DURHAM CATHOLIC DISTRICT SCHOOL BOARD
Learning and Living in Faith

T26-08 Universal Washroom Additions Two (2) Schools - St. James and St. John the Evangelist Catholic School
Addendum No 2

Closing Date Revised: Wednesday, April 29, 2026 2:00 PM

Addendum Date: Wednesday, April 22, 2026

Issued by: Purchasing Services
Durham Catholic District School Board

This addendum will form a part of the bid documents for the above noted Bid and shall be read in conjunction herewith. This addendum will take precedence over all requirements of the original bid documents and any addenda issued previously.

Bidders shall acknowledge receipt of this addendum with their electronic bid submission on the declaration page in the bidding system.

REVISION:

Submission Deadline revised to April 29, 2026 @ 2:00 p.m. EST

ADDITIONAL INFORMATION:

Updated DSS reports and drawings are attached to this addendum:
St. James CES Washroom Upgrades DSS Report
St. James Electrical Drawing Addendum 2 ME-2
St. James Mechanical drawings Addendum 2 ME- 2

St. John the Evangelist CES Washroom Upgrades DSS Report
St. John Electrical Drawing Addendum 2 ME-2
St. John Mechanical drawings Addendum 2 ME-1

St. John Mechanical drawings Addendum 2 ME-2

QUESTIONS:

Question 1:

Is the expectation for existing concrete slab but be completely cut and removed within the new washrooms or only as required to complete plumbing scope? Both Locations

Answer 1:

Please note that the mechanical contractor must perform a floor scan to find the exact location of the existing underground sanitary lines and is only required to cut and remove the existing concrete slab as necessary to complete the plumbing scope. Refer to mechanical dwgs

Question 2:

St John - Please confirm scope of demo / mechanical works for existing millwork within adjacent office space.

Answer 2:

Remove and re-install the existing millwork on the new wall as required.

End of Addendum No 2

Durham Catholic District School Board
652 Rossland Road West
Oshawa, ON
L1J 8M7

April 13, 2026

Attention: Prasath Vinayagamoorthy P. Eng, CEM
Subject: Project-Specific, Pre-Renovation Designated Substances Survey
Universal Washroom Upgrades – St. James CES
10 Clover Ridge Drive West, Ajax, ON L1S 3E5

Englobe File No.: 02503602.001

1 Introduction

Englobe Corp. (Englobe) was retained by Durham Catholic District School Board (the Client) to conduct a Project-Specific, Pre-Renovation Designated Substances Survey (DSS) in support of the planned universal washroom upgrades project at St. James Catholic Elementary School located at 10 Clover Ridge Drive West, Ajax, Ontario (the Site).

This DSS has been prepared in response to the building owner's legal obligations under Section 30 of the Occupational Health and Safety Act (OHSA), R.S.O 1990, Chapter 0.1 (the Act). The Act defines Designated Substances that may be present within buildings or structures and sets forth regulations for managing and handling these Designated Substances. Section 30 of the Act requires that, prior to beginning a construction project, including building demolition or renovation, a document detailing the presence of these substances must be available to contractors and subcontractors requesting tenders or directly awarded the work.

2 Scope of Work

Englobe's scope of work included performing a DSS within accessible project-specific work areas. The survey work included the 11 Designated Substances listed in Section 30 of the Act. Designated Substances, as identified under the OHSA, are as follows:

- Acrylonitrile
- Arsenic
- Asbestos
- Benzene
- Coke Oven Emissions
- Ethylene Oxide
- Isocyanates
- Lead
- Mercury
- Silica
- Vinyl Chloride

Other Hazardous Materials that are not classified as Designated Substances, but were included as part of the survey and considered pertinent due to applicable regulations, best practice guidelines and/or potential risks to human health and/or the environment, are:

- Polychlorinated Biphenyls (PCBs)
- Halocarbons
- Mould
- Other hazardous materials, as deemed pertinent.

3 Methodology

3.1 Site Assessment

The field program for this survey was completed by Englobe on March 31, 2026. The purpose of the survey program was to identify Designated Substances and Hazardous Materials that may be disturbed during the reported renovation project which includes converting an existing washroom into a universal washroom. The survey was non-destructive in nature.

Prior to the assessment, the Client provided Englobe with the drawing titles “St. James Catholic School”, prepared by Regal Consulting Engineers Inc., dated March 2026. Based on the review of project-specific drawings provided, Englobe’s assessment was limited to Rooms 127 and Room 130.

Materials suspected of containing Designated Substances were visually identified based on the surveyor's knowledge of the historical composition of building products. Materials suspected of containing Designated Substances other than asbestos or lead (in paint and mortar) were identified by appearance, age, and knowledge of historical applications. Visual identification of materials suspected to contain asbestos, or lead (in paint and mortar) was supported by the collection and analysis of a limited number of representative samples, where applicable.

Project drawings are included in Appendix A. Photographs are included in Appendix B. Laboratory certificates of analysis are provided in Appendix C. Hazardous Materials Data Room by Room Sheets are included in Appendix D. A Statement of Limitations is included in Appendix E.

3.2 Asbestos-Containing Material Methodology

In Ontario, a material is defined as an Asbestos-Containing Material (ACM) if the material has a minimum asbestos content of 0.5 per cent (%) by dry weight, as per O. Reg. 278/05, *Designated Substance – Asbestos on Construction Projects and in Buildings and Repair Operations* enabled under the Act, as amended. ACMs can be divided into two categories: friable and non-friable material. A friable ACM is a material that can be crumbled, powdered, or pulverized by hand pressure and can readily release fibres when disturbed. Common applications of friable ACMs are sprayed or trowelled surfacing materials (e.g., sprayed fireproofing and textured coatings) as well as mechanical and thermal insulation. Non-friable materials are materials that will generally release fibres only when cut or shaped. Common non-friable ACMs include vinyl floor products, caulking applications, plaster, asbestos textile products and asbestos cement products (Transite). Some of these products may become friable with time or when disturbed.

Representative bulk samples of suspected ACMs were collected by Englobe during the site investigation. Samples were collected in order to meet the bulk sampling requirements stipulated in O. Reg. 278/05, as amended. The bulk samples were submitted to and analyzed by an accredited, third-party laboratory. All bulk asbestos samples collected by Englobe were analyzed using the regulated Ontario detection limit of 0.5%. Samples followed a stop-positive methodology, where the remaining samples in a series would not be analyzed if any one sample in the series had a concentration of asbestos greater than or equal to 0.5%.

3.3 Lead-Containing Material Methodology

With regards to lead in paint, although the Ontario Ministry of Labor, Training and Skills Development (MLTSD) has published a guideline for control of lead exposures on construction projects in Ontario, it does not include criteria for the classification of lead-paint. Instead, it uses presumed airborne lead concentrations for specific tasks as criteria for classifying work. The Environmental Abatement Council of Canada (EACC) has published the Lead Guideline for Construction, Renovation, Maintenance or Repair (October 2014). This document outlines that paints or surface coatings containing less than or equal to 0.1% lead by weight (1,000 ug/g or 1,000 mg/kg or 1,000 ppm lead) are considered low-level lead paints or surface coatings. If these materials (and the surfaces to which they are applied) are disturbed in a non-aggressive manner, performed using normal dust control procedures and are completed so that the Time Weighted Average (TWA) for Particles Not Otherwise Specified (PNOS) is not exceeded, then worker protection from the inhalation of lead is not required. For the purposes of this survey, paints and mortars having a lead concentration above 5,000 µg/g, between 5,000 µg/g and 1,000 µg/g and below 1,000 µg/g are considered lead-based, lead-containing and low-level lead paints/mortars, respectively.

Representative lead paint sample was collected and submitted by Englobe for lead content analysis. The lead in paint sample was submitted to and analyzed by an accredited, third-party laboratory. The lead in paint sample was analyzed using Inductively Coupled Plasma (ICP) - Optical Emission Spectroscopy (OES) in accordance with US EPA SW 846 Reference Method 6010.

3.4 Polychlorinated Biphenyl (PCB) Containing Equipment Methodology

PCBs, also known as Chlorobiphenyls, are hazardous chemicals which were used in the manufacturing of a variety of equipment, such as electrical equipment, heat exchangers, hydraulic systems, and for several other specialized applications. PCBs are commonly found within electrical ballasts manufactured prior to 1981, found within fluorescent light fixtures and high intensity discharge lamps.

Equipment that may contain PCBs (e.g., electrical transformers and fluorescent light ballasts) can often be identified by examining manufacturer's labels. For safety reasons, Englobe personnel do not remove the ballast shields from fluorescent light fixtures to examine the ballast codes unless the electrical circuit for the lighting had been tagged and locked out by a qualified electrician. When possible, the manufacture name and catalogue number is recorded. Where not clearly labelled as "Non-PCB", the information presented on the ballast labels can be compared with the Environment Canada document entitled "Identification of Lamp Ballasts Containing PCBs (Revised August 1991)" to confirm PCB content, or assumed to contain PCBs, as applicable.

Light fixtures with T12 lamps are more likely to contain ballasts that were manufactured prior to 1981. T8, T5, and T4 lamps are associated with light fixtures that were manufactured after the phase-out of PCB-containing ballasts. The letter "T" denotes the shape of the light fixture (e.g., tubular) and the number which follows indicates the diameter in eights of an inch. An extensive PCB survey and inventory was not completed as part of Englobe's scope of work.

3.5 Halocarbon-Containing Equipment Methodology

Halocarbons include chemicals containing chlorofluorocarbon ("CFC"), hydrochlorofluorocarbon ("HCFC"), halon or any other material capable of destroying ozone in the atmosphere. Ozone Depleting Substances are controlled by O. Reg. 463/10, as amended and the Federal Halocarbons Regulation.

Equipment that may contain halocarbons (e.g., air conditioning and refrigeration equipment) can often be identified by examining manufacturer's labels. The investigation of halocarbons was performed through the identification of equipment requiring refrigerants as part of the survey process followed by an evaluation for labels on the equipment (indicating the type of refrigerant present). An extensive halocarbon survey and inventory was not completed as part of Englobe's scope of work.

3.6 Other Designated Substances and Hazardous Materials Methodology

The methodology for the identification of other Designated Substances and Hazardous Materials followed the same visual evaluation methodology as the investigation for asbestos and lead in surface coatings. During the survey, other identified Designated Substances were visually identified based on the surveyor's historical knowledge of these substances. These substances/materials were identified, and locations noted, as deemed applicable.

4 Findings

The following sections outline the complete findings of all accessible Designated Substances and hazardous building materials that were assessed within the project areas.

Englobe made attempts to evaluate the project areas to identify Hazardous Materials present. In spite of these efforts, some Designated Substances or Hazardous Materials may be concealed and not observed at the time of the survey. As such, should any previously unidentified suspect Designated Substances or Hazardous Materials be encountered as part of future work, these materials are to be treated as Designated Substances or Hazardous Materials and handled accordingly, unless additional assessment confirms otherwise.

4.1 Asbestos

Table 1 below presents the findings of bulk asbestos material samples collected from and applicable to the project areas, based on visual observations at the time of the site survey:

Table1: Summary of Bulk Samples Analyzed for Asbestos Analysis			
Sample I.D.	Sample Location	Sample Description	Asbestos Content
02503602.001-DSS-01A	Room 127	12"x12" Vinyl Floor Tile, Green with White Flecks	None Detected

Table1: Summary of Bulk Samples Analyzed for Asbestos Analysis			
Sample I.D.	Sample Location	Sample Description	Asbestos Content
02503602.001-DSS-01A	Room 127	2nd Layer - Black Mastic associated with 12"x12" Vinyl Floor Tile, Green with White Flecks	None Detected
02503602.001-DSS-01B	Room 127	12"x12" Vinyl Floor Tile, Green with White Flecks	None Detected
02503602.001-DSS-01B	Room 127	2nd Layer - Black Mastic associated with 12"x12" Vinyl Floor Tile, Green with White Flecks	None Detected
02503602.001-DSS-01C	Room 127	12"x12" Vinyl Floor Tile, Green with White Flecks	None Detected
02503602.001-DSS-01C	Room 127	2nd Layer - Black Mastic associated with 12"x12" Vinyl Floor Tile, Green with White Flecks	None Detected
02503602.001-DSS-02A	Room 127	Concrete Block Mortar on Wall	None Detected
02503602.001-DSS-02B	Room 130	Concrete Block Mortar on Wall	None Detected
02503602.001-DSS-02C	Room 127	Concrete Block Mortar on Wall	None Detected
02503602.001-DSS-03A	Room 127	2'x4' Ceiling Tiles, Small Pinholes & Widthwise Fissures	None Detected
02503602.001-DSS-03B	Room 127	2'x4' Ceiling Tiles, Small Pinholes & Widthwise Fissures	None Detected
02503602.001-DSS-03C	Room 127	2'x4' Ceiling Tiles, Small Pinholes & Widthwise Fissures	None Detected
02503602.001-DSS-04A	Room 127	Thin set Mortar under Ceramic Floor Tiles	None Detected
02503602.001-DSS-04B	Room 127	Thin set Mortar under Ceramic Floor Tiles	None Detected
02503602.001-DSS-04C	Room 127	Thin set Mortar under Ceramic Floor Tiles	None Detected
02503602.001-DSS-05A	Room 127	Brown Ceramic Tile Grout on Floor	None Detected
02503602.001-DSS-05B	Room 127	Brown Ceramic Tile Grout on Floor	None Detected

Table1: Summary of Bulk Samples Analyzed for Asbestos Analysis			
Sample I.D.	Sample Location	Sample Description	Asbestos Content
02503602.001-DSS-05C	Room 127	Brown Ceramic Tile Grout on Floor	None Detected
02503602.001-DSS-06A	Room 127	Drywall with Joint Compound on Ceiling	None Detected
02503602.001-DSS-06B	Room 127	Drywall with Joint Compound on Ceiling	None Detected
02503602.001-DSS-06C	Room 127	Drywall with Joint Compound on Ceiling	None Detected
02503602.001-DSS-07A	Room 127	Grey Caulking Around Door Frame	None Detected
02503602.001-DSS-07B	Room 127	Grey Caulking Around Door Frame	None Detected
02503602.001-DSS-07C	Room 127	Grey Caulking Around Door Frame	None Detected

Note: **Bold** items represent materials that contain greater than 0.5% asbestos by dry weight.

Based on the analytical results in Table 1, none of the sampled materials contain regulated amounts of asbestos.

Ceiling tiles (2'x4' with small pinhole pattern) present in Room 127 were noted to have a date stamp of 10/03/17 and are not suspected to contain asbestos and were not sampled by Englobe during the assessment.

Englobe made representative openings into concrete block walls to assess the presence of loose-fill vermiculite insulation. At the time of the assessment, Englobe did not observe any vermiculite insulation.

No other suspect or presumed ACMs were noted within the visibly accessible areas.

4.2 Lead

Table 2 below presents the findings of bulk lead in sample collected from and applicable to the project areas, based on visual observations at the time of the site survey.

Table 2: Summary of Bulk Samples Analyzed for Lead Content			
Sample I.D.	Sample Location	Material Description	Lead Content
02503602.001-DSS-LP01	Room 127	White Paint on Concrete Block Wall	<64 ppm
02503602.001-DSS-LP02	Room 127	White Paint on Drywall Ceiling	<64 ppm

Note: **Bold** items contain greater than 1,000 ppm of lead.

Based on the analytical results outlined in Table 2, white paint applied to concrete block and drywall ceiling finishes are determined to be low-lead level paints.

Lead is assumed to be present in the following materials:

- Other paints not observed and/or sampled;
- Batteries associated with emergency lighting systems; and
- Solder associated with metal piping.

4.3 Mercury

Light fixtures were noted to be equipped with LED light tubes which are not suspected to contain mercury vapour.

No other suspect mercury-containing equipment was observed in the assessed areas.

4.4 Silica

Silica is expected to be present as a natural component within building materials such as concrete block, mortars, caulking, drywall, ceiling tiles, ceramic tiles, grout, thin set, and vinyl floor tiles.

4.5 PCBs

Light fixtures were noted to be equipped with LED light tubes. As such, associated ballasts are not suspected to contain PCBs.

No other suspect PCB-containing equipment was observed within the assessed areas.

4.6 Other Designated Substances

The following other Designated Substances were neither observed, nor suspected of being present, in forms or quantities that would impact planned work operations of the planned project:

- Acrylonitrile
- Arsenic
- Asbestos
- Benzene
- Coke Oven Emissions
- Ethylene Oxide
- Isocyanates
- Vinyl Chloride
- Mercury
- ODS
- PCBs

5 Conclusions and Recommendations

Based on bulk sampling, laboratory analyses, and observations made during the site investigation, the following Designated Substances and Hazardous Materials have been confirmed within the project area:

- Lead
- Silica

Englobe's recommendations for these Designated Substances and Hazardous Materials, which are based upon both regulatory compliance and best practice guidelines, are included in the following sections below.

It should be noted that some Designated Substances and Hazardous Materials may be concealed and thus may not have been visible or apparent at the time of Englobe's site survey. Should any unidentified suspect substances be encountered as part of future work, these materials are to be treated as hazardous and handled accordingly, unless sampling proves otherwise.

5.1 Lead

The Ontario MLTSD have published a guideline entitled “Guideline: Lead on Construction Projects”. This document classifies all lead disturbances as Type 1, Type 2a, Type 2b, Type 3a or Type 3b work, and assigns different levels of respiratory protection and work procedures for each classification.

Should disturbance to lead be required, follow appropriate lead safety precautions in accordance with the above-noted guideline.

The TWAEL for airborne lead is prescribed by O. Reg. 490/09, as amended. Work procedures and personal protective equipment must be used to ensure that workers are not exposed to airborne lead levels that exceed this TWAEL.

In the event of conflict between lead precautionary measures and other precautionary measures (e.g., asbestos, silica, etc.), the more stringent procedures shall apply.

The disposal of construction waste containing lead is governed by O. Reg. 347/90, as amended. The transport of the waste to the disposal site is controlled by the federal Transportation of Dangerous Goods Act (TDGA), 1992 and the Ontario Dangerous Goods Transportation Act (DGTA). Materials with elevated concentrations of lead are subject to toxicity characteristic leaching procedure (TCLP) testing to determine toxicity with respect to lead prior to disposal, in accordance with O. Reg. 347/90, as amended.

5.2 Silica

The Occupational Health and Safety Branch of the Ontario MLTSD have published *Guideline: Silica on Construction Projects*. This document classifies all silica disturbances as Type 1, Type 2 or Type 3 work, and assigns different levels of respiratory protection and work procedures for each classification. This guideline should be followed during disturbance of silica-containing materials.

As a general rule, it is preferable to use more stringent dust suppression techniques and engineering controls as opposed to relying on respiratory protection to control worker exposure. Respiratory protection should only be relied on as a last resort when dust suppression techniques and engineering controls fail to control worker exposure.

The TWA exposure limit (TWAEL) for airborne silica is prescribed by O. Reg. 490/09, as amended. Work procedures and personal protective equipment must be used to ensure that workers are not exposed to airborne silica levels that exceed the TWAEL.

6 Closure

A Statement of Limitations section, which forms an integral part of this report, is attached.

We trust that the information contained herein meets your needs. Should you have any questions or comments, please do not hesitate to contact us.

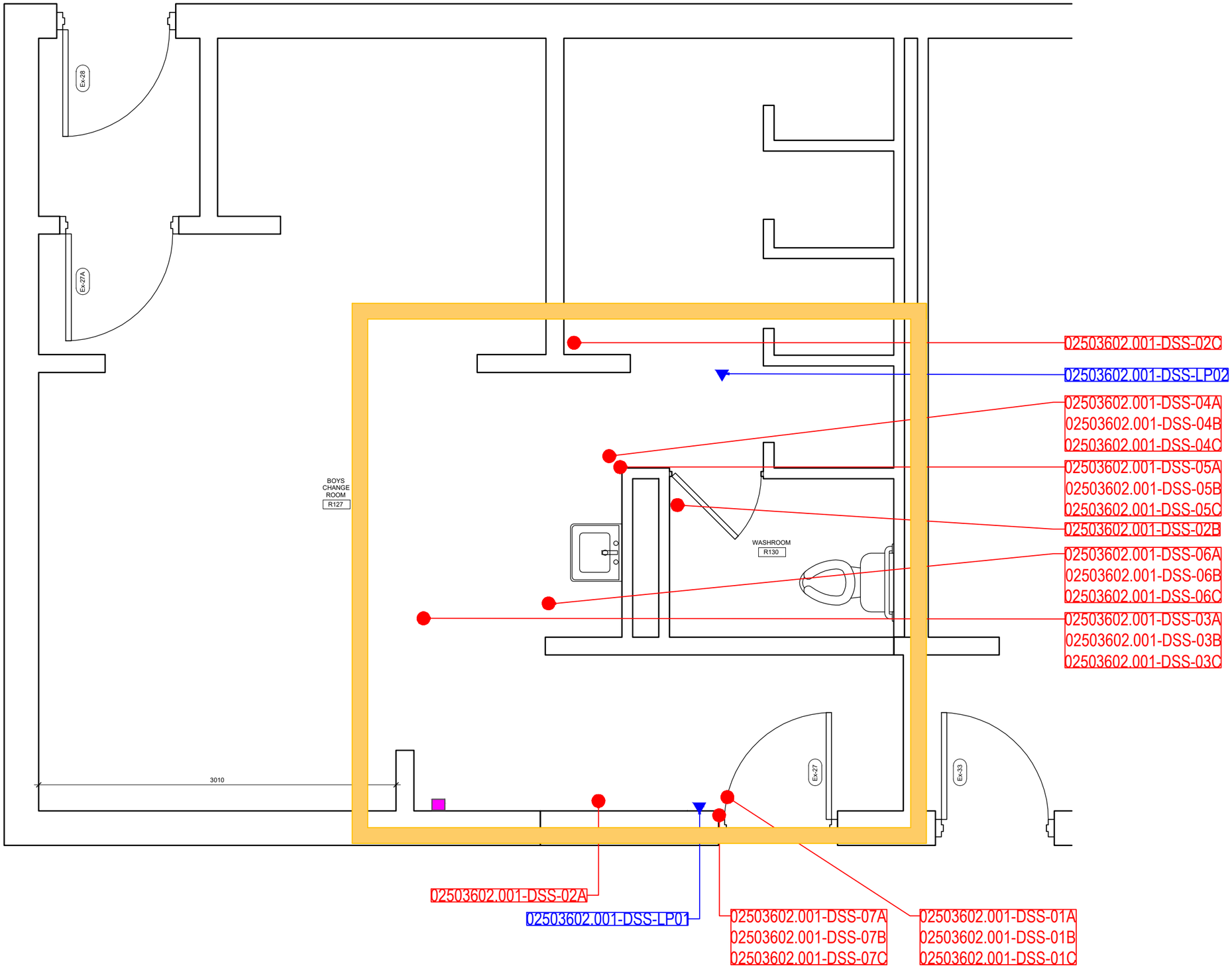
For Englobe Corp.

