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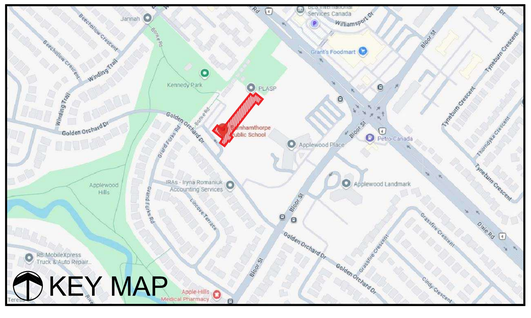



# BURNHAMTHORPE PUBLIC SCHOOL ELEVATOR & ACCESSIBLE WASHROOM RENOVATIONS

3465 GOLDEN ORCHARD DRIVE, MISSISSAUGA, ON L4Y 3H7

JUNE 2026

TENDER RFQMA26-5368

peel District School Board

BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

# DRAWING LIST

## ARCHITECTURAL DRAWINGS

SP1 SITE PLAN AND BUILDING STATISTICS
A01 KEY PLAN, SCHEDULES, FIRE SEPARATIONS, GENERAL NOTES AND OBC MATRIX
A02 PART GROUND FLOOR DEMOLITION FLOOR PLAN
A03 PART GROUND FLOOR PROPOSED FLOOR PLAN
A04 PART GROUND FLOOR DEMOLITION REFLECTIVE CEILING FLOOR PLAN
A05 PART GROUND FLOOR PROPOSED REFLECTIVE CEILING FLOOR PLAN
A06 PART SECOND FLOOR DEMOLITION FLOOR PLAN
A07 PART SECOND FLOOR PROPOSED FLOOR PLAN
A08 PART SECOND FLOOR DEMOLITION REFLECTIVE CEILING FLOOR PLAN
A09 PART SECOND FLOOR PROPOSED REFLECTIVE CEILING FLOOR PLAN
A10 DEMOLITION AND PROPOSED ROOF PLAN AND DETAILS
A11 BUILDING SECTIONS AND DETAILS
A12 ENLARGED WASHROOM FLOOR PLANS, INTERIOR ELEVATIONS AND FLOOR PATTERN PLANS

## STRUCTURAL DRAWINGS

S0.0 COVER PAGE
S1.0 FOUNDATION PLAN
S1.1 FOUNDATION PLAN
S2.0 FOUNDATION SECTIONS
S3.0 DEMOLITION PLANS
S3.1 PROPOSED PLANS
S4.0 TYP.DETAILS AND SECTIONS

## MECHANICAL DRAWINGS

M1 HAVC- PARTIAL PLANS- DEMOLITION
M2 HAVC- PARTIAL PLANS- NEW WORK
M3 HVAC- LEGENDS, DETAILS & SCHEDULES
PD1 PLUMBING AND DRAINAGE- PARTIAL PLANS- DEMOLITION
PD2 PLUMBING AND DRAINAGE- PARTIAL PLANS- NEW WORK
PD3 PLUMBING & DRAINAGE- DETAILS & LEGENDS

## ELECTRICAL DRAWINGS

E1 ELECTRICAL LEGEND OF SYMBOLS AND DETAILS
E2 ELECTRICAL OVERALL KEY PLAN
E3 ELECTRICAL PART OF GROUND AND SECOND FLOOR DEMOLITION LAYOUTS
E4 ELECTRICAL PART GROUND & SECOND FLOOR LIGHTING LAYOUTS
E5 ELECTRICAL PART GROUND & SECOND FLOOR POWER LAYOUTS
E6 ELECTRICAL PART GROUND & SECOND FLOOR FIRE ALARM AND SECURITY LAYOUTS
E7 ELECTRICAL RISER DIAGRAMS
E8 ELECTRICAL SPECIFICATIONS

SET No.

PROJECT NUMBER

26105

## PROPOSED SITE PLAN NOTES

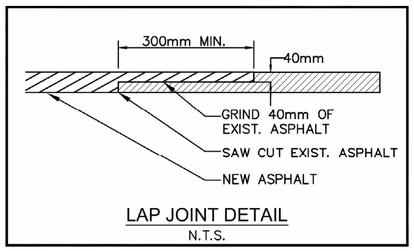
G.C. IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.

ALL REMOVALS/DEMOLITIONS TO BE COORDINATED WITH STRUCTURAL, MECHANICAL, ELECTRICAL DRAWINGS PRIOR TO DEMOLITION START. FOR ADDITIONAL DEMOLITION, DOCUMENTS AND DETAILS SEE STRUCTURAL, MECH, AND ELECT, DWGS.

