APPENDIX G - SPECIFICATIONS

TECHNICAL SPECIFICATIONS FOR :

PROJECT: **ALLAN A. MARTIN SR. PUBLIC SCHOOL ELEVATOR & WASHROOM ADDITION**

CLIENT: PEEL DISTRICT SCHOOL BOARD

PROJECT No.: 24126

DATE: APRIL 21, 2025

BINDER: **A** ARCHITECTURAL AND DESIGNATED SUBSTANCE ARCHITECTURAL DETAILS,GEOTECHNICAL REPORT AND HAZARDOUS BUILDING MATERIALS SURVEY

ARCHITECT:

HOSSACK ARCHITECTURE
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SET NUMBER

SPECIFICATIONS BINDER "A"

No. of Pages

MECHANICAL DIVISION
Refer to Drawings

ELECTRICAL DIVISION
Refer to Drawings

DRAWING SET – PART A

ARCHITECTURAL DRAWINGS

Drawing No.	Title
	Title Page
SP1	Site plan and Building Statistics
A01	Key Plan, Schedules, Fire Separations, General Notes and OBC Matrix
A02	Part. Ground Floor Demolition Floor Plan and Proposed Floor Plan and Details
A03	Part. Ground Floor Demolition Reflective Ceiling Plan and Proposed Reflective Ceiling Plan
A04	Part. Second Floor Demolition Floor Plan and Proposed Floor Plan and Details
A05	Part. Second Floor Demolition Reflective Ceiling Plan and Proposed Reflective Ceiling Plan
A06	Demolition Elevation, Exterior Elevation
A07	Building Sections and Details
A08	Building Sections and Details
A09	Enlarged Washroom Floor Plans, Interior Elevations, Wall Sections and Details.

CIVIL DRAWINGS

Drawing No.	Title
CV-1	Service and Grading Plan

STRUCTURAL DRAWINGS

Drawing No.	Title
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S1.0	Foundation Plan
S2.0	Foundation Sections and Typ. Details

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PROJECT NAME

Board Tender Number: RFQMA 25-5186
Addition to Allan A. Martin Sr. Public School
1390 Ogden avenue, Mississauga, ON
L5E 2H8

PROJECT OWNER

PEEL DISTRICT SCHOOL BOARD
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CONSULTANTS

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END OF SECTION

Part 1 General

1.1 PRECEDENCE

.1 This Section contains Articles prepared which represent the Owner standards and policies. In all cases this Section is intended to be read in conjunction with and to coordinate with all other Sections. In the case of discrepancy between this Section and other Sections to more stringent Articles of any applicable Section shall apply.

1.2 CONTRACT

.1 Construct the Work under a single, lump sum, Stipulated Contract. The form of Contract is the *Stipulated Price Contract, Standard Document PDSB, Rev. 2020* attached to these specifications referred to in these specifications as the '*Contract*'.

.2 Contract includes the construction of a new elevator addition including (2) two new washrooms and associated interior and site renovations.

.3 Project Occupancy Requirements

.1 It is the requirement of this Contract that the Addition & Renovation to Allan A Martin Public School, which is to be contracted and completed under the terms of this contract, be Substantially Complete and fit for full legal occupancy as stated on the attached Peel District School Board Invitation to Tender.

.4 Cautionary Note

.1 Bidders, both General Contractors and Subcontractors, are cautioned that they should not submit bids or tenders if they are unsure of their ability to comply with the above stated construction/occupancy schedule and requirements, provide overtime work as necessary and/or are unwilling to be bound by the schedule and Provisions described in these documents.

1.3 RELATIONS OF TRADES

.1 The Contract Specifications have been generally divided into trade sections for the purpose of ready reference.

.2 The Contractor is responsible for coordinating all trades. He is solely responsible for determining the lines of demarcation between Contractor and/or trades. Neither the Consultant nor the Owner, assumes any responsibility for any such determination or for any dispute arising concerning it. No extras will be considered due to any such dispute concerning either labour or materials.

.3 Specifications and drawings form an integral part of the Contract Documents. Any subject or item omitted from one, but which is mentioned or reasonably implied in the other, shall be considered as properly and sufficiently specified and will be part of the Work.

1.4 ADDITIONAL DRAWINGS

.1 Consultant may furnish additional drawings to assist proper execution of the Work. These drawings will be issued for clarification only. Such drawings, however, shall have the

same meaning and intent as if they were included with plans referred to in the Contract Documents.

1.5 EXISTING SITE CONDITIONS

.1 Work area shall be graded to blend with existing property lines to maintain drainage patterns to existing systems or systems as altered. Refer to grading drawings, survey and site plans and note requirements for additional grading, removals, parking and driveways remediation and service connections and reinstatement for areas beyond property lines and coordinate requirements for Permits, fees, deposits, etc.

.2 At the outset of the contract and before any other work begins, the contractor shall review grades on site to confirm compliance with the contract documents. Failure to do so at this initial stage shall eliminate the contractor's right to make claim regarding incorrect grades or site surface conditions at any later stage for the work.

.3 Contractor is responsible to quantify all on-site material to achieve design grades and is responsible for the importation or exportation of material from the site as required.

.4 Ascertaining the specific site and building conditions as they relate to the project is the responsibility of the contractor. Notwithstanding this overriding responsibility the consultant has made every effort to properly represent existing site conditions as they are evident at the time of tender.

.5 The Contractor shall assume the work site based on the existing conditions as shown on the drawings and visible on the job site at the time of the closing of the tender. All excavation, stockpiling, removal, importing and/or grading of soils is to be included in the work of this Contract. Refer to site plan drawings. The contractor shall also refer to the recommendations of the soils investigation records which are included for information, and report any discrepancies to the consultant prior to submitting a tender.

.6 Inspection of the site during the tender period is mandatory for all Contractors. In addition, Peel District School Board Invitation to Tender for the time of a *conducted* mandatory contractors' site tour.

.7 Minor adjustments to the level of sodded areas, berms, etc., may be permitted, to the prior approval of the Consultant and owner. It must be stressed that it will be the contractor's responsibility to negotiate and obtain approval for any such changes with the Authorities having Jurisdiction over lot grading approvals for this project. Completion delays due to such approvals shall not be entertained.

1.6 ADDITION AND RENOVATION TO AN EXISTING OCCUPIED BUILDING

.1 Refer also to *Section 01 35 23 – 'Site Safety Protocol for Occupied Buildings'*.

.2 The contractor is reminded that work to these projects shall begin during the months of the active school year. Access restrictions to portions of the work apply and are outlined within this section under Construction Sequencing. Therefore, precise scheduling and sequencing of the various work areas is required as addressed herein. Refer also to drawings for locations as described.

.3 At all times it is the Owner of the school who is the authority responsible for the well-being of the school occupants. As such, the Contractor's Site Superintendent must establish a working rapport with the Owner or his/her designee, suitable to provide daily notification of proposed construction timing and activities.

.4 During the occupied school year absolutely no contracting personnel are allowed in the school building during operating hours other than in those work areas designated within this Section under Construction Sequencing, or by express permission of the Owner and under the direct supervision of the Contractor's Site Superintendent.

.5 During the school year, the General Contractor shall designate a full-time flag person to control construction traffic access and egress to any construction access points and at times as stipulated in articles in this Section and elsewhere in these specifications. Costs for compliance to execute work under these terms is to be carried by all trades as part of the base contract price.

.6 Connection of any services must be made after hours and in such a way that it leaves no disturbance to materials or systems, nor any exposed construction conditions within the operating school area.

.7 The General Contractor shall maintain construction fencing and hoarding and through access to fire routes at all times.

.8 Catering trucks are not permitted on the school site whatsoever.

.9 During the school year, the Contractor shall minimize nuisances to the school operation such as loud noise, percussion sounds from power tools, dust, odours. Due to noxious fumes, roofing and asphalt paving shall be done after hours (after 4:00 p.m., or during the weekends). Hot asphalt kettles may not be heated until after 4:00 p.m. on weekdays without prior permission from the school Owner and Owner Project Manager.

.10 *Refer also to Section 01 52 00- 'Construction Facilities' and Section 01 56 00- 'Temporary Barriers and Enclosures'*

1.7 CONSTRUCTION SEQUENCING

.1 Basic Scope outline

Elevator and Washroom Addition and Renovations

.1 Complete selective demolition as described on drawings and specifications
.2 Build Addition and Renovate all interior areas of the school as described in drawings and specifications.
.3 Complete Addition and Renovation to existing areas and site works such that the work is Fit for Occupancy/Substantially Performed by the required date for occupancy in the Contract.
.4 Following Substantial Performance complete deficiencies to renovations to the existing building such that project Total Completion is achieved by the required date

.2 Coordinate sequencing with all trades and advise sub-trades of these sequencing requirements prior to the close of Tenders.

.3 Ensure that door replacement throughout school is done in a manner to not leave existing rooms unlocked and unsecure. Contractor to remove and replace doors sequentially.

1.8 CONTRACTOR PARKING

.1 Refer to section 01 52 00 Construction Facilities.

1.9 BYLAWS, PERMITS AND APPROVALS

.1 Nothing indicated on the Drawings or Specifications is intended to be in conflict with any law, by-law or regulation of Municipal, Provincial, or similar Authority Having Jurisdiction.

.2 Work of this Contract must conform with such laws, by-laws and/or regulations. Any required variation to, or deviation from, the drawings and specifications, shall be performed in accordance with the Contract contained in these specifications.

.3 Furnish inspection certificates and/or permits as may be applicable as evidence that the installed Work conforms with laws, by-laws and regulations of Authorities Having Jurisdiction.

.4 Each subtrade shall obtain and pay for all permits and licenses required by Municipal, Provincial, or other authorities having Jurisdiction, particular to their trade.

.5 It is the final responsibility of the General Contractor to obtain all the required approvals and permits and include in his Total Stipulated Price, the cost of such approvals, permits and fees. The only exception is the Building Permit, which will be applied for by the Consultant and paid for by the Owner. It is the contractor's responsibility include in the base tender amount any additional permit or connection fees not specifically identified in the Cash Allowance, and to provide any deposits or securities required by Authorities Having Jurisdiction.

.6 Any revisions or deviations to Contract Documents required by any Authorities Having Jurisdiction must be reviewed by the Consultants before implementation.

1.10 ORGANIZATION

.1 Organize the Work of each section as required for satisfactory and expeditious completion of the Work. Take field dimensions required for the Work. Fabricate and install work to suit field dimensions and conditions.

.2 If applicable, take into account existing work to ensure best arrangements of components in available space. Contact the Consultant prior to commencing Work in critical locations and interface with other Contractors' Work.

.3 Provide all forms, templates, anchors, sleeves, inserts and accessories required to be installed in the Work. Set in place, or instruct the applicable subtrade as to their location. Pay costs of extra work, if required, as a result of a failure to comply with these requirements at the proper time.

.4 Before starting his work and from time to time as the work progresses, each Subcontractor shall examine the work and materials installed by the other Subcontractors

insofar as it effects his own work, and the General Contractor shall promptly notify the Consultant IN WRITING, if any condition exists that will prevent any Subcontractor from giving a satisfactory result in his own work.

.5 Should any Subcontractor start his own work without such notification, it shall be construed as an acceptance by him of all preceding work and as a waiver of all claims or questions as to its suitability for receiving his work.

1.11 CANADIAN PRODUCTS AND LOCAL LABOUR

.1 To the extent that the same are available and consistent with the proper economy and expeditious completion of the Contract, Canadian equipment, materials, products and other such applicable items are preferred by the Owner to be used in the Work, wherever possible and practical.

1.12 MATERIALS AND WORKMANSHIP

.1 All materials shall be new and the best of their respective kinds, where a specific grade or brand is not indicated. Pre-packaged materials shall be delivered and stored in unopened containers.

.2 All work performed under this Contract shall be done by mechanics skilled in their respective trades. They shall make use of such templates, jigs or special tools as may be required for the operation involved.

.3 The acceptance of any materials or workmanship shall not be a bar to their subsequent rejection, if found defective.

.4 Adequate, dry storage facilities shall be provided and all stored materials shall be protected from damage and theft.

.5 All Contractors will do Work in accordance with the best industry practice of the type of work specified, unless the Contract Documents stipulate more precise requirements, in which case, the more precise requirements shall govern.

.6 Do Work in a neat, plumb & square manner. Ensure that various work components are properly installed, forming tight joints and appropriately aligned junctions, edges and surfaces, free of warps, twists, waves, or other such irregularities.

.7 Wherever indicated on the drawings or specifications, or in the manufacturers' / suppliers' written instructions, arrange to have manufacturers' / installer's representatives inspect the Work which incorporates their materials, products or items.

.8 Do not permit materials to come in contact with other materials such conditions may result in corrosion, staining, discolouration or deterioration of the completed Work. Provide compatible, durable separators where such contact is unavoidable.

.9 The design of the Work is based on the full interaction of its component parts. No provisions have been made for conditions occurring during construction. Ensure that no part of the Work is subjected to a load which will endanger its safety or which might cause permanent deformation.

.10 Conceal pipes, ducts, conduit, wiring and other such items requiring concealment preferably in, wall or ceiling construction of all finished areas. If in doubt as to method of concealment, or intent of the Contract Documents in this regard, request clarification from the Consultant before proceeding with the Work.

.11 Lay out mechanical and electrical work well in advance of concrete placement and furring installation to allow for proper concealment. Test and inspect Work before applying pipe covering and before it is concealed.

.12 Provide and maintain control lines and levels required for the Work. Lay out the Work in accordance with these lines and levels and dimensions indicated on the drawings.

.13 Verify lines, levels and dimensions and report any errors or inconsistencies on the drawings to the Consultants.

.14 Final responsibility of satisfactory completion of all the Work, however, lies with the General Contractor.

1.13 QUALITY CONTROL

.1 Refer also to Section 01 45 00.

.2 The Consultants and authorized Owner staff shall have access to all areas of the Work, including any off site construction facilities.

.3 The General Contractor shall give timely notice requesting inspection if Work is designated for special tests, inspections, or approvals by the Consultants, or any other authorized Owner staff or testing and Inspection Company.

.4 If the General Contract covers, or permits to be covered Work that has been designated as outlined above, he shall uncover such work, have the inspections and tests satisfactorily completed and make good such work at no additional cost to the Owner.

.5 The Consultants or the authorized Owner Staff may order any part of the Work to be examined, if such Work is suspected not to be according to the Contract Documents. If, upon examination, such work is found not to be in accordance with the Contract Documents, then the General Contractor shall correct such Work and pay for cost of examinations and correction. If such Work is found to be in full accordance with the Contract Documents, the Owner shall pay for the cost of examination and making good.

.6 If defects are revealed during inspection and/or testing, the appointed agency may request additional inspection and/or testing to ascertain the full degree of defects. The General Contractor shall correct the defects and irregularities as reported by the inspection and/or testing agency, at no additional cost to the Owner and the General Contractor shall pay all associated costs for retesting and reinspection.

.7 The General Contractor shall provide any tools, materials or equipment that may be required by the inspection and/or testing agencies in retesting the Work (*e.g.* Video camera rental to reinspect incorrectly installed sewer lines.)

.8 The employment of inspection and/or testing agencies does not, in any way, affect the General Contractor's responsibility to perform the Work in strict accordance with the Contract Documents.

.9 The General Contractor shall remove all defective work, whether the result of poor workmanship by him or his subtrades, use of defective or damaged products, whether or not incorporated into the Work and any Work that has been rejected by the Consultants or authorized Owner Staff as failing to conform to the Contract Documents. Replacement and execution of the affected Work shall be done in full accordance with the Contract Documents, making good other trades' work damaged by such removals or replacements at no additional charge to the Owner.

.10 If, in the opinion of the Consultant and/or the authorized Owner Staff, it is not expeditious to correct the defective Work, or Work not performed in accordance with the Contract Documents, the Owner, may, at its sole discretion, deduct from the Contract Price, the difference in value between the work performed and that required by the Contract Documents, the amounts of which shall be determined by the Consultant.

.1 The notable exception to the above item is a faulty installation of base and asphalt paving. If, the inspection agency, after performing random test holes to determine compaction and thickness of sub base, base and asphalt, determines that either one or both, are not according to what was specified in the Contract Documents, the Owner will not accept credits for such inconsistencies but rather, demand that any such installation be removed and redone in its entirety, at the pleasure and convenience of the Owner, but within the first year of the warranty period.

1.14 OVERTIME AND OVERTIME SCHEDULING

.1 The General Contractor must include in his Total Stipulated Tender Price, all costs for overtime work which may be necessary to complete the various portions of the Work, in accordance with the Completion Dates specified in the *Stipulated Price Bid Form.* The Owner shall not entertain requests for any payments in connection with overtime work that may be required by the General Contractor, or any of his subtrades, in order to comply with the above referenced dates.

.2 Similarly, it is the Contractor's responsibility to ensure, prior to the close of tenders that all subtrades will meet the requirements for overtime, as required, with no additional costs to the owner, in order to meet the Completion Dates specified in the Form of Tender.

.3 The contractor shall recognize the critical importance that the schedule for full occupancy must be met by the dates stated in the *Stipulated Price Bid Form*. Note that local by-laws may be enforced restricting morning and evening and Sunday work hours.

.4 Note that at no time will the Owner entertain additional charges or claims from the General Contractor or his subcontractors for premium, overtime or after–hours work.

.5 Only claims for scope changes or conditions beyond the control of the Contractor may be submitted for review by the Consultants and must be submitted and accepted in advance of the work taking place and at the outset of the condition or scope change arising. No claims additional charges or delays will be accepted if not reviewed and formally accepted in advance.

.6 Notwithstanding sentence 5 above, for any work that remains incomplete after school occupancy by students on September 4, 2015, all access and work shall be restricted to after hours only: i.e.: after 4:00 p.m. and before 7:00 a.m.. No additional costs for overtime or after hours work shall apply.