Mia Porras, Civil Engineering Tech. (dipl.), WRT
Hygiene, Health and Safety Technician
HHS, GTA & SWO

James Kassabian
Project Manager
HHS, GTA & SWO

APPENDIX A

Project Drawings



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Note

1. This drawing shall be read in conjunction with the associated technical report.
2. Do not scale drawing.
3. Base plan provided by client.

Legend

Samples Collected By Englobe:

- Approximate Location of Asbestos Bulk Sample
- Approximate Location of Lead Paint Coatings Sample
- Approximate Drill Location for Vermiculite Investigation
- Assessed Area

Client
Durham Catholic District School Board

Site
10 Clover Ridge Drive West, Ajax, ON

Report Title
Project-Specific, Pre-Renovation Designated Substances Survey Universal Washroom Upgrades at St. James CES

Drawing Title
Sample Location Plan

Designed By: E.R.	Scale: N.T.S.
Drawn By: E.R.	Date: April 2026
Approved By: J.K.	Project No.: 02503602.001

Figure No.
1

20 Carlson Court, Suite 300, Etobicoke, Ontario M9W 7K6 Tel: (418) 781-0191 Fax: (418) 781-0186 Website: www.englobecorp.com/canada

APPENDIX B

Representative Photographs

Photo 1. Representative view of low-level lead white paint applied to concrete block wall observed in Room 127.

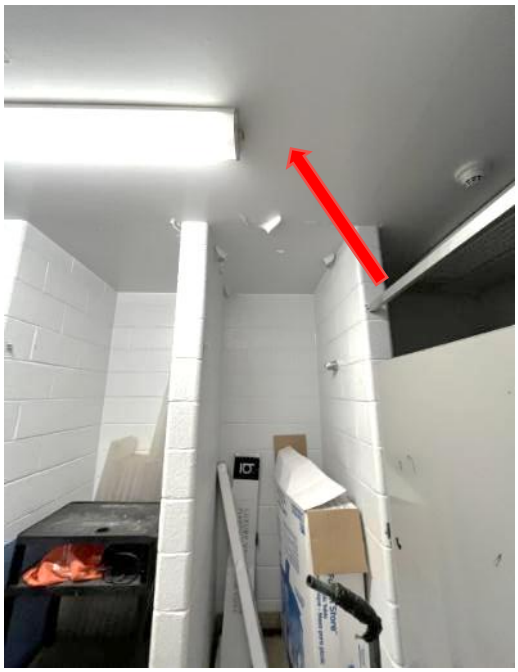


Photo 2. Representative view of low-level lead paint described as white applied to drywall ceiling observed in Room 127.

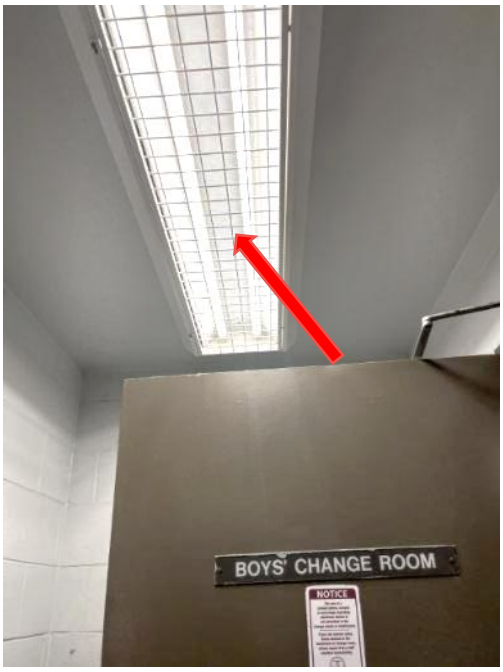


Photo 3. Representative view of light fixture equipped with LED light tubes observed in Room 127.

Photo 4. Representative view of assumed lead-containing batteries associated with emergency lighting system observed in Room 127.

APPENDIX C

Laboratory Certificates of Analysis

ENGLOBE

EMSL Canada Inc.

2756 Slough Street Mississauga, ON L4T 1G3
Phone/Fax: (289) 997-4602 / (289) 997-4607
http://www.EMSL.com / torontolab@emsl.com

EMSL Canada Order 552606608
Customer ID: 55DST80
Customer PO: 02603728.000
Project ID:

Attn: James Kassabian
Englobe Corp
20 Carlson Court, Suite 300
Etobicoke, ON M9W 7K6

Phone: (519) 624-9804
Fax: (519) 624-5916
Collected:
Received: 4/01/2026
Analyzed: 4/08/2026

Proj: 02603728.000

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 02603728.000-DSS-01A-Vinyl Floor Tile **Lab Sample ID:** **552606608-0001**
Sample Description: Corridor / 12"x12" Vinyl Floor Tile, Beige with Grey Flecks & Associated Black Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray/Beige	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-01A-Mastic **Lab Sample ID:** **552606608-0001A**
Sample Description: Corridor / 12"x12" Vinyl Floor Tile, Beige with Grey Flecks & Associated Black Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray/Black	10.0%	90.0%	None Detected	

Client Sample ID: 02603728.000-DSS-01B-Vinyl Floor Tile **Lab Sample ID:** **552606608-0002**
Sample Description: Corridor / 12"x12" Vinyl Floor Tile, Beige with Grey Flecks & Associated Black Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray/Beige	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-01B-Mastic **Lab Sample ID:** **552606608-0002A**
Sample Description: Corridor / 12"x12" Vinyl Floor Tile, Beige with Grey Flecks & Associated Black Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray/Black	9.0%	91.0%	None Detected	

Client Sample ID: 02603728.000-DSS-01C-Vinyl Floor Tile **Lab Sample ID:** **552606608-0003**
Sample Description: Corridor / 12"x12" Vinyl Floor Tile, Beige with Grey Flecks & Associated Black Mastio

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Tan	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-01C-Mastic **Lab Sample ID:** **552606608-0003A**
Sample Description: Corridor / 12"x12" Vinyl Floor Tile, Beige with Grey Flecks & Associated Black Mastio

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-02A **Lab Sample ID:** **552606608-0004**
Sample Description: Corridor / Concrete Block Mortar on Wall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray/White	0.0%	100.0%	None Detected	

EMSL Canada Inc.

2756 Slough Street Mississauga, ON L4T 1G3
Phone/Fax: (289) 997-4602 / (289) 997-4607
http://www.EMSL.com / torontolab@emsl.com

EMSL Canada Order 552606608
Customer ID: 55DST80
Customer PO: 02603728.000
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 02603728.000-DSS-02B ***Lab Sample ID:*** **552606608-0005**
Sample Description: Corridor / Concrete Block Mortar on Wall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray/White	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-02C ***Lab Sample ID:*** **552606608-0006**
Sample Description: WR2 / Concrete Block Mortar on Wall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-03A ***Lab Sample ID:*** **552606608-0007**
Sample Description: WR1 / Thinset Mortar under Ceramic Floor Tiles

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-03B ***Lab Sample ID:*** **552606608-0008**
Sample Description: WR1 / Thinset Mortar under Ceramic Floor Tiles

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-03C ***Lab Sample ID:*** **552606608-0009**
Sample Description: WR1 / Thinset Mortar under Ceramic Floor Tiles

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-04A ***Lab Sample ID:*** **552606608-0010**
Sample Description: WR1 / Grey Tile Grout on Ceramic Floor

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-04B ***Lab Sample ID:*** **552606608-0011**
Sample Description: WR1 / Grey Tile Grout on Ceramic Floor

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-04C ***Lab Sample ID:*** **552606608-0012**
Sample Description: WR1 / Grey Tile Grout on Ceramic Floor

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray/White	0.0%	100.0%	None Detected	

EMSL Canada Inc.

2756 Slough Street Mississauga, ON L4T 1G3
Phone/Fax: (289) 997-4602 / (289) 997-4607
http://www.EMSL.com / torontolab@emsl.com

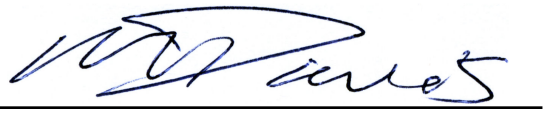
EMSL Canada Order 552606608
Customer ID: 55DST80
Customer PO: 02603728.000
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Analyst(s):

Leslie Tetrick PLM (10)
Sara Poppa PLM (5)

Reviewed and approved by:



Matthew Davis or other approved signatory
or Other Approved Signatory

None Detected = <0.1%. EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This is a summary report; official reports are available on LabConnect or upon request and relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Meriden, CT NVLAP Lab Code 200700-0,

Initial report from: 04/08/202614:09:12

EMSL Canada Inc.
2756 Slough Street, Mississauga, ON L4T 1G3
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http://www.EMSL.com torontolab@emsl.com

EMSL Canada Or	552606605
CustomerID:	55DST80
CustomerPO:	99111
ProjectID:	

Attn: **James Kassabian**
Englobe Corp
20 Carlson Court, Suite 300
Etobicoke, ON M9W 7K6

Phone:	(519) 624-9804
Fax:	(519) 624-5916
Received:	4/1/2026 12:40 PM
Collected:	

Project: **02603728.000**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Weight	RDL	Lead Concentration
•02603728.000-DSS-LP01		4/2/2026	0.2537 g	64 ppm	160 ppm
552606605-0001	Site: Corridor/White Paint on Concrete Block Wall				

Rowena Fanto, Lead Supervisor
or other approved signatory

Initial report from 04/08/2026 10:03:22

APPENDIX D

Hazardous Materials Data Room by Room Sheets

ENGLOBE

St. James Catholic Elementary School, 10 Clover Ridge Drive West, Ajax, Ontario - Hazardous Materials Room by Room

Floor	Room	Equipment Type	Material Description	Accessibility	Friability	Type	% Present	Condition	Quantity	Units	Sample ID	Control Action	Comments
Ground	Room 127 - Boys Change Room	Floor	12" x 12" VFT, Green with White Flecks	A	-	None Detected	-	-	-	-	02503602.001 - DSS - 01(A-C)	-	
		Floor	2nd Layer - Black Mastic associated with 12"x12" Vinyl Floor Tile, Green with White Flecks	Cc	-	None Detected	-	-	-	-	02503602.001 - DSS - 01(A-C)	-	
		Floor	Brown Ceramic Tile Grout	A	-	None Detected	-	-	-	-	02503602.001 - DSS - 05(A-C)	-	
		Floor	Thin Set Mortar under Ceramic Floor Tiles	D	-	None Detected	-	-	-	-	02503602.001 - DSS - 04(A-C)	-	
		Wall	Concrete Block Mortar	A	-	None Detected	-	-	-	-	02503602.001 - DSS - 02A, C	-	
		Wall	White Paint on Concrete Block	A, Ce	-	Low-Level Lead	<64 ppm	Good	650	SF	02503602.001 - DSS - LP01	-	
		Ceiling	2'x4' Ceiling Tiles, Small Pinholes & Widthwise Fissures	Ce	-	None Detected	-	-	-	-	02503602.001 - DSS - 03(A-C)	-	
		Ceiling	2'x4' Ceiling Tiles, Small Pinholes	Ce	-	-	-	-	-	-	-	-	Date Stamp of 10/03/17
		Ceiling	Drywall with Joint Compound	Ce	-	None Detected	-	-	-	-	02503602.001 - DSS - 06(A-C)	-	
		Ceiling	White Paint on Drywall	A, Ce	-	Low-Level Lead	<64 ppm	Good	90	SF	02503602.001 - DSS - LP02	-	
		Ductwork	Uninsulated	Cc	-	-	-	-	-	-	-	-	
		Structure	Steel Deck	Ce	-	-	-	-	-	-	-	-	
		Lighting	LED light tubes	Ce	-	-	-	-	-	-	-	-	
		Lighting	Batteries for Emergency Lighting	Ce	-	Assumed Lead-Containing	-	Good	1	EA	-	-	
		Door	Grey Caulking Around Door Frame	A, Ce	-	None Detected	-	-	-	-	02503602.001 - DSS - 07(A-C)	-	
Ground	Room 130 - Washroom	Floor	Brown Ceramic Tile Grout	A	-	-	-	-	-	-	-	-	
		Floor	Thin set Mortar under Ceramic Floor Tiles	D	-	-	-	-	-	-	-	-	
		Wall	Concrete Block Mortar	A	-	None Detected	-	-	-	-	02503602.001 - DSS - 02B	-	
		Wall	White Paint on Concrete Block	A, Ce	-	-	-	-	-	-	V/S to 02503602.001 - DSS - LP01	-	
		Ceiling	Drywall with Joint Compound	Ce	-	-	-	-	-	-	-	-	
		Ceiling	White Paint on Drywall	A, Ce	-	-	-	-	-	-	V/S to 02503602.001 - DSS - LP02	-	
		Piping	Foil and Fibreglass Pipe Insulation	Cc	-	-	-	-	-	-	-	-	
		Piping	Uninsulated	Cc	-	-	-	-	-	-	-	-	
		Structure	Steel Deck	Ce	-	-	-	-	-	-	-	-	
		Lights	LED light tubes	Ce	-	-	-	-	-	-	-	-	

NOTES:

1. Asbestos disturbance, abatement, transportation, and disposal shall be performed in accordance with requirements of O. Reg. 278/05 and O. Reg. 347/90.
2. Quantities, conditions, and locations of asbestos-containing materials are to be confirmed on-site prior to material removal or disturbance. All quantities are approximations and are for general reference purposes only. The above quantities and information should be used only as a general guide for abatement costing purposes. No warranties or guarantees are implied or expressed. Bidding contractors are responsible for conducting a thorough walkthrough of the project areas, and draw their own conclusions with respect to site conditions, locations of materials, and quantities that may impact their costing and schedule.
3. Condition, accessibility and action level based on O. Reg. 278/05.
4. V/S is visually similar.

CONDITION:
GOOD - Completely encapsulated, no signs of damage, deterioration, or delamination
FAIR - Minor damage or penetration or ACM that has never been covered.
POOR - Original cover or jacket is damaged or missing. ACM is exposed and amount of missing material/damage is moderate to severe
DEBRIS - Presence of fallen ACM. Major damage and no longer attached to its original component

ACCESSIBILITY:
A - Areas of the building that are accessible to all building occupants
B - Areas of the building that are accessible to Maintenance and Operations staff only, without the need of a ladder
Ce - Areas of the building above 2.5 metres where use of a ladder is required to reach the ACM. ACM is exposed from floor level or ladder, without removing other building component
Cc - Area of the building which require the removal of a building component, including ceiling tile or access panel into solid ceiling.
D - Areas of the building that are behind solid ceilings systems or within wall and ceiling cavities (e.g. areas where building material demolition is required to obtain access).

PRIORITY (ACTION LEVEL):
1 - IMMEDIATE CLEAN UP OF ACM DEBRIS
2 - PRECAUTIONS FOR ACCESS WHICH MAY DISTURB ACM DEBRIS
3 - ACM REMOVAL
4 - PRECAUTIONS FOR WORK WHICH MAY DISTURB ACM IN POOR CONDITION
5 - PROACTIVE ACM REMOVAL
6 - ACM REPAIR
7 - MANANAGEMENT PROGRAM AND SURVEILLANCE

	Good	Fair	Poor	Debris
A	5/7	5/6	3	1
B	7	6/5	3	1
Ce	7	6	4	2
Cc	7	7	4	2
D	7	7	7	7

APPENDIX E

Statement of Limitations

ENGLOBE

Statement of Limitations

This report (hereinafter, the “Report”) was prepared by Englobe Corporation (hereinafter the “Company”) and is provided for the sole and exclusive use and benefit of the Durham Catholic District School Board (the “Client”). Ownership in and copyright for the contents of the Report belong to the Company.

No other person is authorized to rely on, use, copy, duplicate, reproduce or disseminate this Report, in whole or in part and for any reason whatsoever, without the express prior written consent of the Company. Any person using this Report, other than the person(s) to whom it is directly addressed, does so entirely at its own risk. The Company assumes no responsibility or liability in connection with decisions made or actions taken based on the Report, or the observations and/or comments contained within the Report. Others with interest in the site and/or subject matter of this Report should undertake their own investigations and studies to determine how or if they or their plans could be affected.

This Report should be considered in its entirety; selecting specific portions of the Report may result in the misinterpretation of the content.

The work performed by the Company was carried out in accordance with the terms and conditions specified in the Professional Services Agreement between the Company and the Client, in accordance with currently accepted engineering standards and practices and in a manner consistent with the level of skill, care and competence ordinarily exercised by members of the same profession currently practicing under similar conditions and like circumstances in the same jurisdiction in which the services were provided. Standards, guidelines, and practices may change over time; those which were applied to produce this Report may be obsolete or unacceptable later.

The findings, recommendations, suggestions, or opinions expressed in this Report reflect the Company’s best professional judgment based on observations and/or information reasonably available at the time the work was performed, as appropriate for the scope, work schedule and budgetary constraints established by the Client. No other warranty or representation, expressed or implied, is included in this Report including, but not limited to, that the Report deals with all issues potentially applicable to the site and/or that the Report deals with any and all of the important features of the site, except as expressly provided in the scope of work.

This Report has been prepared for the specific site, development, building, design or building assessment objectives and/or purposes that were described to the Company by the Client. The applicability and reliability of the content of this Report, subject to the limitations provided herein, are only valid to the extent that there has been no material alteration or variation thereto, and the Company expressly disclaims any obligation to update the Report. However, the Company reserves the right to amend or supplement this Report based on additional information, documentation or evidence made available to it.

The Company makes no representation concerning the legal significance of its findings, nor as to the present or future value of the property, or its fitness for a particular purpose and hereby disclaims any responsibility or liability for consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

Since the passage of time, natural occurrences, and direct or indirect human intervention may affect the views, conclusions, and recommendations (if any) provided in this Report, it is intended for immediate use.

This Statement of Limitations forms an integral part of the Report.

In preparing this Report, the Company has relied in good faith on information provided by others and has assumed that such information is factual, accurate and complete. The Company accepts no responsibility or liability for any deficiency, misstatement or inaccuracy in this Report resulting from the information provided, concealed, or not fully disclosed by those individuals.

The assessment should not be considered a comprehensive audit that covers and eliminates all present, past, and future risks. The information presented in this Report is based on data collected during the completion of the site assessment conducted. The overall site/building conditions were extrapolated based on information collected at specific sampling locations. Professional judgement was exercised in gathering and analyzing data; however, no sampling methodology can completely eliminate the possibility of obtaining partially imprecise or incomplete information; it can only reduce the possibility to an acceptable level. Consequently, the actual site/building conditions between the sampling points may vary. In addition, analysis has been carried out only for the parameters identified, and it should not be inferred that other hazardous materials are not present.

It is recommended practice that the Company be retained during subsequent phases of the project, to confirm that the conditions throughout the site do not deviate materially from those encountered throughout the sampling program.

Any results from a third-party laboratory or other subcontractors reported herein have been carried out by others, and the Company cannot warrant their accuracy.

This Report is based on the assumption that the design features relevant to our work will be in accordance with applicable codes, standards, and guidelines of practice and constructed substantially in accordance with the Report. If there are any changes to the site development or building construction features, or there is any additional information that was not otherwise available at the time the work was performed, the Company should be retained to review the implications thereof to the contents of this Report. The design recommendations expressed in this Report are applicable only to the project described therein.

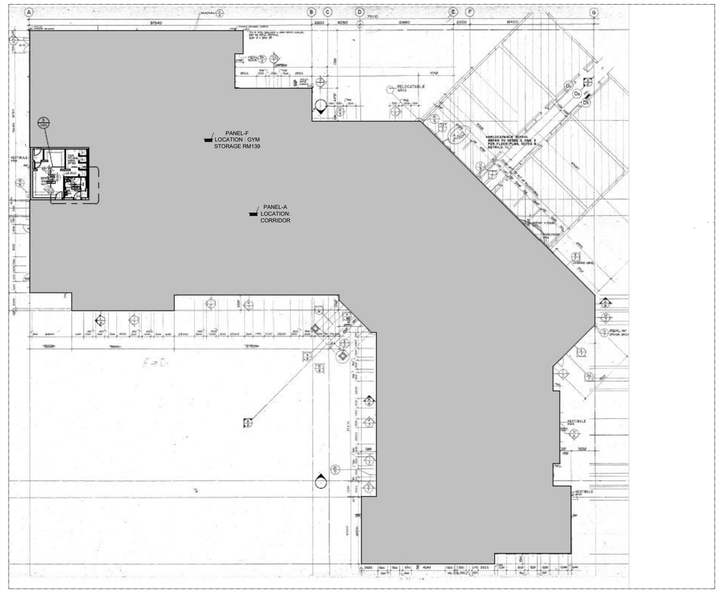
No attempt was made to dismantle, inspect, or test existing equipment other than that which is specifically noted in the report.

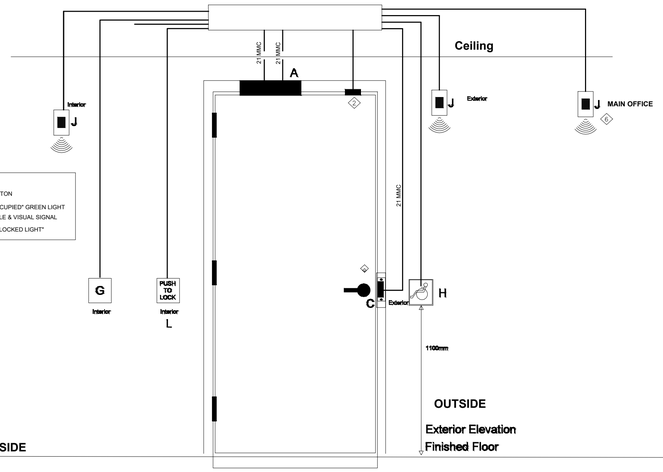
LEGEND

▬	ELECTRICAL PANEL
	NON-FUSED DISCONNECT SWITCH
M	MOTOR CONNECTION (SINGLE OR THREE PHASE)
MSB	MAIN SWITCH BOARD
	15A, 120V DUPLEX T-SLOT GROUND FAULT INTERRUPTER RECEPTACLE.
	DOOR OPERATOR
PL	OUTLET FOR PUSH TO LOCK
PUL	OUTLET FOR PUSH TO UNLOCK
SL	STROBE LIGHT FOR EMERGENCY RESPONSE SYSTEM
PU	PATIENT UNIT FOR EMERGENCY RESPONSE SYSTEM
OL	OCCUPIED LIGHT FOR EMERGENCY RESPONSE SYSTEM
ERS	EMERGENCY RESPONSE SYSTEM
HO	DOOR HOLD OPEN DEVICE
▬	FIRE ALARM CONTROL PANEL
	PHOTOELECTRIC TYPE SMOKE DETECTOR
	EMERGENCY LIGHTING FIXTURE
BEF	EMERGENCY LIGHTING FIXTURE AND BATTERY
AV	AUDIBLE & VISUAL DEVICE
	DIRECT HARDWIRE CONNECTION
PA	PA SPERAKER

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MAKE/MODEL	VOLT	LUMEN	LAMP			MOUNT	REMARKS
					WATT	TYPE	COL.		
A	LITELINE 1"X4"CEILING RECESSED LIGHTING FIXTURE, WET LOCATIONS	LITELINE LEDP-14-WH-40-30-120-L EQUALS: PEERLESS-ELECTRIC AND COLUMBIA	120	3190	30	LED	4000	DRYWALL CEILING RECESSED	





BARRIER FREE WASHROOM DOOR OPERATOR SCHEMATICS (TYPICAL)

EMERGENCY RESPONSE SYSTEM FOR WASHROOMS

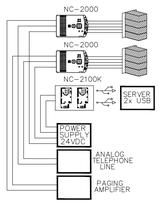
1. CONTRACTOR TO PROVIDE AND INSTALL EMERGENCY RESPONSE SYSTEM FOR THE WASHROOMS.
2. BASIS OF DESIGN IS MIRCOM, EQUIVALENT PRODUCT BY OTERH MANUFACTURERES ACCEPTABLE BASED ON SHOP DRAWING REVIEW.