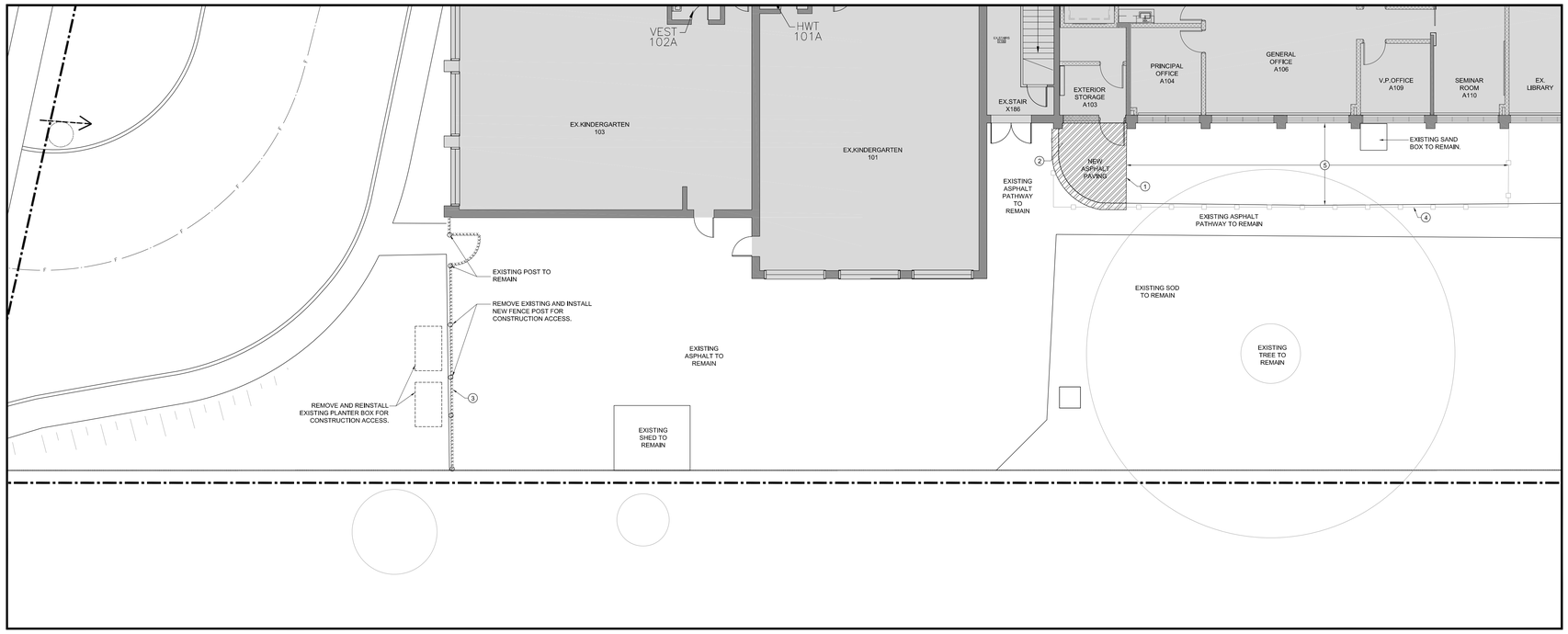
GENERAL CONTRACTOR TO **X-RAY ALL EXISTING CONCRETE FLOOR OR SITE** AND COMPLETE LOCATES WITHIN EXCAVATION/SITE RENOVATION WORKS AREA PRIOR TO DEMOLITION, IF EXISTING WIRES, CONDUIT, PIPING, SERVICES, ETC. CUT CONTRACTOR IS RESPONSIBLE TO RESTORE ALL, SEE SPEC.

AREA OF WORK TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION, ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS AS PER SPECIFICATION SECTION 017411.

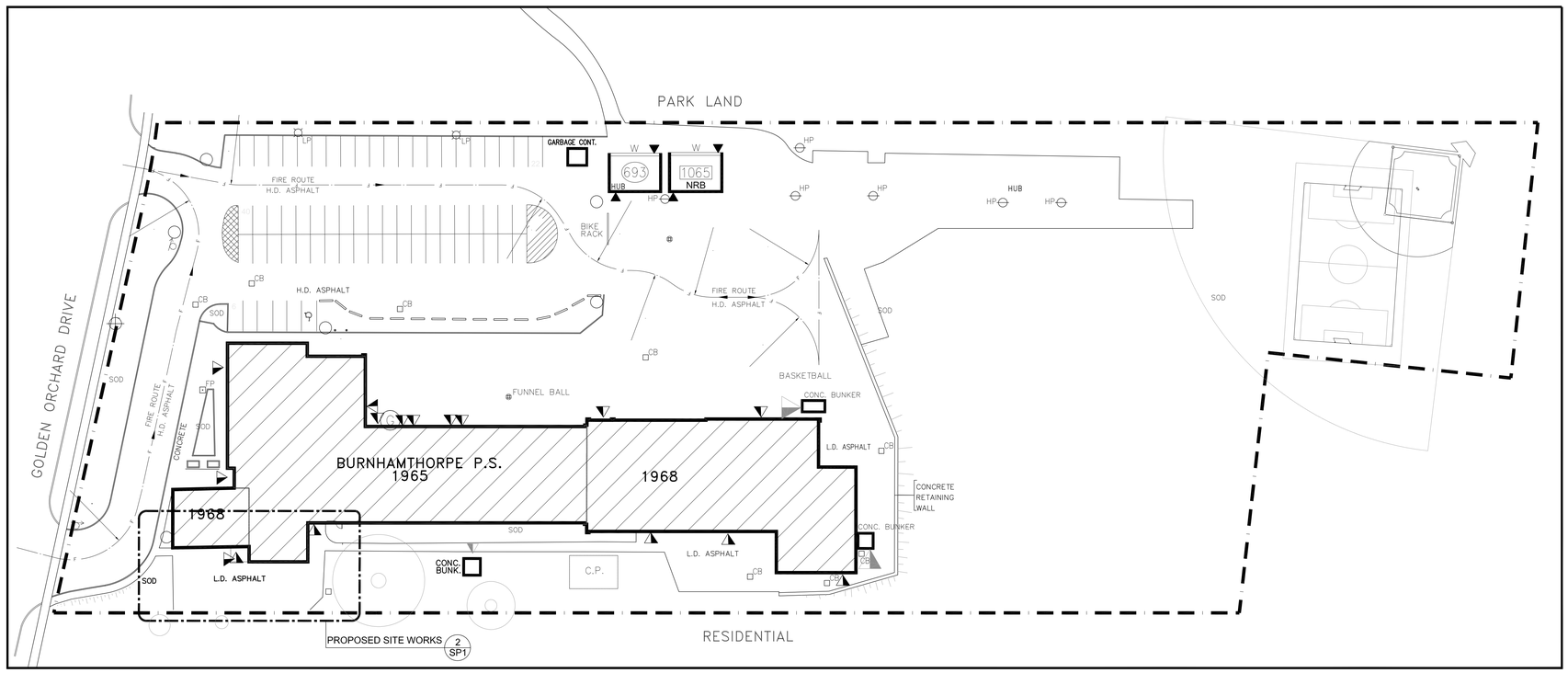
1. CONTRACTOR TO REMOVE EXISTING SOD AND SOIL FOR PROPOSED ASPHALT PAVING AND GRAVEL INSTALLATION. COORDINATE WITH EXISTING ASPHALT PAVING ELEVATIONS AND FINISHES ON SITE.
2. CONTRACTOR TO SUPPLY AND INSTALL NEW ASPHALT PAVING AS SHOWN, CONNECT TO EXISTING ASPHALT PER LAP JOINT DETAIL (3/SP1) AT ALL INTERFACES WITH EXISTING ASPHALT AND MAINTAIN TO MATCH WITH THE EXISTING SLOPE, REFER TO DETAIL AD 200
3. CONTRACTOR TO REMOVE AND INSTALL NEW FENCE, POSTS AND FOOTINGS FOR THE REQUIRED CONSTRUCTION ACCESS. GC TO COORDINATE ON SITE.
4. CONTRACTOR TO SUPPLY AND INSTALL EXTERIOR 1.8M CHAIN LINK FENCE HOARDING FOR TEMPORARY MATERIAL STORAGE.
5. CONTRACTOR TO SUPPLY AND INSTALL NEW TOPSOIL AND SOD THROUGHOUT THE ENTIRE HOARDING AREA, EXCLUDING AREAS WITH NEW ASPHALT, THE FINISHED SOD SURFACE SHALL BE LEVEL AND FLUSH WITH THE ADJACENT EXISTING GRADE. APPROXIMATELY *70* SQ.M




