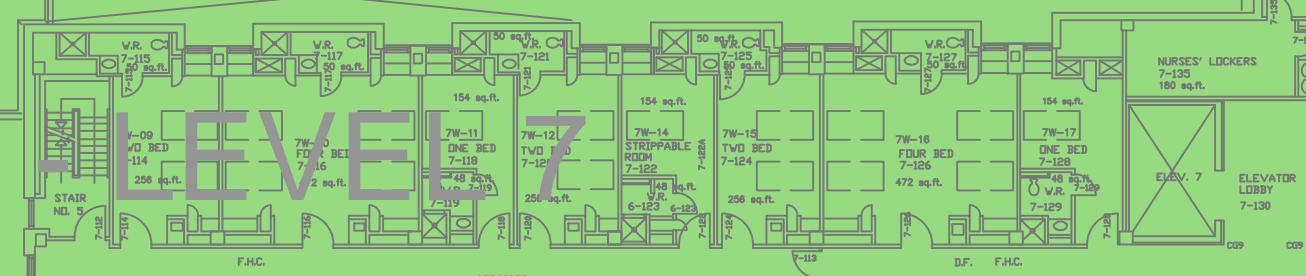
PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWINGS: McMASTER AND INTERNS RES LEVEL 7 ACM ON WALLS

SCALE: N.T.S.
DRAWN BY: MARCO MENDOZA
DEPARTMENT: ENGINEERING
SUPERVISOR: DUSTIN COPELAND
FILE NAME: RA-02 McMaster Level 7

RA-07B

MAIN BUILDING LEVEL 7



GENERAL NOTES:

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INTERNS' RESIDENCE LEVEL 7

McMASTER WING LEVEL 7

MC7-3A-C



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
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3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

LEGEND - CEILING

	ACM PLASTER CEILING
	SUSPECT ACM
	NO ACM PRESENT
	ACM ABATED AREAS AS PER HHS RECORDS

GENERAL SITE



PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWINGS: McMASTER AND INTERNS RES LEVEL 7 ACM ON CEILINGS

DEPARTMENT: ENGINEERING
SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARCO MENDOZA
FILE NAME: RA-02 McMaster Level 7

RA-07C

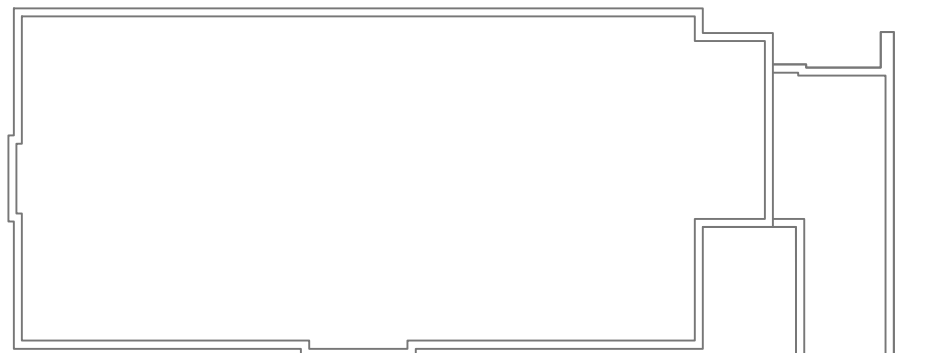
SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)

MAIN BUILDING LEVEL 7

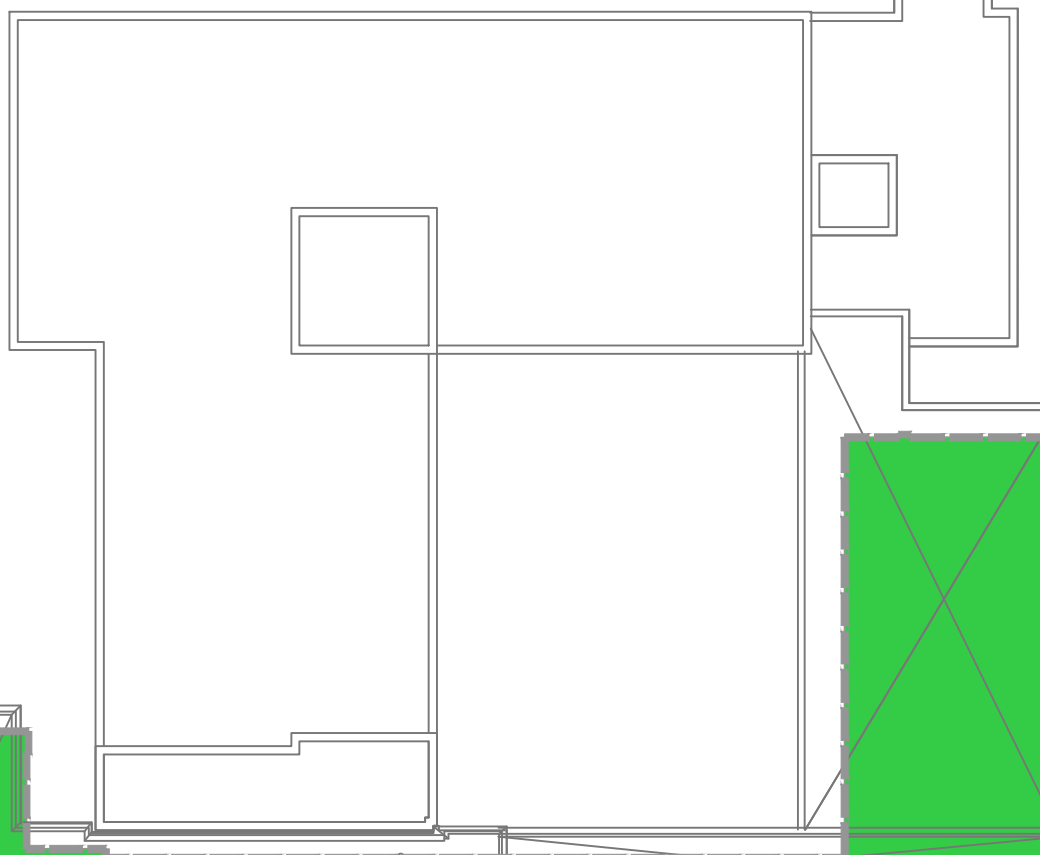
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6. ALL TESTING SHALL BE SHIPPED AND COMPLETED BY A THIRD PARTY

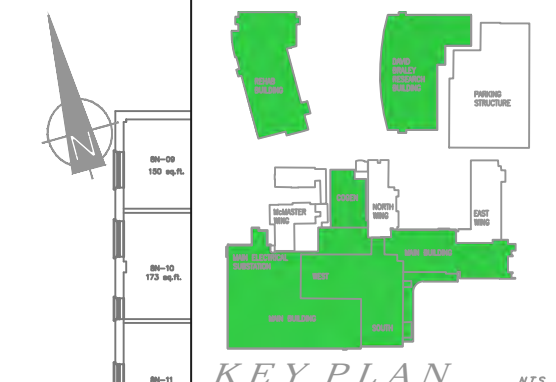
INTERNS' RESIDENCE LEVEL 8



McMASTER WING LEVEL 8



MAIN BUILDING - LEVEL 8



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

LEGEND - WALLS

- ACM DRYWALL JOINT COMPOUND ON WALLS
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREAS AS PER HHS RECORDS

GENERAL SITE



PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWINGS: McMASTER AND INTERNS RES LEVEL 8 ACM ON WALLS

PLOT DATE:	DEPARTMENT: ENGINEERING
SCALE: N.T.S.	SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARCO MENDOZA	FILE NAME: RA-02 McMaster Level 8

RA-08B

GENERAL NOTES:

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INTERNS' RESIDENCE LEVEL 8

McMASTER WING LEVEL 8

MAIN BUILDING LEVEL 8



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

LEGEND - CEILING

	ACM PRESENT
	SUSPECT ACM
	NO ACM PRESENT
	ACM ABATED AREAS AS PER HHS RECORDS

GENERAL SITE



PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: McMASTER AND INTERNS RES LEVEL 8 ACM ON CEILINGS

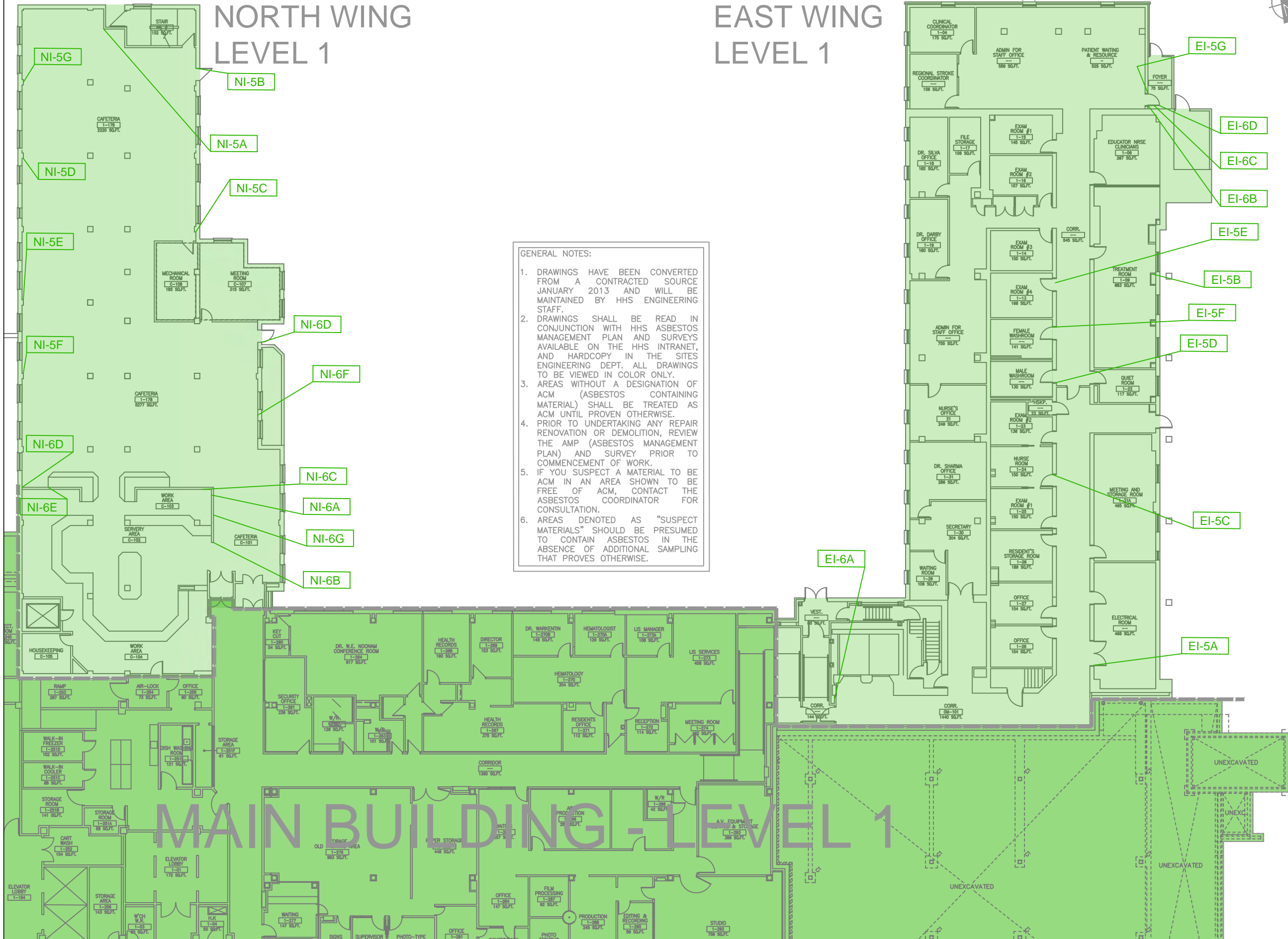
SCALE: N.T.S.
SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARCO MENDOZA
FILE NAME: RA-02 McMaster Level 8_recover
DRAWING NO. RA-08C

RA-08C

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)

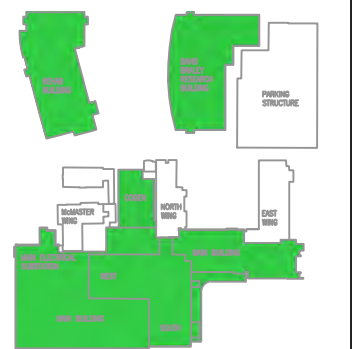
NORTH WING LEVEL 1

EAST WING LEVEL 1



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KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
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3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK

- LEGEND - WALLS**
- ACM PRESENT IN DRYWALL JOINT COMPOUND AND/OR PLASTER
 - SUSPECT ACM
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



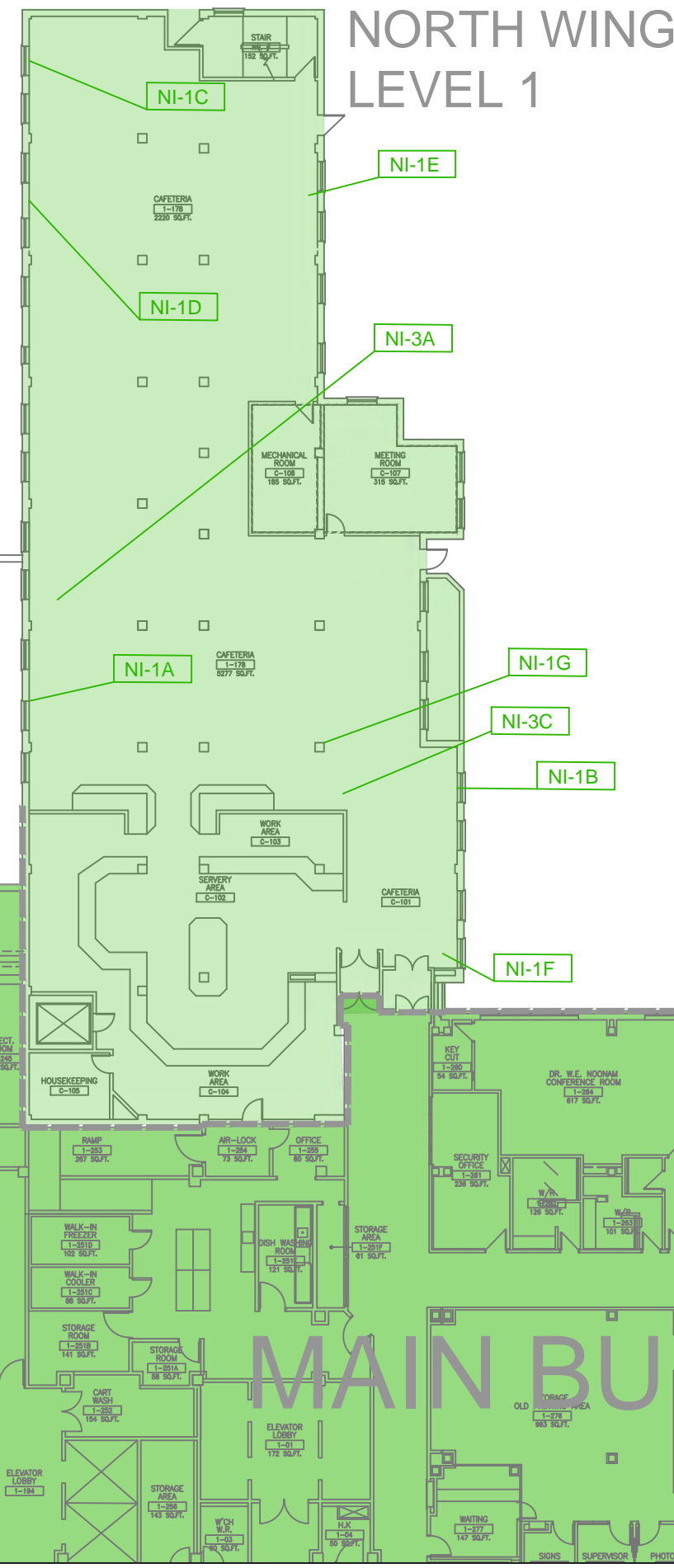
PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: EAST WING AND NORTH WING LEVEL 1 ACM ON WALLS

PLOT DATE: DEPARTMENT: ENGINEERING
 SCALE: N.T.S. SUPERVISOR: DUSTIN COPELAND
 DRAWN BY: MARCO MENDOZA FILE NAME: RA-01 East Wing and North Wing Level 1
 DRAWING NO.