1.15 PROTECTION OF OTHER WORK

.1 Each trade shall avoid damage to other trades and shall take all measures necessary and provide all masking and materials necessary, to provide adequate protection.

.2 Each Subcontractor shall be held responsible for all damage to work installed by others that is caused by this work or by anyone employed by him.

.3 Patching and repairing of damaged work shall be done by the Contractor who installed the work, as directed by the Consultant, but the cost of same, shall be paid for by the Contractor who is responsible for the damage.

1.16 FASTENINGS

.1 All fastenings must be permanent, of same metal, or compatible with any metals with which they are in contact, of adequate size and spacing, to ensure permanent anchorage against load or shear.

.2 Exposed fastenings must be evenly spaced, neatly laid out and must not mar surfaces of prefinished materials.

.3 No ram-setting or similar techniques will be permitted, without prior written approval of the Consultant.

1.17 SUPPLY AND INSTALL

.1 Unless specifically noted, "*supply only*", any reference to supply intends the **supply and installation** of material or item so noted.

1.18 OCCUPATION BEFORE COMPLETION

.1 If the General Contractor, for any reason, does not have the Project completed by the specified completion date and the Owner, of necessity, is forced to occupy any part of the building before the whole of the Work is completed, the Contractor will not be entitled to any indemnity for interference with his operation.

1.19 GENERAL REQUIREMENTS

.1 All Contractors shall examine carefully all drawings and specifications to inform themselves fully of all conditions and limitations pertaining to the work of the contract.

.2 All Contractors shall co-operate and co-ordinate their work for the proper completion of the work, including co-ordination of delivery dates and commencement of subtrades work.

.3 The responsibility and costs for all work, including temporary structures, shoring, shoring design (if applicable) and erection shall at all times rest with the General Contractor and

his Subcontractors. The Consultant will review construction methods and shop drawings for general arrangements only. The method of obtaining the results contemplated by the Contract Documents shall be determined by the General Contractor.

.4 The undertaking of period site review by the Consultant or Owner Representative shall not be construed as supervision of actual construction, nor make them responsible for providing a safe place for work, visit, use, access, travel, or occupancy of the Consultant's or Owner's employees or agents.

.5 The General Contractor shall be fully responsible for coordinating and expediting the work of all Subcontractors and shall employ the necessary and qualified personnel to provide the required quality of labour and materials and to prevent delays in the progress of the project. Each trade shall be afforded all reasonable opportunities for the installation of its work and for the storage and handling of its materials.

1.20 COORDINATION

.1 The General Contractor shall coordinate all work and preparation on which subsequent work depends to facilitate mutual progress, and to prevent any conflict.

.2 The General Contractor shall ensure that each trade makes known, for the information of the General Contractor and other trades, the environmental and surface conditions required for the execution of its work; and that each trade makes known the sequence of others' work required for installation of its work.

.3 The General Contractor shall ensure that each trade, before commencing work, knows the requirements for subsequent work and that each trade is assisted in the execution of its preparatory work by trades whose work depends upon it.

.4 The General Contractor shall ensure that shop and layout drawings, templates, and all information necessary for the location and installation of materials, openings, inserts, anchors, accessories, fastenings, connections and access panels are provided by each trade whose work requires cooperative location and installation by other trades and that such information is communicated to the applicable installer.

.5 The General Contractor shall ensure that delivery of materials supplied by one trade to be installed by another is well before the installation begins.

.6 The General Contractor shall inform all trades that giving installation information in error, or too late to incorporate in the work, shall be responsible for any extra work caused thereby, unless impractical and where required, cutting shall be done by each respective trade, and patching shall be done by the general contractor.

1.21 ACCESS TO THE PROJECT

.1 The General Contractor for this Work shall, at all times allow the Consultants, the Owner, or any other Owner commissioned contractor or their employees, access into the building or around the premises, undisturbed, whether union or non-union, as may be required in the execution of other portions of the building work and installation of equipment, etc.

.2 The General Contractor shall cooperate fully with any and all Owner commissioned Contractors.

1.22 SUBTRADE AWARDS

.1 The Contractor shall, on notice of award of the contract, obtain the Consultants approval of a complete list of all persons or firms to which he proposes to sublet any part of the work, the trades or divisions of work which are to be sublet to each, and the amount of each trade. The General Contractor shall provide to the Consultant a financial breakdown showing all divisions of the work amounting to the full sum of the contract. Mechanical and Electrical trades shall be further broken down as specified in Divisions 26 and 33.

1.23 SAFETY DATA SHEETS

.1 The General Contractor shall ensure that the following material and safety data sheets are submitted prior to commencing installation and application of at least the following:

- .1 Lead-free solder
- .2 Resilient flooring
- .3 Painting and finishing
- .4 Fertilizers
- .5 Glues and adhesives
- .6 Pesticides
- .7 Herbicides
- .8 Any other product which may give off air borne particles after installation.
- .9 Sealants and caulking

.2 The General Contractor and all of his Subcontractors must note that specifically, Asbestos and Asbestos containing materials solder for piping containing lead, and Painting & Coatings containing lead and/or mercury must be excluded from any part of the Work.

.3 Contractor The General must submit Certificates of Compliance, prior to the application for Substantial performance, for each of the following items:

- .1 An affidavit relative to the use of Lead-free solder for all domestic water lines, regardless of location.
- .2 Products for which Material Safety Data Sheets have been submitted and accepted.
- .3 Other Work/Products identified in the Contract Documents as requiring a Certificate of Compliance.

.4 Each Certificate of Compliance must indicate names and addresses of the project, the Owner, the date of Issue, produce description including name, number, manufacturer, with a statement verifying that the Work/Product installed meets specified requirements and, if applicable, complies with the submitted and accepted Material Safety Data Sheets.

.5 Each Certificate of Compliance must be issued on the trade's letterhead, properly executed, under whose work the respective Work/Product has been provided.

.6 Each Certificate of Compliance must be endorsed by the General Contractor with his authorized stamp/signature.

.7 The Completion Security Account will not be paid to the Contractor without submission of all required affidavits and requested material and safety data sheets.

1.24 REGULATING DOCUMENTS

.1 The General Contractor and all of his Subcontractors, Suppliers/Installers etc., must conform to the latest editions in force at the time of tender of each and all of the following: Ontario Building Code, Canadian Electrical Code (CEC), The Occupational Health and Safety Act, Ontario, the National Fire Code, the local Municipal Fire Code, and all other applicable Codes and Building By-Laws. All must also conform to the requirements of the Authorities Having Jurisdiction, such as Public Utilities. Where required under the Occupational Health and Safety Act, engage a Professional Engineer to design hoarding, scaffolding and shoring, formwork and falsework for concrete.

.2 Contract forms, codes, standards and manuals referred to in these specifications are the latest published editions at the date of close of tenders. The General Contractor and all of his Subcontractors, Suppliers/Installers must meet or exceed the requirements of specified standards.

.3 Provide, on site, copies of documents referred to in the Specification for joint use of Contractor and Consultant.

1.25 SITE SUPERINTENDENTS AND PROJECT MANAGERS

.1 It is the requirement under the work to this Contract that the Contractor provide on-site, full-time, *Site Superintendent* for the entire project duration through to the end of Deficiency completion. Superintendent shall have qualifications of previous experience with similar projects. Superintendent shall remain assigned full time to the project until completion of all deficiencies. This is a base bid requirement and the Contractor shall include this cost in the Tender Amount.

1.26 GENERAL CONTRACTOR'S RESPONSIBILITIES

.1 The list of General Contractor's responsibilities identified below is by no means comprehensive, nor is it in any priority or critical order. It is here, merely to identify the most often forgotten or ignored responsibilities of the General Contractor and is reproduced only as a reminder. The Consultants and the Owner advise the General Contractor that it is he who is responsible for all aspects and facets of the Project, from start to completion, from compliance with Occupational Health and Safety regulations to compliance with all codes and statutes.

.1 The General Contractor will be responsible to take all necessary steps to protect personnel (workers, visitors, general public, etc.) and property from any harm during the course of the contract.

.2 All equipment shall be in safe operating condition and appropriate to the task.

.3 Only competent personnel will be permitted on site. During the site introduction, *only the Consultant* will determine who is competent. The General Contractor will cause to remove from the site any persons not observing or complying with safety requirements.

.4 The General Contractor shall comply with, and shall ensure that all of his Subcontractors, Suppliers, Installers etc., comply with all Federal, Provincial and Municipal Safety Codes and Regulations and the Occupational Health and Safety Act.

.5 The General Contractor shall supply competent personnel to implement his safety program and ensure that all Subcontractors comply with the Owner's standards, and those of the Occupational Health and Safety Act.

.6 The Owner will provide periodic monitoring to ensure that safety requirements are met, and that safety records are properly kept and maintained. Continued disregard for safety standards can cause the Contract to be canceled and the General Contractor removed from the site.

.7 The Owner may hire Commissioners to perform inspections of building systems at the closing stages of the work of this contract. If so contracted and identified in the *Instructions to Bidders*, the General Contractor shall cooperate with and coordinate the work of the Owner's Commissioners on site.

.8 The General Contractor will report to the Owner and Jurisdictional Authorities any accident or incident involving personnel and/or property of the Contractor, Owner, or Public, arising from the General Contractor's or any of his Subcontractors' execution of the work.

.9 The General Contractor will include all provisions of this contract in any agreement with Subcontractors, and hold them equally responsible for safe work performance.

.10 If the General Contractor is responsible for a delay in the progress of the work due to an infraction of legislation or Owner Health and Safety requirements, the Contractor will, without additional cost to the Owner, work such overtime, and acquire and use for the execution of the work such additional labour and equipment as to be necessary in the sole opinion of the Owner's Representative and Consultant, to avoid delay in the final completion of the work or any operations thereof.

1.27 MANUFACTURERS' INSTRUCTIONS

.1 Unless otherwise specified, the General Contractor and all his Subcontractors shall comply with manufacturer's latest printed instructions for materials and installation methods.

.2 The General Contractor shall notify the Consultant in writing of any conflict between the Specifications and Manufacturer's Instructions and have same clarified.

1.28 AIR AND VAPOUR SEAL

.1 The General Contractor shall ensure that exterior walls, windows, floor and roof surfaces provide an air-tight and vapour-tight membrane to prevent problems due to building vapour migration.

.2 In general, the air/vapour barrier must be achieved on the interior side of the thermal insulation.

1.29 FIRE SAFETY

.1 The General Contractor and all of his Subcontractors must comply with requirements of standard for Building Construction Operations, issued by the Fire Commissioner of Canada.

.2 The appropriate clauses of the Ontario Building Code relating to fire protection shall be strictly followed.

.3 The General Contractor shall provide and maintain free access to temporary or permanent fire hydrants acceptable to local fire department.

1.30 CONSTRUCTION SAFETY

.1 Refer also to *Section 01 35 23 – 'Site Safety Protocol for Occupied Buildings'*

.2 The General Contractor and all his trades must observe and enforce construction safety measures required by Canadian Construction Safety Code, Workplace Safety & Insurance Owner, and Municipal statutes. In particular, the Ontario Construction Safety Act, the regulations of the Ontario Department of Labour and Ontario Hydro Safety Requirements shall be strictly enforced. In event of conflict between any provisions of above authorities the most stringent provisions will apply.

.3 The General Contractor is reminded, once again, that it is he who is responsible for Occupational Health and Safety on this Project. The items listed below are only guidelines of the Owner's expectations in this regard and not to be construed to be comprehensive or total in nature.

.4 The Owner will take every reasonable precaution to prevent injury or illness to students, employees and the public, participating in Owner activities, or performing their duties. This shall be accomplished by providing and maintaining a safe, health working environment by providing the education necessary to perform these activities or duties safely.

.5 The Owner is vitally interested in the health and safety of all Contractors and their workers performing work for the Owner. Cooperation and support of the General Contractor in the protection of workers from injury or occupational disease is a major, continuing object of the Owner. To achieve these goals, the Owner, in concert with the Contractors, will endeavor to make every effort to ensure that the Contractors provide a work site which is a safe and healthy work environment. The Owner insists that all Contractors and their workers are dedicated to the continuing objective of reducing risk and injury.

.6 The General Contractor covenants and agrees to comply with all statutory and other obligations, including, without limitation, the provisions of the Occupational Health and Safety Act (Ontario) and all Regulations thereto, and all amending and successor legislation, including without limitation, Bill 208 (the "Act") in connection with all work performed by either the Contractor, Subcontractors, or any Other Contractor on, or in connection with, the Project.

.7 Without limiting the foregoing, for the purposes of this Contract, the General Contractor agrees that they shall be the "constructor" of the Project within the meaning of the Act,

and as such, shall assume all the obligations and responsibilities, and observe all construction safety requirements and procedures, and duties of inspection imposed by the Act on the "constructor", as therein defined, for all work and services performed by the General Contractor, Subcontractors and Other Contractors on or in connection with the Project.

.8 The General Contractor further covenants and agrees that the Owner and its existing and former officers, trustees, employees and agents, and their respective heirs, executors, administrators, successors and assigns (hereinafter collectively referred to as the "Owner") shall be released from any obligations or liabilities otherwise imposed on the Owner, or on any of them, pursuant to the Act in connection with the Project, and that the General Contractor shall assume all liability and responsibility in connection with same.

.9 The General Contractor agrees to save harmless and indemnify the Owner from any losses, damages, costs and expenses of any kind, or nature whatsoever, including all legal expenses, and all defense costs and related expert or consulting fees, incurred by the Owner, or any of them, arising in connection with the failure, default, or inability of the General Contractor of the Owner, or any of them, to comply with any of the aforementioned statutory, or other legal requirements, or arising in connection with any breach by the General Contractor of any of its covenants, agreements and obligations under this Contract.

.10 The General Contractor shall inform and instruct Other Contractors that they, while performing work on this project, are under the authority of the Contractor. Other Contractors are to discuss and co-ordinate with, and follow instructions from, the General Contractor on all matters of site access, vehicles, deliveries, storage, temporary facilities, coordination with the work of other subcontractors, work methods, scheduling, labour conditions, construction safety, environmental protection, security and all other matters which relate to the safe and proper execution of construction work.

.11 The General Contractor shall ensure that all supervisory personnel on job site are fully aware of the procedures and requirements outlined above and comply with all requirements specified.

.12 All Contractors are responsible to ensure that all machinery and/or equipment are/is safe and that the workers perform their tasks in compliance with established safe work practices or procedures. Workers must receive adequate training in their specific work tasks to protect their health and safety.

.13 The General Contractor shall be responsible for all persons and companies performing work, including Other Contractors, on this project, at all times, up to and including, the date of Substantial Performance of the Work. Authority for coordination and instructions relating to all matters which relate to the safe and proper execution of construction work shall rest with the General Contractor. The Contract Price must include the General Contractor's fees for the coordination and supervision of the work of all Other Contractors.

.14 In addition to the responsibility of all contractors as outlined above, Subcontractors will be held accountable for the health and safety of workers under their supervision.

.15 Every worker must protect his/her own health and safety by working in compliance with the law and with safe work practices and procedures established by the authorities having jurisdiction.

.16 All sections of the Occupational Health and Safety Act for Industrial Establishments, latest edition, and the Occupational Health and Safety Act for Construction projects, latest edition, shall be enforced, by the General Contractor, in their entirety, throughout the duration of the construction project.

.17 The General Contractor shall provide the Consultant with the telephone number where the General Contractor or his representative can be reached at any time, day or night, for the duration of the contract.

.18 Where an accident, explosion, or fire causes a person injury at the work place, and the worker is disabled from performing the usual task, the General Contractor shall prepare a written notice and shall forward same to the Ministry of Labour within four days of the occurrence with a copy to the Owner's Representative, who shall copy and inform the Owner's Supervisor of Health and Safety and/or the Owner's Joint Health and Safety Committee, containing such information and particulars as may be described.

.19 Where a person is killed or critically injured from any cause at the work place, the General Contractor shall immediately call the Ministry of Labour. A written notice from the General Contractor shall be given to the Ministry of Labour within forty-eight hours after the occurrence, containing such information and particulars as may be prescribed, with copies to the Architect and the Owner's Representative.

.20 The General Contractor is advised that the accident scene is under the jurisdiction of the Ministry of Labour and no wreckage, articles, etc., shall be interfered with, disturbed, destroyed, altered or carried away at the scene, or connected with the occurrence, until the Ministry of Labour has given permission.

1.31 INDEPENDENT TESTS AND INSPECTIONS

.1 The Contractor shall appoint inspection firms as directed by the Consultant and make payments from the cash allowances specified in Division noted, except for the following, which shall be included in the contract:

- .1 Inspection and testing required by laws, ordinances, rules, regulations or orders of public authorities.
- .2 Inspection and testing performed exclusively for Contractor's convenience.
- .3 Testing, adjustment and balancing of mechanical and electrical equipment and systems.
- .4 Mill tests and certificates of compliance.
- .5 Re-testing as already described in *Quality Control* of this Section.

.2 The Consultant will authorize payment of inspection services from specified cash allowances.

.3 The General Contractor shall furnish labour and facilities to:

- .1 Provide access to work to be inspected and tested.
- .2 Facilitate inspections and tests.

.3 Make good work disturbed by inspection and test.

.4 Pour concrete test cylinders and store as directed by Inspection Firm.

.4 The General Contractor shall notify Inspection Firms sufficiently in advance of operations to allow for assignment of laboratory personnel and scheduling of test.

.5 Where materials are specified to be tested, the General Contractor shall deliver representative samples in required quantity to testing laboratory.

1.32 PERIODIC CLEANING

.1 Refer also to Section 01 74 11.