3 / SP1 ASPHALT LAP JOINT DETAIL
SCALE N.T.S.




2 / SP1 PARTIAL - PROPOSED SITE PLAN
SCALE 1:100




1 / SP1 OVERALL SITE PLAN
SCALE 1:400

PROJECT NORTH
TRUE NORTH

## FIRE SEPARATION LEGEND

- EX.1 HOUR FIRE SEPARATION
- EX. 2 HOUR FIRE WALL
- PROPOSED 1 HOUR FIRE WALL
- PROPOSED AREA OF WORK
- EXISTING ROOMS, NOT IN SCOPE OF WORK
- EXISTING WALLS TO REMAIN
- EX.FIRE ROUTE
- EXTERIOR TEMPORARY HOARDING
  1.8 M CHAIN LINK CONSTRUCTION FENCE
- EXISTING ENTRANCE

| NO | ISSUED | DATE |
|---|---|---|
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ONTARIO ASSOCIATION OF ARCHITECTS
TANEYTEBA LICENCE 7179
JUNE 5, 2026

BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

peel District School Board

SITE PLAN AND BUILDING STATISTICS

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

| | |
|---|---|
| SCALE | AS SHOWN |
| DATE | MARCH 2026 |
| DRAWN | GY |
| CHECKED | ST |
| PRINT DATE | MARCH 4, 2026 |
| CAD FILE | T:\26105\02 |
| PROJECT | 26105 |
| DRAWING | SP1 |

## TABLE A - FIRE RESISTANCE RATINGS FOR CONCRETE BLOCK PARTITIONS

(BASED ON SUPPLEMENT TO OBC 2024-TABLE 2.1.1)

| REQ. FIRE RESIST RATING | REQ. EQ.T. (mm) N.W.C. | REQ. EQ.T. (mm) L.W.C. | CONCRETE BLOCK OPTIONS | ACTUAL EQUIVALENT THICKNESS PROVIDED (mm) |
|---|---|---|---|---|
| 2 h | 113 | 102 | - 240mm, HOLLOW, NORMAL WEIGHT | 127 |
| | | | - 190mm, HOLLOW, LIGHT WEIGHT | 106 |
| | | | - 140mm, 75% SOLID, LIGHT WEIGHT | 112 |

| REQ. FIRE RESIST RATING | REQ. EQ.T. (mm) N.W.C. | REQ. EQ.T. (mm) L.W.C. | CONCRETE BLOCK OPTIONS | ACTUAL EQUIVALENT THICKNESS PROVIDED (mm) |
|---|---|---|---|---|
| 1 h | 73 | 66 | - 190mm, HOLLOW, NORMAL WEIGHT | 106 |
| | | | - 140mm, HOLLOW, NORMAL WEIGHT | 81 |
| | | | - 90mm, HOLLOW, LIGHT WEIGHT | 66 |
| | | | - 90mm, 75% SOLID, NORMAL WEIGHT | 74 |