MICARE SYSTEM CONSIST OF THE FOLLOWING:

CO-ORDINATOR BUNDLE	NC-2100K 1 EACH
SOFTWARE	NC-2100SW 1 EACH
4 LED MULTIDOME LIGHT	NC-4LED 4 EACH
PATIENT UNIT	NC-2000 4 EACH
SERVER	1 EACH
ROUTER	1 EACH
3 GANG ELECTRICAL BOX	3-FWSW-UPC 4 EACH
ELECTRICAL BOX	TXW-PS24BB 1 EACH
24V POWER SUPPLY	RB-MD-990 1 EACH
CABLE 1 FOOT	200'
EOL-103	END OF LINE RESISTOR (10K)

3. ELECTRICAL CONTRACTOR SHALL INSTALL THE SYSTEM AS PER MANUFACTURER'S INSTRUCTIONS.
4. PROVIDE AND INSTALL COMPLETE SYSTEM TO MEET THE CODE REQUIREMENTS. CO-ORDINATE WITH MIRCOM (CHRIS SCOTT #647-464-9972) AND INSTALL SYSTEM AS PER MANUFACTURER'S INSTRUCTIONS.
5. ONCE SYSTEM IS INSTALLED AND TESTED, PROVIDE REQUIRED TRAINING TO THE MAINTENANCE STAFF.

YPICAL FLOOR PLAN FOR EACH WASHROOM



NOTE:

1. SERVER TO BE LOCATED IN CHANGE ROOM. ELECTRICAL CONTRACTOR TO PROVIDE POWER REQUIRED FOR THE EMERGENCY RESPONSE SYSTEM.

BARRIER FREE WASHROOM DOOR OPERATOR SCHEMATICS (TYPICAL)

ELECTRICAL DRAWING LIST

The Contractor shall verify all dimensions prior to commencement of the work.
All print and specifications are the property of the Architect and must be returned upon completion of the work.

ISSUE OR REVISION

No.	Description	Date
1	Issued for Tender	24th Mar. 2026
2	Issued for Building Permit	24th Mar. 2026
3	Issued for Addendum ME-1	17th April 2026
4	Issued for Addendum ME-2	21st April 2026
5		
6		
7		
8		

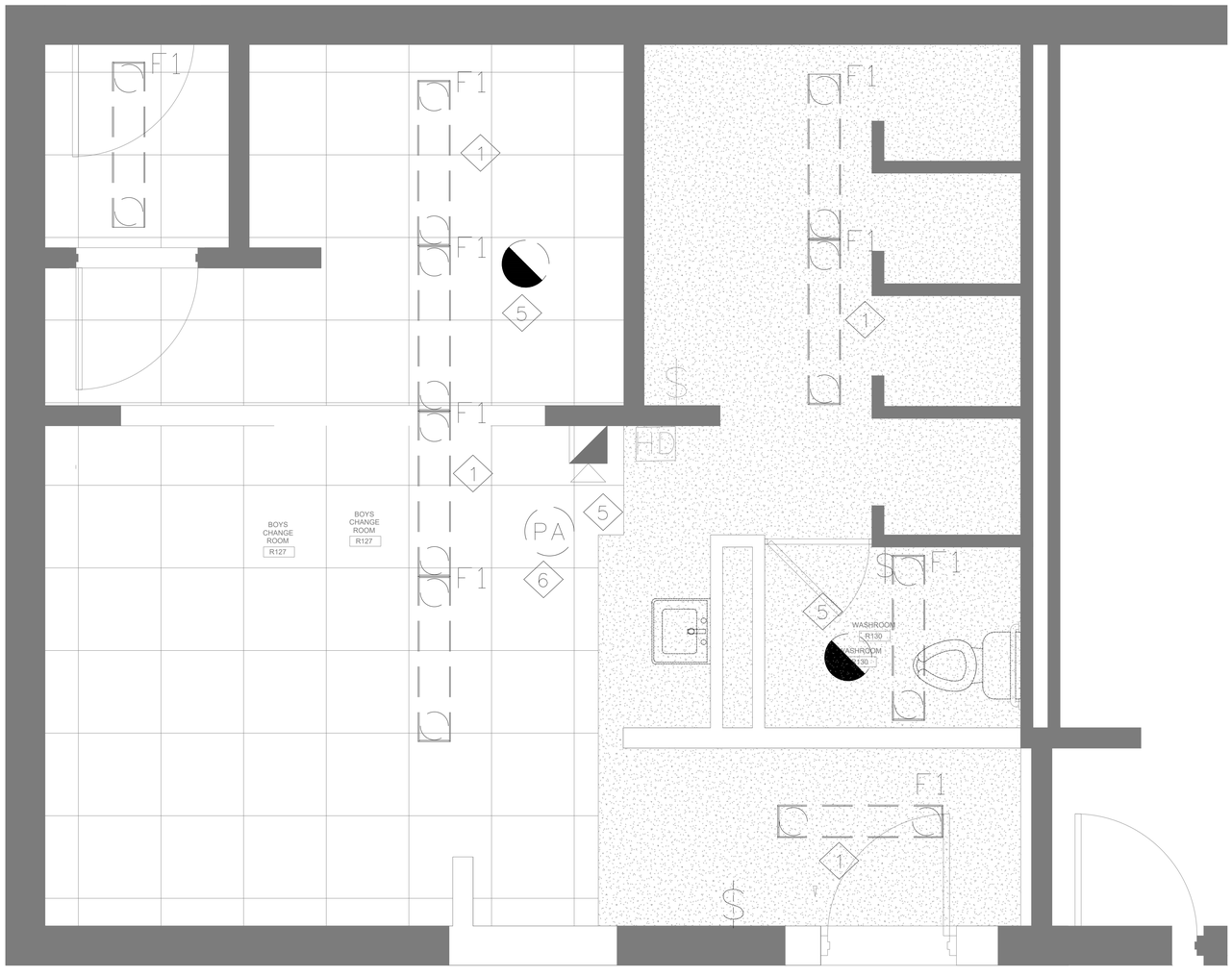
PROJECT :
ST. JAMES CATHOLIC SCHOOL
10 CLOVER RIDGE WEST, AJAX, ONTARIO

PROFESSIONAL SEAL :

DWG TITLE :
ELECTRICAL LEAD SHEET, DETAILS,KEY PLAN

REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
208 Wyecroft Road, Suite 200, Oakville, ON L6K 3S3
PHONE: (905)844-3913
www.regal-eng.com

DATE : MAR 2026
SCALE : NTS
DRAWN BY: SY
CHECKED BY : MA
DWG STATUS :
PROJECT No. : 2025-504-3
DRAWING No. : E1.0-A-2
REVISION



1 E2.0 DEMOLITION POWER AND LIGHTING LAYOUT
SCALE 1:20

DEMOLITION NOTES:

1. ELECTRICAL CONTRACTOR TO REMOVE EXISTING LIGHTINGS FIXTURE, AS SHOWN FEEDING FROM PANEL-F LOCATE IN GYM STORAGE RM 139.
2. ELECTRICAL CONTRACTOR TO DISCONNECT ALL WIRING FOR EXISTING LIGHTING FIXTURE , MARK CIRCUIT AS SPARE.
3. ELECTRICAL CONTRACTOR SHALL CAREFULLY REMOVE THE EXISTING LIGHTING FIXTURE WITHOUT DISTURBING THE EXISTING LIFE SAFETY DEVICES IN THE EXISTING CEILING . IF BY MISTAKE EXISTING LIFE SAFETY DEVICES ARE DAMAGED THEN CONTRACTOR TO REPLACE WITH NO ADDITIONAL COST.
4. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL RELATED ELECTRICAL WORK. ENSURE ALL CONNECTIONS TO MECHANICAL EQUIPMENT ARE INSTALLED PER MANUFACTURER REQUIREMENTS.
5. ELECTRICAL CONTRACTOR SHALL CAREFULLY REMOVE THE HEAT DETECTOR FROM THE WASHROOM AND WITHOUT DISTURBING THE OTHER DEVICES IN THE EXISTING WASHROOM CAREFULLY CONNECT THE LOOP TO OTHER EXISTING LIFE SAFETY DEVICES.
6. ELECTRICAL CONTRACTOR SHALL REMOVE THE SPEAKER FROM THE WASHROOM WITHOUT DISTURBING THE OTHER DEVICES.
7. THE ELECTRICAL CONTRACTOR SHALL PROTECT EXISTING HAND DRYER ,SOUNDER OTHER DEVICES AND CABLES DURING DEMOLITION WORK. ANY DAMAGED COMPONENTS SHALL BE REPLACED AT NO ADDITIONAL COST.
8. THE ELECTRICAL CONTRACTOR SHALL ENSURE ALL WORK COMPLIES WITH THE ONTARIO ELECTRICAL SAFETY CODE AND OBTAIN NECESSARY INSPECTIONS AND APPROVALS.

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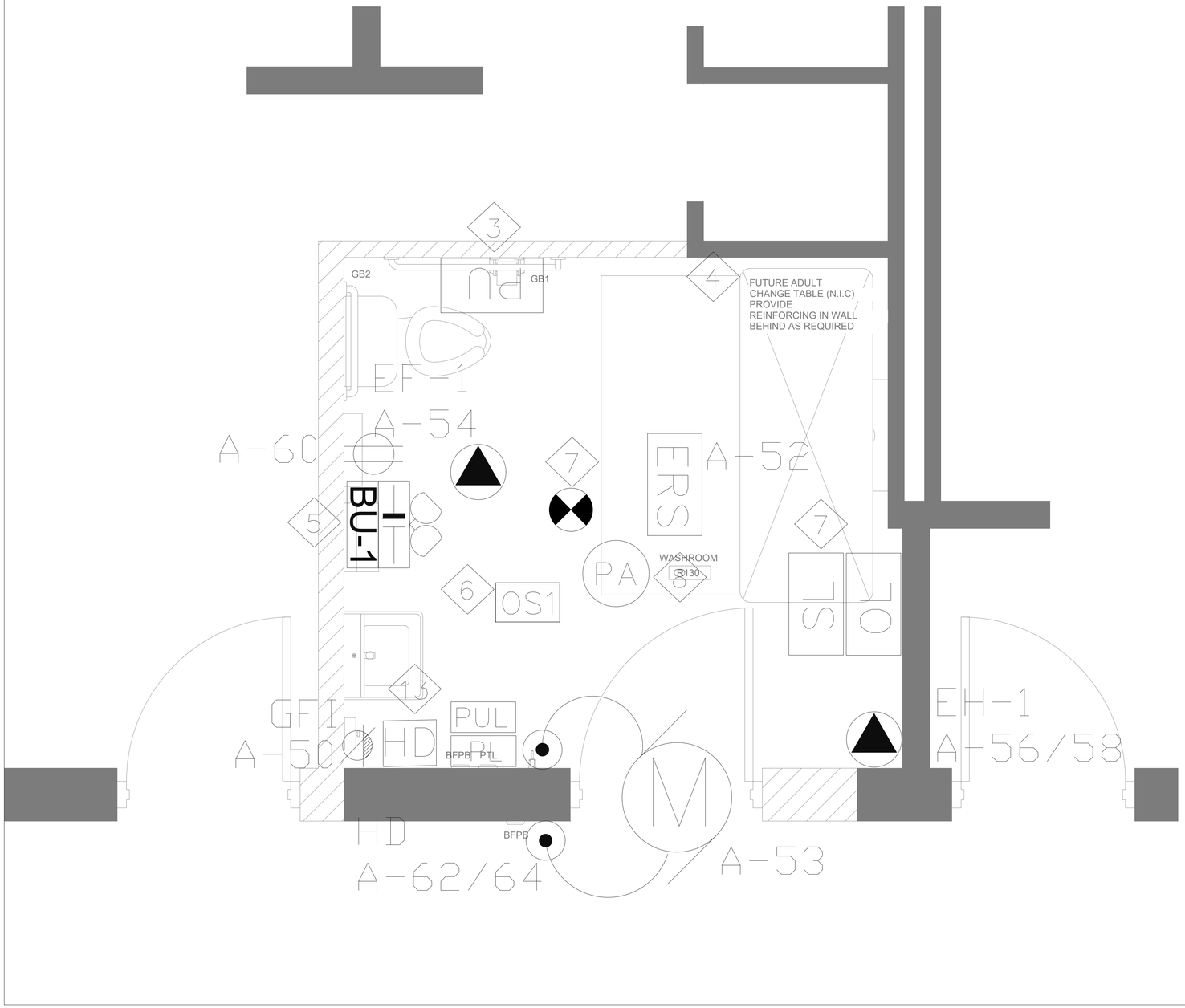
PROJECT :
ST. JAMES CATHOLIC SCHOOL
10 CLOVER RIDGE WEST, AJAX, ONTARIO

PROFESSIONAL SEAL :

DWG TITLE :
DEMOLITION POWER AND LIGHTING

REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
208 Wycroft Road, Suite 200, Oakville, ON L6K 3S3
PHONE: (905)844-3913
www.regal-eng.com

DATE : MAR 2026
SCALE : 1:20
DRAWN BY: SY
CHECKED BY : MA
DWG STATUS :
PROJECT No. : 2025-504-3
DRAWING No. : E2.0-A-2
REVISION



1 E3.0 PROPOSED POWER AND LIGHTING LAYOUT
SCALE 1:10

PROPOSED POWER NOTES:

1. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW LIGHTING FIXTURE WITH RE-UTILIZE THE EXISTING LIGHTING CIRCUIT.
2. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMT CONDUIT WITH PULL STRING FOR NURSE SYSTEM IN THE CEILING SPACE OF B/F WASHROOM.
3. SPECIALIZED CONTRACTOR FOR NURSES CALL SYSTEM WILL INSTALL COMPLETE SYSTEM WITH CONTROLLER .
4. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMT CONDUIT AND PULL STRING WITH 20A ,2P BREAKER AS SPARE IN THE PANEL FOR FUTURE ADULT CHANGE BED (N.I.C).
5. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMERGENCY BATTERY BACK LIGHT AS SHOW IN LAYOUT.
6. CONTRACTOR TO INSTALL OCCUPANCY SENSORS FOR CONTROL OF LIGHTING IN B/F WASHROOM.
7. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMT CONDUIT WITH PULL STRING FOR NEW SMOKE DETECTOR, FIRE ALARM HORN & STROBE AS SHOWN.
8. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMT CONDUIT WITH PULL STRING FOR PA SPEAKER AS SHOWN.
9. CONTRACTOR TO PROVIDE AND INSTALL SMOKE DETECTOR AS SHOWN , CONNECT TO EXISTING SYSTEM, ALLOW FOR TESTING AND VERIFICATION OF THE FIRE ALARM DECEIVES.
10. CONTRACTOR TO PROVIDE AND INSTALL PA SPEAKER AS SHOWN AND CONNECT TO EXISTING SYSTEM.
11. CONTRACTOR TO PROVIDE AND INSTALL NEW FIRE ALARM HORN & STROBE AS SHOWN. CONTRACTOR TO MAKE SURE THE SOUND OF NEW FIRE ALARM HORN SYNCHRONIZED WITH EXISTING FIRE ALARM HORNS. ALLOW FOR TESTING AND VERIFICATION OF THE FIRE ALARM DEV ICES.
12. EXHAUST FAN SHALL INTERLOCK WITH THE LIGHTING FIXTURES,OCCUPANCY SENSOR SHALL CONTROL THE LIGHTING FIXTURES AND THE EXHAUST FAN.
13. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL HAND DRYER AS SHOWN.
14. HAND DRYER BRAND XLERATOR HAND DRYER MODEL : XL-SB BRUSHED STAIN LESS, (COLOR TO BE SELECT BY ARCHITECTURE) ELECTRICAL SPECIFICATION 208-240V, 1500W.
15. ELECTRICAL CONTRACTOR SHALL PROVIDE EMT CONDUIT AND WIRE FOR HAND DRYER AND INSTALL 20A, 2POLE BREAKER TO PANEL A TO CONNECT THE HAND DRYER.
16. ELECTRICAL CONTRACTOR SHALL GFI SOCKET AS SHOWN ON THE ELECTRICAL DRAWINGS, AS REQUIRED FOR THE WASHROOM RENOVATION. ALLOW FOR EXTENDING CABLES AND CONDUITS.

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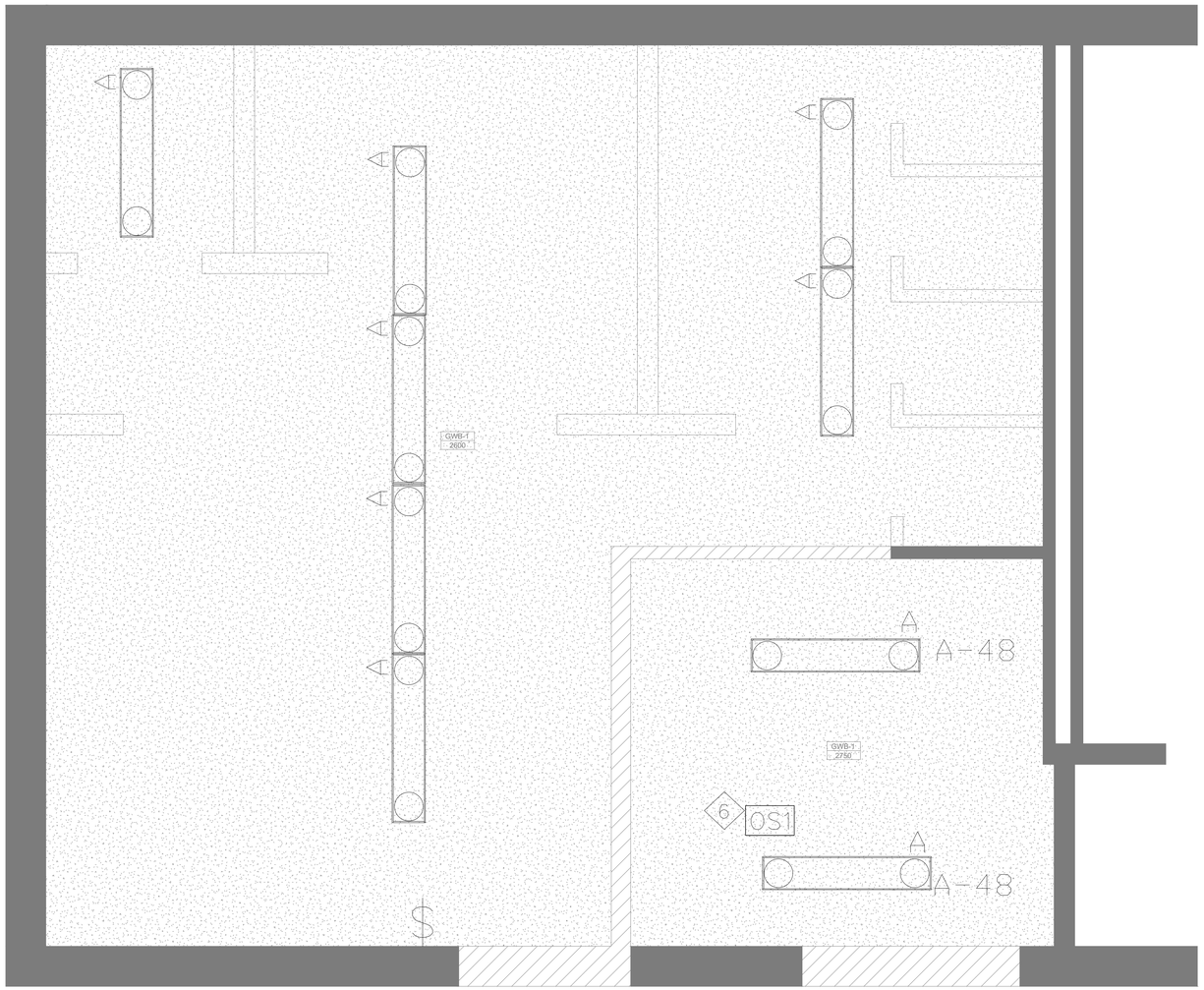
PROJECT :
ST. JAMES CATHOLIC SCHOOL
10 CLOVER RIDGE WEST, AJAX, ONTARIO

PROFESSIONAL SEAL :

DWG TITLE :
PROPOSED POWER AND LIGHTING PLAN

REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
208 Wyecroft Road, Suite 200, Oakville, ON L6K 3S3
PHONE (905)844-3913
www.regal-eng.com

DATE : MAR 2026
SCALE : AS SHOWN
DRAWN BY: SY
CHECKED BY : MA
DWG STATUS :
PROJECT No. : 2025-504-3
DRAWING No. : E3.0-A-2
REVISION



PROPOSED POWER NOTES:

1. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW LIGHTING FIXTURE WITH RE-UTILIZE THE EXISTING LIGHTING CIRCUIT FEEDING FROM PANEL -F LOCATE IN GYM STORAGE RM 139.
2. CONTRACTOR TO INSTALL OCCUPANCY SENSORS FOR CONTROL OF LIGHTING IN B/F WASHROOM.
3. EXHAUST FAN SHALL INTERLOCK WITH THE LIGHTING FIXTURES,OCCUPANCY SENSOR SHALL CONTROL THE LIGHTING FIXTURES AND THE EXHAUST FAN.