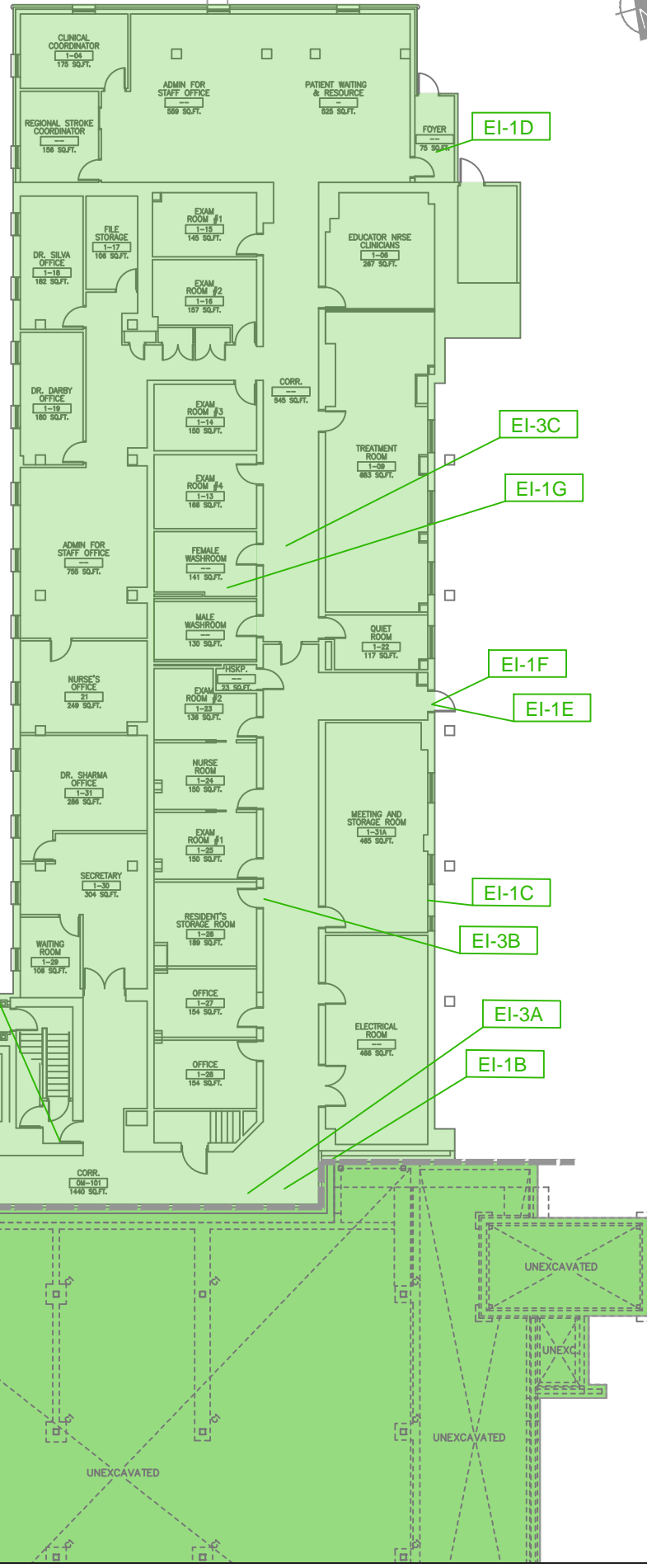
RA-01B

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)



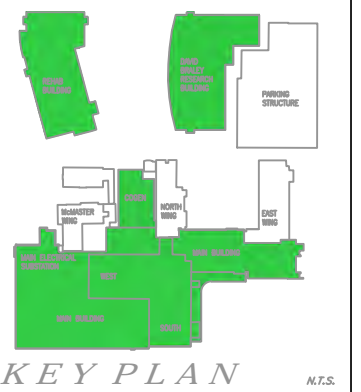
**NORTH WING
LEVEL 1**

**EAST WING
LEVEL 1**



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2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK

LEGEND - CEILING

- ACM PRESENT
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

MAIN BUILDING - LEVEL 1

**GENERAL
SITE**



PROJECT:
HAMILTON GENERAL HOSPITAL -
237 BARTON ST. EAST, ASBESTOS
MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING
LEVEL 1
ACM ON CEILINGS

PLOT DATE:	DEPARTMENT: ENGINEERING
SCALE: N.T.S.	SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARCOS MENDOZA	FILE NAME: RA-01 East Wing and North Wing Le

RA-01C

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)

BRIDGE TO PARKING STRUCTURE

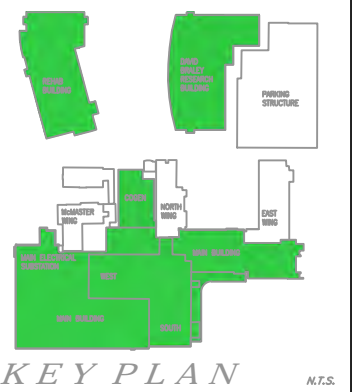
EAST WING LEVEL 2

NORTH WING LEVEL 2

MAIN BUILDING - LEVEL 2

GENERAL NOTES:

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5. IF YOU SUSPECT A MATERIAL TO BE ACM IN AN AREA SHOWN TO BE FREE OF ACM, CONTACT THE ASBESTOS COORDINATOR FOR CONSULTATION.
6. AREAS DENOTED AS "SUSPECT MATERIALS" SHOULD BE PRESUMED TO CONTAIN ASBESTOS IN THE ABSENCE OF ADDITIONAL SAMPLING THAT PROVES OTHERWISE.



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK

- LEGEND - WALLS**
- ACM PRESENT IN DRYWALL JOINT COMPOUND AND/OR PLASTER
 - SUSPECT ACM
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: EAST WING AND NORTH WING LEVEL 2 ACM ON WALLS

SCALE: N.T.S.
 DRAWN BY: MARCO MENDOZA
 DEPARTMENT: ENGINEERING
 SUPERVISOR: DUSTIN COPELAND
 FILE NAME: RA-02_East Wing and North Wing Level 2

RA-02B

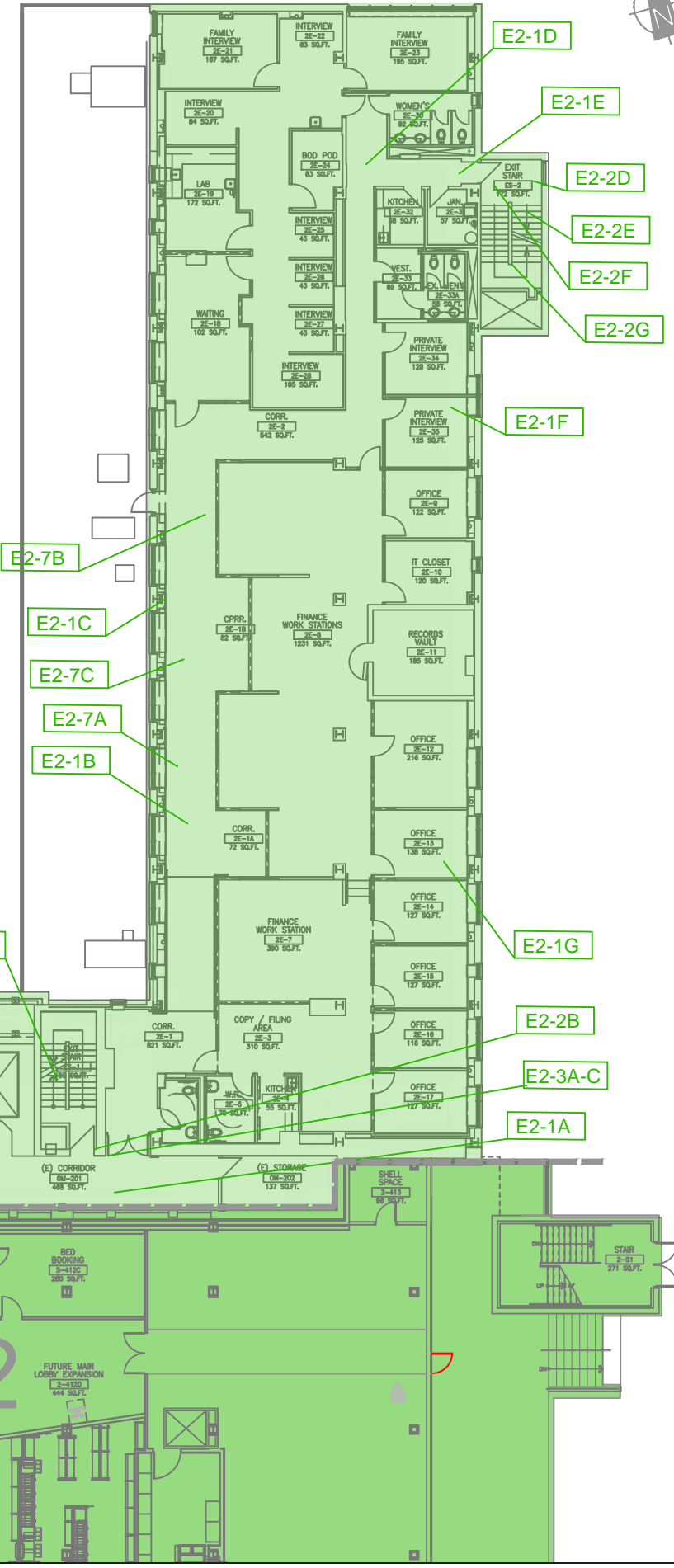
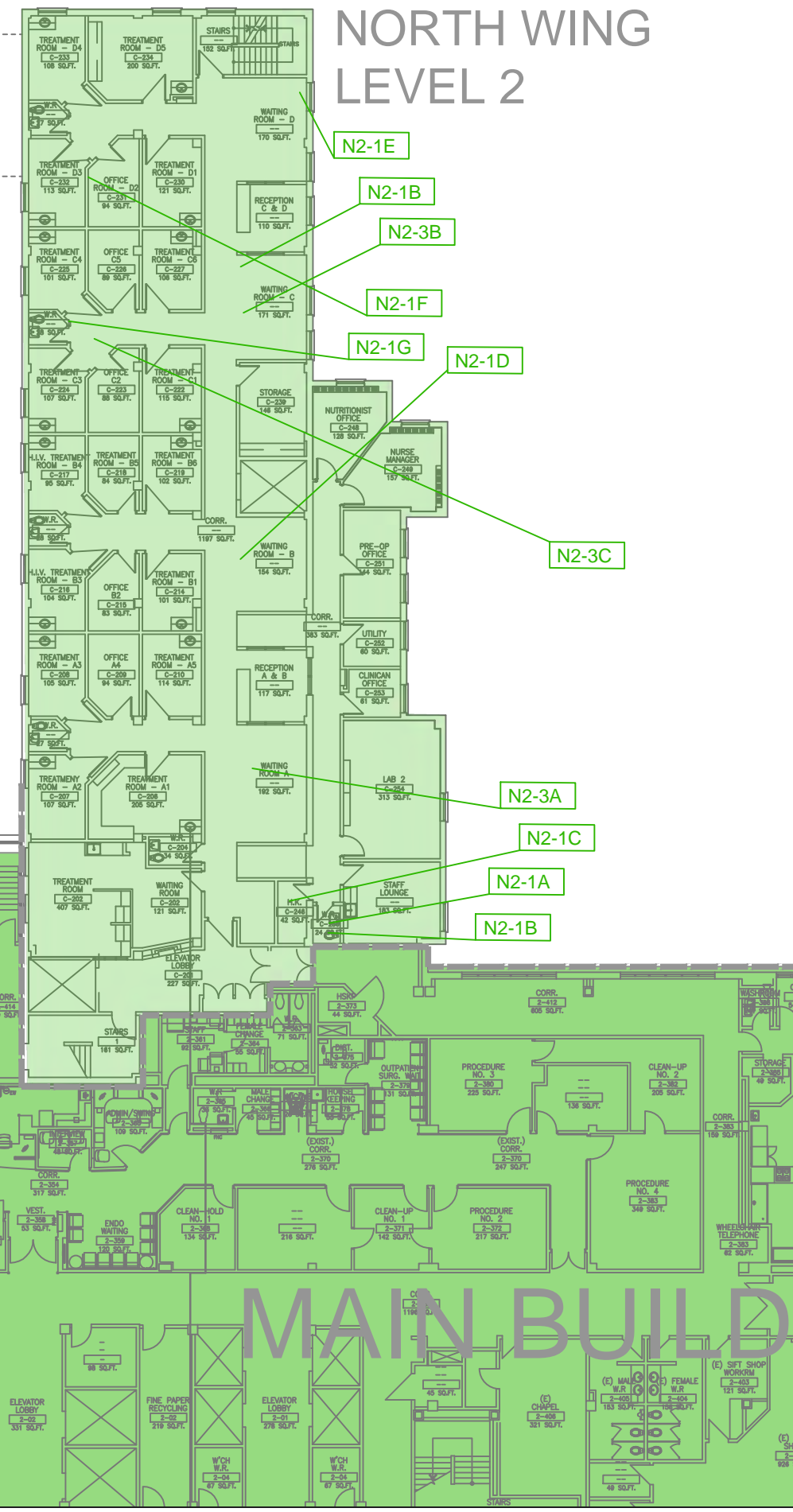
SHEET SIZE = ARCH 'D' - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)

EAST WING LEVEL 2



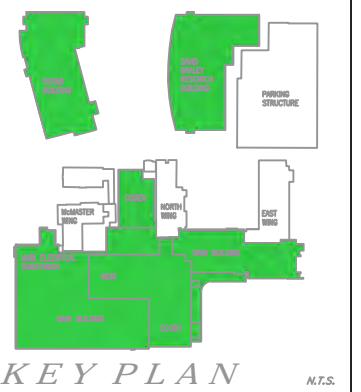
BRIDGE TO PARKING STRUCTURE

NORTH WING LEVEL 2



GENERAL NOTES:

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4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK

LEGEND - CEILING

- ACM PRESENT
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



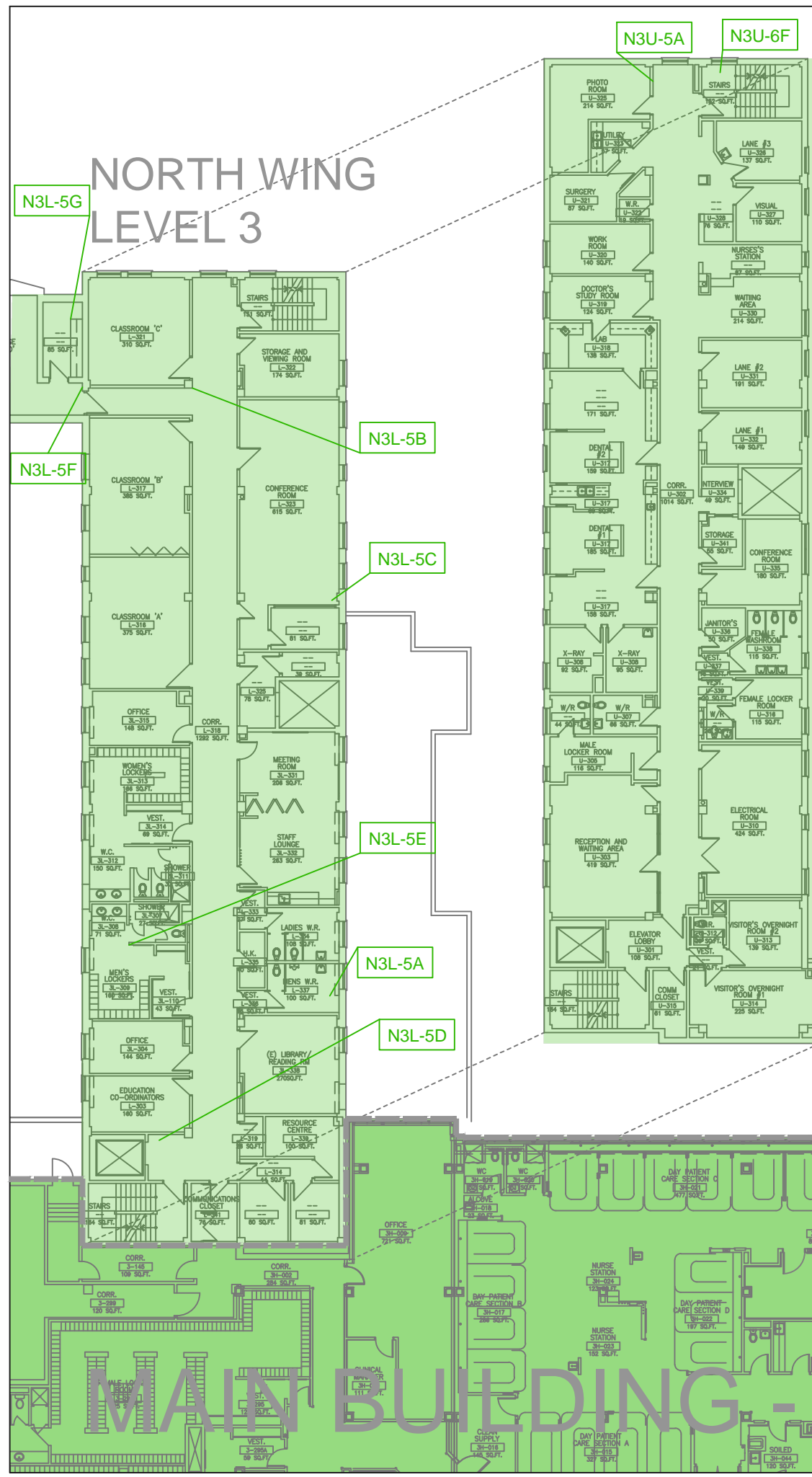
PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 2
ACM ON CEILINGS

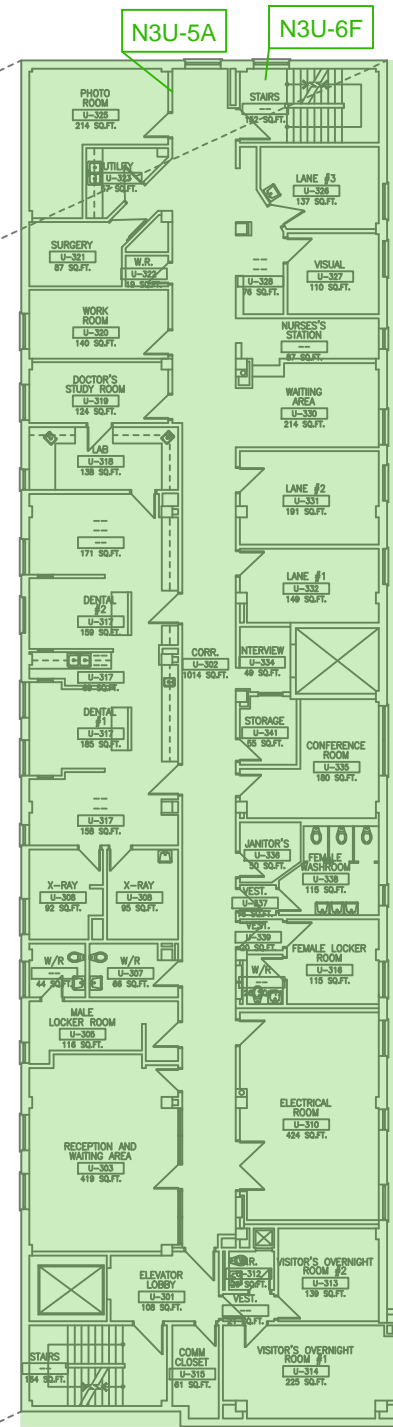
PLOT DATE: _____ DEPARTMENT: ENGINEERING
SCALE: _____ SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARCO MENDOZA FILE NAME: RA-02 East Wing and North Wing Level 2
DRAWING NO. _____

RA-02C

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)



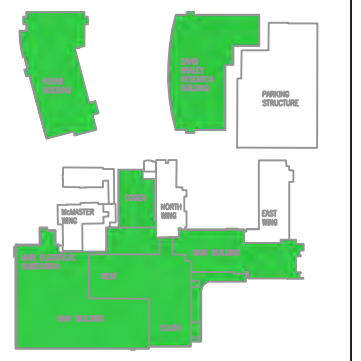
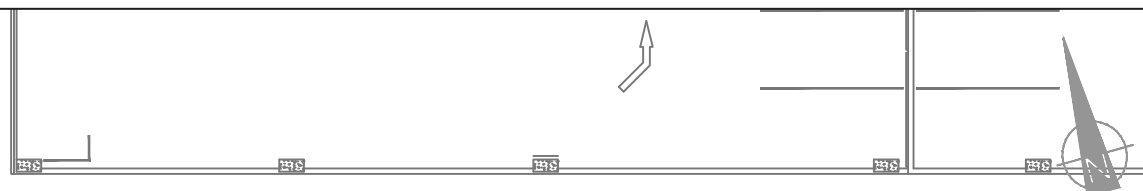
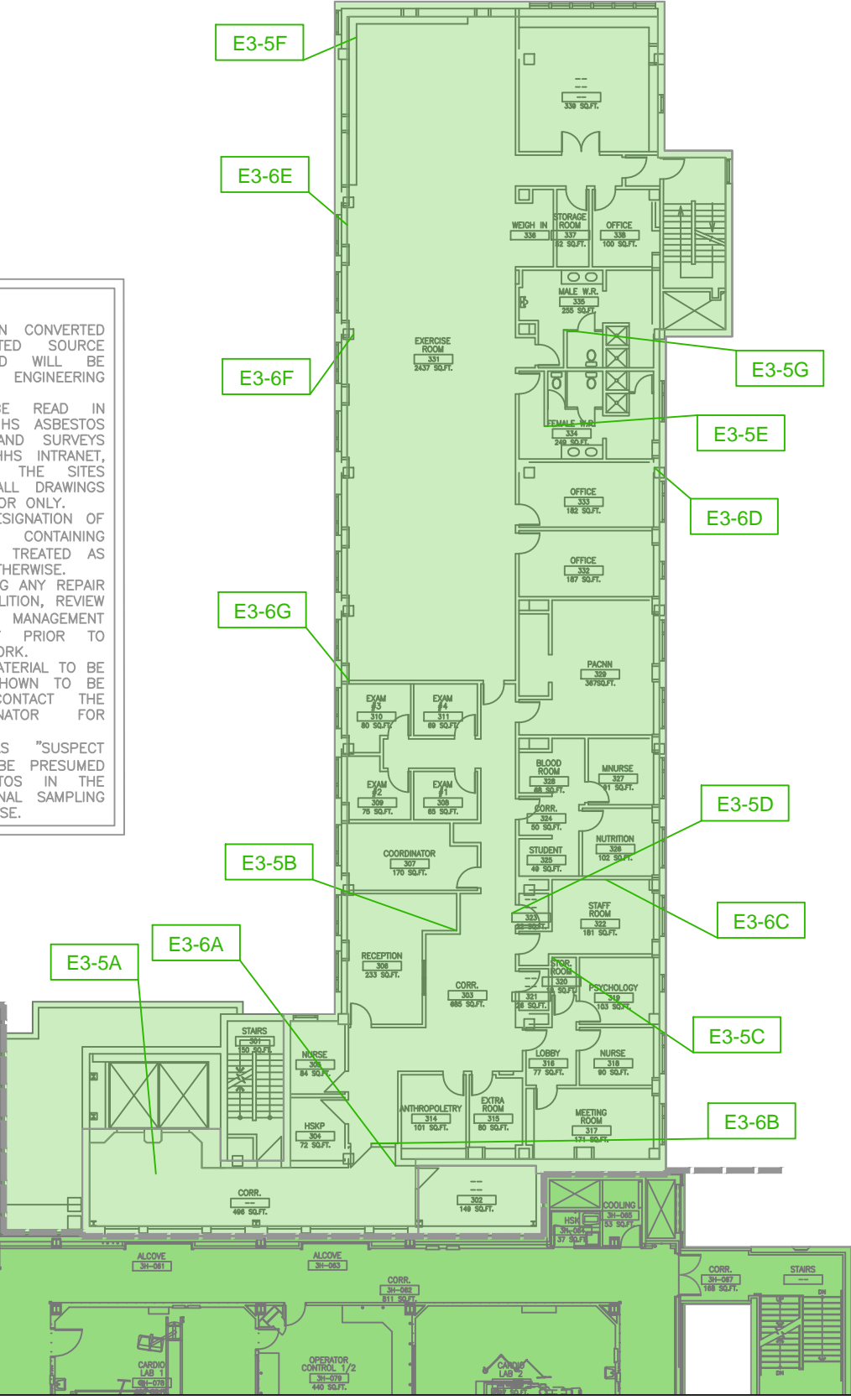
NORTH WING LEVEL 3 UPPER



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EAST WING LEVEL 3



KEY PLAN N.T.S.

NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
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8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED BY ECOH	MM
10	6/15/2017		UPDATED BY ECOH	JK

- LEGEND - WALLS**
- ACM PRESENT IN DRYWALL JOINT COMPOUND AND/OR PLASTER
 - SUSPECT ACM
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: EAST WING AND NORTH WING LEVEL 3 ACM ON WALLS

SCALE: N.T.S.
DRAWN BY: MARCO MENDOZA
DEPARTMENT: ENGINEERING
SUPERVISOR: DUSTIN COPELAND
FILE NAME: RA-03 East Wing and North Wing Level 3

RA-03B

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)

NORTH WING LEVEL 3

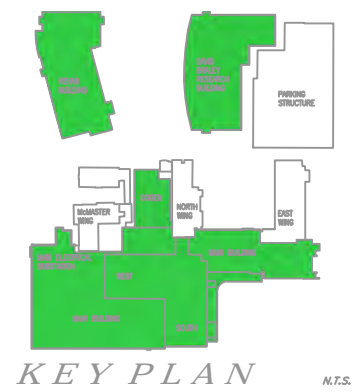
NORTH WING LEVEL 3 UPPER

EAST WING LEVEL 3



GENERAL NOTES:

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9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

LEGEND - CEILING

- ACM PRESENT
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING: EAST WING AND NORTH WING LEVEL 3 ACM ON CEILINGS

SCALE: N.T.S.