## OBC MATRIX PART 11

| Item | | | OBC Ref. |
|---|---|---|---|
| 11.1 | Existing Building classification: | Describe Existing Use: PUBLIC SCHOOL<br>Construction Index: 7 - Combustible & Non Combustible Construction<br>Hazard Index: 6 - Large Building A2 occupancy<br>■ Not applicable (no change of major occupancy) | 11.2.1<br>T 11.2.1.1A<br>T 11.2.1.1B<br>to N |
| 11.2 | Alteration to Existing Building is: | Basic Renovation: ■ PROPOSED RENOVATION TO EXISTING SCHOOL<br>Extensive Renovation: □ | 11.3.3.1<br>11.3.3.2 |
| 11.3 | Reduction in Performance Level: | Structural: ■ No □ Yes<br>By Increase in occupant load: ■ No □ Yes<br>By change of major occupancy: ■ No □ Yes<br>Plumbing: ■ No □ Yes<br>Sewage-system: ■ No □ Yes | 11.4.2<br>11.4.2.1<br>11.4.2.2<br>11.4.2.3<br>11.4.2.4<br>11.4.2.5 |
| 11.4 | Compensating Construction: | Structural: ■ No □ Yes<br>Increase in occupant load: ■ No □ Yes<br>Change of major occupancy: ■ No □ Yes<br>Plumbing: ■ No □ Yes<br>Sewage System: ■ No □ Yes<br>NOTE: EX. FIRE ALARM SYSTEM WILL REMAIN AND NON-SPRINKLER BUILDING. | 11.4.3<br>11.4.3.2<br>11.4.3.3<br>11.4.3.4<br>11.4.3.5<br>11.4.3.6 |
| 11.5 | Compliance Alternatives Proposed: | ■ No (not required)<br>□ Yes (give number(s)) | 11.5.1 |
| 11.6 | Alternative Measures Proposed: | ■ No<br>□ Yes (explain) | 11.5.2 |

## CONSTRUCTION LEGEND

| | LABEL | DESCRIPTION | REQ.FRR/ SOURCE | NOTES |
|---|---|---|---|---|
| INTERIOR WALLS AND PARTITIONS | W1 | CONCRETE BLOCK PARTITION:<br>- SINGLE WYTHE CONCRETE BLOCK PARTITION (SEE FLOOR PLAN FOR THICKNESS)<br>- EXTEND TO UNDERSIDE OF DECK.. | FOR FIRE SEPERATN | |
| INTERIOR WALLS AND PARTITIONS | W2 | CONCRETE BLOCK PARTITION:<br>- SINGLE WYTHE CONCRETE BLOCK PARTITION (SEE FLOOR PLAN FOR THICKNESS)<br>- EXTEND TO UNDERSIDE OF DECK.. | FOR FIRE SEPERATN | |
| INTERIOR WALLS AND PARTITIONS | W3 | CONCRETE BLOCK PARTITION:<br>- SINGLE WYTHE CONCRETE BLOCK PARTITION (SEE FLOOR PLAN FOR THICKNESS)<br>- EXTEND TO UNDERSIDE OF DECK.. | SEE A01 FOR FIRE SEPERATN | |
| EXTERIOR WALL | W4 | EXTERIOR WALL (MATCH TO EXISTING WALL CONSTRUCTION):<br>CONC. BLOCK TO MATCH EX.THICKNESS<br>SELF ADHERING CONTINUOUS AIR/VAPOUR BARRIER SHEET.<br>150mm RIGID INSULATION, APP WITH EXISTING.<br>50mm AIR SPACE<br>90mm BRICK VENEER (EXISTING SALVAGED BRICK/ BRAMPTON BRICK CHATEAU BROWN, REFER TO PLAN) | | |
| INTERIOR STUD WALL | W5 | STEEL STUD WALL:<br>16mm GYPSUM BOARD<br>92 mm STEEL STUD, AND ACCOMADATE POCKET DOOR COORDINATE WITH POCKET DOOR MANUFACTURE.<br>EXISTING BLOCK WALL TO REMAIN | | |

| | LABEL | DESCRIPTION | REQ.FRR/ SOURCE | NOTES |
|---|---|---|---|---|
| FLOOR CONSTRUCTION | F1 | NEW CONCRETE SLAB ON GRADE<br>- FLOOR FINISH<br>- CONCRETE SLAB ,REFER STRUCT. DWGS TO FOR THICKNESS.<br>- COMPACTED GRANULAR FILL MATCH EXISTING THICKNESS (19mm CLEAR STONE)<br>- SEE ROOM FINISH SCHEDULE FOR FLOOR FINISH TYPES & EXTENTS. | | |
| ROOF CONSTRUCTION | R1 | - 4 PLY BUILT-UP ASPHALT ROOFING & GRAVEL<br>- 20mm OVERLAY BOARD, SEPARATION SHEET<br>- 2 LAYERS OF 65mm POLYISOCYANURATE INSULATION<br>- VAPOUR LAMINATED KRAFT PAPER/ VAPOUR BARRIER<br>- 6mm OVERLAY BOARD (THERMAL BARRIER)<br>- 38mm STEEL DECK<br>- OWSJ<br>SEE SPECS.. FOR DETAILS | | |

## CONSTRUCTION LEGEND NOTES

1. EXTEND ALL INTERIOR PARTITIONS TO UNDERSIDE OF DECK,UNLESS OTHERWISE NOTED. REFER TO FLOOR PLANS FOR LOCATION OF FIRE RATED PARTITIONS AND FIRE SEPARATIONS.
2. COMPLY FULLY WITH REQUIREMENTS LISTED UNDER THE SPECIFIC DESIGN No. IN THE U.L.C. LIST OF EQUIPMENT AND MATERIALS, VOLUME III, OR THE WARNOCK HERSHEY 1995 CERTIFICATION LISTINGS BOOK.
3. SEE TABLE A FOR FIRE RESISTANCE RATINGS OF CONCRETE BLOCK WALLS.
4. LOAD BEARING WALLS SHALL HAVE FIRE RESISTANCE RATING EQUAL TO SUPPORTED ASSEMBLY.