1 / E3.0 PROPOSED POWER AND LIGHTING LAYOUT
SCALE 1:20

ISSUE OR REVISION

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PROJECT :
ST. JAMES CATHOLIC SCHOOL
10 CLOVER RIDGE WEST, AJAX, ONTARIO

PROFESSIONAL SEAL :

DWG TITLE :
PROPOSED POWER AND LIGHTING PLAN

REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
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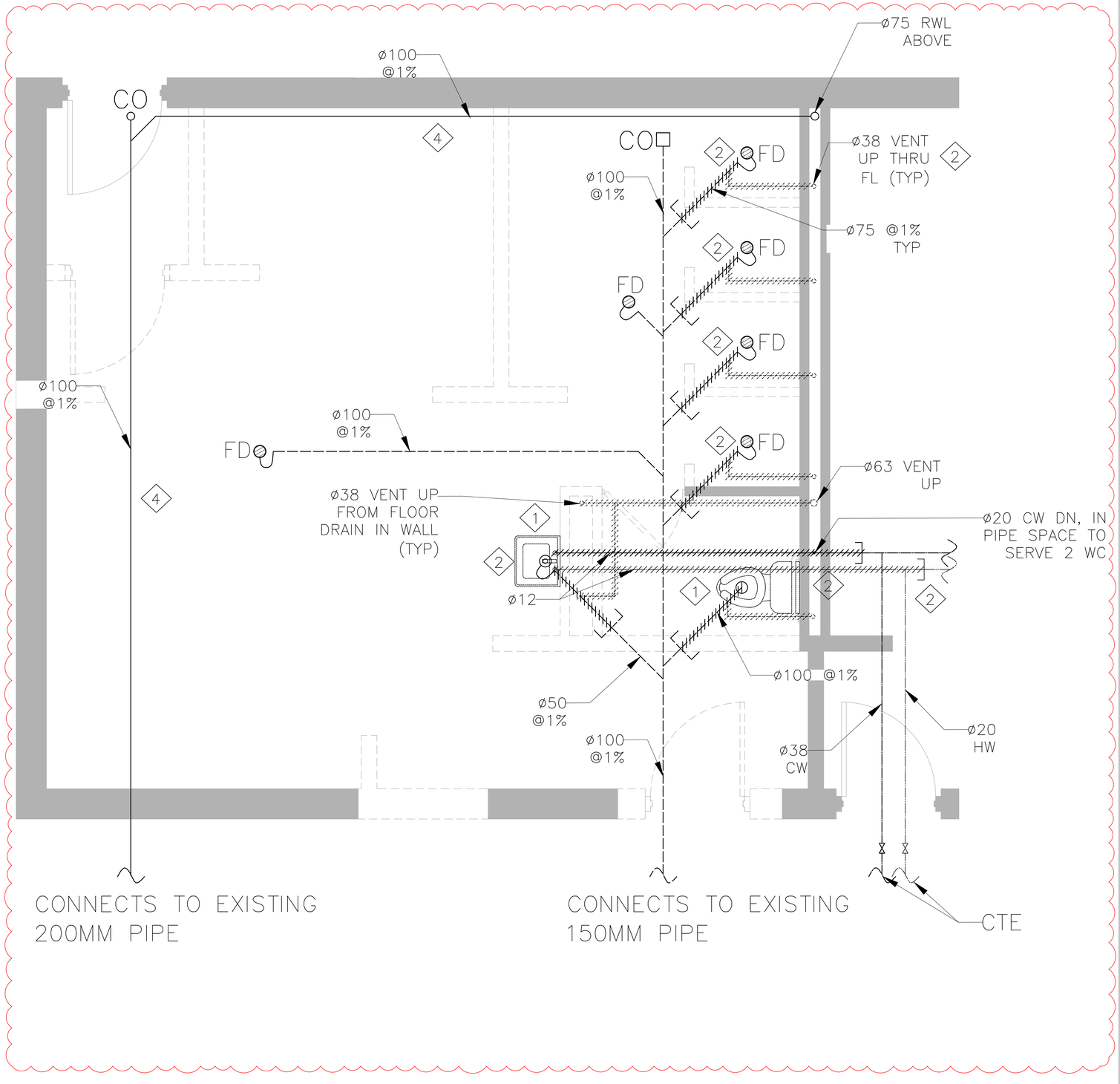
DATE : MAR 2026
SCALE : 1:20
DRAWN BY: SY
CHECKED BY : MA
DWG STATUS :
PROJECT No. : 2025-504-3
DRAWING No. : E3.1 -A-2
REVISION



DRAWING NOTES

1	DISMANTLE AND REMOVE THE EXISTING PLUMBING FIXTURES AND ASSOCIATED ACCESSORIES.
2	DISMANTLE, CAP AND SEAL THE EXISTING DRAIN AND PLUMBING LINES AND ASSOCIATED ACCESSORIES.
3	CONTRACTOR TO PERFORM A FLOOR SCAN AND LOCATE THE EXACT LOCATION OF THE EXISTING SANITARY DRAIN PIPE, BEFORE THE COMMENCEMENT OF WORK.
4	WHEN REMOVING AND REINSTALLING THE CEILING THE STORM DRAIN LINES TO BE REMAINED.

1 M2.0 DEMOLITION PLAN – DRAINAGE AND PLUMBING
SCALE 1:20

ISSUE OR REVISION

No.	Description	Date
1	Issued for Tender	24th Mar. 2026
2	Issued for Building Permit	24th Mar. 2026
3	Issued for Addendum ME-1	17th April 2026
4	Issued for Addendum ME-2	21st April 2026
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PROJECT :
ST. JAMES CATHOLIC SCHOOL
10 CLOVER RIDGE WEST, AJAX, ONTARIO

PROFESSIONAL SEAL :

DWG TITLE :
DEMOLITION PLAN -DRAINAGE AND PLUMBING

REGAL CONSULTING ENGINEERS INC.
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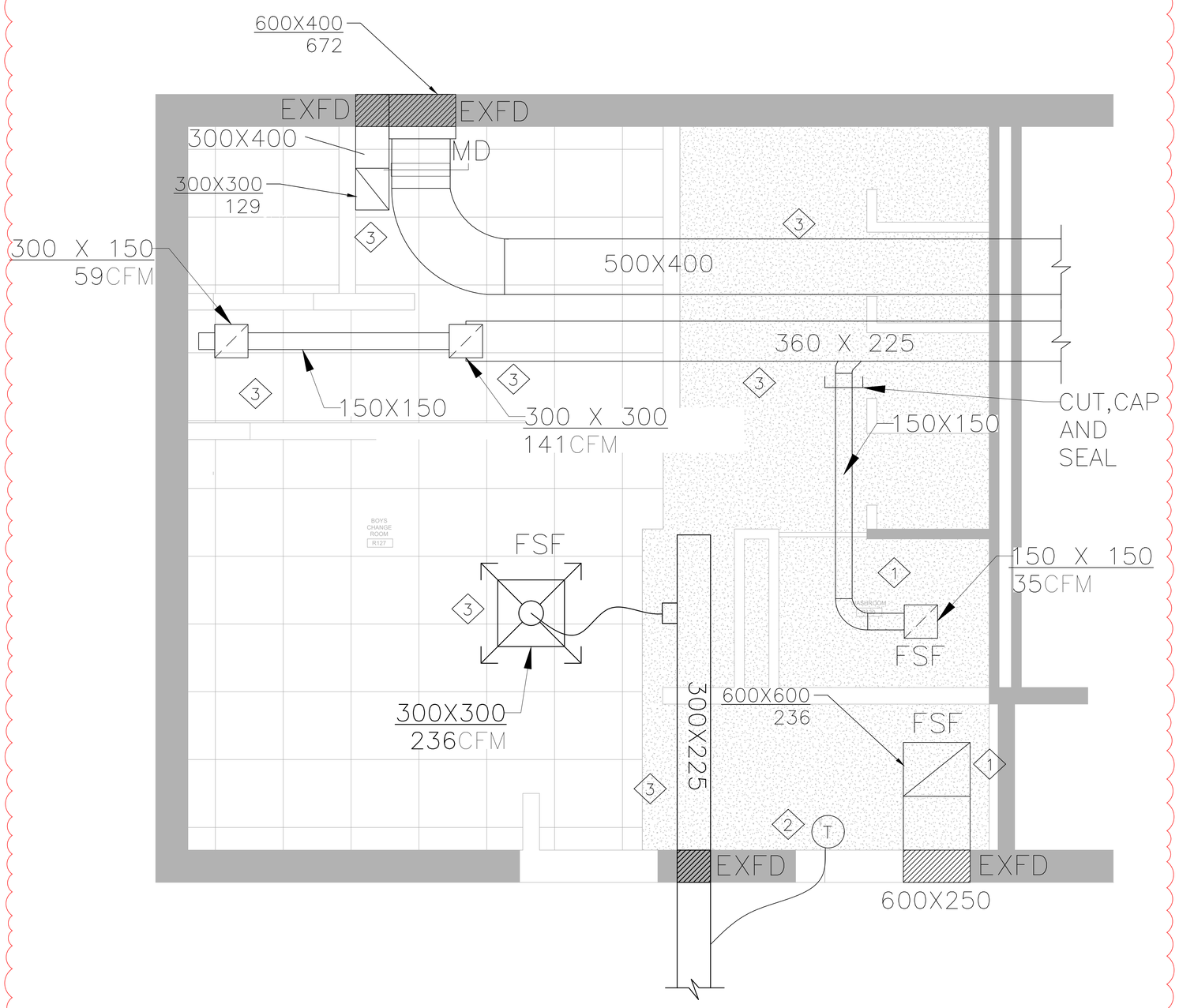
DATE : MAR 2026
SCALE : AS SHOWN
DRAWN BY: TD
CHECKED BY : MA
DWG STATUS :
PROJECT No. : 2025-504-3
DRAWING No. : M2.0 -A-2
REVISION



1 M2.0 DEMOLITION PLAN – HVAC
SCALE 1:20

DRAWING NOTES

1	DISMANTLE AND REMOVE THE EXISTING HVAC FIXTURES AND ASSOCIATED ACCESSORIES. CAP AND SEAL THE DUCT WORK, AND OPENINGS TO MATCH THE EXISTING AS REQUIRED. THE OPENINGS IN THE FIRE RATED WALLS TO BE SEALED WITH FIRE RATED MATERIAL AS REQUIRED.
2	REMOVE AND REINSTALL THE TEMPERATURE SENSOR
3	CONTRACTOR TO REMOVE AND REINSTALL THE EXISTING DIFFUSERS, GRILLS AND OTHER ACCESSORIES DURING THE CEILING REMOVAL AND REINSTALLATION

GENERAL DEMOLITION NOTES

1. EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
2. EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES AND EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
4. ALL OPENING THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
5. REMOVAL OF EXISTING PIPING OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTING, ETC.
6. MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR MODIFIED.
7. INSTALL NEW SYSTEM OF SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.

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PROJECT :
ST. JAMES CATHOLIC SCHOOL
10 CLOVER RIDGE WEST, AJAX, ONTARIO

PROFESSIONAL SEAL :

DWG TITLE :
DEMOLITION PLAN - HVAC

REGAL CONSULTING ENGINEERS INC.
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PROJECT No. : 2025-504-3
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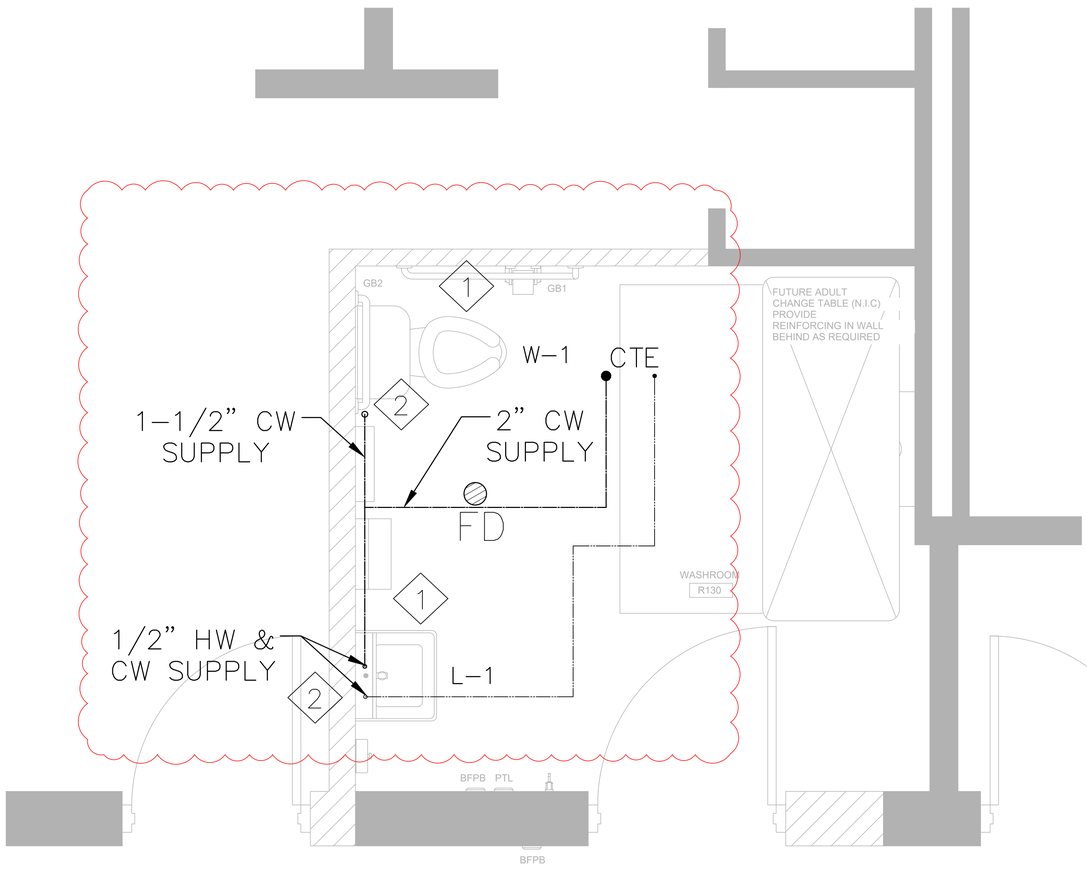
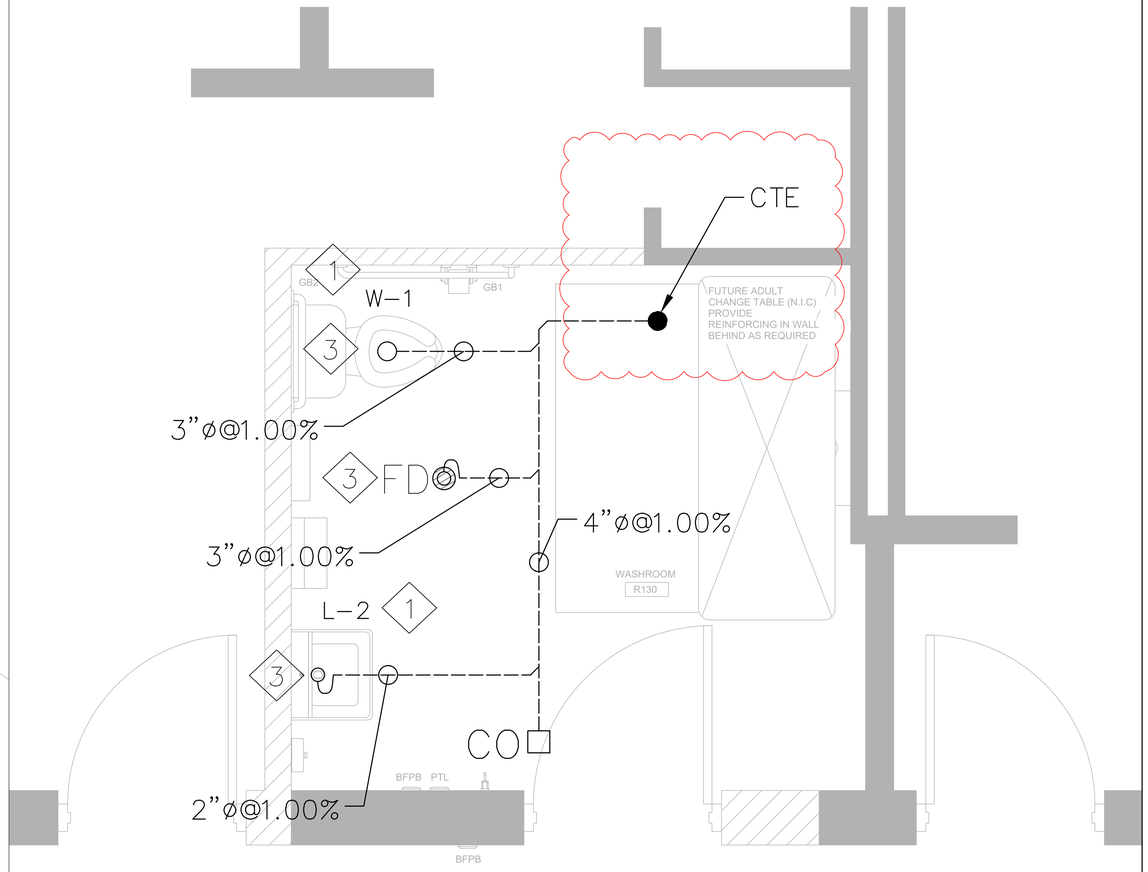


1 M3.0 PROPOSED PLUMBING PLAN
SCALE 1:15



1 M3.0 PROPOSED DRAINAGE PLAN
SCALE 1:15

DRAWING NOTES

1	SUPPLY AND INSTALL NEW FIXTURE UNITS AT THE LOCATION SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION. PROVIDE HOT, COLD WATER AND HOT WATER RE-CIRCULATION CONNECTIONS, SANITARY DRAIN CONNECTIONS, P-TRAPS AND ALL ACCESSORIES AS NEEDED TO MAKE A COMPLETE INSTALLATION AS SHOWN.
2	PROVIDE AND INSTALL NEW DOMESTIC COLD WATER, HOT WATER AND HOT WATER RE-CIRCULATION PIPES FROM THE CEILING SPACE AND CONNECT TO THE NEW PLUMBING FIXTURES ALONG WITH FITTINGS, SUPPORT, VALVES, INSULATION ETC.
3	PROVIDE AND INSTALL NEW SANITARY DRAIN PIPES ALONG WITH P TRAPS, CLEAN OUT AND ALL ASSOCIATED ACCESSORIES AND CONNECT TO THE NEW PLUMBING FIXTURES AS SHOWN.
4	CONTRACTOR TO PROVIDE 3"Ø VENT PIPE RISER TO THE CEILING SPACE AND CONNECT TO THE EXISTING VENTING SYSTEM AS PER OBC AND LOCAL AHJ.
5	MECHANICAL TRADE TO SCAN THE FLOOR TO FIND THE EXACT LOCATION OF THE UNDERGROUND EXISTING SANITARY LINE. CONNECT THE NEW SANITARY LINE TO THE EXISTING. THE CONTRACTOR TO CUT AND REMOVE THE CONCRETE SLAB AS REQUIRED TO COMPLETE THE PLUMBING SCOPE.

ISSUE OR REVISION

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PROJECT :
ST. JAMES CATHOLIC SCHOOL
10 CLOVER RIDGE WEST, AJAX, ONTARIO

PROFESSIONAL SEAL :

DWG TITLE :
PROPOSED PLUMBING AND DRAINAGE LAYOUT

RCEI
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DATE : MAR 2026
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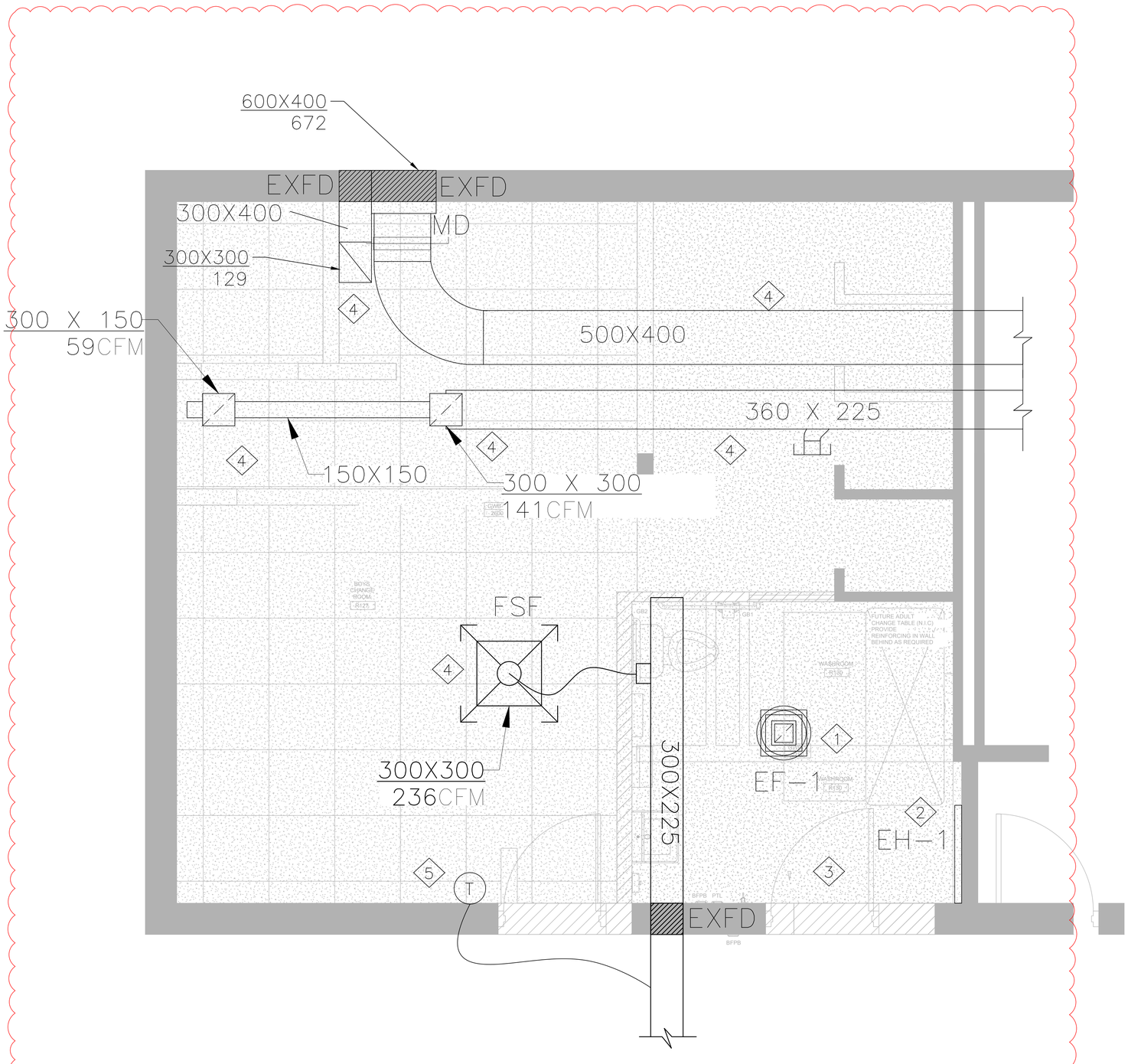
DWG STATUS :
PROJECT No. : 2025-504-3
DRAWING No. : M3.0-A-2
REVISION



1 M2.0 PROPOSED HVAC PLAN
SCALE 1:20

DRAWING NOTES

1	SUPPLY AND INSTALL NEW EXHAUST FAN WTH A ROOF CURB. ROOFING WORK TO BE DONE 3FT AROUND THE EQUIPMENT BY THE APPROVED ROOFING CONTRACTOR FOR THE SCHOOL BOARD
2	SUPPLY AND INSTALL AN ELECTRIC HEATER.
3	ARCHITECT TO PROVIDE A DOOR WITH AN UNDERCUT
4	CONTRACTOR TO REINSTALL THE MECHANICAL EQUIPMENT IN THE CEILING AFTER NEW CEILING INSTALLATION.
5	CONTRACTOR TO REINSTALL THE TEMPERATURE SENSOR

ISSUE OR REVISION

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PROJECT :
ST. JAMES CATHOLIC SCHOOL
10 CLOVER RIDGE WEST, AJAX, ONTARIO

PROFESSIONAL SEAL :

DWG TITLE :
PROPOSED HVAC LAYOUT

RCEI
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PROJECT No. :	2025-504-3
DRAWING No. :	M3.1-A-2
REVISION	

Durham Catholic District School Board
652 Rossland Road West
Oshawa, ON
L1J 8M7

April 13, 2026

Attention: Prasath Vinayagamoorthy P. Eng., CEM
Subject: Project-Specific, Pre-Renovation Designated Substances Survey
Universal Washroom Upgrades – St. John the Evangelist CES
1103 Giffard Street, Whitby, ON L1N 2S3

Englobe File No.: 02603728.000

1 Introduction

Englobe Corp. (Englobe) was retained by Durham Catholic District School Board (the Client) to conduct a Project-Specific, Pre-Renovation Designated Substances Survey (DSS) in support of the planned universal washroom upgrades project at St. John the Evangelist Catholic Elementary School located at 1103 Giffard Street, Whitby, Ontario (the Site).