DEPARTMENT: ENGINEERING

SUPERVISOR: DUSTIN COPELAND

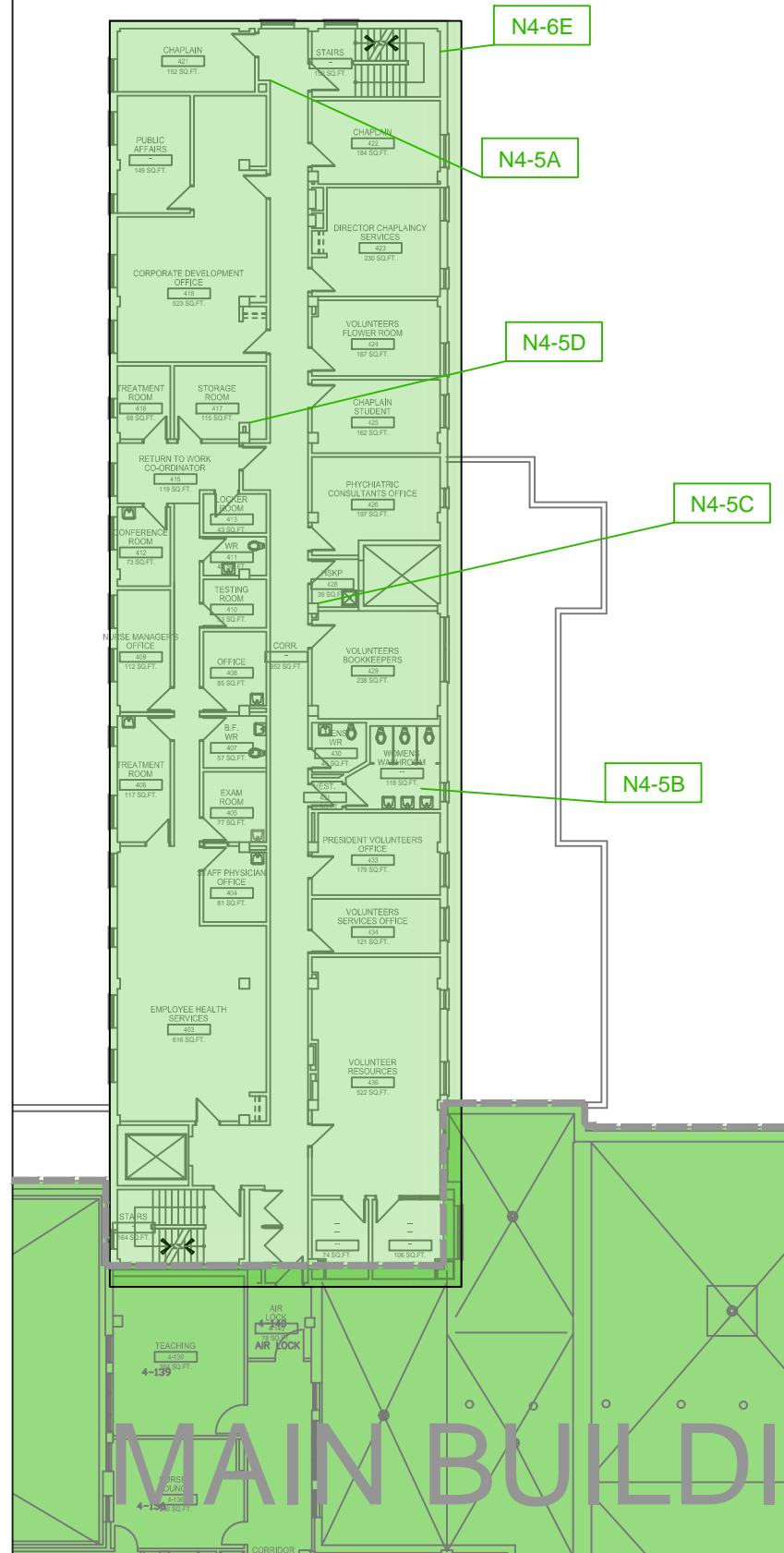
DRAWN BY: MARCO MENDOZA

FILE NAME: RA-03C East Wing and North Wing Level 3

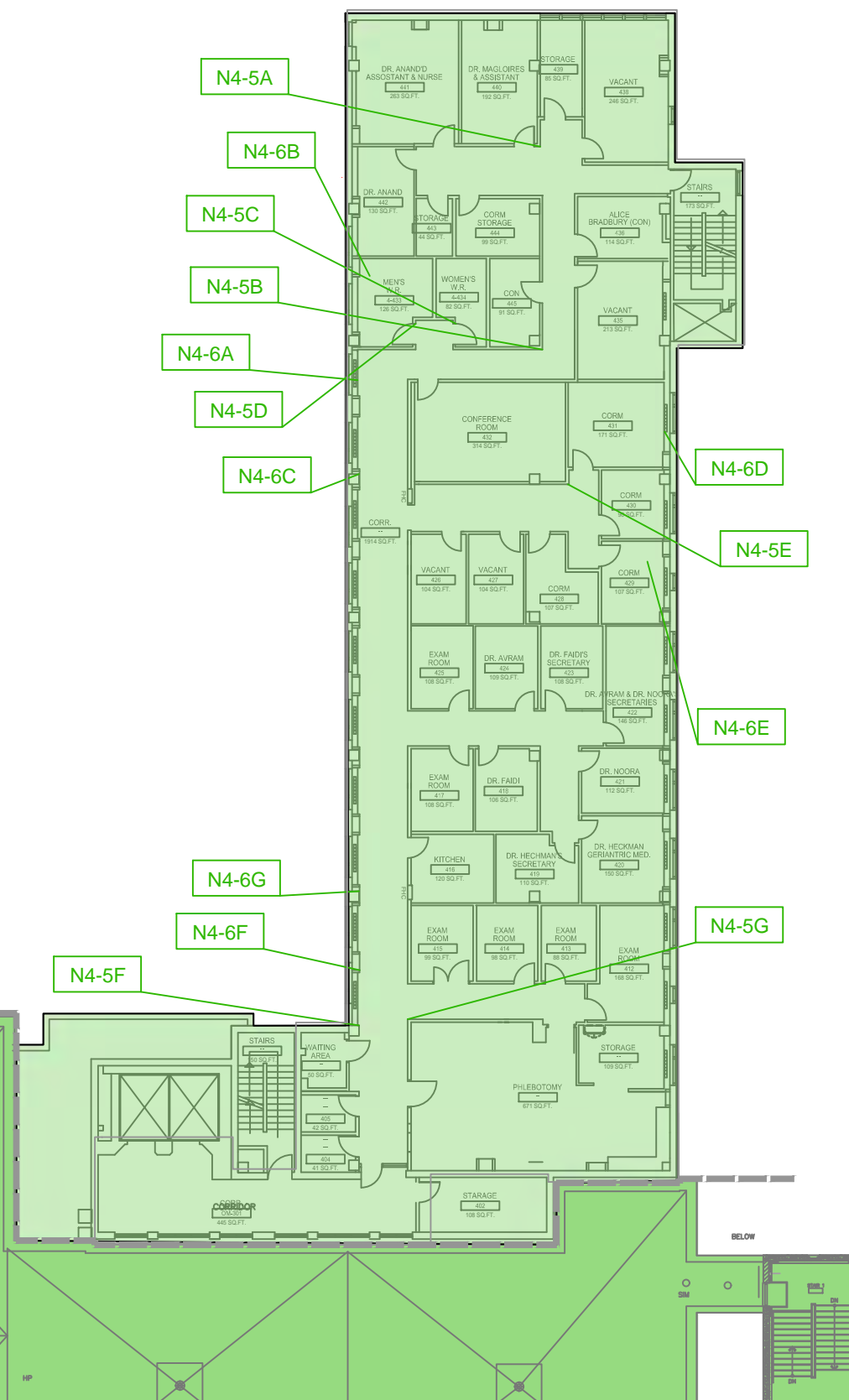
DRAWING NO. RA-03C

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)

NORTH WING LEVEL 4

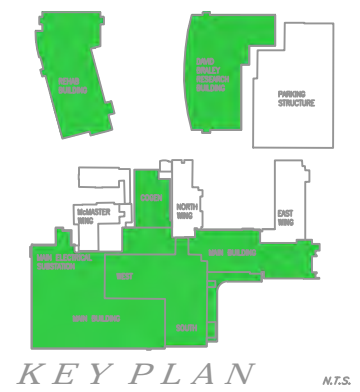


EAST WING LEVEL 4



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5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

LEGEND - WALLS

- ACM PRESENT IN DRYWALL JOINT COMPOUND AND/OR PLASTER
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT: HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

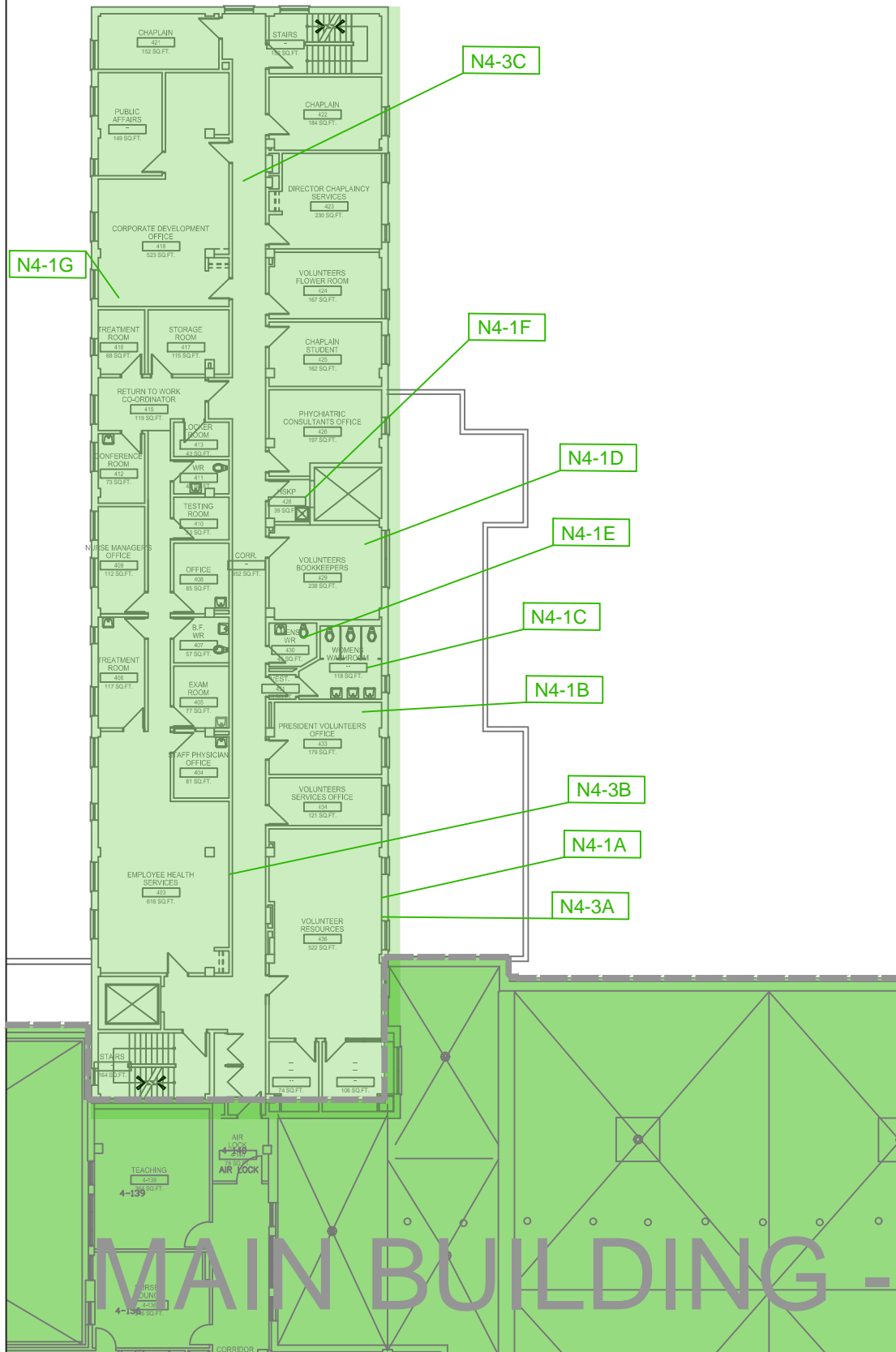
DRAWING: EAST WING AND NORTH WING LEVEL 4 ACM ON WALLS

SCALE: N.T.S.
 DRAWN BY: MARCO MENDOZA
 DEPARTMENT: ENGINEERING
 SUPERVISOR: DUSTIN COPELAND
 FILE NAME: RA-04B East Wing and North Wing Level 4 bound

RA-04B

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)

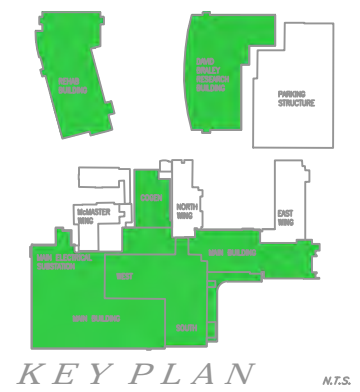
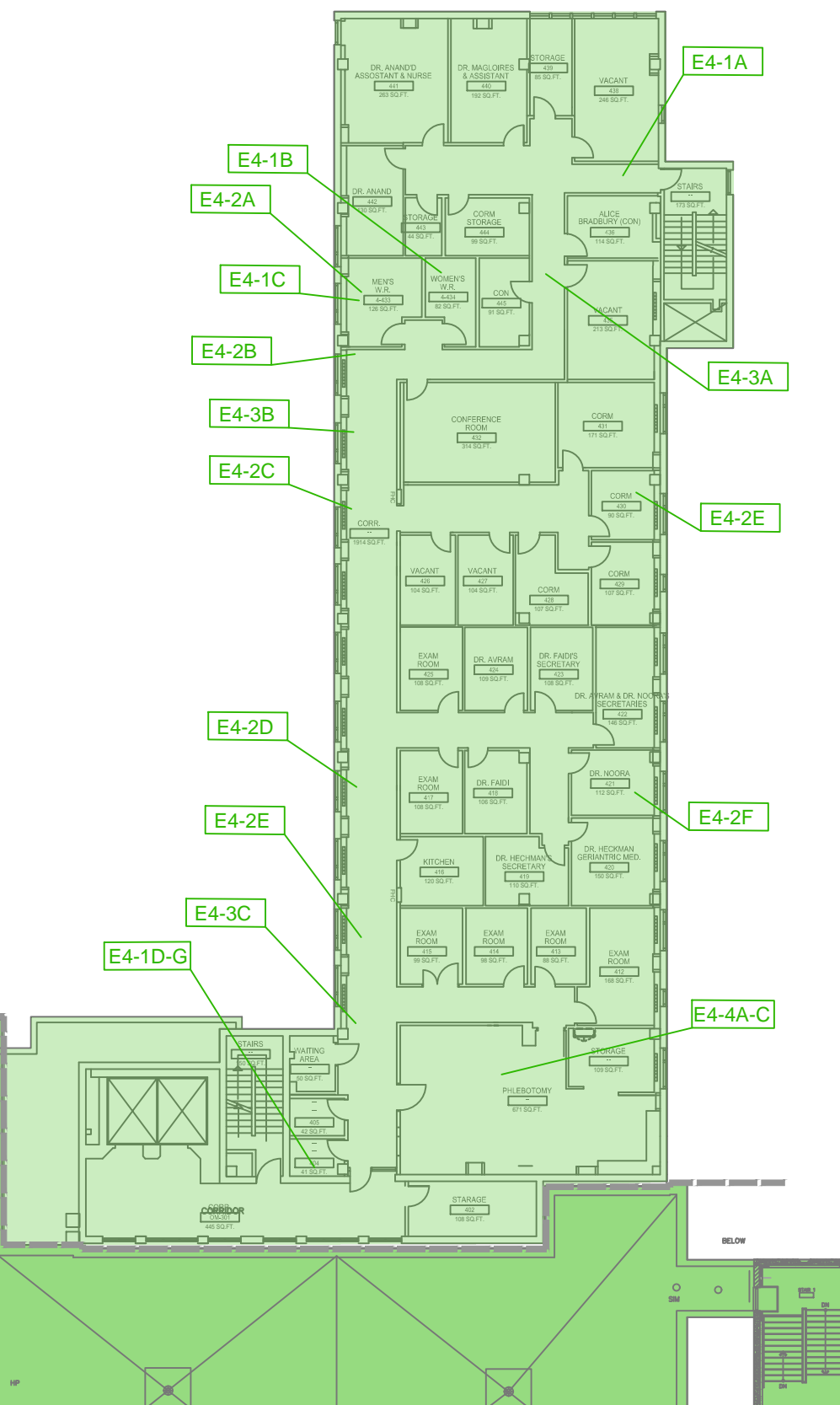
NORTH WING LEVEL 4



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EAST WING LEVEL 4



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCH DRAWINGS	GS
2	2/1/2013		COMPLETE DRAWING UPDATED	GS
3	3/1/2013		UPDATED	GS
4	4/1/2013		UPDATED	GS
5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
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8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

LEGEND - CEILING

- ACM PRESENT
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWINGS:
EAST WING AND NORTH WING LEVEL 4
ACM ON CEILINGS

PLOT DATE:	DEPARTMENT: ENGINEERING
SCALE: N.T.S.	SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARGO MENDOZA	FILE NAME: RA-04C East Wing and North Wing Level 4
DRAWING NO.:	