## ABBREVIATION LEGEND

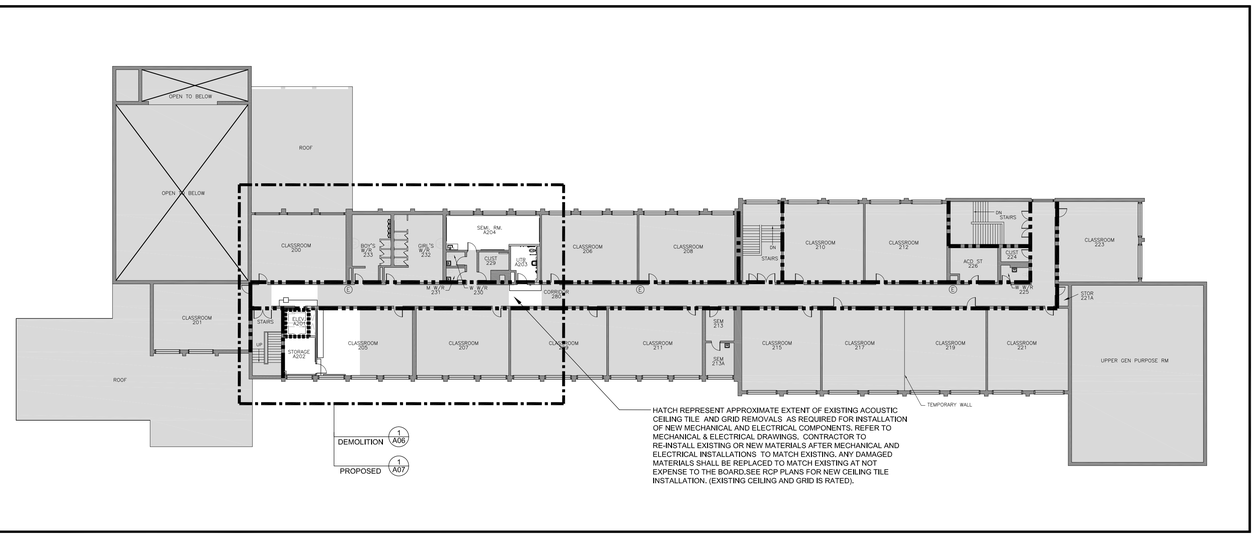
| | |
|---|---|
| A | ACTIVE LEAF |
| ACP | ALUMINUM COMPOSITE PANEL |
| AFF | ABOVE FINISHED FLOOR |
| ALUM | ALUMINUM |
| BB | LINEOLEUM BOARD |
| BD | BOARD |
| B/F | BARRIER FREE |
| BFP | BARRIER FREE PUSH BUTTON |
| BFPI | BARRIER FREE PUSH BUTTON ILLUMINATED |
| BFP-L | BARRIER FREE PUSH - LOCK |
| BH | BREAK-AWAY HOOK |
| BL | BARRIER FREE LOCKER |
| BV | BRICK VENT |
| CB | CHALKBOARD |
| CCP | CONCRETE COMPOSITE PANEL |
| CJ | CONTROL JOINT |
| CH | CABINET HEATER (RECESSED) |
| CHSR | CABINET HEATER (SEMI-RECESSED) |
| CHT | CHANGE TABLE STATION REFER TO SPEC |
| CONC. | CONCRETE |
| CONT | CONTINUOUS |
| CR+S | COAT RACK AND SHELF |
| CS | CONVENIENCE SHELF |
| C/W | COMPLETE WITH |
| CWT | CERAMIC WALL TILE |
| DF | DRINKING FOUNTAIN |
| DN | DOWN |
| DR | DIMMER RACK, REFER TO ELECT. DWGS. |
| DWGS. | DRAWINGS |
| D/W | DISHWASHER |
| EM | ELECTROMAGNETIC HOLD OPEN DEVICE |
| EP | ELECTRICAL PANEL. REF. ELEC. DWGS. |
| EPC | EMERGENCY PULL CORD |
| EQ. | EQUAL |
| EW | EYE WASH STATION |
| EX | EXISTING |
| FB | FIRE BLANKET |
| FE | FIRE EXTINGUISHER |
| FEC | FIRE EXTINGUISHER CABINET |
| FD | FLOOR DRAIN |
| FRGB | FIRE RATED GYPSUM BOARD |
| FSS | FOLDING SHOWER SEAT |
| Ga | GAUGE |
| GALV | GALVANIZED |
| GYP | GYPSUM BOARD |
| GB | GRAB BAR |
| GBL | GRAB BAR "L" SHAPE |
| GBF | GRAB BAR "FOLDING" |
| GM | GAS METER SHROUD |
| HD | HAND DRYER |
| HDs | HAND DRYER WITH |
| HFS | HORIZONTAL FIRESTOP |
| HORZ | HORIZONTAL |
| HSS | HOLLOW STRUCTURAL STEEL |
| HWT | HOT WATER TANK |
| JS | JANITORIAL SHELF |
| LF | LIGHT FIXTURE |
| M | MIRROR |
| ML | MIRROR LONG |
| MCP | MODULAR CONTROL PANEL |
| MR | METAL RACKING |
| MS | MOP SINK |
| MWC | MOTORIZED WINDOW COVERINGS |
| NIC | NOT IN CONTRACT |
| NFHB | NON FREEZE HOSE BIB, REF, DIV 15 |
| PAS | PUBLIC ANNOUNCEMENT SYSTEM (NIC) |
| PB | PROGRAM BELL |
| PTD | PAPER TOWEL DISPENSER |
| PTW | PAPER TOWEL + WASTE RECEPTACLE |
| RD | ROOF DRAIN |
| RF | REFRIGERATOR |
| RM | REMOVABLE HARDWARE MULLION |
| RWL | RAIN WATER LEADER |
| SD | SOAP DISPENSER |
| SFS | STRUCTURAL FROST SLAB |
| SN | SANITARY NAPKIN DISPOSAL |
| SND | SANITARY NAPKIN DISPENSER |
| SR+C | SHOWER ROD + CURTAIN |
| SWR | SEMI-RECESSED WASTE RECEPTACLE |
| TB | TACKBOARD |
| TD | TOILET PAPER DISPENSER |
| TP | TEMPERED GLASS (FIRE RATED) |
| TM | TILT MIRROR |
| VFS | VERTICAL FIRESTOP |
| WB | WHITEBOARD |
| WC | WINDOW COVERINGS REFER TO SPECS |
| W/D | WASHER/ DRYER NIC |
| WM | WIREMOLD |
| W/R | WASHROOM |