This DSS has been prepared in response to the building owner's legal obligations under Section 30 of the Occupational Health and Safety Act (OHSA), R.S.O 1990, Chapter 0.1 (the Act). The Act defines Designated Substances that may be present within buildings or structures and sets forth regulations for managing and handling these Designated Substances. Section 30 of the Act requires that, prior to beginning a construction project, including building demolition or renovation, a document detailing the presence of these substances must be available to contractors and subcontractors requesting tenders or directly awarded the work.

2 Scope of Work

Englobe's scope of work included performing a DSS within accessible project-specific work areas. The survey work included the 11 Designated Substances listed in Section 30 of the Act. Designated Substances, as identified under the OHSA, are as follows:

- Acrylonitrile
- Arsenic
- Asbestos
- Benzene
- Coke Oven Emissions
- Ethylene Oxide
- Isocyanates
- Lead
- Mercury
- Silica
- Vinyl Chloride

Other Hazardous Materials that are not classified as Designated Substances, but were included as part of the survey and considered pertinent due to applicable regulations, best practice guidelines and/or potential risks to human health and/or the environment, are:

- Polychlorinated Biphenyls (PCBs)
- Halocarbons
- Mould
- Other hazardous materials, as deemed pertinent.

3 Methodology

3.1 Site Assessment

The field program for this survey was completed by Englobe on March 31, 2026. The purpose of the survey program was to identify Designated Substances and Hazardous Materials that may be disturbed during the reported renovation project which includes converting an existing washroom into a universal washroom. The survey was non-destructive in nature.

Prior to the assessment, the Client provided Englobe with the drawing titles “St. John the Evangelist Catholic School”, prepared by Regal Consulting Engineers Inc., dated March 2026. Based on the review of project-specific drawings, Englobe’s assessment was limited to Room 111A, Room 111B, and select portions of the adjacent Corridor.

Materials suspected of containing Designated Substances were visually identified based on the surveyor's knowledge of the historical composition of building products. Materials suspected of containing Designated Substances other than asbestos or lead (in paint and mortar) were identified by appearance, age, and knowledge of historical applications. Visual identification of materials suspected to contain asbestos, or lead (in paint and mortar) was supported by the collection and analysis of a limited number of representative samples, where applicable.

Project drawings are included in Appendix A. Photographs are included in Appendix B. Laboratory certificates of analysis are provided in Appendix C. Hazardous Materials Data Room by Room Sheets are included in Appendix D. A Statement of Limitations is included in Appendix E.

3.2 Asbestos-Containing Material Methodology

In Ontario, a material is defined as an Asbestos-Containing Material (ACM) if the material has a minimum asbestos content of 0.5 per cent (%) by dry weight, as per O. Reg. 278/05, *Designated Substance – Asbestos on Construction Projects and in Buildings and Repair Operations* enabled under the Act, as amended. ACMs can be divided into two categories: friable and non-friable material. A friable ACM is a material that can be crumbled, powdered, or pulverized by hand pressure and can readily release fibres when disturbed. Common applications of friable ACMs are sprayed or trowelled surfacing materials (e.g., sprayed fireproofing and textured coatings) as well as mechanical and thermal insulation. Non-friable materials are materials that will generally release fibres only when cut or shaped. Common non-friable ACMs include vinyl floor products, caulking applications, plaster, asbestos textile products and asbestos cement products (Transite). Some of these products may become friable with time or when disturbed.

Representative bulk samples of suspected ACMs were collected by Englobe during the site investigation. Samples were collected in order to meet the bulk sampling requirements stipulated in O. Reg. 278/05, as amended. The bulk samples were submitted to and analyzed by an accredited, third-party laboratory. All bulk asbestos samples collected by Englobe were analyzed using the regulated Ontario detection limit of 0.5%. Samples followed a stop-positive methodology, where the remaining samples in a series would not be analyzed if any one sample in the series had a concentration of asbestos greater than or equal to 0.5%.

3.3 Lead-Containing Material Methodology

With regards to lead in paint, although the Ontario Ministry of Labor, Training and Skills Development (MLTSD) has published a guideline for control of lead exposures on construction projects in Ontario, it does not include criteria for the classification of lead-paint. Instead, it uses presumed airborne lead concentrations for specific tasks as criteria for classifying work. The Environmental Abatement Council of Canada (EACC) has published the Lead Guideline for Construction, Renovation, Maintenance or Repair (October 2014). This document outlines that paints or surface coatings containing less than or equal to 0.1% lead by weight (1,000 ug/g or 1,000 mg/kg or 1,000 ppm lead) are considered low-level lead paints or surface coatings. If these materials (and the surfaces to which they are applied) are disturbed in a non-aggressive manner, performed using normal dust control procedures and are completed so that the Time Weighted Average (TWA) for Particles Not Otherwise Specified (PNOS) is not exceeded, then worker protection from the inhalation of lead is not required. For the purposes of this survey, paints and mortars having a lead concentration above 5,000 µg/g, between 5,000 µg/g and 1,000 µg/g and below 1,000 µg/g are considered lead-based, lead-containing and low-level lead paints/mortars, respectively.

Representative lead paint sample was collected and submitted by Englobe for lead content analysis. The lead in paint sample was submitted to and analyzed by an accredited, third-party laboratory. The lead in paint sample was analyzed using Inductively Coupled Plasma (ICP) - Optical Emission Spectroscopy (OES) in accordance with US EPA SW 846 Reference Method 6010.

3.4 Polychlorinated Biphenyl (PCB) Containing Equipment Methodology

PCBs, also known as Chlorobiphenyls, are hazardous chemicals which were used in the manufacturing of a variety of equipment, such as electrical equipment, heat exchangers, hydraulic systems, and for several other specialized applications. PCBs are commonly found within electrical ballasts manufactured prior to 1981, found within fluorescent light fixtures and high intensity discharge lamps.

Equipment that may contain PCBs (e.g., electrical transformers and fluorescent light ballasts) can often be identified by examining manufacturer's labels. For safety reasons, Englobe personnel do not remove the ballast shields from fluorescent light fixtures to examine the ballast codes unless the electrical circuit for the lighting had been tagged and locked out by a qualified electrician. When possible, the manufacture name and catalogue number is recorded. Where not clearly labelled as "Non-PCB", the information presented on the ballast labels can be compared with the Environment Canada document entitled "Identification of Lamp Ballasts Containing PCBs (Revised August 1991)" to confirm PCB content, or assumed to contain PCBs, as applicable.

Light fixtures with T12 lamps are more likely to contain ballasts that were manufactured prior to 1981. T8, T5, and T4 lamps are associated with light fixtures that were manufactured after the phase-out of PCB-containing ballasts. The letter "T" denotes the shape of the light fixture (e.g., tubular) and the number which follows indicates the diameter in eights of an inch. An extensive PCB survey and inventory was not completed as part of Englobe's scope of work.

3.5 Halocarbon-Containing Equipment Methodology

Halocarbons include chemicals containing chlorofluorocarbon ("CFC"), hydrochlorofluorocarbon ("HCFC"), halon or any other material capable of destroying ozone in the atmosphere. Ozone Depleting Substances are controlled by O. Reg. 463/10, as amended and the Federal Halocarbons Regulation.

Equipment that may contain halocarbons (e.g., air conditioning and refrigeration equipment) can often be identified by examining manufacturer's labels. The investigation of halocarbons was performed through the identification of equipment requiring refrigerants as part of the survey process followed by an evaluation for labels on the equipment (indicating the type of refrigerant present). An extensive halocarbon survey and inventory was not completed as part of Englobe's scope of work.

3.6 Other Designated Substances and Hazardous Materials Methodology

The methodology for the identification of other Designated Substances and Hazardous Materials followed the same visual evaluation methodology as the investigation for asbestos and lead in surface coatings. During the survey, other identified Designated Substances were visually identified based on the surveyor's historical knowledge of these substances. These substances/materials were identified, and locations noted, as deemed applicable.

4 Findings

The following sections outline the complete findings of all accessible Designated Substances and hazardous building materials that were assessed within the project areas.

Englobe made attempts to evaluate the project areas to identify Hazardous Materials present. In spite of these efforts, some Designated Substances or Hazardous Materials may be concealed and not observed at the time of the survey. As such, should any previously unidentified suspect Designated Substances or Hazardous Materials be encountered as part of future work, these materials are to be treated as Designated Substances or Hazardous Materials and handled accordingly, unless additional assessment confirms otherwise.

4.1 Asbestos

Table 1 below presents the findings of bulk asbestos material samples collected from and applicable to the project areas, based on visual observations at the time of the site survey:

Table1: Summary of Bulk Samples Analyzed for Asbestos Analysis

Sample I.D.	Sample Location	Sample Description	Asbestos Content
02603728.000-DSS-01A	Corridor	12"x12" Vinyl Floor Tile, Beige with Grey Flecks	None Detected

Table1: Summary of Bulk Samples Analyzed for Asbestos Analysis			
Sample I.D.	Sample Location	Sample Description	Asbestos Content
02603728.000-DSS-01A	Corridor	2nd Layer – Black Mastic associated with 12"x12" Vinyl Floor Tile, Beige with Grey Flecks	None Detected
02603728.000-DSS-01B	Corridor	12"x12" Vinyl Floor Tile, Beige with Grey Flecks	None Detected
02603728.000-DSS-01B	Corridor	2nd Layer – Black Mastic associated with 12"x12" Vinyl Floor Tile, Beige with Grey Flecks	None Detected
02603728.000-DSS-01C	Corridor	12"x12" Vinyl Floor Tile, Beige with Grey Flecks	None Detected
02603728.000-DSS-01C	Corridor	2nd Layer – Black Mastic associated with 12"x12" Vinyl Floor Tile, Beige with Grey Flecks	None Detected
02603728.000-DSS-02A	Corridor	Concrete Block Mortar on Wall	None Detected
02603728.000-DSS-02B	Corridor	Concrete Block Mortar on Wall	None Detected
02603728.000-DSS-02C	Washroom 2	Concrete Block Mortar on Wall	None Detected
02603728.000-DSS-03A	Washroom 1	Thin set Mortar under Ceramic Floor Tiles	None Detected
02603728.000-DSS-03B	Washroom 1	Thin set Mortar under Ceramic Floor Tiles	None Detected
02603728.000-DSS-03C	Washroom 1	Thin set Mortar under Ceramic Floor Tiles	None Detected
02603728.000-DSS-04A	Washroom 1	Grey Ceramic Tile Grout on Floor	None Detected
02603728.000-DSS-04B	Washroom 1	Grey Ceramic Tile Grout on Floor	None Detected
02603728.000-DSS-04C	Washroom 1	Grey Ceramic Tile Grout on Floor	None Detected

Note: **Bold** items represent materials that contain greater than 0.5% asbestos by dry weight.

Based on the analytical results in Table 1, none of the sampled materials contain regulated amounts of asbestos.

Ceiling tiles (2'x4' with small pinhole and widthwise fissure pattern) observed throughout the assessed area was noted to have a date stamp of 05/17/19 and, as such, are not suspected to contain asbestos and were not sampled by Englobe during the assessment.

Englobe made representative openings into concrete block walls to assess the presence of loose-fill vermiculite insulation. At the time of the assessment, Englobe did not observe any vermiculite insulation.

No suspected/presumed ACMs were noted within the visibly accessible areas.

4.2 Lead

Table 2 below presents the findings of bulk lead in sample collected from and applicable to the project areas, based on visual observations at the time of the site survey.

Table 2: Summary of Bulk Samples Analyzed for Lead Content

Sample I.D.	Sample Location	Material Description	Lead Content
02603728.000-DSS-LP01	Corridor	White Paint on Concrete Block Wall	160 ppm

Note: **Bold** items contain greater than 1,000 ppm of lead.

Based on the analytical results outlined in Table 2, paint described as white applied to concrete block wall is considered to be low-level lead.

Lead is assumed to be present in the following materials:

- Other paints not observed and/or sampled; and
- Solder associated with metal piping.

4.3 Mercury

Light fixtures are presumed to be equipped with fluorescent light tubes and, as such, suspected to contain mercury vapour.

No other mercury-containing equipment was observed within the assessed areas.

4.4 Silica

Silica is expected to be present as a natural component within building materials such as concrete block, mortars, ceiling tiles, ceramic tiles, grout, thin set, and vinyl floor tiles.

4.5 PCBs

Light fixtures equipped with presumed mercury-containing light tubes are presumed to be equipped with PCB-containing ballasts.

No other suspect PCB-containing equipment was observed within the assessed areas.

4.6 Other Designated Substances

The following other Designated Substances were neither observed, nor suspected of being present, in forms or quantities that would impact planned work operations of the planned project:

- Acrylonitrile
- Arsenic
- Asbestos
- Benzene
- Coke Oven Emissions
- Ethylene Oxide
- Isocyanates
- Vinyl Chloride
- ODS

5 Conclusions and Recommendations

Based on bulk sampling, laboratory analyses, and observations made during the site investigation, the following Designated Substances and Hazardous Materials have been confirmed within the project area:

- Lead
- Silica
- Mercury
- PCBs

Englobe's recommendations for these Designated Substances and Hazardous Materials, which are based upon both regulatory compliance and best practice guidelines, are included in the following sections below.

It should be noted that some Designated Substances and Hazardous Materials may be concealed and thus may not have been visible or apparent at the time of Englobe's site survey. Should any unidentified suspect substances be encountered as part of future work, these materials are to be treated as hazardous and handled accordingly, unless sampling proves otherwise.

5.1 Lead

The Ontario MLTSD have published a guideline entitled "Guideline: Lead on Construction Projects". This document classifies all lead disturbances as Type 1, Type 2a, Type 2b, Type 3a or Type 3b work, and assigns different levels of respiratory protection and work procedures for each classification.

Should disturbance to lead be required, follow appropriate lead safety precautions in accordance with the above-noted guideline.

The TWAEL for airborne lead is prescribed by O. Reg. 490/09, as amended. Work procedures and personal protective equipment must be used to ensure that workers are not exposed to airborne lead levels that exceed this TWAEL.

In the event of conflict between lead precautionary measures and other precautionary measures (e.g., asbestos, silica, etc.), the more stringent procedures shall apply.

The disposal of construction waste containing lead is governed by O. Reg. 347/90, as amended. The transport of the waste to the disposal site is controlled by the federal Transportation of Dangerous Goods Act (TDGA), 1992 and the Ontario Dangerous Goods Transportation Act (DGTA). Materials with elevated concentrations of lead are subject to toxicity characteristic leaching procedure (TCLP) testing to determine toxicity with respect to lead prior to disposal, in accordance with O. Reg. 347/90, as amended.

5.2 Silica

The Occupational Health and Safety Branch of the Ontario MLTSD have published *Guideline: Silica on Construction Projects*. This document classifies all silica disturbances as Type 1, Type 2 or Type 3 work, and assigns different levels of respiratory protection and work procedures for each classification. This guideline should be followed during disturbance of silica-containing materials.

As a general rule, it is preferable to use more stringent dust suppression techniques and engineering controls as opposed to relying on respiratory protection to control worker exposure. Respiratory protection should only be relied on as a last resort when dust suppression techniques and engineering controls fail to control worker exposure.

The TWA exposure limit (TWAEL) for airborne silica is prescribed by O. Reg. 490/09, as amended. Work procedures and personal protective equipment must be used to ensure that workers are not exposed to airborne silica levels that exceed the TWAEL.

5.3 Mercury

When removal of the fluorescent light tubes is required, the tubes should be removed intact from the fixtures. This prevents worker exposure to mercury vapour, particularly if the tubes were energized shortly before removal. Other sources of liquid mercury should be removed in a similar fashion (intact) to prevent worker exposure.

There are no regulations that specifically govern the disturbance of mercury on construction projects. However, the MLTSD has published “The Safe Handling of Mercury: A Guide for the Construction Industry.” This document provides advice on how to reduce the risk of mercury exposure and outlines clean-up methods for spills. In the absence of specific legislation for mercury on construction projects, this guideline would serve as a reasonable, peer-reviewed standard for work procedures.

Mercury is classified as a hazardous waste under by O. Reg. 347/90, as amended. The transport of the waste to the disposal site is controlled by the federal Transportation of Dangerous Goods Act (TDGA), 1992. It is now customary practice to recycle fluorescent light tubes, and items containing liquid mercury, such as mercury filled ampoules, recovering the component materials, and avoiding the generation of hazardous waste.

5.4 PCBs

Prior to removal or disposal, the PCB content of equipment should be confirmed to determine proper procedures to be followed. When the fluorescent light fixtures and HID lamps are taken out of service, the ballasts should be examined to determine whether they contain PCBs. This can be done by comparing the manufacturer date codes stamped on the ballasts to information contained in the document titled Identification of Lamp Ballasts Containing PCBs, published by Environment Canada. Ballasts that contain PCBs must be packaged, transported, and disposed of in accordance with all appropriate provincial and federal regulations.

If PCB-containing equipment and/or materials are identified and must be removed, they should be disposed of in accordance with the Canadian Environment Protection Act’s PCB Regulations, O. Reg. 362/90 Waste Management, PCBs, and O. Reg. 347/90, as amended, are regulated

under the Environmental Protection Act to regulate the handling, storage and transportation of hazardous substances and waste dangerous goods. The transport of PCB waste to the disposal site is controlled by the federal TDGA and Ontario DGTA.

6 Closure

A Statement of Limitations section, which forms an integral part of this report, is attached.

We trust that the information contained herein meets your needs. Should you have any questions or comments, please do not hesitate to contact us.

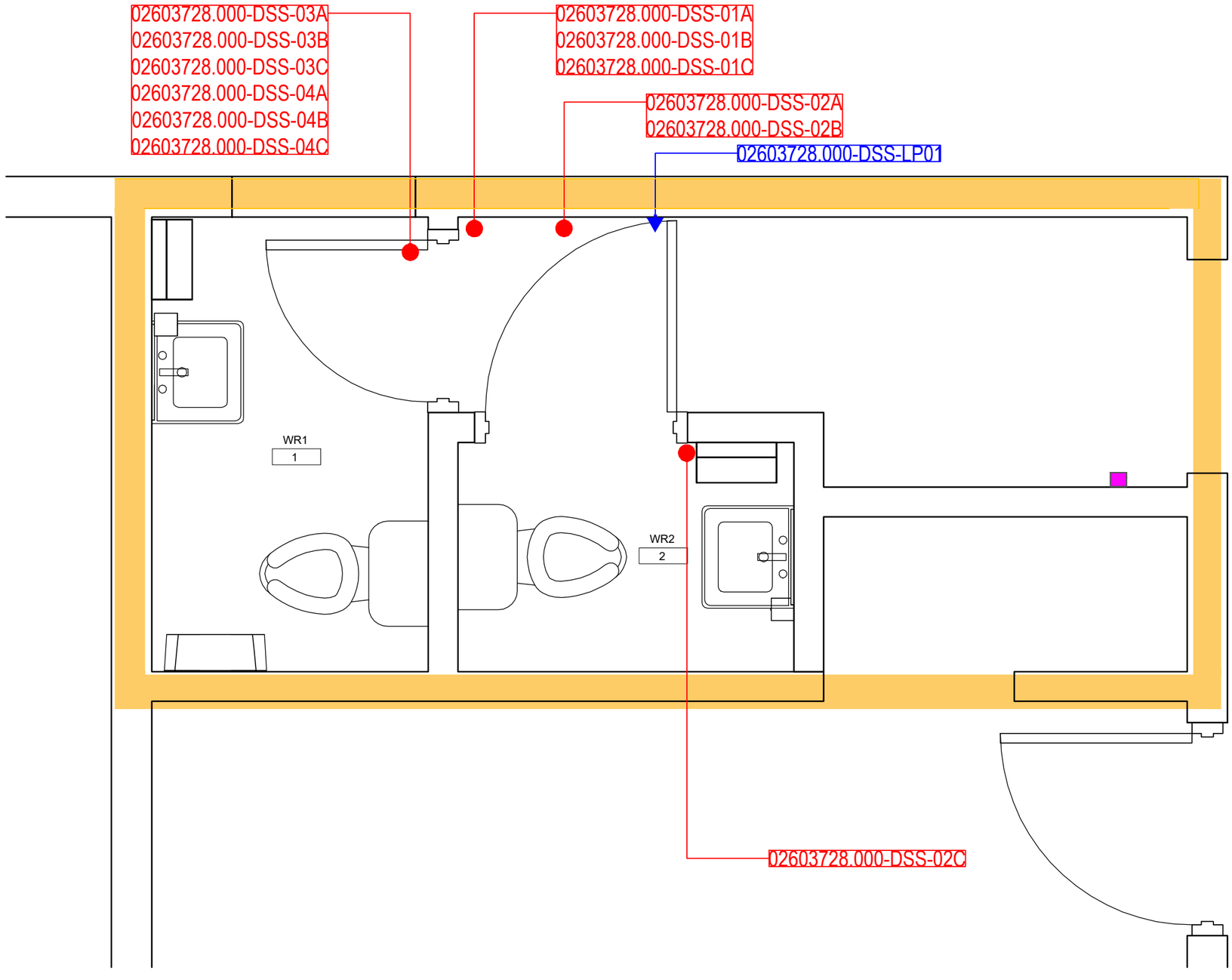
For Englobe Corp.

Mia Porras, Civil Engineering Tech. (dipl.), WRT
Hygiene, Health and Safety Technician
HHS, GTA & SWO

James Kassabian
Project Manager
HHS, GTA & SWO

APPENDIX A

Project Drawings



Note

1. This drawing shall be read in conjunction with the associated technical report.
2. Do not scale drawing.
3. Base plan provided by client.