.2 As part of the Tender, the General Contractor shall provide all necessary garbage bins through the duration of the project. The General Contractor shall ensure that the following is accomplished:

.1 Keep all areas of the Work clean and orderly, free from accumulation of dirt, debris, garbage, oily rags, excess material, or such other trash items. Remove such items for all areas of the Work on a daily basis.

.2 Vacuum and/or broom interior building areas when ready to receive painting and other finishes. Continue cleaning on an "as needed" basis until the building is ready for inspection and takeover.

.3 Schedule cleaning operations so that resulting dust and other contaminants do not affect wet, newly painted surfaces.

.4 In preparation for Substantial Performance and Occupancy, conduct inspections of all exposed interior and exterior surfaces.

.5 Remove grease, dust, dirt, stains, labels, fingerprints, and other foreign materials from all exposed interior and exterior finishes, including glass and other polished surfaces.

.6 Remove all protective film from switch plates and hardware, particular kick plates.

.7 Clean lighting reflectors, lenses and other lighting surfaces.

.8 Broom clean paved surfaces and rake clean other disturbed surfaces in the area of the Work, to remove site debris caused by the Work of this Contract. Inspect for damages and make good.

.9 Remove debris and surplus materials from the roof areas and accessible concealed spaces.

.10 Replace heating, ventilation and/or air conditioning filters through the entire building to the extent that they supply or return from the work areas, whether or not, the units were operated during construction operations.

.11 Refer to "cleaning" sections of the specifications for additional specific periodic and final clean up requirements.

.3 The General Contractor must note the Owner insists that tiled (VCT) and sheet good floors (vinyl or linoleum) be broom swept only. Wet mopping and waxing/polishing will be done by the Owner's Caretaking Staff.

.4 Do not provide sealants and waxes on terrazzo, ceramic and other hard surfaced floors without reviewing products and methods of application with the Owner's Caretaking

Staff. Failure to comply with this requirement will result in the contractor stripping these floors in their entirety.

.5 The contractor shall also ensure that the appropriate measures including a stone mud mat are installed and maintained at all construction entrances, to avoid contamination of City roads and sewers. It is the Contractor's responsibility and not the Owner's to ensure that site entrances and roadways in front of the site are maintained in clean condition acceptable to the municipality or Subdivision Engineer, as the case may be for un-assumed subdivisions.

.6 The contractor shall inspect the existing elevator sump pump on a weekly basis for the duration of construction. The sump pump is located within the construction hoarding area.

1.33 TEMPORARY PROTECTION

.1 Refer also to Articles 1.8, in this Section.

.2 The General Contractor to provide temporary dustproof and fire resistant barricades, screens or barriers to separate all work areas from other parts of the building and/or as directed by the Consultant and/or authorized Owner Representative, for the safety of persons, or for dividing the Work from portion or portions of the building or site that may be required for use by the school, or others.

.3 Properly protect the Work from any damage by the elements. In cold weather cover all exterior openings in the work areas likely to cause water damage.

.4 During off hours and/or stages of suspended operations for whatever reasons, the General Contractor must assume all responsibility for protection against the elements, theft and/or vandalism. This applies to all work in progress and to any materials, products, tools, equipment, or other such items left at the work site.

.5 Properly protect floors and roofs from any damage. Take special precautions when moving heavy loads or equipment over floors and roofs.

.6 The General Contractor must keep floors free of oils, grease or other such materials likely to discolour them and/or affect bonding of applied surfaces.

.7 The General Contractor must ensure that no part of the Work is loaded greater than it was designed for, when completed. Make any temporary support as strong as the permanent support. Place no load on concrete structure until it has sufficient strength to safely bear such load.

.8 Protect glass and other finishes against heat, slab and weld splatters, using appropriate protective shields and covers.

.9 The General Contractor must provide and maintain, in good working order, appropriately labeled ULC fire extinguishers, to the approval of Authorities Having Jurisdiction.

.10 The General Contractor must provide a minimum of two safety helmets on site at all times for the use of the Consultant and any other Owner authorized visitors to the site. It is the General Contractor's responsibility to make certain that any such visitors wear the

protective headgear and any other safety gear which may be necessary at that particular time of construction.

1.34 COMPLETION

.1 Upon completion of the Work, all protection erected shall be removed, all damage to the Work and adjoining Work due to the lack or failure of such protection shall be made good and all debris, surplus materials tools equipment shall be removed from the work areas and the site, and the Project shall be left clean and tidy to the full and complete satisfaction of the Consultant and Owner Staff. The General Contractor shall give written notice to the Consultant, requesting final inspection of the completed Project.

.2 Refer to the pertinent sections of the Specifications for requirements with respect to submission of *Record Documents, Maintenance Materials, Special Tools* and *Spare Parts.*

1.35 GUARANTEES

.1 Refer to individual specifications sections for additional information on warrantees. In the event an extended warranty is listed in the specific Section, that section will have precedence over this list. If no extended warranty is listed, this list will govern:

.1	Entire Building, General Contract	1
.2	Finish Carpentry	2
.3	Caulking	2
.4	Finish Hardware	3
.5	Panic Devices and Door Closers	5
.6	Acoustic Ceilings	2
.7	Built Up Roofing (installation)	2
.8	Built Up Roofing (manufacturer's)	10
.9	Concrete Floors	3
.10	Ceramic Tile	5
.11	Painting (OPCA warranty)	2
.12	Resilient Tile	3

.2 The guarantee period shall start on the date of issue of the Certificate of Substantial Performance of the Contract by the Consultant.

1.36 CONTINGENCY ALLOWANCE

.1 Include in the Tender Amount a Contingency Allowance in the amount of **one hundred and fifteen thousand dollars, ($115,000.00) not including HST.**

.2 Expend Contingency Allowance as directed by the Consultant, in writing, in accordance with the Contract

.3 Contractor's charges for expenses and profit on Contingency Allowance expenditure shall not be included in Contract Price. Refer to the Contract and Supplementary Conditions for percentages of mark-ups.

.4 Such charges shall be added to the net trade cost of each expenditure from the Contingency Allowance at the percentage rates noted in the PDSB Stipulated Price Contract rev. 2020.

.5 *Changes to the Work shall be added to, or deducted from, the Contingency Allowance, not from the Owner approved Contract. The Contract shall be adjusted by Owner approval, only once - at the end of the Project.* Credit the Contract with any unused portion of the Contingency Allowance only in the final payment statement.

1.37 CASH ALLOWANCES

.1 Include in the Contract Price, a Cash Allowance in the amount of **thirty-five thousand dollars, ($35,000.00) not including HST.**

.2 Cash Allowances, unless otherwise specified, cover the net cost to the General Contractor of services, products, construction, machinery and equipment, freight, handling, unloading, storage installation and other authorized expenses incurred in performing the Work.

.3 The Contract Price, *and not the Cash Allowance*, includes the General Contractor's profit and coordination costs in connection with all Cash Allowance expenditures.

.4 The Contract Price will be adjusted by written order by the Consultant to provide for an excess or deficit to each Cash Allowance. Any unused portions of these allowances shall be returned to the Owner on the conclusion of the Contract.

.5 A schedule shall be prepared jointly by the Consultant and the General Contractor to show when items called for under Cash Allowances, so that the progress of the Work is not delayed.

.6 Exclusive of Deposits, which are the contractor's sole responsibility to provide as required of Authorities Having Jurisdiction, the following is a summary of the scope Cash Allowances to be included in the contract:

.7 Expend both Cash Allowances as directed by the Consultant in writing. Allowances will be adjusted to actual cost with no adjustment to Contractor's charges. Cash expenditure must identify the H.S.T. separately.

.9 Cash Allowance Breakdown of Items

- .1 Testing and Inspections (requested by Consultant, Owner or imposed by Authorities)
- .2 Interior signage (supply and install)
- .3 PA/Telephone System Supply and Install (rough-ins included in base contract)
- .4 Computer Components System (rough-ins included in base contract)
- .5 Preparation of digital as-built drawings (if completed by the Consultants)

1.38 ALLOWANCES CARRIED IN DIVISIONS 15 AND 16

.1 No Additional Cash Allowances are included in the work of Divisions 15 and 16.

1.39 SCHEDULE OF ALLOWANCES

.1 Material Allowances shall include the following:

- .1 Net cost of Material
- .2 Applicable taxes and duties
- .3 Delivery to site

.2 For Material Allowance, the contract shall include:

- .1 Handling at site, including unloading, uncrating, storage and hoisting
- .2 Protection from elements, from damage
- .3 Labour, installation and finishing
- .4 Other expenses required to do cash allowance work (i.e. contract co-ordination)
- .5 Overhead and profit

.3 Material and Installation Allowances shall include the following:

- .1 Net cost of material
- .2 Applicable taxes and duties
- .3 Deliver to site
- .4 Handling at site, including unloading, uncrating, storage and hoisting
- .5 Labour, installation and finishing

1.40 POLYCHLORINATED BIPHENYL (PCB)

.1 Conform to the Environmental Protection Act and Regulations, Ontario Regulation 11/82 as amended.

1.41 USE OF CONSULTANTS'S DIGITAL DRAWINGS

.1 Where a contractor wishes to obtain a digital copy of consultant drawings for shop drawings or survey purposes, the consultant may elect to provide this drawing for a nominal fee. As this is the consultants' option, the contractor shall not anticipate provision of these digital drawings to meet the contract schedule.

1.42 BUILDING DIMENSIONS

.1 Ensure that all necessary job dimensions are taken and all trades are co-coordinated for the proper execution of the work. Assume complete responsibility for the accuracy and completeness of such dimensions, and for co-ordination.

.2 Verify that all work, as it proceeds, is executed in accordance with dimensions and positions indicated which maintain levels and clearances to adjacent work, as set out by requirements of the drawings, and ensure that work installed in error is rectified before construction resumes.

.3 Check and verify all dimensions referring to the work and the interfacing of all services. Verify all dimensions, with the trade concerned when pertaining to the work of other trades. Be responsible to see that Subcontractors for various trades co-operate for the proper performance of the Work.

.4 Avoid scaling directly from the drawings. If there is ambiguity or lack of information, immediately inform the Consultant. Be responsible for any change through the disregarding of this clause.

.5 All details and measurements of any work which is to fit or to conform with work installed shall be taken at the building.

.6 Advise Consultant of discrepancies and if there are omissions on drawings, including layout of items which affect aesthetics, or which interfere with services, equipment or surfaces. DO NOT PROCEED without direction from the Consultant.

.7 Prepare interference drawings AND SUBMIT AS SHOP DRAWINGS IN ADVANCE OF PRODUCTION to properly co-ordinate the work in all ceiling spaces and where necessary. Coordinate these drawings with all Divisions. Refer also to Section 013300.

1.43 SETTING OF WORK AND REQUIRED SURVEYS

.1 As part of the base tender amount, provide and pay for the services of a Land Surveyor acceptable to the Consultant, registered in the Province of Ontario to establish the property boundaries and the location of the building addition.

.2 Lay out building lines for the work and provide substantial stakes, batter Owners or monuments to preserve lines and levels.

.3 Verify on the site all grades, lines, levels, dimensions and location of hydrants, existing structures, manholes, overhead and buried utilities, existing trees, roadways, sidewalks and the like, shown on the drawings, and report omissions, errors, or inconsistencies, before commencing work.

.4 Upon completion of layout work and before commencement of any excavation, give ample notification to allow for inspection of lines and levels. Such inspection does not in any way mitigate the Contractor's responsibility for accuracy of layout.

.5 Provide the consultant with a Surveyor’s Certificate describing the location of all perimeter foundation walls relative to property lines before construction proceeds on those walls.

1.44 LAYOUT OF WORK

.1 Layout work with respect to the work of all trades. Arrange mechanical and electrical work such as piping, ducts, conduits, panels, equipment and the like to suit the architectural and structural details.

.2 Alterations necessary due to conflict and interference between trades, to be executed at no cost to the Owner unless notification is given in writing before Tender Closing Date.

1.45 DOCUMENTS REQUIRED AT START, DURING & CLOSE-OUT OF CONSTRUCTION

.1 At Commencement of Contract

.1 Supply Performance Bond and Labour and Material Bond, in accordance with Section 00 21 13, Instructions to Bidders.

.2 Supply Public Liability and Property Damage Insurance Certificates, also Builder's Risk and Boiler Insurance as required of the Contract.

.3 Supply Certificates of good standing from WSIB for the General Contractor and all Subcontractors.

.4 Supply a complete Contract Sum Breakdown of all subtrades or parts of work and general expense items for approval by all consultants. Include Mechanical and Electrical Breakdowns for review and acceptance by Consultants.

.5 Supply a competent detailed Construction Schedule that has been reviewed and approved by major subtrades. Identify critical milestone dates for Renovations.

.6 Supply Cash Flow schedule of monthly progress payments in coordination with the Construction Schedule and plot as 'S' curve chart.

.7 Supply Schedule of Shop Drawing Submissions and identify list of long-lead items.

.8 Apply for and post and supply a copy of Notice of Project.

.9 Supply a copy of Health & Safety policy as well as post at the job site.

.10 Supply Shoring Designs of all load bearing areas if any required of the construction sequence or if required by the Structural Engineer.

.11 Supply interference drawings for all areas requested by the Architect, Mechanical Engineer or Electrical Engineer.

.2 During Construction

.1 Maintain as-built record drawings in clean condition.

.2 Organize regular Trade Coordination meetings.

.3 Organize separate, regular Owner and Consultant Job Meetings in accordance with Section 012200.

.4 Maintain a copy of up to date records on site including, but not limited to Permit Sets, Contract Documents updated with all addenda, all Changes and Supplementary Instructions issued by Consultants.

.3 Monthly with Each Progress Payment Application

.1 Supply Monthly Progress Reports and Construction Schedule in accordance with Section 012200.

.2 Adjust Allowances, as required.

.3 Current WSIB Form

.4 Confirm that payments are being made to subcontractors and suppliers by submission of original copies of the current versions of Statutory Declarations with the second and subsequent Progress Payment Application. Include both Statutory Declarations Form CCDC-9A for the General Contractor and CCDC-9B from subcontractors with each monthly Progress Payment Application. No payment will be made for unincorporated material on the site, unless Bill of Sale in proper format is provided.

.4 Prior to Substantial Completion

.1 Provide detailed Completion Schedule a minimum of 90 days prior to Substantial Completion. Schedule to illustrate all trades and sequences required for completion and legal occupancy. Issue to Consultants and upon acceptance, to all trades.

.2 Coordinate Completion Schedule with Building Commissioner at least 60 days prior to substantial completion or as directed by Consultant.

.3 Prior and as a requirement of owner acceptance of Substantial Completion of the work the following to be observed, executed and submitted:

.1 DEFICIENCIES ARE LISTED: prior to Substantial Completion, the contractor shall prepare a room by room deficiency list in electronic format on an MS Excel spreadsheet provided by the Consultant. Contractor shall print and review on site with consultants at a site meeting and post on each room or area. Contractor shall reissue back to Consultant, when updated, in Excel electronic format. This list will be acted upon by all trades and coordinated and updated weekly as a minimum by the General Contractor to ensure all deficiencies are addressed by the date required for Total Performance. Confirm in writing to the Architect when and on what dates each deficiency has been completed in a satisfactory manner. The Consultant's site review will be final approval.

.2 Acceptable preliminary submissions of all Mechanical and Electrical Operations and Maintenance Manuals have been reviewed by Consultants.

.3 Acceptable preliminary submissions of all Warranty and Shop Drawing Records have been reviewed by Consultants.

.4 All final clean-up to have been executed, as specified in Section 01 74 11.

.5 Complete preliminary balancing and provide preliminary Balancing Reports.

.4 Failure to comply with these requirements shall have amounts withheld on Progress Payments and delay issuance of Certificate of Substantial Completion.

.5 Note that Prior to the Release of Holdback, a similar Progress Claim is required, and must include current Statutory Declaration Forms CCDC-9A for the General Contractor and CCDC-9B from subcontractors updated to refer to the Previous Certificate of Payment.

.5 Upon Completion (Refer also to 01 78 00 Close-Out Submittals)

.1 Upon completion of work before the Final Certificate of Payment is issued, the following to be observed, executed and submitted:

.2 DEFICIENCIES ARE COMPLETE. Confirm in writing to the Architect when and on what dates each deficiency has been completed in a satisfactory manner. The Consultant's site review will be final approval.

.3 Finishing Hardware, Inspection and Verification. Note requirements for qualified installation and inspection in Section 08 71 10- Door Hardware.

.4 Organize a Final Inspection tour at which to be present: the Owner's authorized representative; the Architectural, Structural, Mechanical and Electrical Consultants, and their supervisory personnel, if any; the Contractor and his superintendent.

.5 Where the above procedure is impossible or where any deficiencies remain outstanding, the Owner's representative and the Consultant concerned, to inspect and accept the affected work and/or material upon notification by the Contractor, that all deficiencies involving this Consultant have been made good.

.6 A complete release of all liens arising out of this Contract, other than his own. If a subcontractor or supplier refuses to furnish a release of such a lien, furnish a bond satisfactory to the Owner to indemnify him against any claim under such a lien.

.7 Certificates of good standing from the WSIB, for the General Contractor and all Subcontractors.

.8 All reference records, as specified, under Section 01 78 00.

.9 Certificate of Inspection from Mechanical and Electrical Engineers.

.10 Copies of all Lists of Deficiencies with each Deficiency verified when complete by only this project's job Superintendent. The Final List of Deficiencies to be signed, completed by all concerned, if accepted.

.11 Statement of Completion from General Contractor.

.12 Final adjustment of all Allowances.

.13 Certificates required by Provincial, Municipal and other authorities having jurisdiction. Including signed Building Permit.

.14 2 sets of marked up prints of complete Architectural, Structural, Mechanical and Electrical drawings in addition to the digital copies required below.