## HAZARDOUS MATERIALS

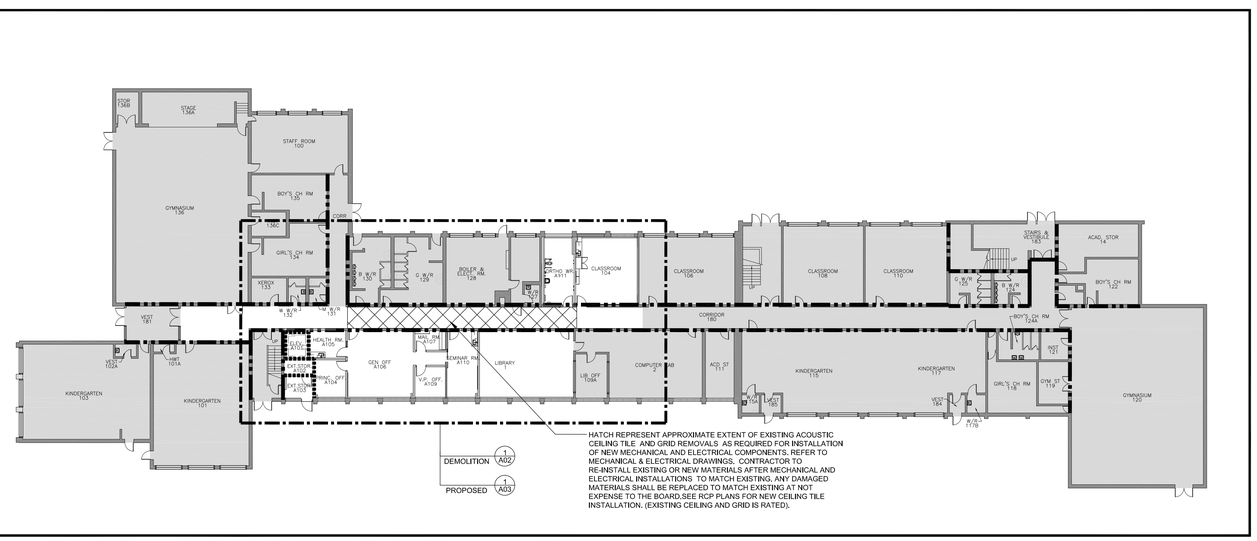
1. REFER TO SPECIFICATION FOR THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT PREPARED ON APRIL 2026, FOR RELEVANT RENOVATED AREA.
2. HANDLE KNOWN HAZARDOUS MATERIALS ACCORDING TO THE HAZARDOUS MATERIALS REMOVAL SPECIFICATION SECTION
3. DO NOT DISTURB SUSPECTED HAZARDOUS BUILDING MATERIALS DISCOVERED DURING THE PLANNED WORK, WHICH HAVE NOT BEEN IDENTIFIED IN THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT. IF FOUND, NOTIFY ARCHITECT AND SCHOOL BOARD IMMEDIATELY TO CONDUCT FURTHER TESTING
4. REMOVE AND DISPOSE OF ASBESTOS, MERCURY, LEAD AND SILICA CONTAINING MATERIALS IF DISTURBED BY THE PLANNED RENOVATION WORK
5. RECYCLE MERCURY-CONTAINING LIGHT TUBES AND THERMOSTATS WHEN REMOVED FROM SERVICE
6. FOLLOW APPROPRIATE SAFE WORK PROCEDURES WHEN HANDLING OR DISTURBING SILICA AND LEAD.
7. THE FOLLOWING LIST OF MATERIALS ARE PRESUMED TO CONTAIN ASBESTOS UNTIL OTHERWISE PROVEN TO NOT BY SAMPLING AND ANALYSIS;
   a. FLOOR LEVELING COMPOUND
   b. CERAMIC TILE SETTING COMPOUND
   c. ELECTRICAL COMPONENTS
   d. VERMICULITE IN WALL AND CEILING CAVITIES
   e. FIBRE-REINFORCED PAINTS AND COATINGS
   f. VIBRATION DAMPERS ON HVAC EQUIPMENT
   g. MATERIALS CONCEALED OR OUTSIDE THE ASSESSED AREA
8. THE FOLLOWING LIST OF MATERIALS ARE PRESUMED TO CONTAIN LEAD UNTIL OTHERWISE PROVEN TO NOT BY SAMPLING AND ANALYSIS;
   a. ELECTRICAL COMPONENTS
   b. SOLDER ON PIPE CONNECTIONS
   c. GLAZING ON CERAMIC TILES
9. THE FOLLOWING LIST OF MATERIALS ARE PRESUMED TO CONTAIN SILICA UNTIL OTHERWISE PROVEN TO NOT BY SAMPLING AND ANALYSIS;
   a. POURED OR PRE-CAST CONCRETE
   b. MASONRY AND MORTAR
   c. CERAMIC TILES AND GROUT