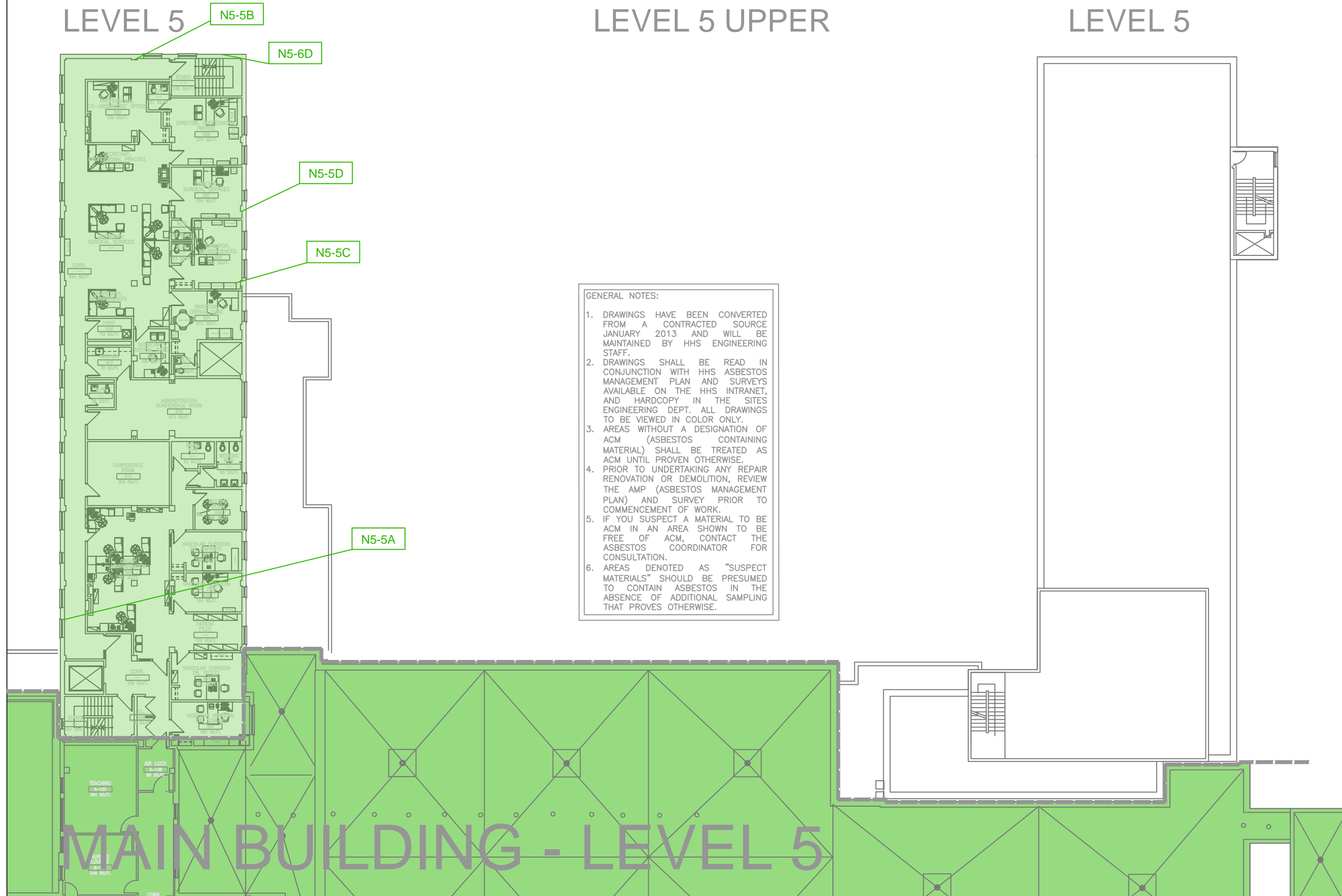
RA-04C

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)

NORTH WING LEVEL 5

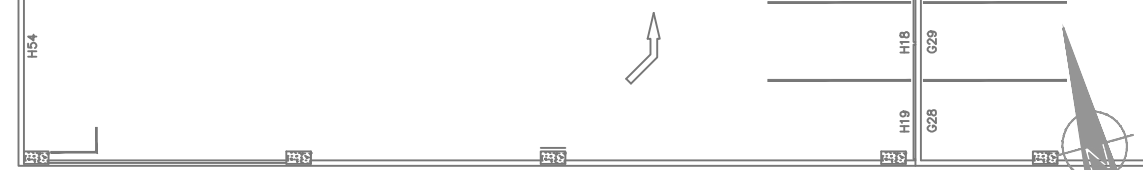
NORTH WING LEVEL 5 UPPER

EAST WING LEVEL 5



GENERAL NOTES:

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4	4/1/2013		UPDATED	GS
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- LEGEND - WALLS**
- ACM PRESENT IN DRYWALL JOINT COMPOUND AND/OR PLASTER
 - SUSPECT ACM
 - NO ACM PRESENT
 - ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

Hamilton Health Sciences
ENGINEERING SERVICES

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 5
ACM ON WALLS

PLOT DATE: _____ DEPARTMENT: ENGINEERING
SCALE: N.T.S. SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARCO MENDOZA FILE NAME: RA-05 East Wing and North Wing Level 5
DRAWING NO. 5-rev01

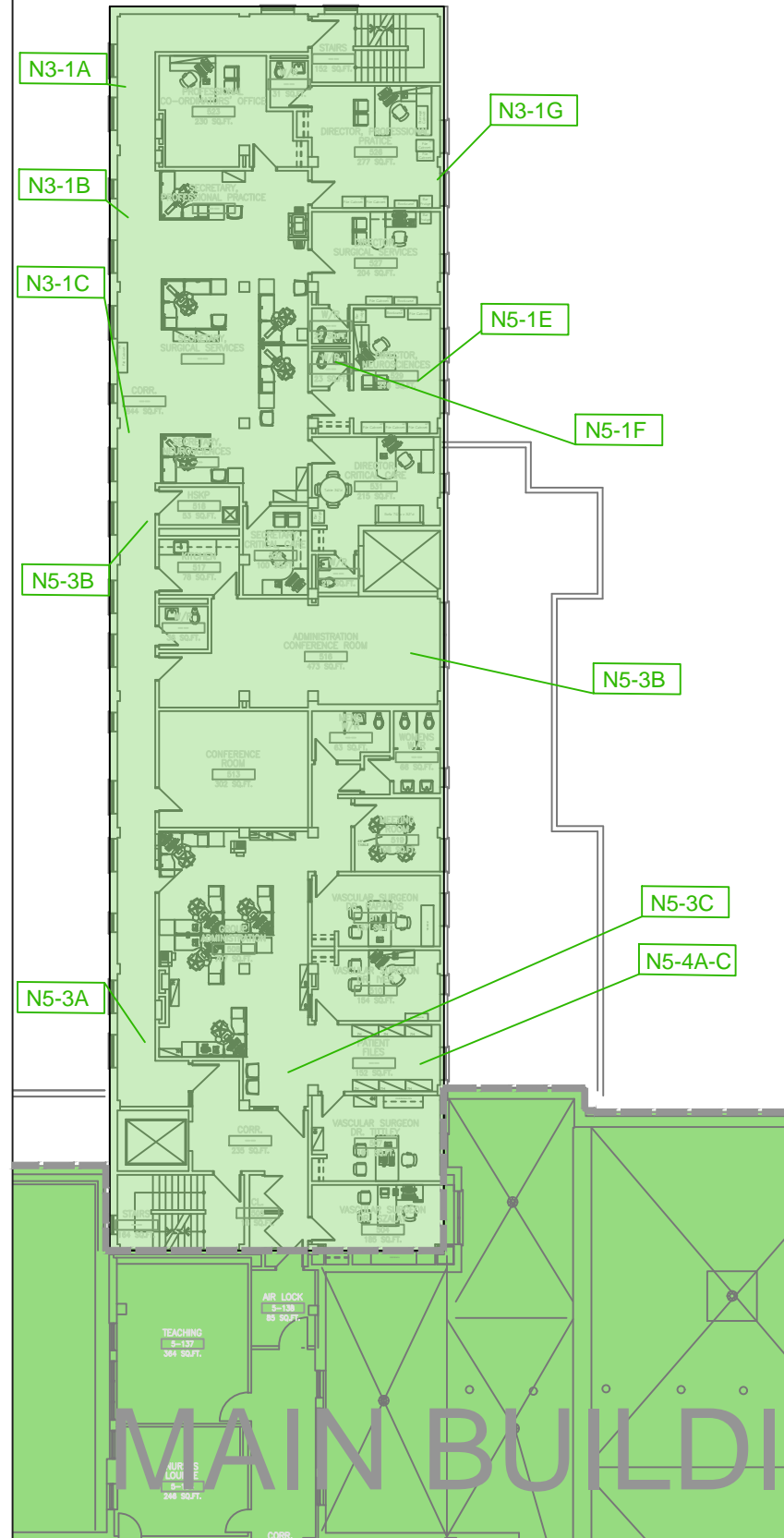
RA-05B

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)

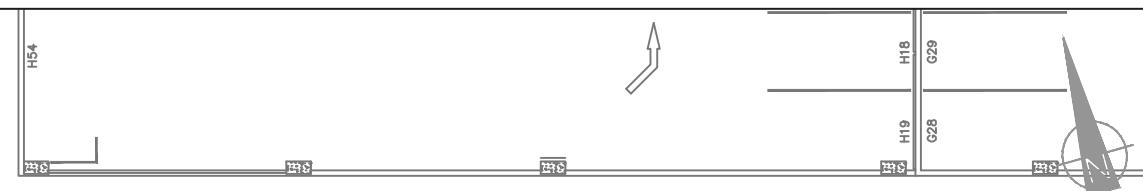
NORTH WING LEVEL 5

NORTH WING LEVEL 5 UPPER

EAST WING LEVEL 5



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KEY PLAN N.T.S.

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10	6/15/2017		UPDATED by ECOH	JK

LEGEND - CEILING

- ACM PRESENT
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

PROJECT:
HAMILTON GENERAL HOSPITAL -
237 BARTON ST. EAST, ASBESTOS
MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING
LEVEL 5
ACM ON CEILING

PLOT DATE: _____ DEPARTMENT:
ENGINEERING

SCALE: N.T.S. SUPERVISOR:
DUSTIN COPELAND

DRAWN BY: MARCO MENDOZA FILE NAME:
RA-05C-East Wing and North Wing Le
5_upper

DRAWING NO. _____

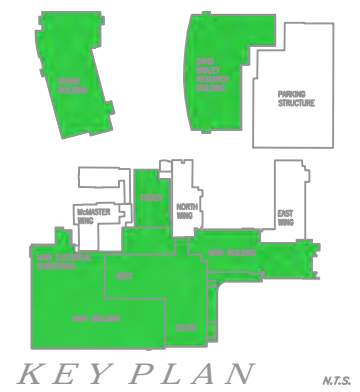
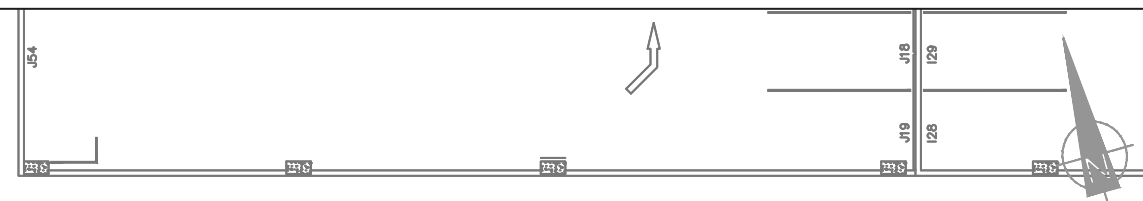
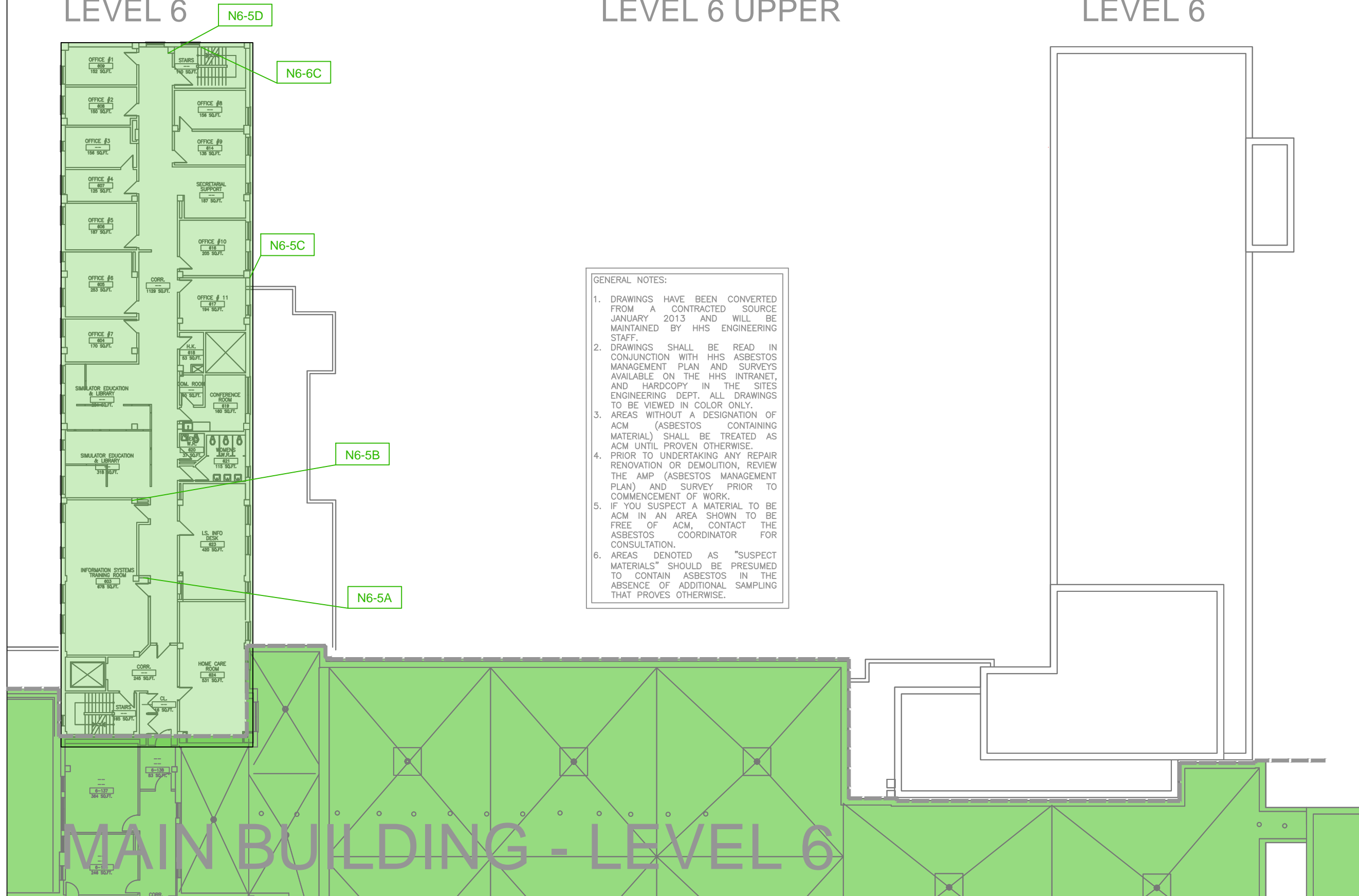
RA-05C