.15 Digital copy of Site Services, Architectural, Structural, Mechanical and Electrical and 2 sets As-Built Drawings

.16 Final copies of all Maintenance Manuals.

Part 2 Products

2.1 NOT USED

.1 Not used.

Part 3 Execution

3.1 NOT USED

.1 Not used.

END OF SECTION

Part 1 General

1.1 PROJECT MEETINGS FOR COORDINATION

.1 In consultation with the Consultant not later than the second week of construction, arrange for site meetings weekly or every 2 weeks as appropriate to the stage of construction, for project coordination. Such meetings shall fall at the same time each week the meeting is scheduled.

.2 Responsible representatives of the Contractor's and Subcontractor's office and field forces and suppliers shall be obliged to attend.

.3 Inform the Owner, Consultant, and those others whose attendance is obligatory, of the date of each meeting, in sufficient time to ensure their attendance.

.4 Provide physical space for meetings, prepare an agenda, chair and record the minutes of each meeting. Relevant information must be made available to all concerned, in order that problems to be discussed may be expeditiously resolved. Identify "action by: _____".

.5 Within three days after each meeting, distribute two copies of the minutes to each invited person.

1.2 PRECONSTRUCTION MEETING

.1 Refer to *Section 01 35 23 – 'Site Safety Protocol for Occupied Buildings"* for additional measures and items in addition to this section.

.2 Refer to *Section 01 11 00 – "General Instructions and Summary of Work", article – 'Demolition and Construction Scheduling and Sequencing"* for additional measures and items in addition to this section.

.3 Within 5 days after award of Contract, request a meeting of parties in contract to discuss and resolve administrative procedures and responsibilities.

.4 Include in the agenda the following:

.1 Appointment of official representative of participants in the Work.
.2 Scheduling of Work. Schedule to include a detailed breakdown of mechanical and electrical works.
.3 Interference with ongoing business.
.4 Work by other Contractors.
.5 Schedule of submission of shop drawings and samples.
.6 Requirements for temporary facilities, site sign, offices, storage sheds utilities.
.7 Delivery schedule of specified equipment.
.8 Site security.
.9 Contemplated change notices, change orders, procedures, approvals required, mark-up percentages permitted, time extensions, overtime, administrative requirements.

.10 Record drawings.

.11 Maintenance manuals.

.12 Take-over procedures, acceptance, warranties.

.13 Monthly progress claims, administrative procedures, photographs, holdbacks.

.14 Appointments of inspection and testing agencies or firms.

.15 Insurances, transcript of policies.

.16 Schedule for progress meetings.

.17 The Architect will issue a sample agenda and minutes; the contractor will record and issue minutes within 5 days after the meeting.

1.3 PROJECT MEETINGS FOR PROGRESS OF WORK

.1 Conduct progress meetings in accordance with the schedule and/or decisions made at Preconstruction meeting.

.2 Inform the Owner, Consultant, project consultants, Subcontractors and suppliers and those whose attendance is obligatory, of the date of the meeting, in sufficient time to ensure their attendance.

.3 Include in the agenda the following:

.1 Review, approval of minutes of previous meeting.

.2 Review of Work progress since previous meeting.

.3 Field observations, problems, conflicts.

.4 Problems which impede construction schedule.

.5 Review of off-site fabrication delivery schedules.

.6 Corrective measures and procedures to regain projected schedule.

.7 Revisions to construction schedule.

.8 Progress during succeeding work period.

.9 Review submittal schedules: expedite as required.

.10 Maintenance of quality standards.

.11 Pending changes and substitutions.

.12 Review proposed changes for effect on construction schedule and on completion date.

.13 Other business.

1.4 PROGRESS RECORDS

.1 Maintain a permanent written record on the site of the progress of the work using standard OGCA form. This record shall be available to the Consultant at the site, and a copy shall be furnished to same on request. The record shall contain:

.1 Daily weather conditions, including maximum and minimum temperatures.

.2 Dates of the commencement and completion of stage or portion of the work of each trade in each area of the project.

.3 Conditions encountered during excavation.

.4 Dates of erection and removal of formwork, in each area of the project.

.5 Dates of pouring the concrete in each area of the project, with quantity and

Particulars of the concrete.

.6 Work force on project daily per trade and active hours.

.7 Visits to site by personnel of Consultant, Jurisdictional Authorities and testing companies.

.8 Review records with Architect at the Architect's periodic site visit and fax to his/her office.

1.5 PROGRESS REPORTS

.1 Submit to the Architect, Monthly Progress Reports consisting of a concise narrative and a marked-up summary schedule showing physical percentage complete by item and in total. These progress calculations must agree with the Progress Payment Claims.

1.6 DIGITAL CONSTRUCTION SCHEDULES

.1 At the outset of the project, General Contractor to provide and maintain a digital project schedule including Milestone Dates and listing all trades.

.2 Update and issue to Consultant in hard copy and electronic copy not less than monthly and at each Progress Draw. To be issued in format compatible with Microsoft Project program.

.3 At 70% completion of Project, develop a detailed Completion Schedule outlining final coordination and sequences to completion.

1.7 DOCUMENTS REQUIRED AT START, DURING & CLOSE-OUT OF CONSTRUCTION

.1 At Commencement of Contract

.1 Supply Performance Bond and Labour and Material Bond, including Bonds required for Mechanical and Electrical sub-contractors in accordance with Section 00 21 13, Instructions to Bidders.

.2 Supply Public Liability and Property Damage Insurance Certificates, also Builder's Risk and Boiler Insurance as required of the Contract.

.3 Supply Certificates of good standing from WSIB for the General Contractor and all Subcontractors.

.4 Supply a complete Contract Sum Breakdown, of all subtrades or parts of work and general expense items for approval by all consultants. Include Mechanical and Electrical Breakdowns for review and acceptance by Consultants. Consultant will assist with division of Allowances.

.5 Required for Pre-Construction meeting: Supply a competent detailed Construction Schedule, in electronic and printed form, that has been reviewed and approved by major subtrades. Identify critical milestone dates ("critical path"). Electronic Form shall be updated against baseline original schedule.

.6 Supply a forecast Cash Flow Schedule, showing values of monthly progress to illustrate work volume to achieve Substantial Completion and Total Performance dates.

.7 Supply Schedule of Shop Drawing Submissions.

.8 Apply for and post and supply a copy of Notice of Projects.

.9 Supply a copy of Health & Safety policy as well as post at the job site.

.10 Supply Shoring Designs for Demolition Areas of all load bearing areas if so required or requested by the Structural Engineer.

.11 Supply Method Statements for all areas involving demolition of load bearing walls, for all areas requested by Architect or the Structural Engineer.

.12 Supply interference drawings for all areas requested by the Architect, Mechanical Engineer or Electrical Engineer.

.2 During Construction

.1 Maintain as-built record drawings in clean condition.

.2 Organize regular Trade Coordination meetings and take minutes. Have minutes available for review on site by consultant.

.3 Organize separate, regular Owner and Consultant Job Meetings in accordance with this Section.

.4 Maintain a copy of up to date records on site including, but not limited to Permit Sets, Contract Documents updated with all addenda, all Changes and Supplementary Instructions issued by Consultants, inspections by Authorities and their remarks, Inspection and Testing company reports and filed reviews.

.3 Monthly with Each Progress Payment Application

.1 Supply Monthly Progress Reports and Construction Schedule in accordance with Section 012200, Meetings and Progress Reports.

.2 Updated Cash Flow Schedule.

.3 Updated Construction Schedule, showing baseline and actual progress.

.4 Adjust Allowances, as required.

.5 Current WSIB Form

.6 Confirm that payments are being made to subcontractors and suppliers by submission of original copies of the current versions of Statutory Declarations with the second and subsequent Progress Payment Application. Include both Statutory Declarations Form CCDC-9A for the General Contractor and CCDC-9B from subcontractors with each monthly Progress Payment Application. No payment will be made for unincorporated material on the site, unless Bill of Sale in proper format is provided.

.4 Prior to Substantial Completion and to achieve Substantial Completion

.1 Refer also to Section 01 78 00 – '*Close-out Submittals'*.

.2 Prior to Substantial Completion of the work the following to be observed, executed and submitted:

.3 DEFICIENCIES ARE LISTED: prior to Substantial Completion, the contractor shall prepare a room by room deficiency list in electronic format (template to be supplied by the Consultant), print and review on site with consultants at a site meeting and post on each room or area. This list will be acted upon by all trades and coordinated and updated weekly as a minimum by the General Contractor to ensure all deficiencies are addressed by the date required for Total Performance. Confirm in writing to the Architect when and on what dates each deficiency has been completed in a satisfactory manner. The Consultant's site review will be final approval.

.4 Acceptable preliminary submissions of all Mechanical and Electrical Operations and Maintenance Manuals have been reviewed by Consultants.

.5 Acceptable preliminary submissions (90% complete) of all Warranty and Shop Drawing Records have been reviewed by Consultants.

.6 All final clean-up to have been executed, as specified in Section 017411, Cleaning.

.7 Preliminary Balancing Reports.

.8 Failure to comply with these requirements shall have amounts withheld on Progress Payments and delay issuance of Certificate of Substantial Completion.

.9 Note that Prior to the Release of Holdback, a similar Progress Claim is required, and must include current Statutory Declaration Forms CCDC-9A for the General Contractor and CCDC-9B from all major subcontractors/suppliers, updated to refer to the Previous Certificate of Payment.

.5 Upon Completion

.1 Upon completion of work before the Final Certificate of Payment is issued, the following to be observed, executed and submitted:

.2 DEFICIENCIES ARE COMPLETE. Confirm in writing to the Architect when and on what dates each deficiency has been completed in a satisfactory manner. The Consultant's site review will be final approval. **Refer to required timelines below**.

.3 Finishing Hardware, Inspection and Verification. Note requirements for qualified installation and inspection in Section 087110- Door Hardware. Inspection only is paid for from Cash Allowances.

.4 Organize a Final Inspection tour at which to be present: the Owner's authorized representative; the Architectural, Structural, Mechanical and Electrical Consultants, and their supervisory personnel, if any; the Contractor and his superintendent.

.5 Where the above procedure is impossible or where any deficiencies remain outstanding, the Owner's representative and the Consultant concerned, to inspect and accept the affected work and/or material upon notification by the Contractor, that all deficiencies involving this Consultant have been made good.

.6 A complete release of all liens arising out of this Contract, other than his own. If a subcontractor or supplier refuses to furnish a release of such a lien, furnish a bond satisfactory to the Owner to indemnify him against any claim under such a lien.

.7 Certificates of good standing from the WSIB, for the General Contractor and all Subcontractors.

.8 All reference records, as specified, under *Section 17800, Close Out Submittals*

.9 Certificate of Inspection from Mechanical and Electrical Engineers.

.10 Copies of all Lists of Deficiencies with each Deficiency verified when complete by only this project's job Superintendent. The Final List of Deficiencies to be signed, completed by all concerned, if accepted.

.11 Statement of Completion from General Contractor.

.12 Final adjustment of all Allowances.

.13 Certificates required by Provincial, Municipal and other authorities having jurisdiction. Including signed Building Permit.

.14 Final Balancing Reports showing completed adjustments

.15 Digital copy of Architectural, Mechanical and electrical and 1 set of manual As-Built Drawings.

.16 As-Built Survey by O.L.S. (2 copies and diskette)

.17 Final copies of all Maintenance manuals.

.6 **Requirement for Completion of Deficiencies**.

.1 The owner requires that following Substantial Completion that the date for Total Completion including all deficiencies is respected.

.2 Should deficiencies remain beyond the required date for Total Completion, the owner and consultant may engage other contractors to complete the work and deduct the costs from the Completion Security Account plus administrative costs. At all times the Contractor must communicate with Consultant on his schedule of activities and he must perform supervision and coordination of the completion of all deficiencies, regardless of subtrade performance.

Part 2 Products

2.1 NOT USED

.1 Not used.

Part 3 Execution

3.1 NOT USED

.1 Not used.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

.1 Shop drawings and product data.

.2 Samples.

1.2 SHOP DRAWINGS

.1 Submit to Architect, for review, shop drawings, product data and samples specified.

.2 Until submission is reviewed, work involving relevant product must not proceed.

1.3 RELATED SECTIONS

.1 Section 011100 – Summary of Work.

1.4 REFERENCES

.1 Stipulated Price Contract for Peel District School Board

1.5 SHOP DRAWINGS AND PRODUCT DATA

.1 The term "shop drawings" means drawings, diagrams, illustrations, schedules, performance charts, brochures and other data which are to be provided by Contractor to illustrate details of a portion of Work.

.2 Drawings to be originals prepared by Contractor, Subcontractor, Supplier or Distributor, which illustrate appropriate portion of work; showing fabrication, layout, setting or erection details as specified in appropriate Sections.

.3 Identify details by reference to sheet and detail numbers shown on Contract Drawings.

.4 If sheet size exceeds 11” x 17” to a maximum sheet size 606 x 909 mm then one set of reproducible transparencies plus opaque prints shall be submitted for copying.

1.6 PROJECT DATA

.1 Certain specification Sections specify that manufacturer's standard schematic drawings, catalogue sheets, diagrams schedules, performance charts, illustrations and other standard descriptive data will be accepted in lieu of shop drawings.

.2 Above will only be accepted if they conform to following:

.1 Delete information which is not applicable to project.

.2 Supplement standard information to provide additional information applicable to project.

.3 Show dimensions and clearances required.

.4 Show performance characteristics and capacities.

.5 Show wiring diagrams (when requested) and controls.

1.7 COORDINATION OF SUBMISSIONS

.1 Review shop drawings, product data and samples prior to submission.

.2 Verify:

.1 Field measurements.
.2 Field construction criteria.
.3 Catalogue numbers and similar data.

.3 Co-ordinate each submission with requirement of work and Contract documents. Individual shop drawings will not be reviewed until all related drawings are available.

.4 Contractor's responsibility for errors and omissions in submission is not relieved by Architect's review of submittals.

.5 Contractor's responsibility for deviations in submission from requirements of Contract documents is not relieved by Architect's review of submission, unless Architect gives written acceptance of specified deviations.

.6 Notify Architect, in writing at time of submission, of deviations from requirements of Contract documents.

.7 After Architect's review, distribute copies.

1.8 SUBMISSION REQUIREMENTS

.1 Schedule submissions at least fourteen (14) days before dates that reviewed submissions will be required to be returned.

.2 Submit one reproducible transparency, plus six (6) opaque “white prints” of shop drawings, product data to Architect for review.

.3 Accompany submissions with transmittal letter, in duplicate, containing:

.1 Date.
.2 Project title and number.
.3 Contractor's name and address.
.4 Number of each shop drawing, product data and sample submitted.
.5 Other pertinent data.

.4 Submissions must include:

.1 Date and revision dates.
.2 Project title and number.
.3 Name of:
  .1 Contractor.
  .2 Subcontractor.
  .3 Supplier.

.4 Manufacturer.

.5 Separate detailer when pertinent.

.5 Identification of product or material:

.1 Relation to adjacent structure or materials.

.2 Field dimensions, clearly identified as such.

.3 Specification Section number.

.4 Applicable standards, such as CSA or CGSB numbers.

.5 Contractor's stamp, initialed or signed, certifying review of submission, verification of field measurements and compliance with Contract documents.

1.9 INTERFERENCE DRAWINGS

.1 Prepare interference drawings for all work in confined space: ceiling space. Coordinate with all trades. Submit as shop drawings in advance of fabrication or installation of components. Site conditions requiring corrections, due to failure to provide interference drawings as required will be corrected at no additional cost to the owner.

1.10 SHORING DESIGN DRAWINGS

.1 As part of the base bid price, the contractor shall provide in advance of any demolition work of or adjacent to any load-bearing building components, detailed Shoring design drawings bearing the seal of a Professional engineer registered in the Province of Ontario and also a Method Statement describing the work sequence and timing/duration of each stage.

.2 Submit to the Consultants as shop drawings in advance of the work. Discuss and update as required and at all regular job site meetings.

.3 Recognize that shoring design may be required for both dead and live load conditions adjacent to occupied areas. Shoring shall be designed to avoid interruptions in the use of the occupied areas.

.4 Costs for shoring and design as required above shall be included in the Tender price.

1.11 SHOP DRAWINGS BEARING THE SEAL OF A PROFESSIONAL ENGINEERS

.1 In addition to any the similar requirements for shop drawings of any mechanical or electrical systems, Shop Drawings for all structural components or components required to perform in conjunction with other structural or building envelope components, cladding and the like shall bear the seal of a professional engineer licensed in the Province of Ontario.

.2 In addition, all components to be attached to or suspended from the walls and ceiling areas shall also bear the seal of a professional engineer licensed in the Province of Ontario.

1.12 SUBMISSIONS TO INSPECTION AGENCIES

.1 Note that Millwork shop drawings are also to be submitted to AWMAC as part of the Guarantee Inspection program.

.2 Note that Paint formulations specified are also to be submitted to the OPCA with set up documentation upon award of Contract.

Part 2 Products

2.1 NOT USED

.1 Not Used.

Part 3 Execution

3.1 NOT USED

.1 Not Used.

END OF SECTION

Part 1 General

1.1 DESCRIPTION

.1 This Section outlines the mandatory minimum Health and Safety protocols for all renovation, addition and new school construction Projects where all or a portion of the existing school building remains occupied and in use.

.2 These Health and Safety protocols are mandatory minimum requirements, procedures and standards that the Peel District School Board insists are fully complied with by all parties involved with Peel District School Board Projects.

.3 **All aspects of this section apply for periods when the school is occupied and/or for all work that extends beyond September 1, 2025**.

1.2 RELATED SECTIONS

.1 These specifications apply to all Divisions of this Project specification. It is the responsibility of the Contractor to apply these provisions wherever practical within specification limits to all products and services used on this Project.