## GENERAL DEMOLITION NOTES
to be followed for Demolition and Reflected Ceiling Plans

1. REMOVE ANY EXISTING MOUNTING HARDWARE, FITTINGS ETC. ON WALLS DUE, BUT NOT LIMITED TO BRACKETS, SHELVING AND WINDOW COVERINGS BEING REMOVED AND NOT NOTED FOR RE-INSTALLATION IN AREA OF WORK. PATCH AND MAKE GOOD HOLES IN WALL FROM FITMENT REMOVAL AS REQUIRED FOR NEW FINISHES.
2. PATCH AND MAKE GOOD ANY MINOR HOLES DUE TO HARDWARE IN EXISTING WALLS TO PREPARE FOR NEW FINISHES.
3. OWNER TO REMOVE ALL PLAQUES, MIRRORS AND ARTWORK PRIOR TO DEMOLITION, CONTRACTOR TO PATCH AND MAKE GOOD ANY MINOR HOLES FROM REMOVALS IN EXISTING WALLS TO PREPARE FOR NEW FINISHES.
4. ALL PERIMETER WALLS IN AREA OF WORK TO REMAIN SHALL RECEIVE NEW PAINT FINISH. REFER TO ROOM FINISH SCHEDULE,
5. FOLLOWING REMOVALS OF FLOORING, ENSURE PREPARATION FOR NEW SURFACES INCLUDES PREPARATION OF REQUIRED, INCLUDING GRINDING, PATCHING AND LEVELING TO SUIT NEW FLOORING DEPTHS AND FLUSH TRANSITIONS, ALSO REFER TO SPECIFICATION AND FINISH SCHEDULE.
6. WHERE APPLICABLE LEVEL ALL EXISTING FLOORS AND CONNECTIONS BETWEEN NEW AND EXISTING FLOORS TO AS REQUIRED TO RECEIVE NEW FLOOR FINISHES, FEATHER NEW CONCRETE SLABS FOR TRANSITION AT EXISTING WITH REQUIRED FINISHES.
   TRANSITION PIECES IS NOT ACCEPTABLE.
7. COORDINATE AND PREPARE FOR NEW WORK INCLUDING REMOVALS, CUTTING, PREPARATION ETC, WHETHER ITEMS ARE SHOWN ON DEMOLITION PLAN OR NOT, INCLUDE ALL REQUIREMENTS FOR DEMOLITION AND PREPARATION TO SUIT PROPOSED FLOOR PLANS. ALL NECESSARY DISCONNECTS AND ALTERATIONS TO EXISTING MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INCLUDED. PATCH AND MAKE GOOD ALL EXISTING FINISHES TO REMAIN. REFER TO SCHEDULES AND SPECIFICATIONS FOR OTHER NECESSARY REQUIREMENTS.
8. REFER TO STRUCTURAL DRAWINGS FOR TYPICAL FLOOR INFILL DETAILS
9. PATCH AND MAKE GOOD ANY EXISTING HOLES DUE TO MECHANICAL / STRUCTURAL / ELECTRICAL PENETRATIONS INCLUDING MATCHING RATED AND NON-RATED FIRE SEPARATIONS AT ALL REQUIRED WALLS AND BETWEEN FLOORS
10. RENOVATED AREAS TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION, ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS.
11. ALL DIMENSION IN AREA OF WORK TO BE FIELD VERIFIED BY G.C. PRIOR TO START OF CONSTRUCTION.




2 A01 OVERALL SECOND FLOOR KEY PLAN - FIRE SEPARATION
SCALE 1:250




1 A01 OVERALL GROUND FLOOR KEY PLAN - FIRE SEPARATION
SCALE 1:250

PROJECT NORTH
TRUE NORTH

## FIRE SEPARATION LEGEND

- EX.1 HOUR FIRE SEPARATION
- EX. 2 HOUR FIRE WALL
- PROPOSED 1 HOUR FIRE WALL
- PROPOSED AREA OF WORK
- EXISTING ROOMS, NOT IN SCOPE OF WORK
- EXISTING WALLS TO REMAIN
- INTERIOR TEMPORARY HOARDING
  - 38 x89 mm WOOD FRAMING
  - 6mm WHITE POLY VAPOUR BARRIER SEALED FROM FLOOR TO U/S OF CEILING.
  - 12mm PLYWOOD SHEATHING PAINTED WHITE ON SCHOOL SIDE.

| NO | ISSUED | DATE |
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ONTARIO ASSOCIATION OF ARCHITECTS
KYUNG HEE KIM
LICENCE 7159
JUNE 5, 2026

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LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

peel District School Board

KEY PLAN, SCHEDULES, FIRE SEPARATIONS, GENERAL NOTES AND OBC MATRIX


HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 0X3
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| | |
|---|---|
| SCALE | AS SHOWN |
| DATE | MARCH 2026 |
| DRAWN | GY |
| CHECKED | ST |
| PROJECT | 26105 |
| DRAWING | A01 |
| PRINT DATE | MARCH 4, 2026 |
| CAD FILE | T:\26105\02 |

## DEMOLITION PLAN NOTES

G.C. IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.