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)

NORTH WING LEVEL 6

NORTH WING LEVEL 6 UPPER

EAST WING LEVEL 6



NO.	DATE	M/D/Y	REVISIONS	BY
1	1/2/2013		CONVERSION FROM PINCHIN DRAWINGS	GS
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5	5/1/2013		UPDATED - SHEET MODIFIED	GS
6	6/1/2013		UPDATED	GS
7	7/1/2013		UPDATED	GS
8	6/17/2015		UPDATED	RM
9	3/31/2016		UPDATED by ECOH	MM
10	6/15/2017		UPDATED by ECOH	JK

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LEGEND - WALLS

- ACM PRESENT IN DRYWALL JOINT COMPOUND AND/OR PLASTER
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWINGS:
EAST WING AND NORTH WING LEVEL 6 ACM ON WALLS

DEPARTMENT: ENGINEERING
SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARCO MENDOZA
FILE NAME: RA-06 East Wing and North Wing Le

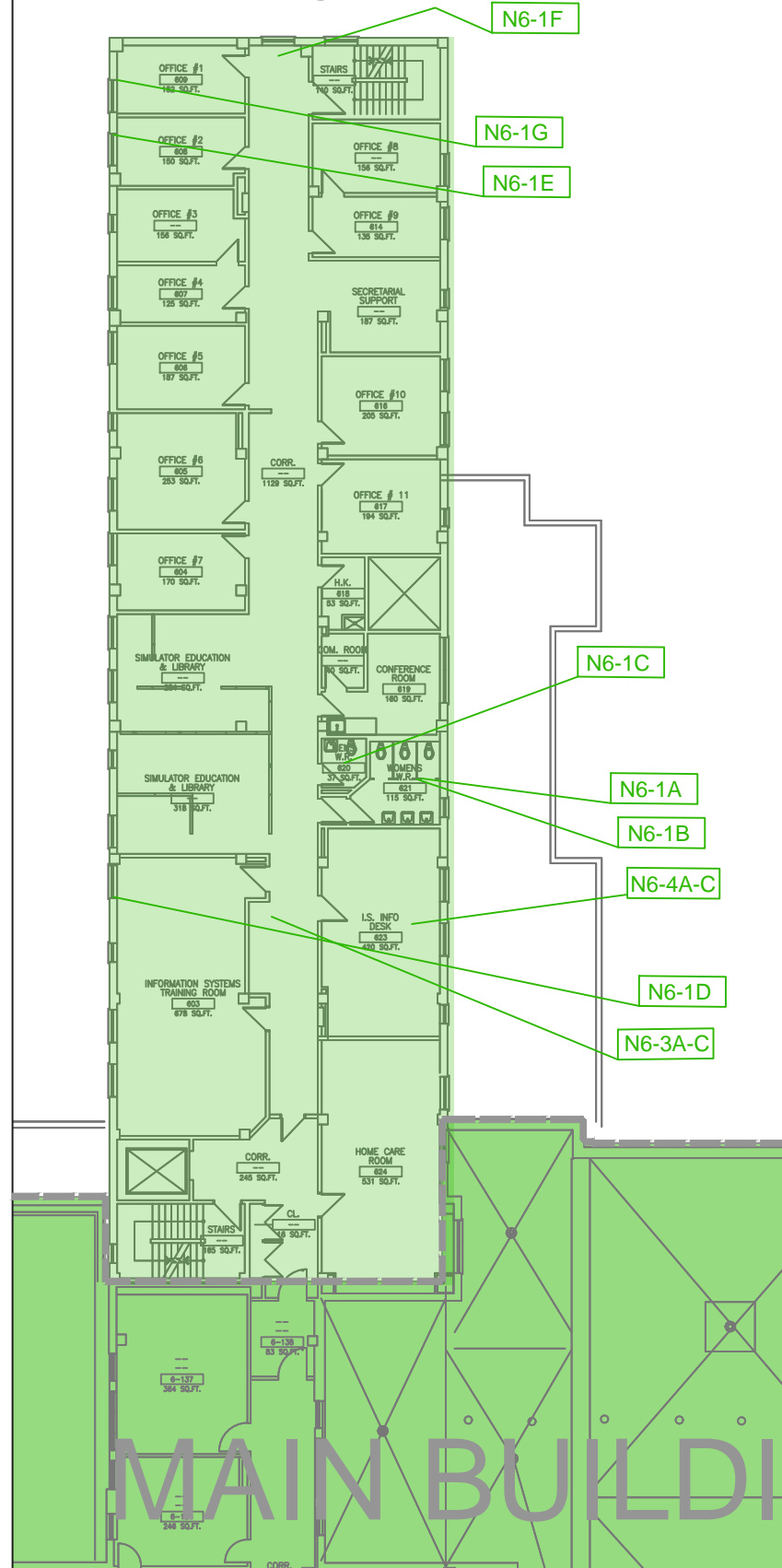
RA-06B

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)

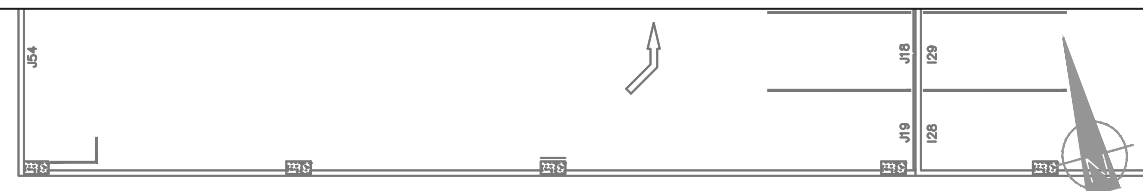
NORTH WING LEVEL 6

NORTH WING LEVEL 6 UPPER

EAST WING LEVEL 6



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LEGEND - CEILING

- ACM PRESENT
- SUSPECT ACM
- NO ACM PRESENT
- ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWINGS:
EAST WING AND NORTH WING LEVEL 6
ACM ON CEILINGS

PLOT DATE:	DEPARTMENT: ENGINEERING
SCALE: N.T.S.	SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARGO MENDOZA	FILE NAME: RA-06 East Wing and North Wing Le
DRAWING NO.	

RA-06C

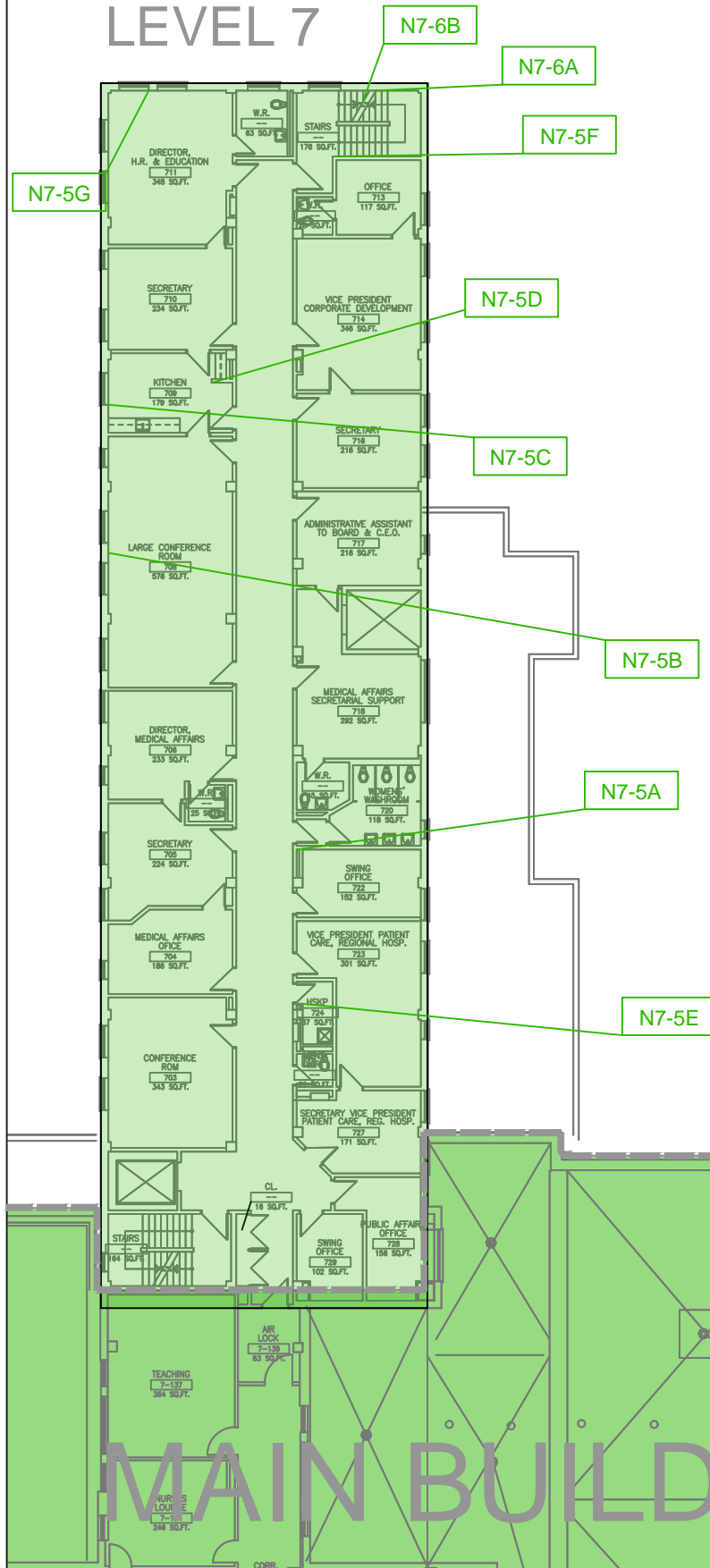
MAIN BUILDING - LEVEL 6

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)

NORTH WING LEVEL 7

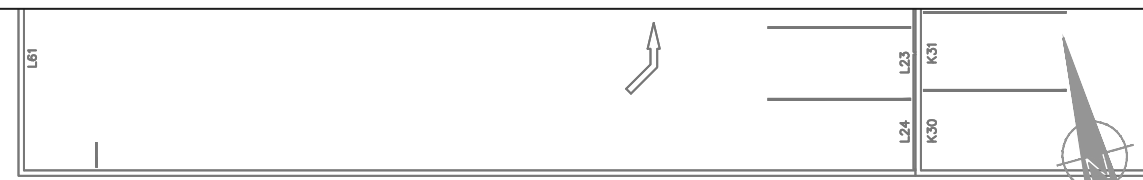
NORTH WING LEVEL 7 UPPER

EAST WING LEVEL 7



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- ACM PRESENT IN DRYWALL JOINT COMPOUND AND/OR PLASTER
 - SUSPECT ACM
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GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 7 ACM ON WALLS

PLOT DATE: _____ DEPARTMENT: ENGINEERING
SCALE: N.T.S. SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARCO MENDOZA FILE NAME: RA-07 East Wing and North Wing Le
DRAWING NO. _____

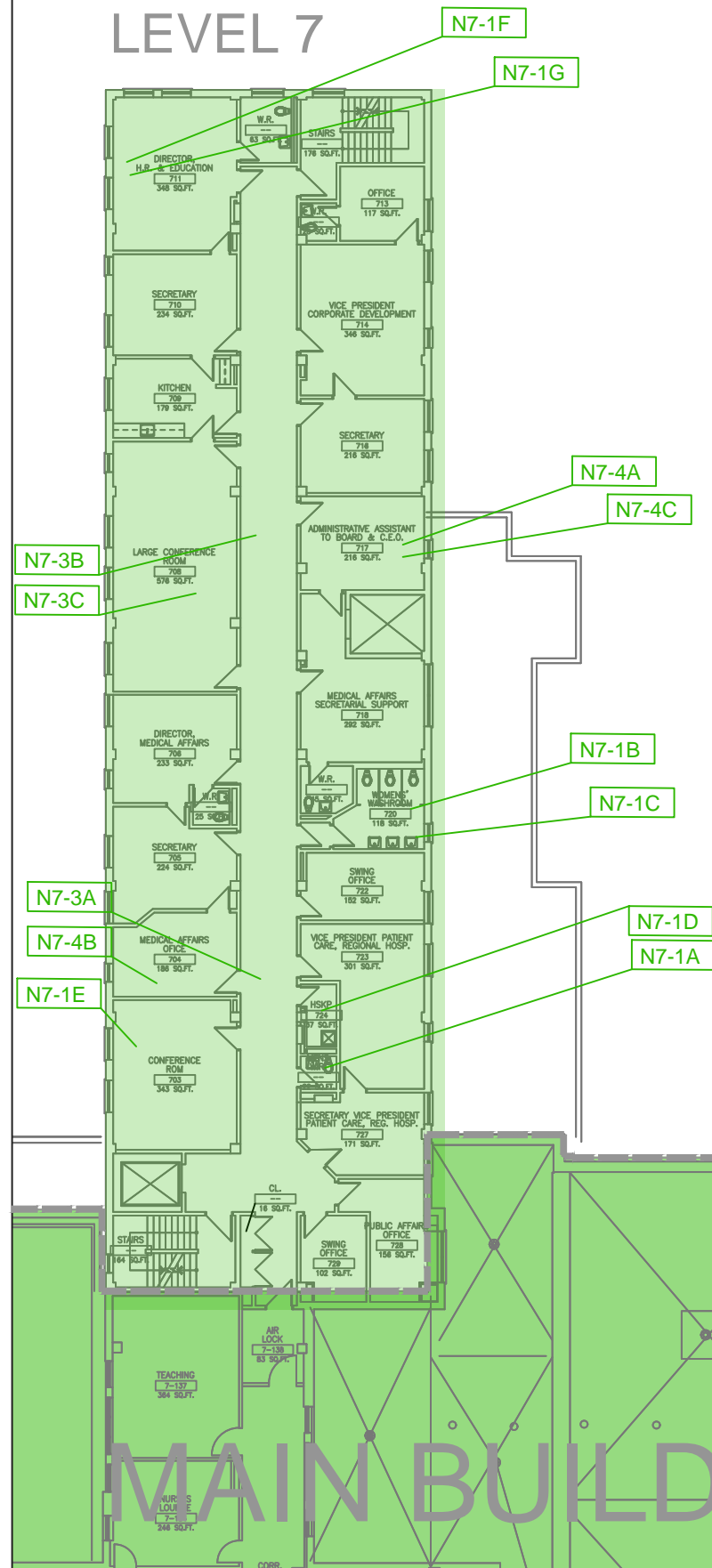
RA-07B

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) = 610mm x 914mm (METRIC)

NORTH WING LEVEL 7

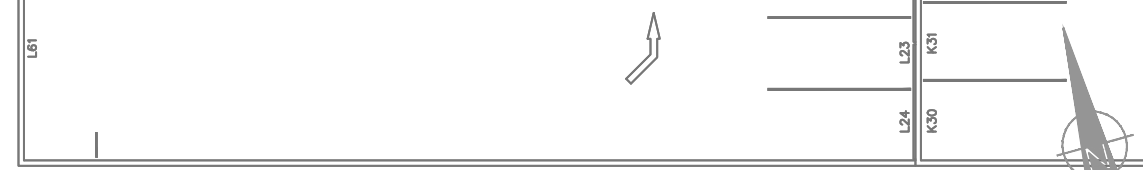
NORTH WING LEVEL 7 UPPER

EAST WING LEVEL 7



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LEGEND -- CEILING

	ACM PRESENT
	SUSPECT ACM
	NO ACM PRESENT
	ACM ABATED AREA AS PER HHS RECORDS

GENERAL SITE

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 7
ACM ON CEILINGS

PLOT DATE:	DEPARTMENT: ENGINEERING
SCALE: N.T.S.	SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARGO MENDOZA	FILE NAME: RA-07 East Wing and North Wing Le
DRAWING NO.	