.2 The requirements of this Section supersede those of all other specification Sections and Drawings. Where conflicts exist in procedures, methods or materials, they shall immediately be brought to the attention of the Consultant and Board Project Manager. Where clarification is not immediately available, the Contractor shall assume the specifications contained in this Section are a minimum standard and the more stringent specification shall apply.

.3 The Contractor must receive approval from Board Project Manager for any deviations from this specification Section.

.4 The General Contractor shall recognize that it is *he* who is the Constructor of the Project. The General Contractor shall also recognize that he is solely responsible for site safety at the Place of the Work and compliance with the requirements of this Section does not limit or remove his total responsibility for site safety as Constructor of the Project.

1.3 REFERENCES

.1 Applicable related regulations, standards and laws related to safety include but are not limited to:

.1 Canada Labour Code, Part 2, Canada Occupational Safety and Health Regulations.

.2 Health Canada/Workplace Hazardous Materials Information System (WHMIS).

.1 Material Safety Data Sheets (MSDS).

.3 Province of Ontario

1. Occupational Health and Safety Act and Regulations for Construction Projects, R.S.O. [1990 June 2002].

1.4 COMPLIANCE SPECIFICATION

.1 Notwithstanding the requirements of this Section, the Contractor must comply with all applicable health, safety and environmental regulations and statutes.

1.5 BEYOND COMPLIANCE SPECIFICATION

.1 These specifications apply in addition to all applicable health, safety and environmental compliance regulations. They are incorporated here to reflect the Board's intention to develop a specification which provides the safest practical procedures and policies for construction project sites that are occupied and in use by staff, students and visitors during the execution of the Construction Contract.

.2 Beyond compliance specifications recognize that performance well beyond the minimum regulatory standard is often desirable, possible and affordable, often with no cost or low cost options. It also recognizes that application methods or protocols may be as important as the material specified. Therefore, these specifications cover both material and methods.

.3 These provisions apply to both indoor and outdoor applications equally.

Part 2 Products

2.1 NOT USED

Part 3 Execution and Compliance Requirements

3.1 APPLICATION OF COMPLIANCE REQUIREMENTS

.1 The articles setout herein are to be applied together as a set of related policies and procedures to achieve a comprehensive Health and Safety working protocol.

.2 The Contractor shall execute all of the procedures and meet all of the requirements set out herein and apply these protocols from the outset of the Construction Phase.

.3 These procedures or requirements are to be maintained for the duration of the Construction Phase. The Contractor shall not discontinue any of the individual procedures or requirements without the prior approval of the Board Project Manager.

3.2 SITE SUPERVISOR (SITE SUPERINTENDENT)

.1 A full-time Site Supervisor (Site Superintendent) is required on site, regardless of the number of active workers on site.

.2 Site Superintendent shall have as a minimum:

.1 Recent, previous experience with renovation or addition projects involving occupied buildings including (but not limited to) school construction, sites with students, tenants, employees, retail customers, pedestrian and vehicular traffic.

.2 Successful completion of a multi-session Supervisor's training course conducted by a recognised Construction Association in Ontario.

.3 Site Superintendent must carry a cell phone at all times during construction with the ability to be reached directly during all work hours and the ability to have voicemail recorded during all non-work hours including weekends and holidays.

.4 Site Superintendent must have means of live phone or walkie-talkie communication with the site Flagman during all work hours.

.5 Site Superintendent shall not be changed throughout project unless confirmed and approved by the Board Project Manager.

3.3 ONTARIO OCCUPATIONAL HEALTH & SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS

.1 General Contractor to comply with the Ontario Occupational Health & Safety Act and Regulations for Construction Projects, latest edition– including all amendments.

.2 Beyond compliance in item .1 above, regardless of the number of labourers active on the Project, the General Contractor shall form a contractors' Health & Safety Committee at the outset of construction. This Committee shall then follow the standard requirements for such a Committee as set out in the *Occupational Health & Safety Act and Regulations for Construction Projects.*

3.4 ON-SITE COMMUNICATIONS

.1 At the outset of the project the General Contractor shall provide to the Board Project Manager all relevant contact information for the Site Superintendent, GC Project Manager and key sub-contractors including names and cell phone numbers.

.2 The General Contractor shall provide at least one "emergency contact" telephone number at which the Contractor's representative can be reached directly during all work hours and have the ability to have voicemail recorded during all non-work hours including weekends and holidays. As outlined below, this may be designated to the Site Superintendent's cell phone number.

.3 Regardless of compliance method for the emergency contact telephone number stated above, the Site Superintendent must carry a cell phone at all times during construction with the ability to be reached directly during all work hours and the ability to have voicemail recorded during all non-work hours including weekends and holidays.

.4 Site Superintendent must have means of live phone or walkie-talkie communication with the site Flagman during all work hours.

.5 The Contractor is to ensure that the Board Project Manager is immediately apprised of any safety issues as each arises and the related request and/or resolution. The Board Project Manager is responsible for any decisions that have an effect on the contract execution.

.6 Notwithstanding the reporting to the Project Manager noted above the Site Superintendent shall liaise with school principal or designate on all safety related matters as required on a daily basis.

.7 In the event of a safety issue requiring contractual clarification or action (i.e. Change Notice, etc.), the contractor shall ensure that, where applicable, the action is followed up with appropriate documentation.

3.5 FULL-TIME ON-SITE FLAGMEN

.1 A full-time, designated Flagman is required at all vehicular construction entrances.

.2 In the event there is more than one entrance to the hoarded/fenced construction area, there must be a separate Flagman for each entrance.

.3 Flagman may not be same person as Site Superintendent or other construction worker.

.4 Flagman shall not be changed throughout the Project unless confirmed and approved by the Board Project Manager.

.5 Flagman must have means of phone communication with Site Superintendent (phone or walkie-talkie).

.6 The Flagman shall not be designated for any other duties than to act as a Flagman for safety purposes as described herein.

.7 The Flagman shall meet and escort any construction traffic from the site **entrance** into and out of the hoarded/fenced construction area (including through open site areas until entrances to hoarding.

.8 The Flagman shall only open hoarded areas when construction traffic moves through and immediately re-close gates.

.9 The Flagman shall control construction parking at the school site (including vehicles parking or traveling in unauthorized areas).

.10 The location of the Flagman shall be set to ensure the safe guarding of staff, student, and pedestrian traffic.

.11 If not designated on the Contract Documents, the location of the Flagman shall be confirmed with the Board Project Manager and Consultant at the outset of the project and before the placement of hoarding and fencing.

.12 Where the Contractor deems it necessary, in order for the Flagman to carry out the required full-time duties, the cost of a temporary shelter shall be included in the Tender Price.

.13 The Flagman shall be properly attired to carry out his duties, including the use of safety equipment (e.g. wear reflective vest, have appropriate traffic hand-held "Stop" sign and have a visible identification tag).

3.6 SITE SAFETY SIGNAGE

.1 Standardised Safety Signage is required at all construction entrances.

.2 If not designated on the Contract Documents, the location of the Safety Signage shall be confirmed with the Board Project Manager and Consultant at the outset of the Project and before the placement of hoarding and fencing.

.3 Safety Signage is to be posted at all street entrances to school site and at each entrance to hoarded/fenced construction area.

.4 Total surface area of signage is to avoid exceeding municipal standards that would require a separate signage permit.

.5 Access signage text shall include cell phone contact number for Site Superintendent.

.6 Signage posted at gates shall state restrictions on hours of entry and egress as described in the Contract Documents and under no circumstances shall construction traffic be allowed within 30 minutes prior to school start, during recess, lunch break, and 30 minutes after dismissal periods.

3.7 ACCESS/EGRESS CONTROLS

.1 At the outset of the Contract, the General Contractor shall advise all suppliers and subcontractors of the protocols listed herein and of the requirement to contact the Site Superintendent by Cell phone prior to entering the site.

.2 The drivers of all construction vehicles entering the site, including delivery vehicle drivers, are to contact site Superintendent by cell phone prior to entering site; the Site Superintendent shall, in turn, give notice to the Flagman to be aware of the traffic and authorize the Flagman to allow entry of that vehicle.

.3 Vehicular Gates are only for entry and exit of for construction purposes such as construction personnel, Authorities performing inspections, Board representative, delivery personnel, and disposal pickup and ONLY under escort by the Flagman. As such vehicular gates must remain closed and locked at all times and only opened for access/egress under escort by the Flagman, then closed and locked again.

.4 Gates are to be lockable swing gates for vehicles and man gates at all access points to the hoarded/fenced construction area.

3.8 CONTRACTOR PARKING

.1 Contractor parking shall be restricted to hoarded areas or designated parking areas only where pre-approved by Board Project Manager and Principal.

.2 Contractor parking is restricted from all off-site street areas that interfere with site specific parent drop-off and parking areas.

3.9 REQUIRED PRE-CONSTRUCTION MEETINGS

.1 Meeting 1: Contractor shall receive approval from the Architect and the Board Project Manager for parking, vehicular movement, access/egress strategies at a Pre-construction meeting taking place in advance of mobilizing on site.

.2 Meeting 2: Once hoarding and fencing is erected BEFORE site construction is fully active and vehicles or equipment is mobilized on site, an initial site meeting shall take place at which time the layout of trailers and staging, deliveries, storage of materials, parking areas and vehicular movement to be reviewed and approved by the Board Project Manager.

.3 See article *3.12- 'Site Meetings'* following.

3.10 CONSTRUCTION FENCING AND HOARDING

.1 Construction hoarding requirements shall be a site based decision to be determined by the Architect and the Board Project Manager at the design stage and shown on Contract Documents.

.2 No fencing or hoarding shall be less than a continuous 1800 mm high.

.3 In portions of the site where chain link is approved, it shall be continuous 1800 mm high chain link fencing, wire-tied to staked iron 'tees' at 1800 mm on centre - OR - leased, modular 'quick fencing' if staked down and wire tied together.

.4 All fenced and hoarded areas to be gated with lockable vehicular and man gates-minimum construction to be steel rail and chain link construction.

.5 Plastic snow fencing is NOT permitted.

.6 All hoarding and fencing shall be maintained in a stable condition, for duration of construction period as part of the base contract price and to include Superintendent's inspection at the beginning and end of each work day.

.7 All Fire Routes to be outside all fenced and hoarded areas and maintained clear at all times.

.8 'Covered way' protection shall be provided when accesses or pathways are in proximity to construction, in accordance with Ministry of Labour *Occupational Health & Safety Act* Regulations.

3.11 PEEL DISTRICT SCHOOL BOARD HEALTH, WELLNESS & SAFETY DEPARTMENT REPRESENTATIVE

.1 A representative of the Board's Health, Wellness & Safety Dept. ('Environment, Health and Safety Officer') may visit site at any anytime throughout the duration of the Contract to review the site, as it relates to the safety of the occupied areas of the site. Such site review shall neither constitute an inspection or approval for the Contractor.

.2 Concerns or issues identified by the representative from the Board's Health, Wellness & Safety Dept. shall be communicated through the Board Project Manager and the school Principal for corrective action.

.3 Contractor shall ensure full access to all site areas, at all times, for the Board's Health, Wellness & Safety Department Representative.

3.12 SITE MEETINGS

.1 Coordinate the requirements of this Section with *Section 01 22 00 – 'Meetings and Progress Reports'*.

.2 Initial site meeting to take place after erecting fencing and hoarding but prior to the mobilisation of any vehicles, equipment or start of Work.

.3 Contractor shall ensure that the Board Project Manager, School Principal and a representative of the Board's Health, Wellness & Safety Department and the School Principal attend the initial site meeting.

.4 The initial meeting shall review and approve a standardised agenda for all site meetings and a thorough review of the Site Safety Protocol.

.5 The standardised agenda shall include a Checklist and Report of Health and Safety items at the beginning of the agenda. This Checklist shall be included and each item reviewed at all site meetings for the duration of the project.

.6 The Checklist of Site Safety items shall include but not be limited to:

.1 Contractor's report of site safety record and report of recent site activities, precautions or actions.

.2 Review any visits to the site and actions required by Ministry of Labour or Board Health, Wellness & Safety representatives or other Authorities Having Jurisdiction.

.3 Contractor's Health & Safety policy manual posted in site trailer.

.4 Copy of Ministry of Labour *Occupational Health & Safety Act and Regulations for Construction Projects* in site trailer.

.5 Name of General Contractor H&S representative.

.6 Continuing compliance with Safety Signage.

.7 Hoarding & fencing layout and condition.

.8 Access and egress measures and any breaches of requirements.

.9 Confirmation of communications link between Site Superintendent & Flagman.

.10 Work that may produce any noxious odours and the containment measures, (*i.e.*: schedule, type, approvals required therefore).

.11 Copies of Material Safety Data sheets in site trailer.

.12 Complete meeting minutes including details of Safety Checklist shall be copied to Architect, Board Project Manager and Principal.

.7 Contractor to produce record of written Memorandum to all subtrades and suppliers detailing but not limited to: hours of delivery; site access procedures and restrictions; use of existing facilities.

.8 Contractor to prepare detailed and accurate written record of all meetings to be kept and issued to all parties.

3.13 CONTRACTOR'S HEALTH AND SAFETY COMMITTEE MEETINGS

.1 As required in item 3.1.2, the Contractor shall form a Health and Safety Committee, hold meetings and record minutes of meetings for the duration of the Contract.

.2 Contractor to maintain a copy of Health & Safety Committee minutes on site for review by Ministry of Labour or Board representative(s).

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

.1 Health and safety considerations required to ensure that the Owner shows due diligence towards health and safety on construction sites. While the following articles do not fully detail all of the Owner's Health and Safety policies, the Contractor shall follow these guidelines for all Board construction projects as a minimum.

1.2 RELATED SECTIONS

.1 These specifications apply to all divisions of this project specification. It is the responsibility of the Contractor to apply these provisions wherever practical within specification limits to all products and services used on this project.

.2 Recognized that currently specified materials and methods may conflict with the basic intention of this section. Where reasonable alternate materials and methods exist that are not specified here, and that do not compromise quality or create additional cost for the Owner, notify the Consultant of such alternate materials or methods. Do not proceed to use alternate materials or methods to those specified without the express approval of the Consultant.

.3 Elsewhere, apply the provisions of this section to all work. Exceptions can only be made when signed off by the Consultant. Suitability of all products used is the responsibility of the Contractor.

1.3 REFERENCES

.1 Canada Labour Code, Part 2, Canada Occupational Safety and Health Regulations.

.2 Health Canada/Workplace Hazardous Materials Information System (WHMIS).

.1 Material Safety Data Sheets (MSDS).

.3 Province of Ontario

.1 Occupational Health and Safety Act and Regulations for Construction Projects, R.S.O. 1990 June 2002.

1.4 COMPLIANCE SPECIFICATION

.1 The Contractor must comply with all applicable health, safety and environmental regulations.

1.5 BEYOND COMPLIANCE SPECIFICATION

.1 These specifications apply in addition to all applicable health, safety and environmental compliance regulations. They are incorporated here to reflect the Owner's intention to develop a specification which maximizes environmentally "friendly" materials and methods wherever possible within current technical and budget limitations.

.2 Beyond compliance specifications recognize that performance well beyond the minimum regulatory standard is often desirable, possible and affordable, often with no cost or low cost options. It also recognizes that application methods or protocols may be as important as the material specified. Therefore these specifications cover both material and methods.

.3 The primary goal of beyond compliance specification is to reduce the use of products or methods which have negative health and environmental impacts both during and after construction. These considerations may include full life cycle impacts, associated with raw materials, manufacturing, transport, deconstruction and their eventual fate.

.4 These specifications will specifically address primary categories of readily identifiable products, ingredients and methods.

.5 These provisions apply to both indoor and outdoor applications equally.

1.6 HAZARDOUS MATERIALS

.1 The Ontario Health and Safety Act requires the Board to provide a list of Designated Substances to all prospective contractors and they in turn must supply the list to their sub-trades who are likely to handle or disturb the material. The Peel District School Board has arranged for the removal of readily identifiable hazardous materials that would impact on Construction, in particular, Asbestos-containing building materials (designated substance) and PCB-containing electrical equipment (non-designated substance) prior to the work of this project.

.2 Other materials that may be present in the area of construction may include any or all of the following and would be expected in normal construction:

.1 Lead found in paint films, in solder or pipe for drinking water, in solder for other pipe or electrical components;

.2 Mercury found in elemental form in an ampoule in thermostats or in electrical soft switches, as a gas in fluorescent light tubes or in paint films and caulk; and

.3 Silica as primarily Quarts bound in building materials including but not limited to concrete, brick and block.

.4 Also note avoidance of other products noted below.

.5 In accordance with the Ontario Health and Safety Act and regulations enacted under the Act the Contractor and sub-trades shall take appropriate precautions for the building and their work force.

1.7 EXCEPTIONS

.1 These specifications recognize that not all substitutes are equal and therefore exceptions can be made based on substantive evidence of necessary and superior performance. Special considerations may be given to restricted substances when secondary provisions are made such as sealed in place (contained) applications. All such exceptions must be approved in writing by the Consultant.

1.8 PRODUCTS OR SUBSTANCES TO BE AVOIDED OR LIMITED IN USE

.1 No product containing the following substances may be used on this project when an equivalent product without or with a lower concentration of this substance is suitable and

available. All products containing substances which are known to cause health effects including but not limited to cancer, mutagenic, neurological, or behavioral effects should be avoided if suitable substitutes not containing or containing lower concentrations are available. This provision shall be limited to information contained on Material Safety Data Sheets, therefore MSDS sheets must be reviewed for all products for which such sheets are required. Applications for exceptions must be accompanied by related MSDS and product application and performance sheets, clearly showing a need for the exception.