Legend

Samples Collected By Englobe:

- Approximate Location of Asbestos Bulk Sample
- Approximate Location of Lead Paint Coatings Sample
- Approximate Drill Location for Vermiculite Investigation
- Assessed Area

Client
Durham Catholic District School Board

Site
1103 Giffard Street, Whitby, ON

Report Title
Project-Specific, Pre-Renovation Designated Substances Survey Universal Washroom Upgrades at St. John the Evangelist CES

Drawing Title
Sample Location Plan

Designed By: E.R.	Scale: N.T.S.
Drawn By: E.R.	Date: April 2026
Approved By: J.K.	Project No.: 02603728.000

Figure No.
1

20 Carlson Court, Suite 300, Etobicoke, Ontario M9W 7K6 Tel: (418) 781-0191 Fax: (418) 781-0186 Website: www.englobecorp.com/canada

APPENDIX B

Representative Photographs

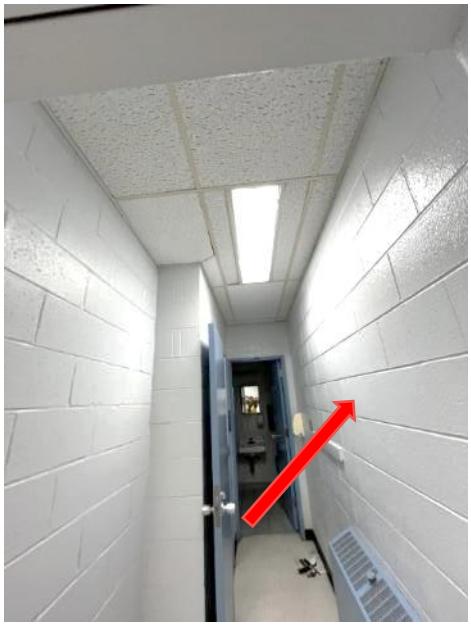


Photo 1. Representative view of low-level lead paint described as white applied to concrete block wall observed in the Corridor.

Photo 2. Representative view of assumed mercury-containing fluorescent light tubes and assumed PCB-containing light ballasts observed in the Corridor.

APPENDIX C

Laboratory Certificates of Analysis

ENGLOBE

EMSL Canada Inc.

2756 Slough Street Mississauga, ON L4T 1G3
Phone/Fax: (289) 997-4602 / (289) 997-4607
http://www.EMSL.com / torontolab@emsl.com

EMSL Canada Order 552606608
Customer ID: 55DST80
Customer PO: 02603728.000
Project ID:

Attn: James Kassabian
Englobe Corp
20 Carlson Court, Suite 300
Etobicoke, ON M9W 7K6

Phone: (519) 624-9804
Fax: (519) 624-5916
Collected:
Received: 4/01/2026
Analyzed: 4/08/2026

Proj: 02603728.000

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 02603728.000-DSS-01A-Vinyl Floor Tile **Lab Sample ID:** **552606608-0001**
Sample Description: Corridor / 12"x12" Vinyl Floor Tile, Beige with Grey Flecks & Associated Black Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray/Beige	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-01A-Mastic **Lab Sample ID:** **552606608-0001A**
Sample Description: Corridor / 12"x12" Vinyl Floor Tile, Beige with Grey Flecks & Associated Black Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray/Black	10.0%	90.0%	None Detected	

Client Sample ID: 02603728.000-DSS-01B-Vinyl Floor Tile **Lab Sample ID:** **552606608-0002**
Sample Description: Corridor / 12"x12" Vinyl Floor Tile, Beige with Grey Flecks & Associated Black Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray/Beige	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-01B-Mastic **Lab Sample ID:** **552606608-0002A**
Sample Description: Corridor / 12"x12" Vinyl Floor Tile, Beige with Grey Flecks & Associated Black Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray/Black	9.0%	91.0%	None Detected	

Client Sample ID: 02603728.000-DSS-01C-Vinyl Floor Tile **Lab Sample ID:** **552606608-0003**
Sample Description: Corridor / 12"x12" Vinyl Floor Tile, Beige with Grey Flecks & Associated Black Mastio

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Tan	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-01C-Mastic **Lab Sample ID:** **552606608-0003A**
Sample Description: Corridor / 12"x12" Vinyl Floor Tile, Beige with Grey Flecks & Associated Black Mastio

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-02A **Lab Sample ID:** **552606608-0004**
Sample Description: Corridor / Concrete Block Mortar on Wall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray/White	0.0%	100.0%	None Detected	

EMSL Canada Inc.

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Phone/Fax: (289) 997-4602 / (289) 997-4607
http://www.EMSL.com / torontolab@emsl.com

EMSL Canada Order 552606608
Customer ID: 55DST80
Customer PO: 02603728.000
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 02603728.000-DSS-02B ***Lab Sample ID:*** **552606608-0005**
Sample Description: Corridor / Concrete Block Mortar on Wall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray/White	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-02C ***Lab Sample ID:*** **552606608-0006**
Sample Description: WR2 / Concrete Block Mortar on Wall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-03A ***Lab Sample ID:*** **552606608-0007**
Sample Description: WR1 / Thinset Mortar under Ceramic Floor Tiles

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-03B ***Lab Sample ID:*** **552606608-0008**
Sample Description: WR1 / Thinset Mortar under Ceramic Floor Tiles

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-03C ***Lab Sample ID:*** **552606608-0009**
Sample Description: WR1 / Thinset Mortar under Ceramic Floor Tiles

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-04A ***Lab Sample ID:*** **552606608-0010**
Sample Description: WR1 / Grey Tile Grout on Ceramic Floor

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-04B ***Lab Sample ID:*** **552606608-0011**
Sample Description: WR1 / Grey Tile Grout on Ceramic Floor

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 02603728.000-DSS-04C ***Lab Sample ID:*** **552606608-0012**
Sample Description: WR1 / Grey Tile Grout on Ceramic Floor

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	4/08/2026	Gray/White	0.0%	100.0%	None Detected	

EMSL Canada Inc.

2756 Slough Street Mississauga, ON L4T 1G3
Phone/Fax: (289) 997-4602 / (289) 997-4607
http://www.EMSL.com / torontolab@emsl.com

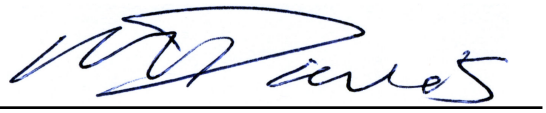
EMSL Canada Order 552606608
Customer ID: 55DST80
Customer PO: 02603728.000
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Analyst(s):

Leslie Tetrick PLM (10)
Sara Poppa PLM (5)

Reviewed and approved by:



Matthew Davis or other approved signatory
or Other Approved Signatory

None Detected = <0.1%. EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This is a summary report; official reports are available on LabConnect or upon request and relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Meriden, CT NVLAP Lab Code 200700-0,

Initial report from: 04/08/202614:09:12

EMSL Canada Inc.
2756 Slough Street, Mississauga, ON L4T 1G3
Phone/Fax: (289) 997-4602 / (289) 997-4607
http://www.EMSL.com torontolab@emsl.com

EMSL Canada Or	552606605
CustomerID:	55DST80
CustomerPO:	99111
ProjectID:	

Attn: **James Kassabian**
Englobe Corp
20 Carlson Court, Suite 300
Etobicoke, ON M9W 7K6

Phone:	(519) 624-9804
Fax:	(519) 624-5916
Received:	4/1/2026 12:40 PM
Collected:	

Project: **02603728.000**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Weight	RDL	Lead Concentration
•02603728.000-DSS-LP01		4/2/2026	0.2537 g	64 ppm	160 ppm
552606605-0001	Site: Corridor/White Paint on Concrete Block Wall				

Rowena Fanto, Lead Supervisor
or other approved signatory

Initial report from 04/08/2026 10:03:22

APPENDIX D

Hazardous Materials Data Room by Room Sheets

ENGLOBE

St. John the Evangelist Catholic Elementary School, 1103 Giffard Street, Whitby, Ontario - Hazardous Materials Room by Room

Floor	Room	Equipment Type	Material Description	Accessibility	Friability	Type	% Present	Condition	Quantity	Units	Sample ID	Control Action	Comments
Ground	Corridor	Floor	12" x 12" VFT, Beige with Grey Flecks	A	-	None Detected	-	-	-	-	02603728.000 - DSS - 01(A-C)	-	
		Floor	2nd Layer - Black Mastic associated with 12"x12" Vinyl Floor Tile, Beige with Grey Flecks	D	-	None Detected	-	-	-	-	02603728.000 - DSS - 01(A-C)	-	
		Wall	Concrete Block Mortar	A, Ce	-	None Detected	-	-	-	-	02603728.000 - DSS - 02(A-B)	-	
		Wall	White Paint on Concrete Block	A, Ce	-	Low-Level Lead	160 ppm	Good	160	SF	02603728.000 - DSS - LP01	-	
		Ceiling	2'x4' Ceiling Tiles, Small Pinholes & Widthwise Fissures	Ce	-	-	-	-	-	-	-	-	Date Stamp of 05/17/19
		Piping	Foil and Fibreglass Pipe Insulation on Straights and Fittings	Cc	-	-	-	-	-	-	-	-	
		Structure	Steel Deck and Beams	Ce	-	-	-	-	-	-	-	-	
		Lights	Fluorescent Light Tubes	D	-	Assumed Mercury-Containing	-	Good	2	EA	-	-	
		Lights	Light Ballasts	D	-	Assumed PCB-Containing	-	Good	1	EA	-	-	
Ground	WR 1 (Room 111B)	Floor	Grey Ceramic Tile Grout	A	-	None Detected	-	-	-	-	02603728.000 - DSS - 04(A-C)	-	
		Floor	Thin set Mortar under Ceramic Floor Tiles	D	-	None Detected	-	-	-	-	02603728.000 - DSS - 03(A-C)	-	
		Wall	Concrete Block Mortar	A, Ce	-	-	-	-	-	-	-	-	
		Wall	White Paint on Concrete Block	A, Ce	-	-	-		-	-	V/S to 02603728.000 - DSS - LP01	-	
		Ceiling	2'x4' Ceiling Tiles, Small Pinholes & Widthwise Fissures	Ce	-	-	-	-	-	-	-	-	Date Stamp of 05/17/19
		Piping	Foil and Fibreglass Pipe Insulation on Straights and Fittings	Cc	-	-	-	-	-	-	-	-	
		Structure	Steel Deck and Beams	Ce	-	-	-	-	-	-	-	-	
		Lights	Fluorescent Light Tubes	D	-	Assumed Mercury-Containing	-	Good	2	EA	-	-	
		Lights	Light Ballasts	D	-	Assumed PCB-Containing	-	Good	1	EA	-	-	
Ground	WR 2 (Room 111A)	Floor	Grey Ceramic Tile Grout	A	-	-	-	-	-	-	-	-	
		Floor	Thin set Mortar under Ceramic Floor Tiles	D	-	-	-	-	-	-	-	-	
		Wall	Concrete Block Mortar	A, Ce	-	None Detected	-	-	-	-	02603728.000 - DSS - 02C	-	
		Wall	White Paint on Concrete Block	A, Ce	-	-	-	-	-	-	V/S to 02603728.000 - DSS - LP01	-	
		Ceiling	2'x4' Ceiling Tiles, Small Pinholes & Widthwise Fissures	Ce	-	-	-	-	-	-	-	-	Date Stamp of 05/17/19
		Piping	Foil and Fibreglass Pipe Insulation on Straights and Fittings	Cc	-	-	-	-	-	-	-	-	
		Structure	Steel Deck and Beams	Ce	-	-	-	-	-	-	-	-	
		Lights	Fluorescent Light Tubes	D	-	Assumed Mercury-Containing	-	Good	2	EA	-	-	
		Lights	Light Ballasts	D	-	Assumed PCB-Containing	-	Good	1	EA	-	-	

NOTES:

1. Asbestos disturbance, abatement, transportation, and disposal shall be performed in accordance with requirements of O. Reg. 278/05 and O. Reg. 347/90.
2. Quantities, conditions, and locations of asbestos-containing materials are to be confirmed on-site prior to material removal or disturbance. All quantities are approximations and are for general reference purposes only. The above quantities and information should be used only as a general guide for abatement costing purposes. No warranties or guarantees are implied or expressed. Bidding contractors are responsible for conducting a thorough walkthrough of the project areas, and draw their own conclusions with respect to site conditions, locations of materials, and quantities that may impact their costing and schedule.
3. Condition, accessibility and action level based on O. Reg. 278/05.
4. V/S is visually similar.

CONDITION:
GOOD - Completely encapsulated, no signs of damage, deterioration, or delamination
FAIR - Minor damage or penetration or ACM that has never been covered.
POOR - Original cover or jacket is damaged or missing. ACM is exposed and amount of missing material/damage is moderate to severe
DEBRIS - Presence of fallen ACM. Major damage and no longer attached to its original component

ACCESSIBILITY:
A - Areas of the building that are accessible to all building occupants
B - Areas of the building that are accessible to Maintenance and Operations staff only, without the need of a ladder
Ce - Areas of the building above 2.5 metres where use of a ladder is required to reach the ACM. ACM is exposed from floor level or ladder, without removing other building component
Cc - Area of the building which require the removal of a building component, including ceiling tile or access panel into solid ceiling.
D - Areas of the building that are behind solid ceilings systems or within wall and ceiling cavities (e.g. areas where building material demolition is required to obtain access).

PRIORITY (ACTION LEVEL):
1 - IMMEDIATE CLEAN UP OF ACM DEBRIS
2 - PRECAUTIONS FOR ACCESS WHICH MAY DISTURB ACM DEBRIS
3 - ACM REMOVAL
4 - PRECAUTIONS FOR WORK WHICH MAY DISTURB ACM IN POOR CONDITION
5 - PROACTIVE ACM REMOVAL
6 - ACM REPAIR
7 - MANANAGEMENT PROGRAM AND SURVEILLANCE

	Good	Fair	Poor	Debris
A	5/7	5/6	3	1
B	7	6/5	3	1
Ce	7	6	4	2
Cc	7	7	4	2
D	7	7	7	7

APPENDIX E

Statement of Limitations

ENGLOBE

Statement of Limitations

This report (hereinafter, the “Report”) was prepared by Englobe Corporation (hereinafter the “Company”) and is provided for the sole and exclusive use and benefit of the Durham Catholic District School Board (the “Client”). Ownership in and copyright for the contents of the Report belong to the Company.

No other person is authorized to rely on, use, copy, duplicate, reproduce or disseminate this Report, in whole or in part and for any reason whatsoever, without the express prior written consent of the Company. Any person using this Report, other than the person(s) to whom it is directly addressed, does so entirely at its own risk. The Company assumes no responsibility or liability in connection with decisions made or actions taken based on the Report, or the observations and/or comments contained within the Report. Others with interest in the site and/or subject matter of this Report should undertake their own investigations and studies to determine how or if they or their plans could be affected.

This Report should be considered in its entirety; selecting specific portions of the Report may result in the misinterpretation of the content.

The work performed by the Company was carried out in accordance with the terms and conditions specified in the Professional Services Agreement between the Company and the Client, in accordance with currently accepted engineering standards and practices and in a manner consistent with the level of skill, care and competence ordinarily exercised by members of the same profession currently practicing under similar conditions and like circumstances in the same jurisdiction in which the services were provided. Standards, guidelines, and practices may change over time; those which were applied to produce this Report may be obsolete or unacceptable later.

The findings, recommendations, suggestions, or opinions expressed in this Report reflect the Company’s best professional judgment based on observations and/or information reasonably available at the time the work was performed, as appropriate for the scope, work schedule and budgetary constraints established by the Client. No other warranty or representation, expressed or implied, is included in this Report including, but not limited to, that the Report deals with all issues potentially applicable to the site and/or that the Report deals with any and all of the important features of the site, except as expressly provided in the scope of work.

This Report has been prepared for the specific site, development, building, design or building assessment objectives and/or purposes that were described to the Company by the Client. The applicability and reliability of the content of this Report, subject to the limitations provided herein, are only valid to the extent that there has been no material alteration or variation thereto, and the Company expressly disclaims any obligation to update the Report. However, the Company reserves the right to amend or supplement this Report based on additional information, documentation or evidence made available to it.

The Company makes no representation concerning the legal significance of its findings, nor as to the present or future value of the property, or its fitness for a particular purpose and hereby disclaims any responsibility or liability for consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

Since the passage of time, natural occurrences, and direct or indirect human intervention may affect the views, conclusions, and recommendations (if any) provided in this Report, it is intended for immediate use.

This Statement of Limitations forms an integral part of the Report.

In preparing this Report, the Company has relied in good faith on information provided by others and has assumed that such information is factual, accurate and complete. The Company accepts no responsibility or liability for any deficiency, misstatement or inaccuracy in this Report resulting from the information provided, concealed, or not fully disclosed by those individuals.

The assessment should not be considered a comprehensive audit that covers and eliminates all present, past, and future risks. The information presented in this Report is based on data collected during the completion of the site assessment conducted. The overall site/building conditions were extrapolated based on information collected at specific sampling locations. Professional judgement was exercised in gathering and analyzing data; however, no sampling methodology can completely eliminate the possibility of obtaining partially imprecise or incomplete information; it can only reduce the possibility to an acceptable level. Consequently, the actual site/building conditions between the sampling points may vary. In addition, analysis has been carried out only for the parameters identified, and it should not be inferred that other hazardous materials are not present.

It is recommended practice that the Company be retained during subsequent phases of the project, to confirm that the conditions throughout the site do not deviate materially from those encountered throughout the sampling program.

Any results from a third-party laboratory or other subcontractors reported herein have been carried out by others, and the Company cannot warrant their accuracy.

This Report is based on the assumption that the design features relevant to our work will be in accordance with applicable codes, standards, and guidelines of practice and constructed substantially in accordance with the Report. If there are any changes to the site development or building construction features, or there is any additional information that was not otherwise available at the time the work was performed, the Company should be retained to review the implications thereof to the contents of this Report. The design recommendations expressed in this Report are applicable only to the project described therein.

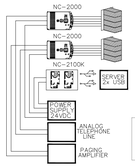
No attempt was made to dismantle, inspect, or test existing equipment other than that which is specifically noted in the report.

LEGEND

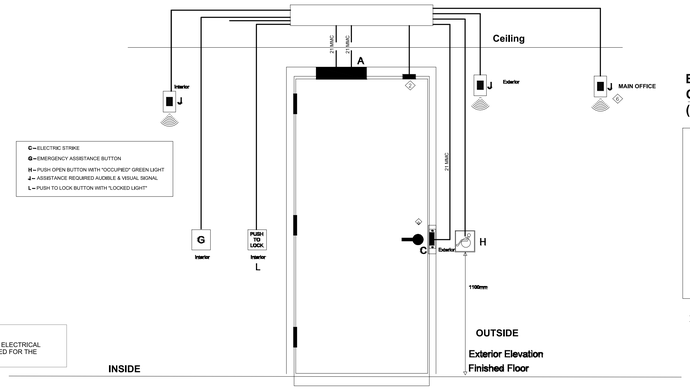
	ELECTRICAL PANEL
	NON-FUSED DISCONNECT SWITCH
	MOTOR CONNECTION (SINGLE OR THREE PHASE)
MSB	MAIN SWITCH BOARD
	15A, 120V DUPLEX T-SLOT GROUND FAULT INTERRUPTER RECEPTACLE.
	DOOR OPERATOR
PL	OUTLET FOR PUSH TO LOCK
PUL	OUTLET FOR PUSH TO UNLOCK
SL	STROBE LIGHT FOR EMERGENCY RESPONSE SYSTEM
PU	PATIENT UNIT FOR EMERGENCY RESPONSE SYSTEM
OL	OCCUPIED LIGHT FOR EMERGENCY RESPONSE SYSTEM
ERS	EMERGENCY RESPONSE SYSTEM
HO	DOOR HOLD OPEN DEVICE
	FIRE ALARM CONTROL PANEL
	PHOTOELECTRIC TYPE SMOKE DETECTOR
	EMERGENCY LIGHTING FIXTURE
EBOX	EMERGENCY LIGHTING FIXTURE AND BATTERY
	AUDIBLE & VISUAL DEVICE
	DIRECT HARDWIRE CONNECTION
PA	PA SPEAKER

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MAKE/MODEL	VOLT	LUMEN	LAMP WATT	LAMP TYPE	LAMP COL.	MOUNT	REMARKS
A	LITELINE 1"X4"CEILING RECESSED LIGHTING FIXTURE, WET LOCATIONS	LITELINE LEDP-14-WH-40-30-120-L EQUALS: PEERLESS-ELECTRIC AND COLUMBIA	120	3190	30	LED	4000	DRYWALL CEILING RECESSED	



NOTE:
1. SERVER TO BE LOCATED IN CHANGE ROOM. ELECTRICAL CONTRACTOR TO PROVIDE POWER REQUIRED FOR THE EMERGENCY RESPONSE SYSTEM.



C – ELECTRIC STRIKE
G – EMERGENCY ASSISTANCE BUTTON
H – PUSH OPEN BUTTON WITH "OCCUPIED" GREEN LIGHT
J – ASSISTANCE REQUIRED AUDIBLE & VISUAL SIGNAL
L – PUSH TO LOCK BUTTON WITH "LOCKED LIGHT"

BARRIER FREE WASHROOM DOOR OPERATOR SCHEMATICS (TYPICAL)

DOOR OPERATOR NOTES:
1. ALL CONDUITS ARE 16MM UNLESS OTHERWISE NOTED.
2. LOCAL DOOR CONTACT FOR DOOR OPERATOR INTERLOCK OPERATION. (THIS DOOR CONTACT IS NOT REQUIRED TO BE CONNECTED TO THE SECURITY SYSTEM.)
3. ALL LOW VOLTAGE WIRING FOR DOOR HARDWARE COMPONENTS TO BE 4#18 AWG, SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. CO-ORDINATE ALL WORK ON SITE.
4. MOUNTING HEIGHT OF ACTUATION, LOCKING, ASSISTANCE REQUIRED/EMERGENCY DEVICES TO BE 990MM TO 1066MM ABOVE FINISHED FLOOR.

ELECTRICAL DRAWING LIST

BARRIER FREE WASHROOM DOOR OPERATOR SCHEMATICS (TYPICAL)

EMERGENCY RESPONSE SYSTEM FOR WASHROOMS

1. CONTRACTOR TO PROVIDE AND INSTALL EMERGENCY RESPONSE SYSTEM FOR THE WASHROOMS.
2. BASIS OF DESIGN IS MIRCOM, EQUIVALENT PRODUCT BY OTERH MANUFACTURERES ACCEPTABLE BASED ON SHOP DRAWING REVIEW.