RA-07C

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) = 610mm x 914mm (METRIC)

MAIN BUILDING - LEVEL 7

NORTH WING LEVEL 8

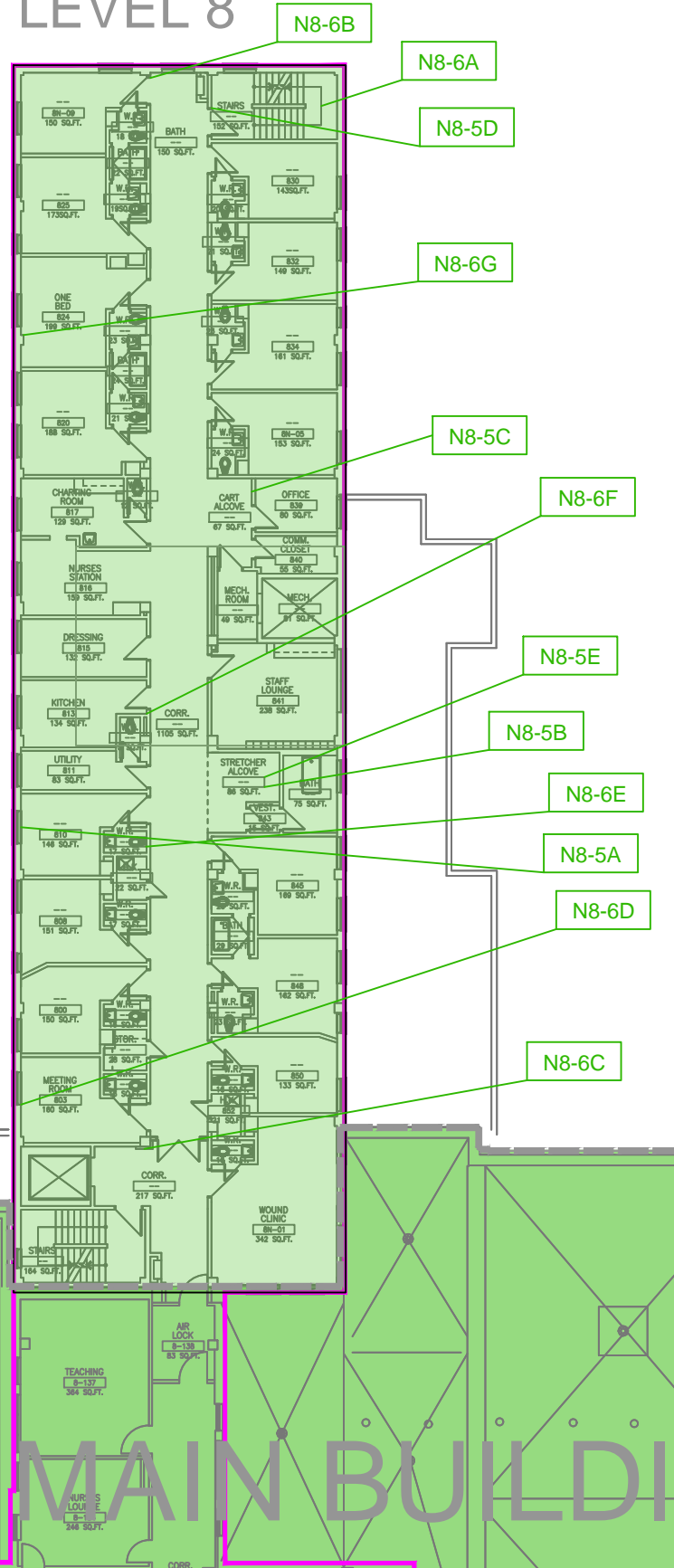
NORTH WING LEVEL 8 UPPER

EAST WING LEVEL 8



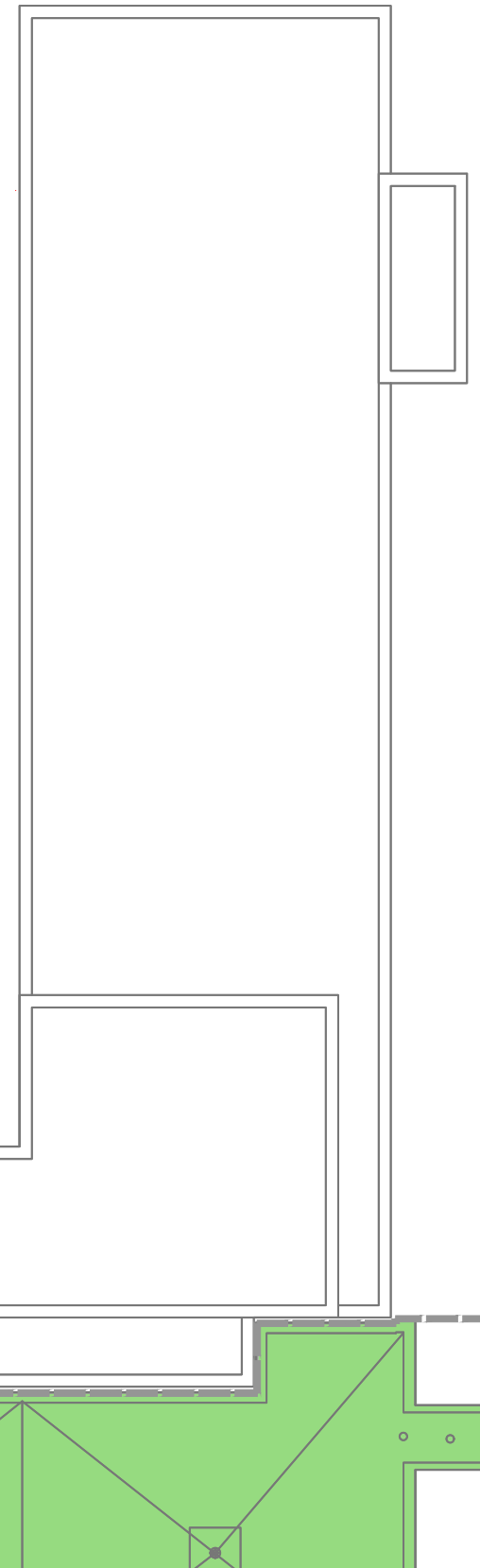
KEY PLAN N.T.S.

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GENERAL SITE

PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 8 ACM ON WALLS

PLOT DATE: DEPARTMENT: ENGINEERING
SCALE: N.T.S. SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARCO MENDOZA FILE NAME: RA-08 East Wing and North Wing Le
DRAWING NO.

RA-08B

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) = 610mm x 914mm (METRIC)

MAIN BUILDING - LEVEL 8

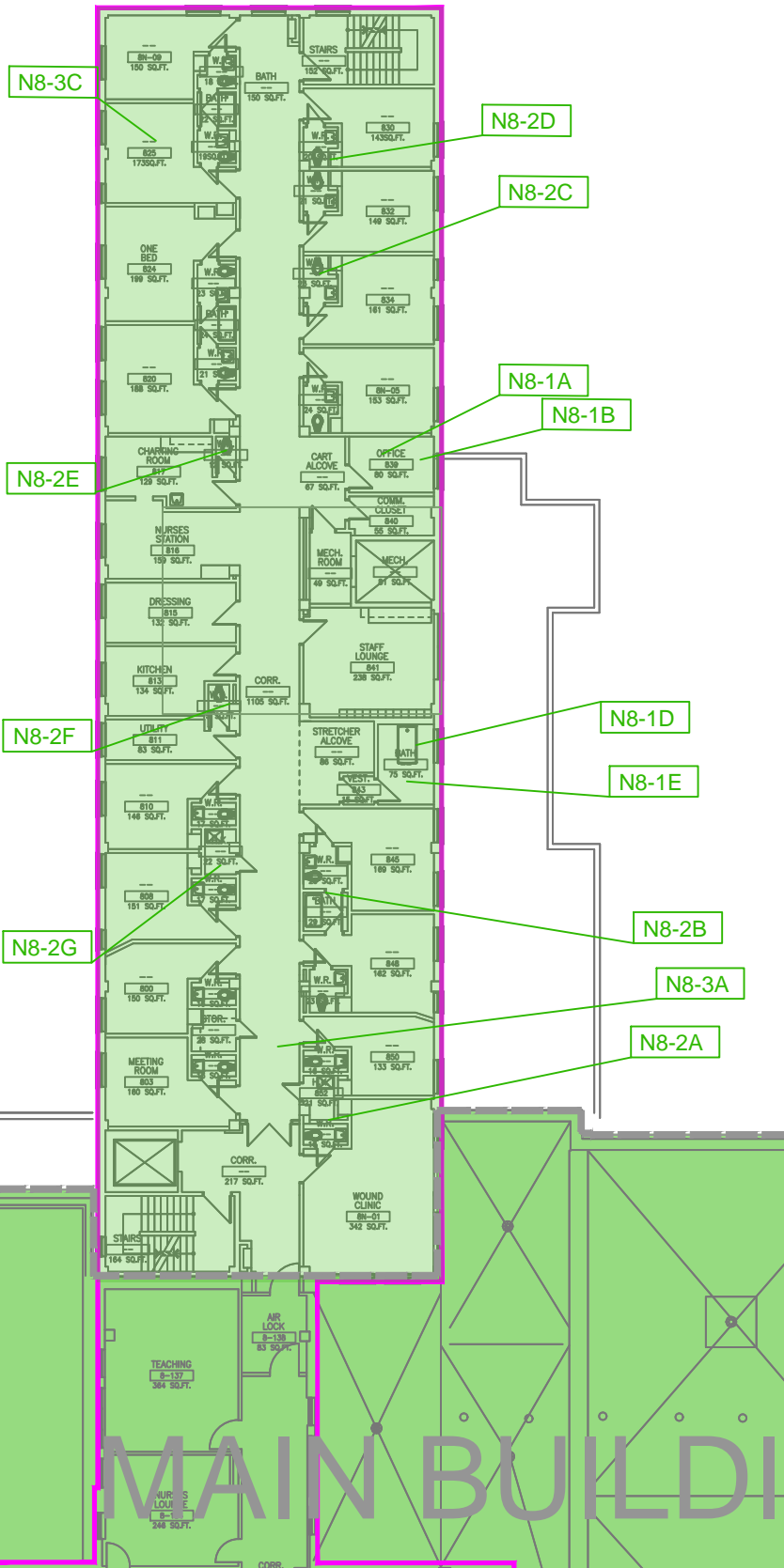
NORTH WING LEVEL 8

NORTH WING LEVEL 8 UPPER

EAST WING LEVEL 8



KEY PLAN N.T.S.



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GENERAL SITE



PROJECT:
HAMILTON GENERAL HOSPITAL - 237 BARTON ST. EAST, ASBESTOS MANAGEMENT PLAN AND SURVEY

DRAWING:
EAST WING AND NORTH WING LEVEL 8
ACM ON CEILINGS

PLOT DATE:	DEPARTMENT: ENGINEERING
SCALE: N.T.S.	SUPERVISOR: DUSTIN COPELAND
DRAWN BY: MARGO MENDOZA	FILE NAME: RA-08 East Wing and North Wing Le
DRAWING NO.	

RA-08C

SHEET SIZE = ARCH D - 24" x 36" (IMPERIAL) - 610mm x 914mm (METRIC)

MAIN BUILDING - LEVEL 8

ATTACHMENT 3

CEILING TILE INDEX






TABLE V Summary of Ceiling Tiles (CT)				
MIN	Description	Sample Number	Results	Photograph
CT1	2' x 4' Pinholes w/ Small Fissures	17429- HG-E1- 03A to 03C	None Detected	
CT2	2' x 4' Pinholes w/ Medium Fissures	17429- HG-E4 - 04A to 04C	None Detected	
CT3	2' x 2' Small and Large Pinholes	17429- HG-E3- 04A to 04C	None Detected	






TABLE V Summary of Ceiling Tiles (CT)				
MIN	Description	Sample Number	Results	Photograph
CT4	2' x 4' Pinholes and Clustered Flecks	17429- HG-N2- 03A to 03B	None Detected	
CT5	2' x 4' Textured w/ Tiny Pinholes	17429- HG-N3L- 04A to 04C	None Detected	
CT6	2' x 4' Pinholes and Flecks	17429- HG-N6- 04A to 04C	None Detected	









TABLE V Summary of Ceiling Tiles (CT)				
MIN	Description	Sample Number	Results	Photograph
CT7	2' x 2' Pinhole w/ Medium Fissures	17429- HG-N7- 04A to 04C	None Detected	
CT8	2' x 2' Ceiling Tile	17429- HG-JR1- 03A to 03C	None Detected	
CT9	1' x 1' Small and Medium Pinholes	17429- HG-MC0- 04A to 04C	None Detected	



TABLE V Summary of Ceiling Tiles (CT)				
MIN	Description	Sample Number	Results	Photograph
CT10	1' x 1' Glue-on Medium and Small Pinholes	17429- HG-MC2- 04A to 04C	5-6% Amosite	
CT11	2' x 4' Small Flecks and Small Pinholes	17429- HG-PGO- 03A to 03C	None Detected	
CT12	1' x 1' Glue-on Scattered Dot and Fissure Pattern	Previously Sampled in 2008	0.5-5% Chrysotile 5-10% Amosite	

**Asbestos Bulk and Air Sample Analysis Report
Hamilton General Hospital – McMaster Wing
237 Barton Street East, Hamilton, Ontario
ECOH Project Number: 14457**

Asbestos Bulk Sample Analysis:

As per the requirements of Ontario Regulation 278/05, multiple samples (ranging from 1 to 7 depending on quantity and type of material) are required to confirm the absence of asbestos in a given material. Only one positive result (i.e. confirming the presence of asbestos) is required to classify a material as asbestos-containing. However, for the purposes of this assessment all samples were analysed for asbestos content and “stop positive” analysis was not completed as per the request of the Client, Hamilton Health Sciences. Sampling requires a small volume of material to be either removed from a damaged section of suspect material or to be cut from intact material and then repaired, where practicable, by sealing with tape to prevent fibre release. The collected samples were placed in plastic bags and sealed during shipment to an independent laboratory. A formal chain of custody procedure was maintained between ECOH and the sub-contract laboratory during sample transport.