1.9 VOLATILE ORGANIC COMPOUNDS

.1 No product containing volatile organic compounds (in over simplified terms volatile petro chemical or similar plant derived solvents) may be used on this project when a suitable non VOC or failing that a low VOC substitute is available. Manufacturers may refer to the U.S. EPA definition of VOC's for guidance or alternatively use the low molecular weight organic compound descriptor.

.1 Example: Paints, Coatings, Primer, Adhesives, Chalks, Firestops, etc.

.2 Waterborne equivalents are available for most of the solvent borne products used in construction and in most cases would be the preferred alternative. Waterborne products may in some instances have high VOC contents; therefore the fact that a product is waterborne does not automatically make it acceptable.

1.10 CHLORINATED SUBSTANCES

.1 Poly Vinyl Chloride (vinyl) and other chlorinated products should be avoided if suitable substitutes are available.

1.11 PLASTICIZERS

.1 Plasticizers which off-gas (low molecular weight) should be avoided.

1.12 MAN MADE MINERAL FIBRES

.1 Products containing mineral fibres which can be emitted or abraded should be avoided.

.1 Examples: duct liner, mineral fibre ceiling tiles, etc.

1.13 RADIATION

.1 Products or methods which result in the lowest emission of Electro Magnetic Fields are preferred.

1.14 BIOCIDES

.1 Products containing biocides (pesticides, miticides, mildeweides. fungicides, rodenticides, etc.) are not to be used if suitable alternatives are available. Highly stable, low human toxicity biocides such as Portercept may be acceptable substitutes. Biocide formulas which break down, emit powders of offgass should be avoided.

1.15 HEAVY METALS

.1 Heavy metals such as lead, cadmium, mercury etc. should be avoided.

1.16 ALUMINUM

.1 Raw aluminum should be avoided, anodized or factory painted aluminum is acceptable. This is particularly applicable to surfaces which people can touch.

1.17 OZONE DEPLETING SUBSTANCES

.1 Products which contain or which use Ozone Depleting Substances such as Bromide, Chlorofluorocarbons (CFC) or Hydrofluorocarbons (HFC) etc. should be avoided if suitable substitutes are available.

1.18 GREENHOUSE GASES

.1 Products which contain, use or generate Greenhouse gasses such as CO2 should be avoided if suitable substitutes are available.

1.19 BITUMINOUS (Tar) PRODUCTS

.1 Products containing tar compounds should not be used if suitable substitutes are available.

1.20 CHEMICAL COMPOUNDS

.1 Products containing the following chemical compounds should not be used if suitable substitutes are available: Neoprene, Latex, Butyl, ABS, and Formaldehyde.

1.21 ADHESIVES

.1 Adhesives containing solvents or other non preferred ingredients should be avoided if suitable substitutes are available, including systems designs which do not need adhesives or can use mechanical etc. fastening alternatives

1.22 COMPOSITE PRODUCTS

.1 Some composite products contain adhesives such as formaldehyde which are not preferred, and some composites such as Fibre Reinforced Plastics are not practical for recycling. These products should be avoided if suitable substitutes are available.

1.23 ASBESTOS

.1 Asbestos removal is NOT anticipated in the Contract.

.2 Should the Contractor encounter limited areas of asbestos (pipe joint insulation, etc.), the Contractor may be requested to engage an independent abatement company and testing and Inspection company to inspect the removal and make tests in the areas affected. If the contractor is requested to perform these duties, such costs will be reviewed in advance as possible additional work to the contract.

.3 Significant findings of unanticipated asbestos shall be considered and reviewed by the Owner and the Consultant. Costs for such removal, testing and Inspection will be paid by the owner, who may opt to pay from the Cash Allowance.

.4 Any abatement or removal of unanticipated asbestos shall be considered at the sole discretion and direction of the Owner, in consultation with the Consultant.

.5 For any areas of unforeseen asbestos, Comply with the requirements of Regulations respecting Asbestos on Construction Projects and in Buildings and Repair Operations - made under the Occupational Health and Safety Act, as amended.

.6 Comply with the requirements of the Peel Board of Education's Section 2 -Procedures General, Subsection 2.2.1-Asbestos Management Program.

1.24 POLYCHLORINATED BIPHENYL (PCB)

.1 Conform to the Environmental Protection Act and Regulations, Ontario Regulation 11/82 as amended.

1.25 LEAD

.1 Any operation involving lead-based paints may potentially produce significant exposures to lead if adequate controls are not provided. Exposure varies with the type of operation being employed.

.2 The presence of lead in building finishes left intact or found peeling in a few locations produces little exposure for workers to lead through contact, inhalation or ingestion.

.3 Operations involving the hand sanding and scrapping of lead based paints can elevate exposure through inhalation. The use of a negative pressure respirator equipped with high efficiency particulate air (HEPA) filters is recommended to reduce exposure.

.4 Operations involving the machine sanding or abrasive cutting of paint and other surface coatings containing lead can elevate levels of much finer dust. The spray application of a lead bearing paint or coating produces a respirable fume. These operations increase the likelihood of exposure by inhalation. A negative pressure air-purifying respirator equipped with HEPA filters is recommended for these operations.

.5 Operations involving oxyacetylene torches or other heating operations produces the most significant exposure to lead in particular through inhalation and by contact of lead fumes solidifying on skin. A powered air-purifying respirator equipped with HEPA filters and full body covering is recommended for these operations.

.6 The maintenance of the water pipe may produce some exposure to lead fume during the sweating on of lead solders but for a short duration of time. Inhalation is the source of entry and exposure is not very significant

.7 Lead found in solder of other pipe systems and electronic components poses no threat to the work force by inhalation, ingestion or by contact with the exception of maintenance or renovation activities. The maintenance of the pipe or electrical component may produce some exposure to lead fume during the sweating on of lead solders but for a short duration of time. Inhalation is the source of entry and exposure is not very significant.

.8 All items identified in this section may be disposed of as regular non-hazardous waste unless concentrated. Metallic lead may be reclaimed through scrap metal dealers

1.26 MERCURY

.1 Fluorescent light tubes contain small quantities of mercury gas. These sealed units do not pose any harm in the workplace except in the case of breakage. There are no liquid or residue present after breakage and spill cleaning is not a concern. A recommended practice is to evacuate the work area when breakage occurs. The gas will diffuse in about five to ten minutes and cleanup of the tubes can be performed. Mercury can be taken into the body by inhalation only from this source.

.2 The same precautions as those indicated for lead-based paints would apply to mercury in paints.

.3 Elemental mercury found in ampoules in electrical equipment may be disposed of as regular waste and should be turned over to the Board for disposal through commercial recyclers. The other forms (light tubes and painted surfaces that have not been concentrated) can be disposed of as regular waste.

1.27 SILICA

.1 Silica is presumed to be present in cement, cement blocks, bricks and mortar of the building. Unless the silica in these materials is reduced to respirable size (5 um or less) and the airborne concentration exceeds the time weighted average exposure of 0.2 milligrams per cubic metre in air, no adverse health effects are expected to occur. Building construction, renovation or demolition do not normally raise excessive exposure to silica with the exception of jack hammering, dry saw cutting or sand blasting. There is little likelihood for the work force to be exposed to excessive levels of respirable silica dust if the material is suppressed with water spray or flow. Respiratory protection is dependent on the type and airborne concentration of respirable silica present in the particular work environment.

1.28 CLEANERS AND SOLVENTS

.1 Products, equipment, and methods which require the use of cleaners and solvents are not preferred if suitable substitutes are available. Examples of preferred products would include No Wax floors, or primerless caulks and adhesives, or products not requiring caulks and adhesives.

Part 2 Products

2.1 NOT USED

.1 Not used.

Part 3 Execution

3.1 NOT USED

.1 Not used.

END OF SECTION

Asbestos Room x Room Inventory Report

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date: 07-29-24
223	ALLAN A. MARTIN	Josip Bosnjak	Site	Site	00	Yes	

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	No	Interior Finish	Wall	0.5% Chrysotile	Masonry Wall Primer/ Sealant	N/A	Sq.ft.	Good	VS to 29948-3A-C	Ongoing Monitoring	All Building Occupants	No				Material identified in Science Room 111 but presumed to be present on masonry walls throughout the 1958 section of the building. This material is also presumed to be present in the 1969 section of the building until additional sampling confirms otherwise.

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Suspect	Yes	Interior Finish	Other	Suspected	Interior Door Core Insulation	N/A	Ea.	Unknown	N/A	Ongoing Monitoring	Inaccessible without Demolition	No				Remaining original fire doors should be inspected for asbestos prior to removal/disposal.
Yes	Yes	Plumbing System	Pipe Insulation	60% Chrysotile	Aircell Pipe Insulation	N/A	Lin.ft.	Unknown	VS to PSI-01a (RiskCheck, 2018)	Ongoing Monitoring	Inaccessible without Demolition					Aircell was observed in select areas throughout the building. This material may also be present in concealed areas such as behind solid walls or above solid ceilings.

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	Yes	Plumbing System	Pipe Insulation	30% Chrysotile	Pipe Fitting - Parging Cement Compound (Grey)	N/A	Ea.	Unknown	VS to PCE-01a (RiskCheck, 2018)	Ongoing Monitoring	Inaccessible without Demolition					Pipe fittings were observed in select areas throughout the building. This material may also be present in concealed areas such as behind solid walls or above solid ceilings.
Yes	No	Exterior Finish	Sealant	2.1% Chrysotile	Caulking (White)	N/A	Lin.ft.	Good	AAM-AS12 (WSP, 2021)	Ongoing Monitoring	All Building Occupants	No				Observed around the Transite panel soffits above exterior door #2.
Yes	No	Exterior Finish	Sealant	0.82% Chrysotile	Door & Step Caulking (Dark Grey)	N/A	Lin.ft.	Good	AAM-AS9 (WSP, 2021)	Ongoing Monitoring	All Building Occupants	No				Observed around the concrete step at the base of exterior door #4, and as door caulking around exterior doors.

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	No	Exterior Finish	Sealant	0.78% Chrysotile	Caulking (White)	N/A	Lin.ft.	Good	AAM-AS8 (WSP, 2021)	Ongoing Monitoring	All Building Occupants	No				Observed around exterior pipe penetrations.
Yes	No	Exterior Finish	Sealant	1.1% Chrysotile	Expansion Joint Caulking (White & Grey)	N/A	Lin.ft.	Good	AAM-AS7 (WSP, 2021)	Ongoing Monitoring	All Building Occupants	No				Observed on the brick on the corners of the building. May be present underneath existing exterior window caulking.
Yes	No	Exterior Finish	Soffit/Fascia	12% Chrysotile	Transite Panel	1	Sq.ft.	Fair	AAM-AS11 (WSP, 2021)	Ongoing Monitoring	Maintenance Staff without Ladder	No				Recommended to repair following Type 1 asbestos precautions in accordance with O.Reg. 278/05.
Yes	No	Exterior Finish	Soffit/Fascia	12% Chrysotile	Transite Panel	4500	Sq.ft.	Good	AAM-AS11 (WSP, 2021)	Ongoing Monitoring	Maintenance Staff without Ladder	No				Stone finished fascia/soffit boards at windows and doors.

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date: 07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	W/R	1ST FLOOR	100E	No	

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
No	No	Interior Finish	Floor	Chrysotile - ABATED	Mastic (Black)	20 - ABATED	Sq.ft.	Good	VS to VFT-03a-B (RiskCheck, 2018)	ABATED	All Building Occupants	No				HMWN sent on 2/28/2023. Furcon Environmental completed the Type 2 abatement of ACM mastic and associated VFTs from 3/9/2023-3/10/2023.

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	STOR	1ST FLOOR	100F	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	No	Interior Finish	Floor	10% Chrysotile	VFT - 9" x 9" Dark Beige with Black and White Streaks	100	Sq.ft.	Good	VS to VFT-07a-A (RiskCheck, 2018)	Ongoing Monitoring	All Building Occupants	No				
Yes	No	Interior Finish	Floor	5% Chrysotile	Mastic (Black)	100	Sq.ft.	Unknown	VS to VFT-07a-B (RiskCheck, 2018)	Ongoing Monitoring	Inaccessible without Demolition	No				

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	W W/R	1ST FLOOR	104A	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	No	Interior Finish	Floor	3% Chrysotile	VFT - 12" x 12" White with Black Streaks	200	Sq.ft.	Good	VS to VFT-01a-A (RiskCheck, 2018)	Ongoing Monitoring	All Building Occupants	No				

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-29-24
223	ALLAN A. MARTIN	Josip Bosnjak	SCIENCE	1ST FLOOR	111	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	No	Interior Finish	Wall	0.5% Chrysotile	Masonry Wall Primer/ Sealant	N/A	Sq.ft.	Good	29948-3A-C (OHE, 2024)	Ongoing Monitoring	All Building Occupants	No				

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	PREP	1ST FLOOR	111A	No		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
No	No	Interior Finish	Floor	10% Chrysotile - ABATED	VFT - 9" x 9" Dark Beige with Black and White Streaks	160 - ABATED	Sq.ft.	ABATED	VFT-07a-A (RiskCheck, 2018)	ABATED	All Building Occupants	No				Material observed to be abated.
No	No	Interior Finish	Floor	5% Chrysotile - ABATED	Mastic (Black)	160 - ABATED	Sq.ft.	ABATED	VFT-07a-B (RiskCheck, 2018)	ABATED	All Building Occupants	No				Material observed to be abated.

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date: 07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	PHYSICAL EDUCATION	1ST FLOOR	112	Yes	

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	No	Interior Finish	Floor	10% Chrysotile	VFT - 9" x 9" Green with White Streaks	100	Sq.ft.	Good	VFT-05a-A (RiskCheck, 2018)	Ongoing Monitoring	All Building Occupants	No				
Yes	No	Interior Finish	Floor	5% Chrysotile	Mastic (Black)	100	Sq.ft.	Good	VFT-05a-B (RiskCheck, 2018)	Ongoing Monitoring	All Building Occupants	No				
No	Yes	Plumbing System	Pipe Insulation	30% Chrysotile - ABATED	Pipe Fitting - Parging Cement Compound (Grey)	9 - ABATED	Each	ABATED	Visually similar to Previous RiskCheck Sample PCE-01a	ABATED	Maintenance Staff With Ladder	No				HMWN sent on 7/7/2022. Material abated on 7/7/2022.
No	Yes	Plumbing System	Pipe Insulation	60% Chrysotile - ABATED	Aircell Pipe Insulation	20 - ABATED	Lin.ft.	ABATED	VS to PSI-01a (RiskCheck, 2018)	ABATED	Maintenance Staff with Ladder	No				HMWN sent on 7/7/2022. Material abated on 7/7/2022.

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	STOR	1ST FLOOR	113	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	Yes	Plumbing System	Pipe Insulation	30% Chrysotile	Pipe Fitting - Parging Cement Compound (Grey)	16	Ea.	Good	VS to PCE-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				
Yes	Yes	Plumbing System	Pipe Insulation	60% Chrysotile	Aircell Pipe Insulation	8	Lin.ft.	Good	VS to PSI-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	B CH RM	1ST FLOOR	114	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
No	Yes	Plumbing System	Pipe Insulation	30% Chrysotile - ABATED	Pipe Fitting - Parging Cement Compound (Grey)	12 - ABATED	Each	ABATED	VS to PCE-01a (RiskCheck, 2018)	ABATED	Maintenance Staff with Ladder	No				HMWN sent on 7/7/2022. Material abated on 7/7/2022.
Yes	No	Interior Finish	Floor	3% Chrysotile	VFT - 12" x 12" White with Black Streaks	250	Sq.ft.	Good	VS to VFT-01a-A (RiskCheck, 2018)	Ongoing Monitoring	All Building Occupants	No				
No	Yes	Plumbing System	Pipe Insulation	60% Chrysotile - ABATED	Aircell Pipe Insulation	15 - ABATED	Lin.ft.	ABATED	VS to PSI-01a (RiskCheck, 2018)	ABATED	Maintenance Staff with Ladder	No				HMWN sent on 7/7/2022. Material abated 7/7/2022.

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date: 07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	W/R	1ST FLOOR	115	Yes	

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	No	Interior Finish	Floor	3% Chrysotile	VFT - 12" x 12" White with Black Streaks	50	Sq.ft.	Good	VS to VFT-01a-A (RiskCheck, 2018)	Ongoing Monitoring	All Building Occupants	No				
Yes	Yes	Plumbing System	Pipe Insulation	30% Chrysotile	Pipe Fitting - Parging Cement Compound (Grey)	14	Ea.	Good	VS to PCE-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date: 07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	GEN PURPOSE RM	1ST FLOOR	117	No	

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
No	No	Interior Finish	Floor	3% Chrysotile - ABATED	VFT - 12" x 12" White with Black Streaks	2400 - ABATED	Sq.ft.	ABATED	VS to VFT-01a-A (RiskCheck, 2018)	ABATED	All Building Occupants	No				Work Notification sent on December 2, 2021. WSP oversaw Type 2 of VFT and associated mastic between Dec. 11-15, 2021, and issued Site Visit Report 01 in Jan. 2022.

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
No	No	Interior Finish	Floor	Chrysotile - ABATED	Mastic (Black)	2400 - ABATED	Sq.ft.	ABATED	17293-30A (OHE)	ABATED	All Building Occupants	No				Work Notification sent on December 2, 2021. WSP oversaw Type 2 of VFT and associated mastic between Dec. 11-15, 2021, and issued Site Visit Report 01 in Jan. 2022.

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date: 07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	GYM STOR	1ST FLOOR	118	Yes	

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	No	Interior Finish	Floor	3% Chrysotile	Mastic (Black)	400	Sq.ft.	Unknown	VFT-04a-B (RiskCheck, 2018)	Ongoing Monitoring	Inaccessible without Demolition	No				
No	Yes	Plumbing System	Pipe Insulation	30% Chrysotile - ABATED	Pipe Fitting - Parging Cement Compound (Grey)	18 - ABATED	Ea.	ABATED	VS to PCE-01a (RiskCheck, 2018)	ABATED	Maintenance Staff with Ladder	No				HMWN sent on 5/11/2022. Material abated from 5/11/2022 - 5/12/2022. OHE Issued report.