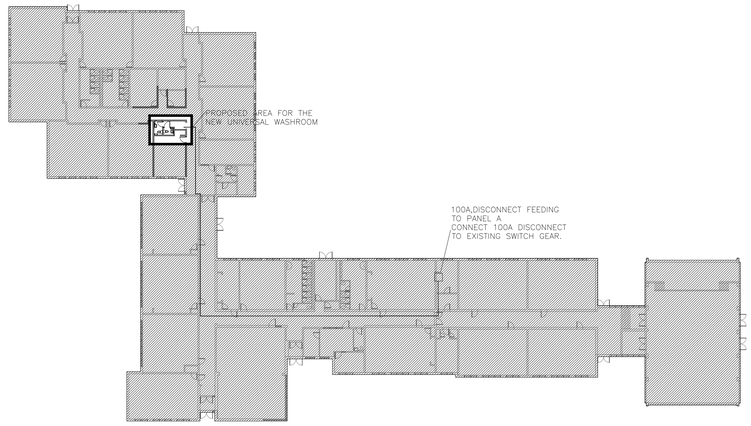
MICARE SYSTEM CONSIST OF THE FOLLOWING:

CO-ORDINATOR BUNDLE	NC-2100K 1 EACH
SOFTWARE	NC-2100SW 1 EACH
4 LED MULTICOME LIGHT	NC-4LED 4 EACH
PATIENT UNIT	NC-2000 4 EACH
SERVER	1 EACH
ROUTER	1 EACH
3 GANG ELECTRICAL BOX	3-FWSW-UPC 4 EACH
ELECTRICAL BOX	TWW-PS24BB 1 EACH
24V POWER SUPPLY	RB-MD-990 1 EACH
CABLE 1 FOOT	20'
EOL-103	END OF LINE RESISTOR (10K)

3. ELECTRICAL CONTRACTOR SHALL INSTALL THE SYSTEM AS PER MANUFACTURER'S INSTRUCTIONS.
4. PROVIDE AND INSTALL COMPLETE SYSTEM TO MEET THE CODE REQUIREMENTS. CO-ORDINATE WITH MIRCOM (CHRIS SCOTT #647-464-9972) AND INSTALL SYSTEM AS PER MANUFACTURER'S INSTRUCTIONS.
5. ONCE SYSTEM IS INSTALLED AND TESTED, PROVIDE REQUIRED TRAINING TO THE MAINTENANCE STAFF.

TYPICAL FLOOR PLAN FOR EACH WASHROOM

KEY PLAN



4#3- 41MM C
TO ELECTRICAL ROOM

ELECTRICAL PANEL:
120/208V-3Ø-60HZ,
100 AMP MAIN BREAKER

NEW PANEL BOARD A SCHEDULE

DESCRIPTION	BRKR SIZE (A)	WATTS PER PHASE A	B	C	CR NO	BUS ABC	CR NO	WATTS PER PHASE A	B	C	BRKR SIZE (A)	DESCRIPTION
					01		02					
					03		04					
					05		06					
					07		08					
					09		10					
					11		12					
					13		14					
					15		16					
HAND DRYER	20				17		18					
	2P				19		20				20	SPARE
SPARE (FUTURE-N.I.C) BED	20				21		22				2P	
	2P				23		24				15	EH-1
REC EMERGENCY BATTERY BACK-UP	15				25		26				15	GFI RECEPTACLE
EMERGENCY RESPONSE SYSTEM	20				27		28				15	LIGHTING
DOOR OPERATOR	20				29		30				15	SPARE
(*) GROUND FAULT INTERRUPTER CIRCUIT BREAKER												
(**) C/W LOCK-OFF DEVICES												

The Contractor shall verify all dimensions prior to commencement of the work.
All print and specifications are the property of the Architect and must be returned upon completion of the work.

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PROJECT:
ST. JOHN THE EVANGELIST CATHOLIC SCHOOL
1103 GIFFARD STREET, WHITBY ONTARIO
DPCDSB

PROFESSIONAL SEAL :

DWG TITLE :
ELECTRICAL LEAD SHEET, DETAILS,KEY PLAN

REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
208 Wyecroft Road, Suite 200, Oakville, ON L6K 3S3
PHONE: (905)844-3913
www.regal-eng.com

DATE : MAR 2026
SCALE : NTS
DRAWN BY: SY
CHECKED BY : MA
DWG STATUS :
PROJECT No. : 2025-504-1
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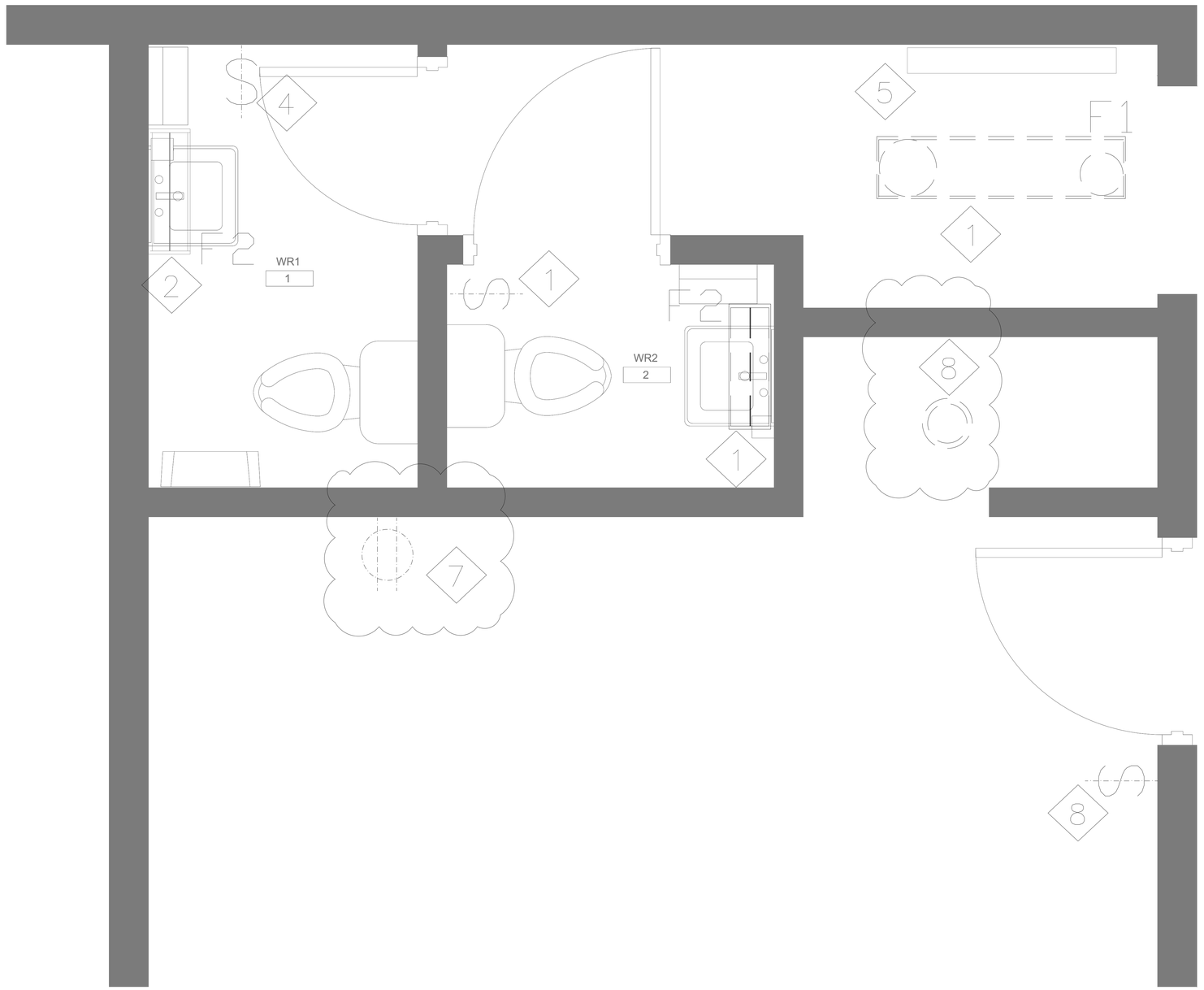
REVISION



1 E2.0 DEMOLITION PLAN –POWER AND LIGHTING LAYOUT
SCALE 1:25

DEMOLITION NOTES:

1. ELECTRICAL CONTRACTOR TO REMOVE EXISTING LIGHTINGS FIXTURE AND SWITCH WR -2, AS SHOWN.
2. ELECTRICAL CONTRACTOR TO KEEP LIGHTING FIXTURE AS IS IN WASHROOM WR-1.
3. ELECTRICAL CONTRACTOR TO DISCONNECT ALL WIRING FOR EXISTING LIGHTING FIXTURE , MARK CIRCUIT AS SPARE.
4. ELECTRICAL CONTRACTOR TO REMOVE AND RELOCATE THE LIGHTING SWITCH IN WASHROOM -01 AS SHOWN IN LAYOUT .
5. ELECTRICAL CONTRACTOR TO KEEP EXISTING HYDRONIC HEATER TO REMAIN.
6. THE ELECTRICAL CONTRACTOR SHALL CAREFULLY REMOVE THE EXISTING LIGHTING FIXTURE WITHOUT DISTURBING THE EXISTING LIFE SAFETY DEVICES IN THE EXISTING CEILING , IF BY MISTAKE EXISTING LIFE SAFETY DEVICES ARE DAMAGED THEN CONTRACTOR TO REPLACE WITH NO ADDITIONAL COST.
7. ELECTRICAL CONTRACTOR SHALL REMOVE ALL THE EXISTING RECEPTACLE AND OTHER ELECTRICAL ITEMS FROM THE MILL WORK, BEFORE DEMOLITION, MAKE CLEAN, BEFORE TO RE-INSTALL.
8. ELECTRICAL CONTRACTOR SHALL REMOVE THE EXISTING ONE- POT LIGHT AND EXISTING LIGHTING SWITCH,
9. ELECTRICAL CONTRACTOR DISCONNECT THE POWER FOR POT LIGHT AND SWITCH BEFORE DEMOLITION, CLEAN THE FIXTURE AND SWITCH BEFORE RE-INSTALL.
10. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL RELATED ELECTRICAL WORK. ENSURE ALL CONNECTIONS TO MECHANICAL EQUIPMENT ARE INSTALLED PER MANUFACTURER REQUIREMENTS.
11. THE ELECTRICAL CONTRACTOR SHALL PROTECT ALL EXISTING EQUIPMENT, DEVICES, AND CABLES DURING WORK. ANY DAMAGED COMPONENTS SHALL BE REPLACED AT NO ADDITIONAL COST.
12. THE ELECTRICAL CONTRACTOR SHALL ENSURE ALL WORK COMPLIES WITH THE ONTARIO ELECTRICAL SAFETY CODE AND OBTAIN NECESSARY INSPECTIONS AND APPROVALS.

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PROJECT :

ST. JOHN THE EVANGELIST CATHOLIC SCHOOL

1103 GIFFARD STREET, WHITBY ONTARIO

DPCDSB

PROFESSIONAL SEAL :

DWG TITLE :

DEMOLITION POWER AND LIGHTING

REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
208 Wyecroft Road, Suite 200, Oakville, ON L6K 3S3
PHONE: (905)844-3913
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DATE : MAR 2026

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CHECKED BY : MA

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PROJECT No. : 2025-504-1

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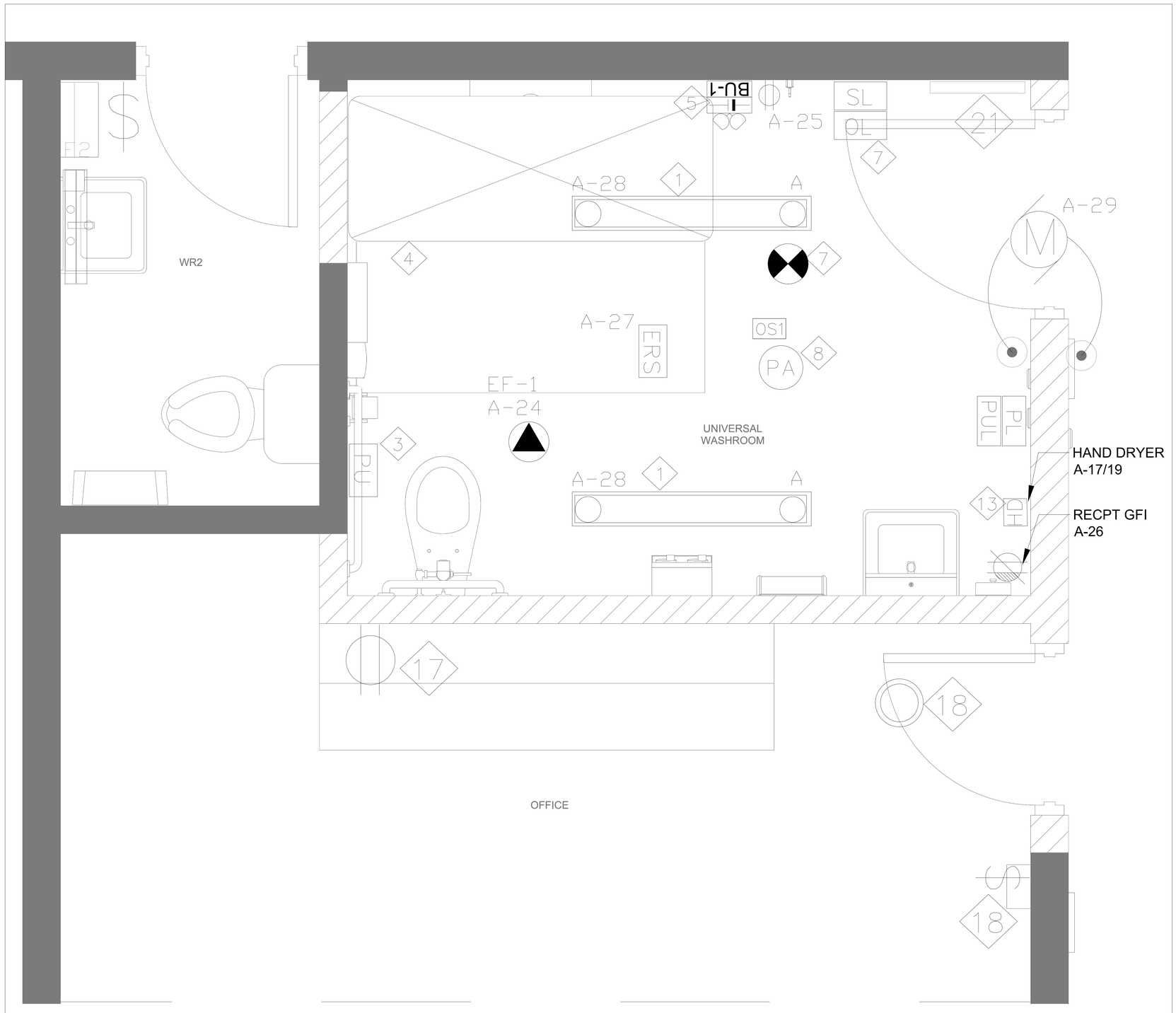

1 / E3.0 PROPOSED ELECTRICAL – LIGHTING AND POWER
SCALE 1:10

PROPOSED POWER NOTES:

1. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW LIGHTING FIXTURE WITH RE-UTILIZE THE EXISTING LIGHTING CIRCUIT.
2. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMT CONDUIT WITH PULL STRING FOR NURSE SYSTEM IN THE CEILING SPACE OF B/F WASHROOM.
3. SPECIALIZED CONTRACTOR FOR NURSES CALL SYSTEM WILL INSTALL COMPLETE SYSTEM WITH CONTROLLER .
4. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMT CONDUIT AND PULL STRING WITH 20A ,2P BREAKER AS SPARE IN THE PANEL FOR FUTURE ADULT CHANGE BED (N.I.C).
5. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMERGENCY BATTERY BACK LIGHT AS SHOW IN LAYOUT.
6. CONTRACTOR TO INSTALL OCCUPANCY SENSORS FOR CONTROL OF LIGHTING IN B/F WASHROOM.
7. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMT CONDUIT WITH PULL STRING FOR NEW SMOKE DETECTOR, FIRE ALARM HORN & STROBE AS SHOWN.
8. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMT CONDUIT WITH PULL STRING FOR PA SPEAKER AS SHOWN.
9. CONTRACTOR TO PROVIDE AND INSTALL SMOKE DETECTOR AS SHOWN , CONNECT TO EXISTING SYSTEM, ALLOW FOR TESTING AND VERIFICATION OF THE FIRE ALARM DECEIVES.
10. CONTRACTOR TO PROVIDE AND INSTALL PA SPEAKER AS SHOWN AND CONNECT TO EXISTING SYSTEM.
11. CONTRACTOR TO PROVIDE AND INSTALL NEW FIRE ALARM HORN & STROBE AS SHOWN. CONTRACTOR TO MAKE SURE THE SOUND OF NEW FIRE ALARM HORN SYNCHRONIZED WITH EXISTING FIRE ALARM HORNS. ALLOW FOR TESTING AND VERIFICATION OF THE FIRE ALARM DEV ICES.
12. EXHAUST FAN SHALL INTERLOCK WITH THE LIGHTING FIXTURES,OCCUPANCY SENSOR SHALL CONTROL THE LIGHTING FIXTURES AND THE EXHAUST FAN.
13. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL HAND DRYER AS SHOWN.
14. HAND DRYER BRAND XLERATOR HAND DRYER MODEL : XL-SB BRUSHED STAIN LESS, (COLOR TO BE SELECT BY ARCHITECTURE) ELECTRICAL SPECIFICATION 208-240V, 1500W.
15. ELECTRICAL CONTRACTOR SHALL PROVIDE EMT CONDUIT AND WIRE FOR HAND DRYER AND INSTALL 20A, 2POLE BREAKER TO PANEL A TO CONNECT THE HAND DRYER.
16. ELECTRICAL CONTRACTOR SHALL GFI SOCKET AS SHOWN ON THE ELECTRICAL DRAWINGS, AS REQUIRED FOR THE WASHROOM RENOVATION. ALLOW FOR EXTENDING CABLES AND CONDUITS.
17. ELECTRICAL CONTRACTOR TO RE-INSTALL ALL THE RECEPTACLES AND OTHER ELECTRICAL ITEMS WITHIN THE MILL WORK .
18. ELECTRICAL CONTRACTOR TO RE-INSTALL POT LIGHT AND LIGHTING SWITCH CHECK AND VERIFY AND CONNECT TO EXISTING CIRCUIT.
19. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL 100A,120-230V,1PH 4W DISCONNECT INSIDE THE ELECTRICAL ROOM TO CONNECT PANEL A.
20. ELECTRICAL CONTRACTOR SHOULD CONNECT THE DISCONNECT TO EXISTING SWITCH GEAR ASSUME 15 FT EXTRA CONDUIT AND CABLE.
21. ELECTRICAL CONTRACTOR TO KEEP EXISTING HYDRONIC HEATER TO REMAIN.

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PROJECT :
ST. JOHN THE EVANGELIST CATHOLIC SCHOOL
1103 GIFFARD STREET, WHITBY ONTARIO
DPCDSB

PROFESSIONAL SEAL :

DWG TITLE :
PROPOSED LIGHTING AND POWER LAYOUT

REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
208 Wyecroft Road, Suite 200, Oakville, ON L6K 3S3
PHONE: (905)844-3913
www.regal-eng.com

DATE :	MAR 2026
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DWG STATUS :	
PROJECT No. :	2025-504-1
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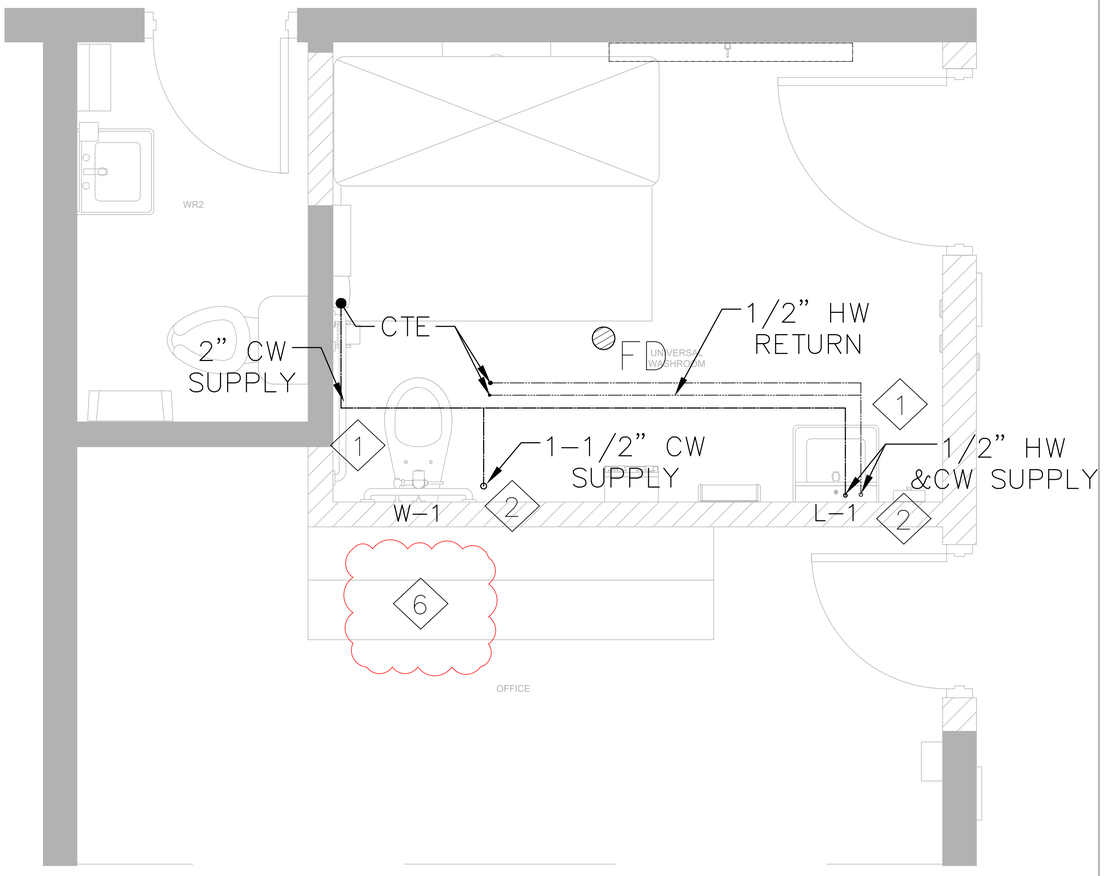
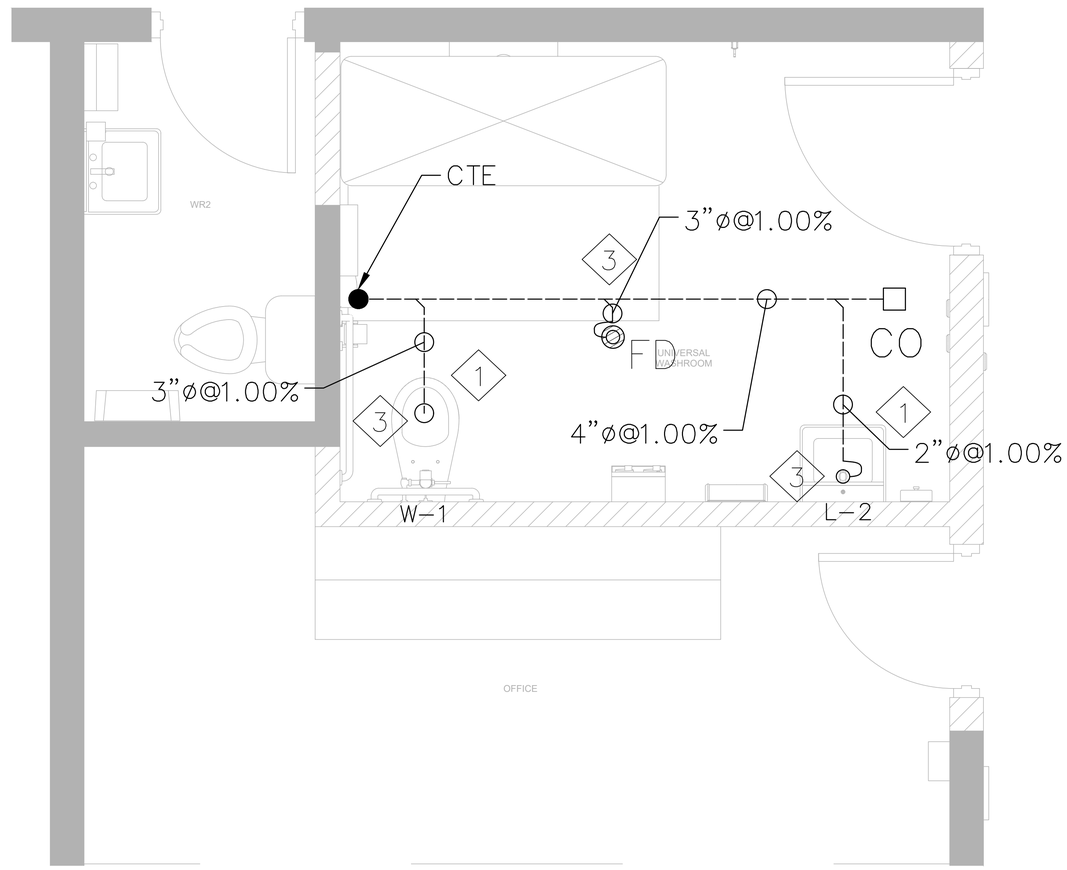