Scientific Analytical Institute (SAI), an independent commercial laboratory, analyzed the bulk sample(s) collected. Analysis of these sample(s) followed analytical methods prescribed by Ontario Regulation 278/05, Designated Substance – *Regulation respecting Asbestos on Construction Projects and in Buildings and Repair Operations – made under the Occupational Health and Safety Act*. The analytical method prescribed is the U.S. Environmental Protection Agency Test Method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, June 1993, using Polarized Light Microscopy (PLM). Although not required by provincial regulation, all laboratories used by ECOH are accredited under the U.S. National Voluntary Laboratory Accreditation Program (NVLAP) to ensure consistent, accurate and defensible results.

Analysis Results:

TABLE 2			
Summary of Asbestos Analysis of Bulk Samples			
Sample Number	Sample Location	Sample Description	Results
14457-ASB-101A	1 st Floor, Margaret Charters (MC) Auditorium	Wall Plaster	ND
14457-ASB-101B	1 st Floor, Margaret Charters (MC) Auditorium	Wall Plaster	ND
14457-ASB-101C	1 st Floor, Margaret Charters Kitchen	Wall Plaster	ND
14457-ASB-101D	1 st Floor, Board Room	Wall Plaster	ND
14457-ASB-101E	1 st Floor, Room 113	Wall Plaster	ND
14457-ASB-101F	1 st Floor, Room 114	Wall Plaster	ND
14457-ASB-101G	1 st Floor, Corridor outside MC Auditorium	Wall Plaster	ND
14457-ASB-102A	1 st Floor, Corridor North of MC Auditorium	Ceiling Plaster	ND
14457-ASB-102B	1 st Floor, Room 118	Ceiling Plaster	ND

**Asbestos Bulk and Air Sample Analysis Report
Hamilton General Hospital – McMaster Wing
237 Barton Street East, Hamilton, Ontario
ECOH Project Number: 14457**

TABLE 2			
Summary of Asbestos Analysis of Bulk Samples			
Sample Number	Sample Location	Sample Description	Results
14457-ASB-202A	2 nd Floor, Room 241A	Ceiling Plaster	ND
14457-ASB-202B	2 nd Floor, Corridor 200	Ceiling Plaster	ND
14457-ASB-202C	2 nd Floor, Room 244	Ceiling Plaster	ND
14457-ASB-202D	2 nd Floor, Room 249	Ceiling Plaster	ND
14457-ASB-202E	2 nd Floor, Corridor 200	Ceiling Plaster	ND
14457-ASB-202F	2 nd Floor, Corridor 200	Ceiling Plaster	ND
14457-ASB-202G	2 nd Floor, Room 257	Ceiling Plaster	ND
14457-ASB-203A	2 nd Floor, Room 250	Drywall Joint Compound	ND
14457-ASB-203B	2 nd Floor, Room 250	Drywall Joint Compound	ND
14457-ASB-203C	2 nd Floor, Room 251A	Drywall Joint Compound	ND
14457-ASB-203D	2 nd Floor, Room 251A	Drywall Joint Compound	ND
14457-ASB-203E	2 nd Floor, Room 251B	Drywall Joint Compound	ND
14457-ASB-203F	2 nd Floor, Room 251B	Drywall Joint Compound	ND
14457-ASB-203G	2 nd Floor, Room 251B	Drywall Joint Compound	ND
14457-ASB-204A	2 nd Floor, Room 241A	Debris on Ceiling Tiles	ND
14457-ASB-204B	2 nd Floor, Corridor 200	Debris on Ceiling Tiles	ND
14457-ASB-204C	2 nd Floor, Room 244	Debris on Ceiling Tiles	ND
14457-ASB-301A	3 rd Floor, Room 349	Wall Plaster	ND
14457-ASB-301B	3 rd Floor, Room 349	Wall Plaster	ND
14457-ASB-301C	3 rd Floor, Corridor 300	Wall Plaster	ND
14457-ASB-301D	3 rd Floor, Corridor 300	Wall Plaster	ND
14457-ASB-301E	3 rd Floor, Storage Room	Wall Plaster	ND
14457-ASB-301F	3 rd Floor, Storage Room	Wall Plaster	ND
14457-ASB-301G	3 rd Floor Corridor adjacent to Room 342	Wall Plaster	ND
14457-ASB-302A	3 rd Floor Corridor adjacent to Room	Ceiling Plaster	ND

**Asbestos Bulk and Air Sample Analysis Report
Hamilton General Hospital – McMaster Wing
237 Barton Street East, Hamilton, Ontario
ECOH Project Number: 14457**

TABLE 2			
Summary of Asbestos Analysis of Bulk Samples			
Sample Number	Sample Location	Sample Description	Results
14457-ASB-401G	4 th Floor, Conference Room	Wall Plaster	ND
14457-ASB-402A	4 th Floor Corridor adjacent to Room 427	Ceiling Plaster	ND
14457-ASB-402B	4 th Floor, Kitchen	Ceiling Plaster	ND
14457-ASB-402C	4 th Floor Corridor adjacent to Room 428	Ceiling Plaster	ND
14457-ASB-402D	4 th Floor, Conference Room	Ceiling Plaster	ND
14457-ASB-402E	4 th Floor, Conference Room	Ceiling Plaster	ND
14457-ASB-402F	4 th Floor, Room 436	Ceiling Plaster	ND
14457-ASB-402G	4 th Floor, Room 421	Ceiling Plaster	ND
14457-ASB-403A	4 th Floor, Conference Room	Drywall Joint Compound	ND
14457-ASB-403B	4 th Floor, Conference Room	Drywall Joint Compound	ND
14457-ASB-403C	4 th Floor Corridor adjacent to Room 427	Drywall Joint Compound	ND
14457-ASB-403D	4 th Floor Corridor adjacent to Room 402	Drywall Joint Compound	ND
14457-ASB-403E	4 th Floor, Room 432	Drywall Joint Compound	ND
14457-ASB-403F	4 th Floor, Kitchen	Drywall Joint Compound	ND
14457-ASB-403G	4 th Floor, Kitchen	Drywall Joint Compound	ND
14457-ASB-404A	4 th Floor Corridor adjacent to Room 428	Debris on Ceiling Tiles	ND
14457-ASB-404B	4 th Floor Corridor adjacent to Room 434	Debris on Ceiling Tiles	ND
14457-ASB-404C	4 th Floor Corridor adjacent to Room 421	Debris on Ceiling Tiles	ND
14457-ASB-501A	5 th Floor Corridor adjacent to Elevator	Wall Plaster	ND
14457-ASB-501B	5 th Floor Corridor adjacent to Room 515	Wall Plaster	ND
14457-ASB-501C	5 th Floor Corridor adjacent to Room 511	Wall Plaster	ND

**Asbestos Bulk and Air Sample Analysis Report
Hamilton General Hospital – McMaster Wing
237 Barton Street East, Hamilton, Ontario
ECOH Project Number: 14457**

TABLE 2
Summary of Asbestos Analysis of Bulk Samples

Sample Number	Sample Location	Sample Description	Results
	517		
14457-ASB-601A	6 th Floor Corridor adjacent to Room 622	Wall Plaster	ND
14457-ASB-601B	6 th Floor, Data Communication Room	Wall Plaster	ND
14457-ASB-601C	6 th Floor, Room 611	Wall Plaster	ND
14457-ASB-601D	6 th Floor, Room 614	Wall Plaster	ND
14457-ASB-601E	6 th Floor Corridor adjacent to Room 606	Wall Plaster	ND
14457-ASB-601F	6 th Floor Corridor adjacent to Room 606	Wall Plaster	ND
14457-ASB-601G	6 th Floor, Room 605	Wall Plaster	ND
14457-ASB-602A	6 th Floor, Room 624	Ceiling Plaster	ND
14457-ASB-602B	6 th Floor, Data Communication Room	Ceiling Plaster	ND
14457-ASB-602C	6 th Floor, Data Communication Room	Ceiling Plaster	ND
14457-ASB-602D	6 th Floor, Room 614	Ceiling Plaster	ND
14457-ASB-602E	6 th Floor, Room 614	Ceiling Plaster	ND
14457-ASB-602F	6 th Floor, Room 605	Ceiling Plaster	ND
14457-ASB-602G	6 th Floor, Room 605	Ceiling Plaster	ND
14457-ASB-603A	6 th Floor Corridor adjacent to East Elevator	Drywall Joint Compound	1% Chrysotile
14457-ASB-603B	6 th Floor Corridor adjacent to East Elevator	Drywall Joint Compound	1% Chrysotile
14457-ASB-603C	6 th Floor Corridor adjacent to East Elevator	Drywall Joint Compound	1% Chrysotile
14457-ASB-603D	6 th Floor Corridor adjacent to East Elevator	Drywall Joint Compound	1% Chrysotile
14457-ASB-603E	6 th Floor Corridor adjacent to East Elevator	Drywall Joint Compound	ND
14457-ASB-603F	6 th Floor Corridor adjacent to East Elevator	Drywall Joint Compound	1% Chrysotile

Asbestos Bulk and Air Sample Analysis Report
Hamilton General Hospital – McMaster Wing
237 Barton Street East, Hamilton, Ontario
ECOH Project Number: 14457

TABLE 2			
Summary of Asbestos Analysis of Bulk Samples			
Sample Number	Sample Location	Sample Description	Results
14457-ASB-703D	7 th Floor, Storage Room	Drywall Joint Compound	ND
14457-ASB-703E	7 th Floor, File Storage Room	Drywall Joint Compound	1% Chrysotile
14457-ASB-703F	7 th Floor, Storage Room	Drywall Joint Compound	ND
14457-ASB-703G	7 th Floor, Lobby adjacent to Room 702	Drywall Joint Compound	ND
14457-ASB-704A	7 th Floor, Waiting Area	Debris on Ceiling Tiles	ND
14457-ASB-704B	7 th Floor Corridor adjacent to 703	Debris on Ceiling Tiles	ND
14457-ASB-704C	7 th Floor Corridor adjacent to 725	Debris on Ceiling Tiles	ND
14457-ASB-801A	Basement, Room B02	Wall Plaster	ND
14457-ASB-801B	Basement, Room B02	Wall Plaster	ND
14457-ASB-801C	Basement, Mechanical Room B	Wall Plaster	ND
14457-ASB-801D	Basement, Mechanical Room B	Wall Plaster	ND
14457-ASB-801E	Basement Auditorium	Wall Plaster	ND
14457-ASB-801F	Basement Auditorium	Wall Plaster	ND
14457-ASB-801G	Basement, Lobby	Wall Plaster	ND
14457-ASB-802A	Basement, Room B02	Ceiling Plaster	ND
14457-ASB-802B	Basement, Corridor B	Ceiling Plaster	ND
14457-ASB-802C	Basement, Mechanical Room B	Ceiling Plaster	ND
14457-ASB-802D	Basement, Room B16	Ceiling Plaster	ND
14457-ASB-802E	Basement, Room B05	Ceiling Plaster	ND
14457-ASB-802F	Basement, Corridor B across from B02	Ceiling Plaster	ND
14457-ASB-802G	Basement, Corridor B across from B02	Ceiling Plaster	ND
14457-ASB-803A	Basement, Mechanical Room B	Drywall Joint Compound	ND
14457-ASB-803B	Basement, Mechanical Room B	Drywall Joint Compound	ND

APPENDIX V
Methodology

1.0 METHODOLOGY

Pinchin inspects the current condition of all accessible asbestos-containing materials (ACM) identified in the most recent assessments. The review of the interstitial spaces at MUMC will be very limited and will not include all areas. The surveyor makes reference to any existing assessment reports and information provided by the Client regarding any newly identified ACM.

The re-assessments exclude the following:

- Articles belonging to the owner, tenant or occupant (e.g. stored items, furniture, appliances, etc.);
- Underground materials or equipment (e.g. vessels, drums, underground storage tanks, pipes, etc.);
- Building envelope, structural components, inaccessible or concealed materials or other items where sampling may cause consequential damage to the property.
- Energized systems (e.g. internal boiler components, elevators, mechanical or electrical components);
- Controlled products (e.g. stored chemicals, operational or process-related substances); and
- Materials not typically associated with construction (e.g. settled dust, spills, residual contamination from prior spills, etc.).

As per the original or previous assessments, concealed locations such as ceiling spaces above solid ceilings, shafts and chases are accessed via existing access panels. Our investigation does not include demolition of drywall or plaster walls to view concealed conditions. Structural items or exterior building finishes are not removed to determine the presence of concealed materials.

Existing sampling data is relied upon. The location of any additional asbestos bulk samples that are required to be collected is recorded on small scale plans. The number of asbestos bulk samples obtained, when sampling is required, is in compliance with the requirements of Table 1 of O.Reg. 278/05.

2.0 INFECTION CONTROL

Pinchin will follow the facility's infection control policy and procedures while performing the assessments.

The Client should communicate this proposal and the scope of the assessments to the facility's Infection Control Department and the JHSC for their review so that they are aware that the procedures for infection control during assessments will be met.

Construction of polyethylene enclosures to access ceiling spaces, and the cost for these, if required, is not included.

3.0 ANALYSIS AND IDENTIFICATION OF ASBESTOS MATERIALS

Pinchin relies on the analytical results of prior surveys. Asbestos bulk samples (if required) will be analyzed at an independent NVLAP accredited laboratory. Preliminary identification of asbestos fibres will be made using polarized light microscopy, with confirmation of the presence and type of asbestos made by dispersion staining optical microscopy. The analysis will be performed in accordance with Test Method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, June 1993. All independent laboratories used by Pinchin, including our laboratory, are certified under the National Voluntary Laboratory Accreditation Program (NVLAP) to perform asbestos analysis of bulk samples.

In Ontario an ACM is defined as materials containing 0.5% or more asbestos by weight.

The asbestos analysis is completed using a stop positive approach. Only one result meeting the above regulated criteria is required to determine that a material is asbestos-containing, but all samples must be analyzed to conclusively determine that a material is non-asbestos. The laboratory stops analyzing samples from a homogeneous material once a result equal to or greater than the regulated criteria is detected in any of the samples of that material. All samples of a homogeneous material are analyzed if no asbestos is detected. In some cases, all samples are analyzed in the sample set regardless of result. Where building materials are described in the report as non-asbestos, this means that either no asbestos was detected by the analytical method utilized in any of the multiple samples or, if detected, it is below the lower limit of an asbestos-containing material in the applicable regulation.

Asbestos materials are evaluated in order to make recommendations regarding remedial work. The priority for remedial action is based on several factors:

- Friability (friable or non-friable).
- Condition (good, fair, poor, debris).
- Accessibility (ranking from accessible to all building users to inaccessible).
- Visibility (whether the material is obscured by other building components).
- Efficiency of the work (for example, if damaged ACM is being removed in an area, it may be most practical to remove all ACM in the area even if it is in good condition).

Master Template: Methodology Document for Asbestos Re-Assessment, HAZ, July 21, 2017