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date: 07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	KITCHEN/SERVERY	1ST FLOOR	119	Yes	

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	Yes	Plumbing System	Pipe Insulation	60% Chrysotile	Aircell Pipe Insulation	75	Lin.ft.	Unknown	PSI-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				Not visually identified during 2020 and 2023 survey. Presumed to be present in visually inaccessible areas.
Yes	Yes	Plumbing System	Pipe Insulation	30% Chrysotile	Pipe Fitting - Parging Cement Compound (Grey)	10	Ea.	Good	VS to PCE-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				Above double doors.

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	CAFETERIA	1ST FLOOR	122	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	No	Interior Finish	Floor	3% Chrysotile	Mastic (Black)	900	Sq.ft.	Unknown	VS to VFT-02a-A (RiskCheck, 2018)	Ongoing Monitoring	Inaccessible without Demolition	No				

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	CUST	1ST FLOOR	124	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	No	Interior Finish	Floor	3% Chrysotile	Mastic (Black)	288	Sq.ft.	Good	VFT-03a-B (RiskCheck, 2018)	Ongoing Monitoring	All Building Occupants	No				
Yes	No	Interior Finish	Floor	3% Chrysotile	VFT - 12" x 12" Grey with White and Brown Streaks	288	Sq.ft.	Good	VFT-03a-A (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff without Ladder	No				

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date: 07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	M W/R	1ST FLOOR	125	Yes	

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	Yes	Plumbing System	Pipe Insulation	30% Chrysotile	Pipe Fitting - Parging Cement Compound (Grey)	2	Ea.	Unknown	VS to PCE-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	Yes				Not visually identified during 2020 and 2023 survey. Presumed to be present in visually inaccessible areas. Room was labelled as All-Gender Washroom at the time of the 2023 survey.

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	CAFETERIA	1ST FLOOR	127	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	No	Interior Finish	Floor	3% Chrysotile	Mastic (Black/Yellow)	2500	Sq.ft.	Good	VFT-02a-B (RiskCheck, 2018)	Ongoing Monitoring	All Building Occupants	No				

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	G CH RM	1ST FLOOR	128	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	No	Interior Finish	Floor	3% Chrysotile	VFT - 12" x 12" White with Black Streaks	300	Sq.ft.	Good	VFT-01a-A (RiskCheck, 2018)	Ongoing Monitoring	All Building Occupants	No				

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	STOR	1ST FLOOR	135A	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	Yes	Plumbing System	Pipe Insulation	30% Chrysotile	Pipe Fitting - Parging Cement Compound (Grey)	15	Ea.	Good	VS to PCE-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	PRT RM	1ST FLOOR	135C	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	Yes	Plumbing System	Pipe Insulation	30% Chrysotile	Pipe Fitting - Parging Cement Compound (Grey)	2	Ea.	Good	VS to PCE-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				
Yes	Yes	Plumbing System	Pipe Insulation	60% Chrysotile	Aircell Pipe Insulation	36	Lin.ft.	Good	VS to PSI-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date: 07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	CUST	1ST FLOOR	135D	Yes	

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	Yes	Plumbing System	Pipe Insulation	30% Chrysotile	Pipe Fitting - Parging Cement Compound (Grey)	4	Ea.	Good	VS to PCE-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				
Yes	Yes	Plumbing System	Pipe Insulation	60% Chrysotile	Aircell Pipe Insulation	51	Lin.ft.	Good	VS to PSI-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				
Yes	Yes	Plumbing System	Pipe Insulation	60% Chrysotile	Aircell Pipe Insulation	1	Lin.ft.	Fair	VS to PSI-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				Recommended to monitor and if further deterioration occurs, repair or remove following Type 2 Glove Bag asbestos precautions in accordance with O.Reg. 278/05.

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	THE PIT WOOD SHOP	1ST FLOOR	137	No		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
No	Yes	Plumbing System	Pipe Insulation	60% Chrysotile - ABATED	Aircell Pipe Insulation	68 - ABATED	Lin.ft.	ABATED	VS to PSI-01a (RiskCheck, 2018)	ABATED	All Building Occupants	No				HMWN sent on 7/7/2022. Material abated 7/7/2022.
No	Yes	Plumbing System	Pipe Insulation	30% Chrysotile - ABATED	Pipe Fitting - Parging Cement Compound (Grey)	29 - ABATED	Ea.	ABATED	VS to PCE-01a (RiskCheck, 2018)	ABATED	All Building Occupants	No				HMWN sent on 7/7/2022. Material abated 7/7/2022.

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	AV ST	1ST FLOOR	137A	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	Yes	Plumbing System	Pipe Insulation	60% Chrysotile	Aircell Pipe Insulation	33	Lin.ft.	Good	VS to PSI-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	Yes	Plumbing System	Pipe Insulation	60% Chrysotile	Aircell Pipe Insulation	3	Lin.ft.	Fair	VS to PSI-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				Recommended to monitor and if further deterioration occurs, repair or remove following Type 2 Glove Bag asbestos precautions in accordance with O.Reg. 278/05.

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	WD S	1ST FLOOR	137B	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	Yes	Plumbing System	Pipe Insulation	60% Chrysotile	Aircell Pipe Insulation	12	Lin.ft.	Good	VS to PSI-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				
Yes	Yes	Plumbing System	Pipe Insulation	30% Chrysotile	Pipe Fitting - Parging Cement Compound (Grey)	1	Ea.	Good	VS to PCE-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	PNT	1ST FLOOR	137C	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	Yes	Plumbing System	Pipe Insulation	60% Chrysotile	Aircell Pipe Insulation	36	Lin.ft.	Good	VS to PSI-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				
Yes	Yes	Plumbing System	Pipe Insulation	30% Chrysotile	Pipe Fitting - Parging Cement Compound (Grey)	4	Ea.	Good	VS to PCE-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	ELEC	1ST FLOOR	139	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Suspect	Yes	Interior Finish	Other	Suspected	Interior Door Core Insulation	1	Ea.	Good	N/A	Ongoing Monitoring	Maintenance Staff without Ladder	No				
Yes	Yes	Plumbing System	Pipe Insulation	30% Chrysotile	Pipe Fitting - Parging Cement Compound (Grey)	4	Ea.	Good	PCE-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	MUSIC RM	1ST FLOOR	141	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	Yes	Plumbing System	Pipe Insulation	30% Chrysotile	Pipe Fitting - Parging Cement Compound (Grey)	1	Ea.	Good	VS to PCE-01a (RiskCheck, 2018)	Ongoing Monitoring	Maintenance Staff with Ladder	No				

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	FAN RM	1ST FLOOR	188	No		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
No	Yes	Plumbing System	Pipe Insulation	60% Chrysotile - ABATED	Pipe Fitting - Parging Cement Compound (Grey)	3 - ABATED	Each	ABATED	27357-1A (OHE, 2022)	ABATED	Maintenance Staff with Ladder	No				HMWN sent on 5/11/2022. Material abated from 5/11/2022 - 5/12/2022. OHE Issued report.

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date:	07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	MECH	2ND FLOOR	217	Yes		

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Suspect	Yes	Mechanical System	Other	Suspected	Ductwork Vibration Damper	2	Ea.	Good	N/A	Ongoing Monitoring	Maintenance Staff with Ladder	No				

No Notes: No Notes

Building #	Building Name	Assessor	Room Name	Floor	Room #	Asbestos Present	Assessment Date: 07-30-23
223	ALLAN A. MARTIN	Sadiqa Hifsa	Roof	Roof	99	Yes	

Has ACM	Friable	Structural Element	Application	Type	Material	Qty	Unit	Condition	Sample Run	Action	Access	Debris	Comments 1	Comments 2	Comments 3	Comments 4
Yes	No	Exterior Finish	Sealant	2.0% Chrysotile	Vent Caulking (White/Grey)	N/A	Lin.ft.	Poor	AAM-AS18 (WSP, 2021)	Repair/Abate	Maintenance Staff with Ladder	No				Material to be abated following Outdoor Type 1 abatement procedures as per O. Reg. 278/05.

No Notes: No Notes

Part 1 General

1.1 FIRES

.1 Fires and burning of rubbish on site not permitted.

1.2 DISPOSAL OF WASTES

.1 Do not bury rubbish and waste materials on site.

.2 Do not dispose of waste or volatile materials, such as mineral spirits, oil or paint thinner into waterways, storm or sanitary sewers.

1.3 DRAINAGE

.1 Provide temporary drainage and pumping as necessary to keep excavations and site free from water.

.2 Do not pump water containing suspended materials into waterways, sewer or drainage systems.

.3 Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with local authority requirements.

1.4 SITE CLEARING AND PLANT PROTECTION

.1 Protect trees and plants on site and adjacent properties where indicated.

.2 Wrap in burlap, trees and shrubs adjacent to construction work, storage areas and trucking lanes, and encase with protective wood framework from grade level to height of [2] m.

.3 Protect roots of designated trees to dripline during excavation and site grading to prevent disturbance or damage. Avoid unnecessary traffic, dumping and storage of materials over root zones.

.4 Replace trees and shrubs designated on plans with identical species of same or larger caliper.

1.5 POLLUTION CONTROL

.1 Maintain temporary erosion and pollution control features installed under this contract and as requested by local Municipal and Regional Authorities.

.2 Install, maintain, restore, replace sediment control fence as required by Municipal and Regional authorities. The fence shall be in accordance with Municipal standards.

3. Install, maintain, restore, replace catch basin sediment protection at all existing on-site and street roadside catch basins in accordance with Municipal standards.

.3 Install, maintain, restore, replace catchbasin sediment barrier immediately after installation of new catch basins on the property in accordance with Municipal Standards.

.4 Install and maintain a mud mat at the construction access made consisting of clear stone as shown on drawings.

.5 Control emissions from equipment and plant to local authorities emission requirements.

.6 Prevent sandblasting and other extraneous materials from contaminating air beyond application area, by providing temporary enclosures.

.7 Cover or wet down dry materials and rubbish to prevent blowing dust and debris. Provide dust control for temporary roads.

Part 2 Products

2.1 NOT USED

.1 Not Used.

Part 3 Execution

3.1 NOT USED

.1 Not Used.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

.1 Inspection and testing, administrative and enforcement requirements.

.2 Tests and mix designs.

.3 Samples and Mock-ups.

.4 Mill tests.

.5 Equipment and system adjust and balance.

1.2 RELATED SECTIONS

.1 Section 13300 - Submittal Procedures.

.2 Section 017800 - Closeout Submittals.

.3 Section 011100 – Summary of Work

1.3 REFERENCES

.1 Stipulated Price Contract for Peel District School Board

1.4 INSPECTION

.1 General: Materials and workmanship shall be subject to inspection at any time. Cooperate in permitting access for inspection to all places where work is being done or stock is being stored.

.2 Owner's quality control inspection and testing is specified in the technical sections and will be paid from Cash Allowance except as otherwise specified. Pay for inspections and retesting to verify acceptability of corrected work.

.3 Allow Consultant access to Work. If part of Work is in preparation at locations other than Place of Work, allow access to such Work whenever it is in progress.

.4 Allow sufficient time for testing, evaluation, alterations and retesting so as not to interrupt the Progress Schedule for the Project.

.5 Give timely notice requesting inspection if Work is designated for special tests, inspections or approvals by Consultant instructions, or law of Place of Work.

.6 If Contractor covers or permits to be covered Work that has been designated for special tests, inspections or approvals before such is made, uncover such Work, have inspections or tests satisfactorily completed and make good such Work.

.7 The Consultant may require testing of connections and special prefabricated inserts, as part of the work of this Section.

1.5 ACCESS TO WORK

.1 Allow inspection/testing agencies access to Work, off site manufacturing and fabrication plants.

.2 Co-operate to provide reasonable facilities for such access.

1.6 PROCEDURES

.1 Notify appropriate agency Consultant in advance of requirement for tests, in order that attendance arrangements can be made.

.2 Submit samples and/or materials required for testing, as specifically requested in specifications. Submit with reasonable promptness and in an orderly sequence so as not to cause delay in Work.

.3 Provide labour and facilities to obtain and handle samples and materials on site. Provide sufficient space to store and cure test samples.

1.7 REJECTED WORK

.1 Remove defective Work, whether result of poor workmanship, use of defective products or damage and whether incorporated in Work or not, which has been rejected by Consultant as failing to conform to Contract Documents. Replace or re-execute in accordance with Contract Documents.

.2 Make good other Contractor's work damaged by such removals or replacements promptly.

1.8 TESTS AND MIX DESIGNS

.1 Furnish test results and mix designs as may be requested.

.2 The cost of tests and mix designs beyond those called for in Contract Documents or beyond those required by law of Place of Work shall be appraised by Consultant and may be authorized as recoverable.

.3 Allow sufficient time for testing, evaluation, alterations and retesting so as not to interrupt the Progress Schedule for the Project.

.4 The Consultant may require testing of connections and special prefabricated inserts, as part of the work of this Section.

1.9 SAMPLES AND MOCK-UPS

.1 Prepare samples and mock-ups for Work specifically requested in specifications. Include for Work of all Sections required to provide mock-ups.

.2 Construct in all locations as specified in specific specification Sections or as acceptable to the Consultant.

.3 Prepare mock-ups for Consultant's review with reasonable promptness and in an orderly sequence, so as not to cause any delay in Work.

.4 Failure to prepare mock-ups in ample time is not considered sufficient reason for an extension of Contract Time and no claim for extension by reason of such default will be allowed.

.5 If requested, Consultant will assist in preparing a schedule fixing dates for preparation.

.6 Unless through prior approval of the Consultant to incorporate an acceptable mock-up into the work, remove mock-up at conclusion of Work or when acceptable to Consultant.

1.10 MILL TESTS

.1 Submit mill test certificates as required of specification Sections.

1.11 EQUIPMENT AND SYSTEMS

.1 Submit adjustment and balancing reports for mechanical, electrical and building equipment systems.

.2 Refer to Mechanical and Electrical Sections for definitive requirements.

1.12 SEALANTS

.1 Sealants used for the various building envelope assemblies shall be selected from those specified in the respective assembly Section, and shall be coordinated with the sealant being provided under other building envelope Sections. Preferably, one sealant by the same manufacturer shall be used throughout. If different sealants are selected, from those specified, it is the responsibility of the respective Section to ensure compatibility between selected sealant, substrates, and sealants of other Sections which come in contact with the selected sealant.

Part 2 Products

2.1 NOT USED

.1 Not Used.

Part 3 Execution

3.1 NOT USED

.1 Not Used.

END OF SECTION

Part 1 General

1.1 RELATED SECTIONS

.1 Section 015200 - Construction Facilities.

.2 Section 015600 - Temporary Barriers and Enclosures.

.3 Section 011100 - Summary of Work

1.2 INSTALLATION AND REMOVAL

.1 Provide temporary utilities controls in order to execute work expeditiously.

.2 Remove from site all such work after use.

1.3 DEWATERING

.1 Provide temporary drainage and pumping facilities to keep excavations and site free from standing water.

1.4 WATER SUPPLY

.1 Water will be made available from the existing building services

1.5 TEMPORARY HEATING AND VENTILATION

.1 As applicable to the work period, pay for cost of temporary heat and ventilation used during construction, including costs of installation, fuel, operation, maintenance and removal of equipment. Use of direct-fired heaters discharging waste products into work areas will not be permitted unless prior approvals given by the Owner.

.2 Furnish and install temporary heat and ventilation in enclosed areas, as required to:

- .1 Facilitate progress of work.
- .2 Protect work and products against dampness and cold.
- .3 Prevent moisture condensation on surfaces.
- .4 Provide ambient temperatures and humidity for storage, installation, curing of materials.
- .5 Provide adequate ventilation to meet health regulations for safe working environment.

.3 Maintain minimum temperature of 10 degrees C or higher where specified as soon as finishing work is commenced and maintained until acceptance of structure by Engineer.

.4 Ventilating:

- .1 Prevent hazardous accumulations of dust, fumes, mists, vapours or gases in areas occupied during construction.
- .2 Provide local exhaust ventilation to prevent harmful accumulation of hazardous substances into atmosphere of occupied areas.

.3 Dispose of exhaust materials in manner that will not result inharmful exposure to persons.

.4 Ventilate storage spaces containing hazardous or volatile materials.

.5 Ventilate temporary sanitary facilities.

.6 Continue operation of ventilation and exhaust system for time after cessation of work process to assure removal of harmful elements.

.5 Maintain strict supervision of operation of temporary heating and ventilating equipment to:

.1 Conform with applicable codes and standards.

.2 Enforce safe practices.

.3 Prevent abuse of services.

.4 Prevent damage to finishes.

.5 Vent direct -fired combustion units to outside.

.6 The Board may permit the use of a permanent system providing agreement can be reached on:

.1 Conditions of use, special equipment, protection and maintenance.

.2 Guarantees will not be affected.

.3 Approval of the Owner.

7. Refer to Section 011100, article 1.51-'Periodic Cleaning' for replacement of filters at time of final acceptance of work.

1.6 TEMPORARY COMMUNICATION FACILITIES

.1 Provide the Site Superintendent with the use of a dedicated mobile cellular for contact at all times during the contract period.

.2 In addition, provide and pay for temporary telephone/fax hook up, lines and equipment necessary for own use and use of Consultant. Fax and Telephone are to be separate lines.

1.7 FIRE PROTECTION

.1 Provide and maintain temporary fire protection equipment during performance of Work required by insurance companies having jurisdiction and all governing codes, regulations and bylaws.

.2 Burning rubbish and construction waste materials is not permitted on site.