1 M3.0 PROPOSED PLUMBING PLAN
SCALE 1:15



1 M3.0 PROPOSED DRAINAGE PLAN
SCALE 1:15

DRAWING NOTES

1	SUPPLY AND INSTALL NEW FIXTURE UNITS AT THE LOCATION SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION. PROVIDE HOT, COLD WATER AND HOT WATER RE-CIRCULATION CONNECTIONS, SANITARY DRAIN CONNECTIONS, P-TRAPS AND ALL ACCESSORIES AS NEEDED TO MAKE A COMPLETE INSTALLATION AS SHOWN.
2	PROVIDE AND INSTALL NEW DOMESTIC COLD WATER, HOT WATER AND HOT WATER RE-CIRCULATION PIPES FROM THE CEILING SPACE AND CONNECT TO THE NEW PLUMBING FIXTURES ALONG WITH FITTINGS, SUPPORT, VALVES, INSULATION ETC.
3	PROVIDE AND INSTALL NEW SANITARY DRAIN PIPES ALONG WITH P TRAPS, CLEAN OUT AND ALL ASSOCIATED ACCESSORIES AND CONNECT TO THE NEW PLUMBING FIXTURES AS SHOWN.
4	CONTRACTOR TO PROVIDE 3"Ø VENT PIPE RISER TO THE CEILING SPACE AND CONNECT TO THE EXISTING VENTING SYSTEM AS PER OBC AND LOCAL AHJ.
5	MECHANICAL TRADE TO SCAN THE FLOOR TO FIND THE EXACT LOCATION OF THE UNDERGROUND EXISTING SANITARY LINE. CONNECT THE NEW SANITARY LINE TO THE EXISTING. THE CONTRACTOR TO CUT AND REMOVE THE CONCRETE SLAB AS REQUIRED TO COMPLETE THE PLUMBING SCOPE.
6	INSTALL REMOVED MILLWORK AS REQUIRED. REUSE THE SINK AND THE FAUCET IN THE MILLWORK. FOR THE PATCH, FINISH AND MILLWORK DETAILS REFER TO THE ARCHITECTURAL DRAWINGS.

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PROJECT :
ST. JOHN THE EVANGELIST CATHOLIC SCHOOL
1103 GIFFARD STREET, WHITBY ONTARIO
DPCDSB

PROFESSIONAL SEAL :

DWG TITLE :
PROPOSED PLUMBING AND DRAINAGE LAYOUT

REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
208 Wycroft Road, Suite 200, Oakville, ON L6K 3S3
PHONE: (905)844-3913
www.regal-eng.com

DATE : MAR 2026
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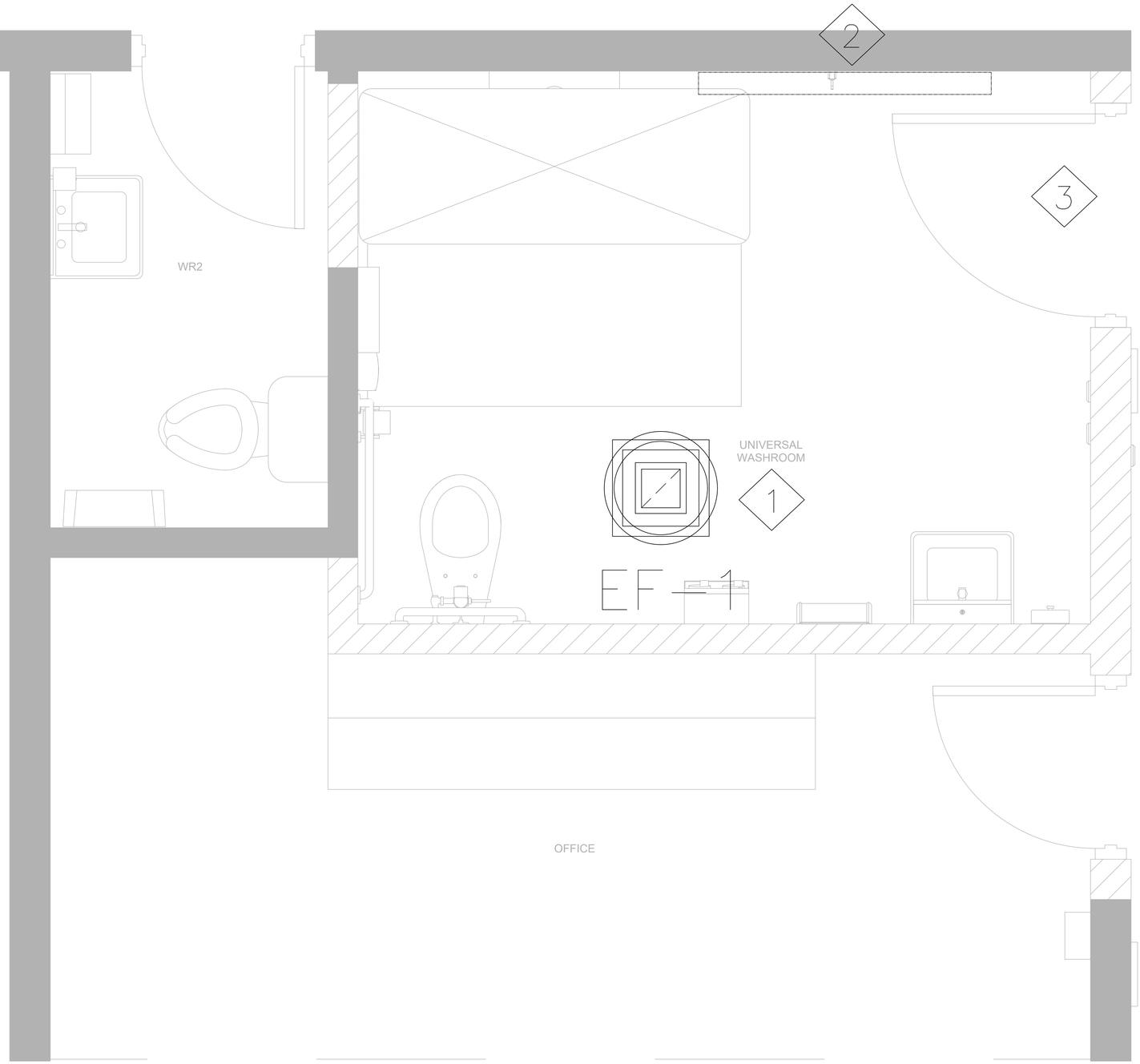

1 M2.0 PROPOSED HVAC PLAN
SCALE 1:10

DRAWING NOTES

1	SUPPLY AND INSTALL NEW EXHAUST FAN WTH A ROOF CURB. ROOFING WORK TO BE DONE UPTO 3FT AROUND THE ROOF CURB BY THE APPROVED ROOFING CONTRACTOR FOR THE SCHOOL BOARD
2	EXISTING RAD TO BE REMAINED.
3	ARCHITECT TO PROVIDE A DOOR WITH AN UNDERCUT

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PROJECT :
ST. JOHN THE EVANGELIST CATHOLIC SCHOOL
1103 GIFFARD STREET, WHITBY ONTARIO
DPCDSB

PROFESSIONAL SEAL :

DWG TITLE :
PROPOSED HVAC LAYOUT

RCEI
REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
208 Wyecroft Road, Suite 200, Oakville, ON L6K 3S3
PHONE: (905)844-3913
www.regal-eng.com

DATE : MAR 2026
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DWG STATUS :
PROJECT No. : 2025-504-1
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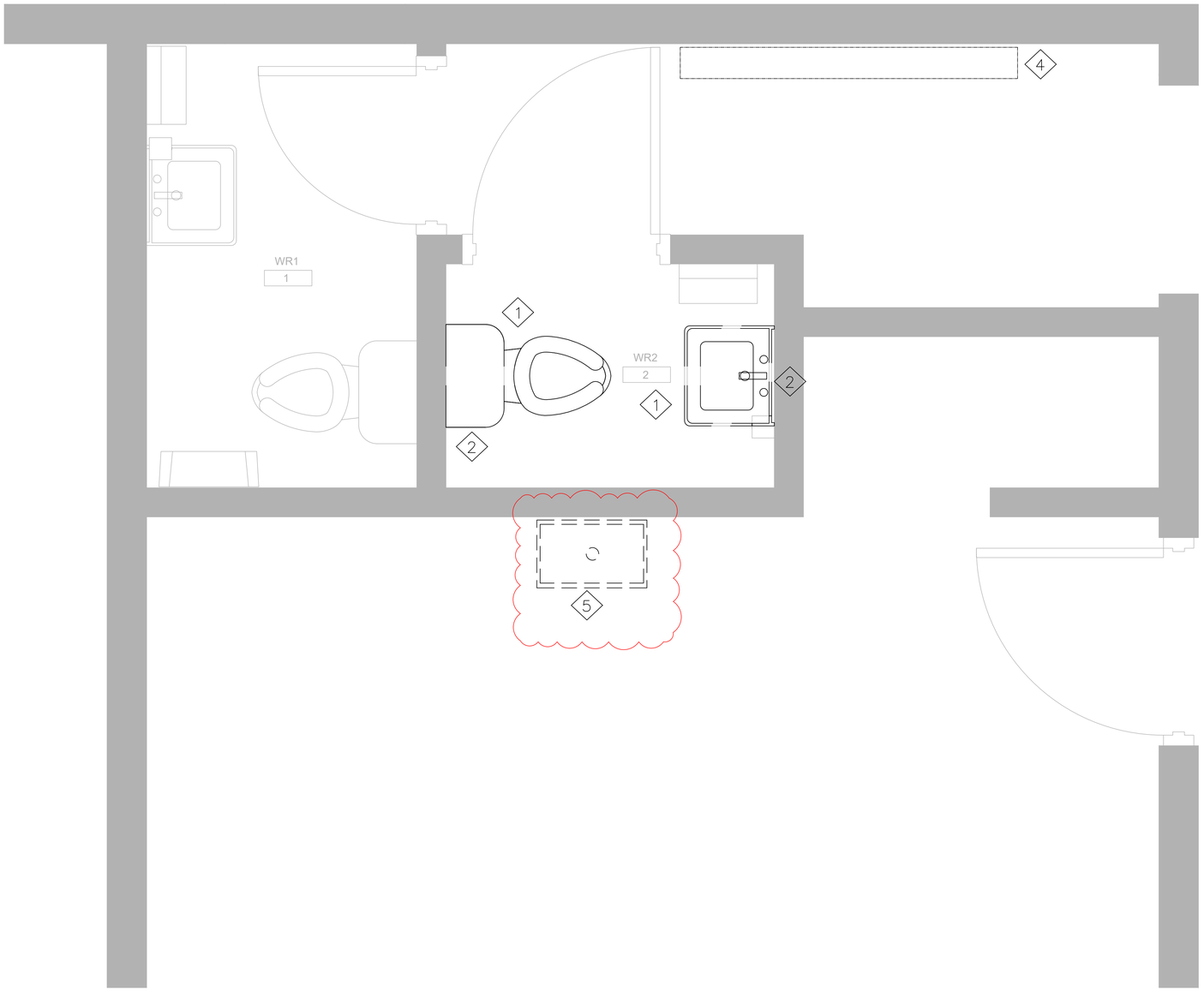

DRAWING NOTES

1	DISMANTLE AND REMOVE THE EXISTING PLUMBING FIXTURES AND ASSOCIATED ACCESSORIES.
2	DISMANTLE, CAP AND SEAL THE EXISTING DRAIN LINE AND ASSOCIATED ACCESSORIES.
3	CONTRACTOR TO PERFORM A FLOOR SCAN AND LOCATE THE EXACT LOCATION OF THE EXISTING SANITARY DRAIN PIPE, BEFORE THE COMMENCEMENT OF WORK.
4	EXISTING RAD TO BE REMAINED
5	EXISTING SINK NEEDS TO BE REMOVED AND REINSTALL IN THE NEW LOCATION. THE PLUMBING AND DRAINAGE CONNECTIONS TO BE DISCONNECT AND RECONNECT AFTER THE RELOCATION OF THE SINK. THE SINK AND THE FAUCET TO BE REUSED.

1 M2.0 DEMOLITION PLAN
SCALE 1:25

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DWG TITLE :
DEMOLITION PLAN

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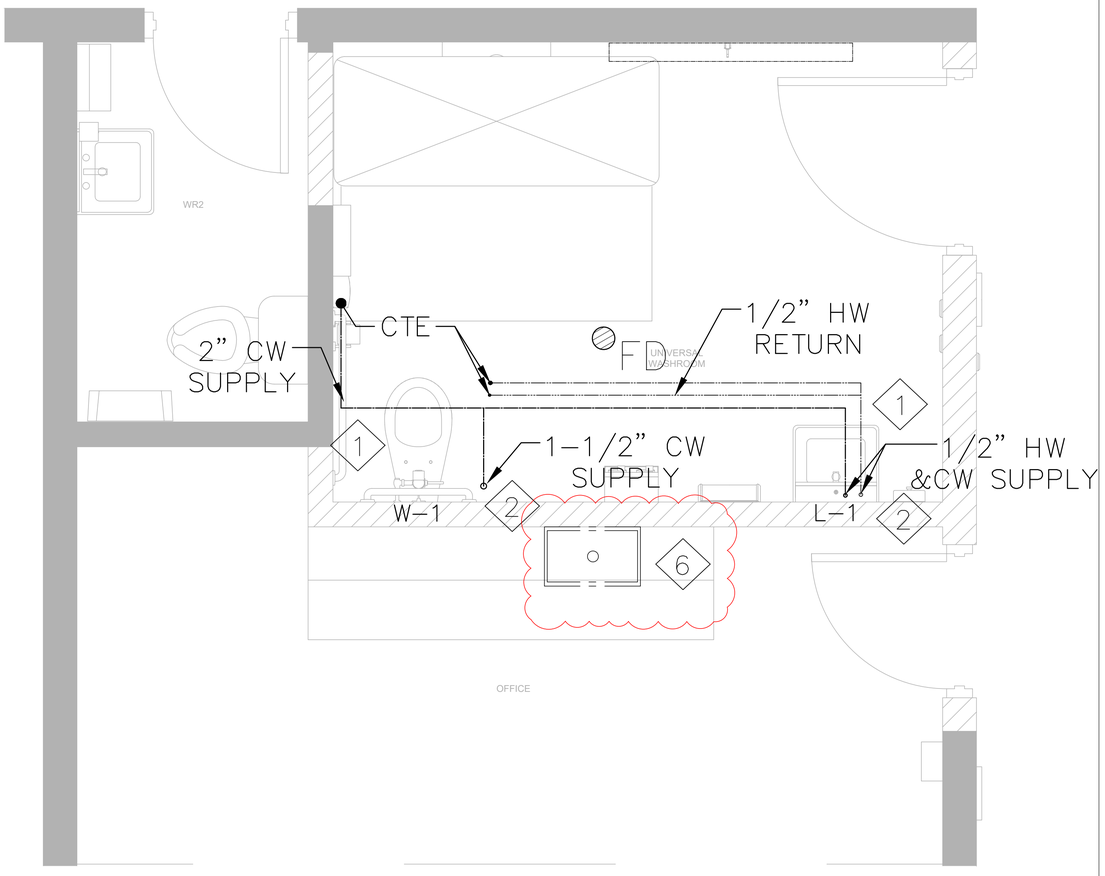
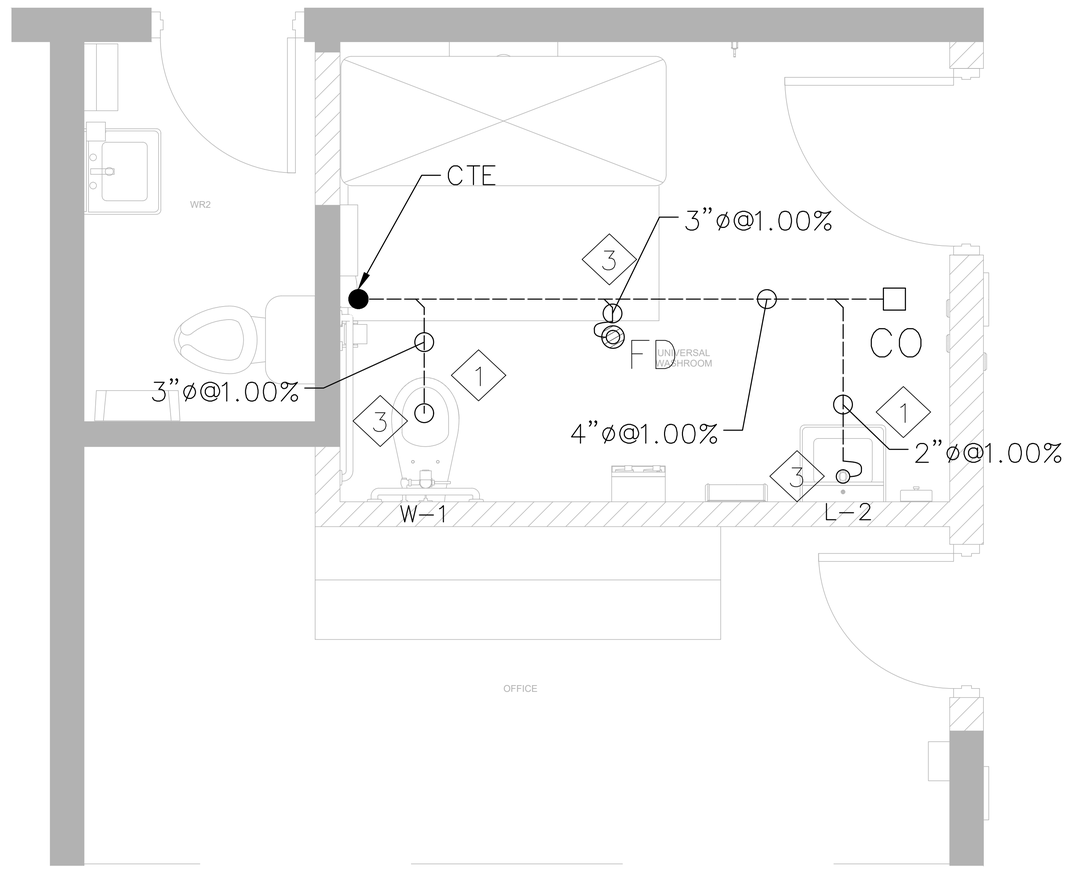


1 M3.0 PROPOSED PLUMBING PLAN
SCALE 1:15



1 M3.0 PROPOSED DRAINAGE PLAN
SCALE 1:15

DRAWING NOTES

1	SUPPLY AND INSTALL NEW FIXTURE UNITS AT THE LOCATION SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION. PROVIDE HOT, COLD WATER AND HOT WATER RE-CIRCULATION CONNECTIONS, SANITARY DRAIN CONNECTIONS, P-TRAPS AND ALL ACCESSORIES AS NEEDED TO MAKE A COMPLETE INSTALLATION AS SHOWN.
2	PROVIDE AND INSTALL NEW DOMESTIC COLD WATER, HOT WATER AND HOT WATER RE-CIRCULATION PIPES FROM THE CEILING SPACE AND CONNECT TO THE NEW PLUMBING FIXTURES ALONG WITH FITTINGS, SUPPORT, VALVES, INSULATION ETC.
3	PROVIDE AND INSTALL NEW SANITARY DRAIN PIPES ALONG WITH P TRAPS, CLEAN OUT AND ALL ASSOCIATED ACCESSORIES AND CONNECT TO THE NEW PLUMBING FIXTURES AS SHOWN.
4	CONTRACTOR TO PROVIDE 3"Ø VENT PIPE RISER TO THE CEILING SPACE AND CONNECT TO THE EXISTING VENTING SYSTEM AS PER OBC AND LOCAL AHJ.
5	MECHANICAL TRADE TO SCAN THE FLOOR TO FIND THE EXACT LOCATION OF THE UNDERGROUND EXISTING SANITARY LINE. CONNECT THE NEW SANITARY LINE TO THE EXISTING. THE CONTRACTOR TO CUT AND REMOVE THE CONCRETE SLAB AS REQUIRED TO COMPLETE THE PLUMBING SCOPE.
6	REINSTALL THE SINK IN THE NEW LOCATION. REUSE THE SINK AND THE FAUCET IN THE MILLWORK. RECONNECT THE PLUMBING AND DRAINAGE LINE TO THE EXISTING. EXTEND THE PIPELINES AS REQUIRED. INSTALL REMOVED MILLWORK AS REQUIRED. FOR THE PATCH, FINISH AND MILLWORK DETAILS REFER TO THE ARCHITECTURAL DRAWINGS.

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1103 GIFFARD STREET, WHITBY ONTARIO
DPCDSB

PROFESSIONAL SEAL :

DWG TITLE :
PROPOSED PLUMBING AND DRAINAGE LAYOUT

REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
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