1.8 DRAINAGE

.1 Refer to Section 013543 for site drainage and pumping requirements.

1.9 POWER

.1 Arrange, pay for and maintain temporary electrical power supply in accordance with governing regulations and ordinances.

.2 Install temporary facilities for power such as pole lines and underground cables to approval of local power supply authority.

.3 Existing electrical power and lighting systems and new electrical power and lighting systems installed under this Contract may be used for construction requirements with prior approval of Owner, provided that guarantees are not affected. Make good damage. Replace lamps which have been used over period of three (2) months.

.4 Basic temporary power is available from the school services. Temporary power may be routed from existing services, subject to after hours installation, access and provided no damage to existing facilities. Coordinate locations on site with consultants. Construction power shall be on independent circuits and connected at the expense of the Contractor. Power fluctuations in the school caused by construction shall not be tolerated. If this is not feasible, arrange, for and maintain separate, temporary electrical power supply in accordance with governing regulations and ordinances.

Part 2 Products

2.1 NOT USED

.1 Not Used.

Part 3 Execution

3.1 NOT USED

.1 Not Used.

END OF SECTION

Part 1 General

1.1 RELATED SECTIONS

.1 Section 015100 - Temporary Utilities.

.2 Section 015600 - Temporary Barriers and Enclosures.

.3 Section 011100 - Summary of Work

1.2 REFERENCES

.1 Stipulated Price Contract for Peel District School Board.

.2 Canadian General Standards Board (CGSB)

.1 CGSB 1-GP-189M-84, Primer, Alkyd, Wood, Exterior.

.2 CGSB 1.59-97, Alkyd Exterior Gloss Enamel.

.3 Canadian Standards Association (CSA International)

.1 CAN3-A23.1-/A23.2-94, Concrete Materials and Methods for Concrete Construction/Method of Test for Concrete.

.2 CSA-0121-M1978, Douglas Fir Plywood.

.3 CAN/CSA-Z321-96, Signs and Symbols for the Occupational Environment.

1.3 INSTALLATION AND REMOVAL

.1 Provide construction facilities in order to execute work expeditiously.

.2 Remove from site all such work after use.

1.4 SCAFFOLDING

.1 All necessary scaffolding shall be provided and constructed according to all by-laws and safety regulations. It shall be removed promptly and completely when no longer required.

.2 As required by Ministry or Labour, design of scaffolding or hoarding shall be by a Professional Engineer.

1.5 ACCESS

.1 Provide and maintain adequate access to project site. Refer to Section 011100 Summary of Work and drawings for locations of access points and routes to be maintained.

.2 The General Contractor for this Work shall, at all times allow the Consultants, the Board, or any other Board commissioned contractor or their employees, access into the building or around the premises, undisturbed, whether union or non-union, as may be required in the execution of other portions of the building work and installation of equipment, etc.

.3 The General Contractor shall cooperate fully with any and all Board commissioned Contractors.

1.6 HOISTING

.1 Provide, operate and maintain hoists [cranes] required for moving of workers, materials and equipment. Make financial arrangements with Subcontractors for use thereof.

.2 Hoists or cranes shall be operated by qualified operator.

1.7 SITE STORAGE/LOADING

.1 Provide adequate weather tight sheds with raised floors, for storage of materials, tools and equipment which are subject to damage by weather.

1.8 CONSTRUCTION PARKING

.1 Refer to drawings for locations of contractor parking. While school is occupied, contractors shall be restricted to particular areas to be designated by the Board Project Manager after contract award or at such time these are required. At all times maintain full-time clear aisle access to all fire-routes. Arrange gates and fencing accordingly.

.2 Only on weekends and holidays and at times other than the regular school year, the existing parking lot is available for contractor's use. Ensure no damage to pavement or curbs.

1.9 OFFICES

.1 Due to space constraints in the existing school, make provide in the base contract amount, for an exterior site office trailer in a location to be determined by the Board Project Manager after contract award. Refer to drawings for location.

.2 Provide office heated or cooled to 22 degrees C, lighted 750 Lx and ventilated, of sufficient size to accommodate site meetings and furnished with drawing lay down table, telephone, and facsimile machine. Pay telephone not acceptable.

.3 Maintain in clean condition.

.4 Provide and maintain in clean condition: two separate plans layout tables, minimum 1200 x 1800 each. One table shall be used by the General Contractor and subcontractors at their discretion. The second shall be provided for use by subcontractors and by the consultant or Inspection and Testing Companies during site visits or project meetings.

.5 Subject to Board approval after contract award but prior to mobilization, the Board and school staff may, at their discretion, allow the contractor to utilize a room in or adjacent to the work area, provided it will not affect the area or sequence of work. Maintain in clean condition. In such case the contractor will be requested to credit price for the cost of a site trailer for the applicable duration not required.

1.10 EQUIPMENT, TOOL AND MATERIALS STORAGE

.1 Provide and maintain, in a clean and orderly condition, lockable weatherproof sheds for storage of tools, equipment and materials.

.2 Locate materials not required to be stored in weatherproof sheds on site in a manner to cause least interference with work activities.

1.11 SANITARY FACILITIES

.1 Provide sanitary facilities for the work force external to the occupied building and within the hoarded area.

.2 Before the school year, at the discretion of the owner, an existing washroom in the school may be designated available for contractors' use. Use of existing washroom is subject to contractors maintaining facilities in clean and undamaged condition. Failure to comply will mean contractor shall provide other sanitary facilities outside the school.

.3 Provide sanitary facilities for work force in accordance with governing regulations and ordinances.

.4 Post notices and take such precautions, as required, by local health authorities. Keep area and premises in sanitary condition.

1.12 JOBSITE SIGN

.1 Job identification sign not required.

.2 If so directed by Consultants, install and maintain consultant-provided professional identification signage or project signage at the site in location to be designated on site at no additional cost to the contract price. Return signage to consultants in undamaged condition at the end of the project.

Part 2 Products

2.1 NOT USED

.1 Not Used.

Part 3 Execution

3.1 NOT USED

.1 Not Used.

END OF SECTION

Part 1 General

1.1 RELATED SECTIONS

.1 Section 011100 – Summary of Work, articles 1.8 and 1.9

.2 Section 015100 - Temporary Facilities.

.3 Section 015200 - Construction Facilities.

1.2 REFERENCES

.1 Canadian General Standards Board (CGSB)

.1 CGSB 1.189M- [84], Primer, Alkyd, Wood, Exterior.

.2 CGSB 1.59- [97], Alkyd Exterior Gloss Enamel.

.2 Canadian Standards Association (CSA International)

.1 CSA-O121- [M1978], Douglas Fir Plywood.

1.3 INSTALLATION AND REMOVAL

.1 Provide temporary controls in order to execute Work expeditiously.

.2 Remove from site all such work after use.

1.4 HOARDING, CONSTRUCTION FENCING AND COVERED WAY PROTECTION

.1 Construct and maintain all hoarding and covered way protection at the outset of construction for the work area affected. Assign and maintain in clean condition the contractor compounds within these areas.

.2 Refer also to drawings and *Section 011100 - Summary of Work, article 1.8* for a description of required hoarding, fencing and covered way, as applicable

1.5 SITE ENCLOSURES

.1 Full site enclosure not applicable to this project.

1.6 WEATHER ENCLOSURES

.1 Provide temporary weathertight enclosures protection for exterior openings until permanently enclosed.

.2 Erect enclosures to allow access for installation of materials and working inside enclosure.

.3 Design enclosures to withstand wind pressure.

.4 Close off floor areas where walls are not finished; seal off other openings; enclose building interior work for temporary heat.

1.7 DUST TIGHT SCREENS

.1 Provide dust tight screens or [insulated] partitions to localize dust generating activities, and for protection of workers, finished areas of Work and public.

.2 Maintain and relocate protection until such work is complete.

1.8 ACCESS TO SITE

.1 Provide and maintain access roads, sidewalk crossings, ramps and construction runways as may be required for access to Work.

1.9 PUBLIC TRAFFIC FLOW

.1 Provide and maintain competent signal flag operators, traffic signals, barricades and flares, lights, or lanterns as required to perform Work and protect the public.

1.10 FIRE ROUTES

.1 Maintain access to property including overhead clearances for use by emergency response vehicles.

1.11 PROTECTION FOR OFF-SITE AND PUBLIC PROPERTY

.1 Protect surrounding private and public property from damage during performance of Work.

.2 Be responsible for damage incurred.

1.12 PROTECTION OF BUILDING FINISHES

.1 Provide protection for finished and partially finished building finishes and equipment during performance of Work.

.2 Provide necessary screens, covers, and hoardings.

.3 Confirm with Consultant locations and installation schedule 3 days prior to installation.

.4 Be responsible for damage incurred due to lack of or improper protection.

1.13 TEMPORARY FENCING TO SODDED AREAS

.1 For areas to be re-instated and re-sodded following site service work near the elevator additions, supply and install temporary, leased 1800 high chain link fencing. Stake with iron “T’s” at minimum 2400 o.c. and maintain for a minimum of 6 weeks while sod is maintained as part of this contract and is deemed established. Sod shall be placed a **minimum** of 4 weeks prior to end of the growing season to allow for establishment of

sod prior to winter. Remove fencing at end of a 48 day (6 week minimum) ***growing*** period.

.2 Cost of fencing for this period to be included in Tender Price. If sod is placed later Contractor shall be responsible for the cost of fencing for a longer period for sod to become established, if required due to weather at no additional cost to the contract. This may include the entire winter period if sod becomes dormant prior to being established.

Part 2 Products

2.1 NOT USED

.1 Not Used.

Part 3 EXECUTION

3.1 NOT USED

.1 Not Used

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

.1 Requirements and limitations for cutting and patching the Work.

.2 The responsibilities of this section includes but is not limited to the following item(s), including all related labour and materials necessary to successfully complete the installation of same as detailed on the Drawings.

.3 The cutting, removal and disposal of existing masonry wall in locations of all new electrical panels and for all mechanical ducts passing through masonry walls or walls of any other construction.

.4 The patching of existing unit masonry or gypsum board walls in locations of all new electrical or mechanical units removed from masonry walls or walls of any other construction.

.5 The cutting, removal and patching of all penetrations required for mechanical and electrical services through existing floors and ceilings and new or existing walls.

.6 The removal of existing millwork and fixtures in the existing rooms as described on drawings.

.7 The removal of existing resilient flooring and adhesive in the rooms as described on drawings that have not previously been removed by an Abatement contract.

.8 The supply and installation of backfill materials and concrete slab on grade, as specified in other sections to infill slab areas where sub-slab equipment has been removed as part of the separate Abatement contract. Refer to Drawings.

.9 The supply and installation of a Portland cement based leveling skim slab to level floors and to provide an acceptable surface for the installation of new VCT tile to any rooms as described on drawings to receive new flooring. Contractor shall anticipate this requirement for the entirety of rooms in Area A.

.10 Where not previously removed by Abatement under separate contract, the removal and repair of existing VCT and porcelain tile floors and cove base repair at modified doorway and wall locations adjacent to corridors and the removal and repair of existing floor finishes cut for under slab services. Make good to match existing using identical colour materials. Refer to drawings for locations.

.11 The removal and repair of existing terrazzo corridor floors and terrazzo cove base at modified doorway and wall locations adjacent to corridors and the removal and repair of existing floor finishes cut for under slab services. Make good to match existing using identical colour materials. Refer to drawings for locations. This work shall only be completed by a member of the TTMAC.

.12 The removal, repair and reinstallation as required to make good existing acoustic unit ceilings or gypsum board ceilings and bulkheads where required to be removed or modified for new services.

.13 Removal and reinstallation and/or salvaging as indicated, of any existing chalkboards or tackboards, window coverings and other wall mounted fixtures.

.14 All other work not listed in other Sections, but detailed on the Drawings.

1.2 RELATED SECTIONS

.1 Section 011100 - Summary of Work.

.2 Section 02 41 15 – Selective Demolition

.3 Section 042113 - Brick Masonry

.4 Section 013300 - Submittal Procedures.

.5 Section 081114- Metal Doors and Frames

.6 Section 087115 – Finish Hardware

.7 Section 099122- Painting

.8 Section 092116- Gypsum Board Assemblies

.9 Section 095113- Acoustic Panel Ceilings

.10 Section 101125- Manufactured Specialties

.11 Mechanical and Electrical Sections.

.12 Individual product Sections: cutting and patching incidental to work of section. Advance notification to other sections required.

1.3 SUBMITTALS

.1 Submit written request in advance of cutting or alteration which affects:

- .1 Structural integrity of any element of Project.
- .2 Integrity of weather-exposed or moisture-resistant elements.
- .3 Efficiency, maintenance, or safety of any operational element.
- .4 Visual qualities of sight-exposed elements.
- .5 Work of Owner or separate contractor.

.2 Include in request:

- .1 Identification of Project.
- .2 Location and description of affected Work.
- .3 Statement on necessity for cutting or alteration.
- .4 Description of proposed Work, and products to be used.
- .5 Alternatives to cutting and patching.
- .6 Effect on Work of Owner or separate contractor.
- .7 Written permission of affected separate contractor.

.8 Date and time work will be executed.

1.4 MATERIALS

.1 Required for original installation.

.2 Change in Materials: Submit request for substitution in accordance with Section 01 33 00 - Submittal Procedures.

.3 Concrete lintel block, reinforcing steel and concrete fill for openings if required at new penetrations in walls or existing penetrations in walls where steel lintels or lintel blocks may be missing.

.4 Portland Cement based Concrete Patching Compound compatible with existing slab or other flooring to make good a smooth, suitable surface to accept the direct application of new VCT tile.

.5 Portland Cement based Concrete for new floor openings or floor leveling, or patching of floor openings.

.6 All other materials not listed in other Sections, but detailed on the Drawings.

1.5 EXECUTION

.1 The Trades requiring cuts, holes or sleeves for their work shall locate them.

.2 Do not cut, drill or sleeve load-bearing members without obtaining prior written approval from the Consultant for each condition.

.3 Cut holes carefully, leaving holes no longer than required, with clean, true and smooth edges.

.4 Fit items to the tolerances established by Industry practice for applicable type of work.

.5 Make patches undetectable in the finished work. All other work not listed in other Sections, but detailed on the Drawings, is to be done in a Professional manner and to the Industry Standard for the described work.

.6 Execute cutting, fitting, and patching [including excavation and fill,] to complete Work.

.7 Fit several parts together, to integrate with other Work.

.8 Uncover Work to install ill-timed Work.

.9 Remove and replace defective and non-conforming Work.

.10 Provide openings in non-structural elements of Work for penetrations of mechanical and electrical Work.

.11 Execute Work by methods to avoid damage to other Work, and which will provide proper surfaces to receive patching and finishing.

.12 Employ original installer to perform cutting and patching for weather-exposed and moisture-resistant elements, and sight-exposed surfaces.

.13 Cut rigid materials using masonry saw or core drill. Pneumatic or impact tools not allowed on masonry work without prior approval.

.14 Restore work with new products in accordance with requirements of Contract Documents.

.15 Fit Work airtight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.

.16 At penetration of fire rated wall, ceiling, or floor construction, completely seal voids with firestopping material, full thickness of the construction element.

.17 Refinish surfaces to match adjacent finishes: For continuous surfaces refinish to nearest intersection; for an assembly, refinish entire unit.

.18 Conceal pipes, ducts and wiring in floor, wall and ceiling construction of finished areas except where indicated otherwise.

Part 2 Products

2.1 NOT USED

.1 Not Used.

Part 3 Execution

3.1 NOT USED

.1 Not Used.

END OF SECTION

Part 1 General

1.1. RELATED SECTION

.1 Section 01 11 00 – General Instructions and Summary of Work.

1.2 REFERENCE STANDARDS

.1 Stipulated Price Contract for Peel District School Board

1.3 GENERAL CLEANINESS DURING CONSTRUCTION

.1 Refer also to Section 01 11 00, article -'Periodic Cleaning' and coordinate with this Section.

.2 Conduct cleaning and disposal operations to comply with local ordinances and anti-pollution laws.

.3 Store volatile wastes in covered metal containers, and remove from premises daily.

.4 Prevent accumulation of wastes which create hazardous conditions.

.5 Provide adequate ventilation during use of volatile or noxious substances.

.6 Use only cleaning materials recommended by manufacturer of surface to be cleaned, and as recommended by cleaning material manufacturer.

.7 Provide on-site dump containers for collection of waste materials, and rubbish.

.8 Remove waste materials, and rubbish from site.

.9 Vacuum clean interior building areas when ready to receive finish painting, and continue vacuum cleaning on an as-needed basis until building is ready for substantial completion or occupancy.

.10 Schedule cleaning operations so that resulting dust and other contaminants will not fall on wet, newly painted surfaces.

.11 Maintain project grounds, and public properties free from accumulations of waste materials and rubbish. Clean streets as often as required by the local authorities

1.4 FINAL CLEANING

.1 At completion of Work, remove waste materials, rubbish, tools, equipment, machinery, and surplus materials, and clean all surfaces exposed to view; leave project clean and ready for occupancy.

.2 Employ experienced workers, or professional cleaners, for final cleaning.

.3 Remove grease, dust, dirt, stains, labels, fingerprints, and other foreign materials from all sight-exposed interior and exterior finished surfaces; polish resilient and ceramic surfaces so designated to shine finish. Vacuum carpet.

.4 In preparation for Substantial Performance or Fitness for Occupancy status, whichever occurs first, conduct final inspection of interior and exterior surfaces exposed to view, and of concealed spaces.

.5 Clean and polish glass and mirrors.

.6 Clean all horizontal surfaces on fitments and fixtures prone to trapping constriction dust such as sills, millwork, chalkboard/tackboard frames, etc.

.7 Clean Millwork, inside and out, removing all cuttings from installation.