ALL REMOVALS/DEMOLITIONS TO BE COORDINATED WITH STRUCTURAL, MECHANICAL, ELECTRICAL DRAWINGS PRIOR TO DEMOLITION START, FOR ADDITIONAL DEMOLITION, DOCUMENTS AND DETAILS SEE STRUCTURAL, MECH, AND ELECT, DWGS.

GENERAL CONTRACTOR TO **X-RAY ALL EXISTING CONCRETE FLOOR SLABS** AS REQUIRED PRIOR TO DEMOLITION. IF EXISTING WIRES, CONDUIT, ETC. CUT DURING SLAB DEMOLITION, CONTRACTOR IS RESPONSIBLE TO RESTORE ALL EXISTING ITEMS PRIOR TO DEMOLITION, SEE SPEC.

CONTRACTOR TO REMOVE EXISTING WINDOW COVERINGS, HARDWARE, ETC. AND STORE FREE FROM DIRT AND DAMAGE AND RE-INSTALL AFTER CONSTRUCTION IS COMPLETE.

CONTRACTOR TO PREPARE AND PAINT ALL EXISTING AND NEW WALLS IN CONSTRUCTION AREA (INCLUDING AREAS IN EXISTING CORRIDORS AFFECTED BY RENOVATION), REFER TO SPECIFICATION AND SCHEDULES.

CONTRACTOR TO COORDINATE DEMOLITION OF ALL RACEWAY/CONDUIT/ETC. WITH ELECTRICAL DRAWINGS, PATCH AND MAKE GOOD ALL WALLS AS REQUIRED FOR NEW FINISHES.

AREA OF WORK TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION, ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS AS PER SPECIFICATION SECTION 017411.

D1 REMOVE EXISTING DOOR ASSEMBLY, INCLUDING FRAME, HARDWARE, STUD AND GYPSUM ABOVE. SAW-CUT CONCRETE BLOCK 300 mm BEYOND EACH SIDE OF THE EXISTING FRAME TO ELIMINATE THE BULLNOSE CORNERS ON THE CORRIDOR SIDE, PATCH AND MAKE GOOD THE REMAINING WALL SURFACES AS REQUIRED. PROVIDE NEW WALL INFILL WHERE APPLICABLE. REFER TO THE PROPOSED PLANS FOR NEW WALL CONSTRUCTION AND FINISHES.

D2 REMOVE EXISTING FLOOR FINISH THROUGHOUT ENTIRE ROOM (INCLUDING VINYL OR ANY OTHER TYPE), BASE, AND ANY UNDERPAD/NAILING STRIPS. PATCH AND MAKE GOOD EXISTING SUBFLOOR TO ACCEPT NEW FLOORING TO THE SATISFACTION OF THE FLOORING SUBTRADE. PATCH AND MAKE GOOD EXISTING WALLS TO REMAIN FOR NEW FINISHES, REFER TO FINISH SCHEDULE.

D3 REMOVE EXISTING CARPET TILE TO THE EXTENT SHOWN ON THE DRAWINGS, INCLUDING BASE, ANY UNDERPAD/NAILING STRIPS, AND ADHESIVE, PATCH AND MAKE GOOD EXISTING SUBFLOOR TO ACCEPT NEW FLOORING TO THE SATISFACTION OF THE FLOORING SUBTRADE. PATCH AND MAKE GOOD EXISTING WALLS TO REMAIN FOR NEW FINISHES, REFER TO FINISH SCHEDULE.

D4 CAREFULLY SAW-CUT AND REMOVE EXISTING BLOCK WALL (FLOOR TO U/S DECK) ASSEMBLY, INCLUDING DOOR ASSEMBLY, FRAME, HARDWARE, BASE, DRYWALL,STUD ABOVE DOOR, TO THE EXTENT SHOWN ON THE DRAWINGS. PATCH AND MAKE GOOD ADJACENT FLOOR SLAB, WALLS, AND CEILING AS REQUIRED FOR THE NEW ROOM LAYOUT. PATCH AND REPLACE FINISHES TO MATCH EXISTING AND NEW FINISHES WHERE APPLICABLE. REFER TO FINISH SCHEDULE. REFER TO PROPOSED PLANS FOR OPENING SIZE.

D5 CAREFULLY SAW-CUT AND REMOVE EXISTING BLOCK WALL ASSEMBLY AND BASE TO THE EXTENT SHOWN ON THE DRAWINGS FOR PROPOSED DOOR AND FRAME INSTALLATION. PATCH AND MAKE GOOD ADJACENT FLOOR SLAB, WALLS, AND CEILING AS REQUIRED FOR THE NEW ROOM LAYOUT. PATCH AND REPLACE FINISHES TO MATCH EXISTING AND NEW FINISHES WHERE APPLICABLE, REFER TO FINISH SCHEDULE, PROPOSED PLANS FOR OPENING SIZE AND STRUCTURAL DRAWINGS.

D6 CAREFULLY SAW-CUT AND REMOVE EXISTING BLOCK WALL ASSEMBLY AND BASE COMPLETELY (FLOOR TO UNDERSIDE OF DECK). PATCH AND MAKE GOOD ADJACENT FLOOR SLAB AND WALLS AS REQUIRED FOR THE NEW ROOM LAYOUT, REFER TO FINISH SCHEDULE.

D7 REMOVE EXISTING DOOR ASSEMBLY COMPLETELY, INCLUDING FRAME AND HARDWARE.

D8 REMOVE EXISTING METAL STUD WALL AND BASE COMPLETELY (FLOOR TO UNDERSIDE OF DECK). PATCH AND MAKE GOOD ADJACENT FLOOR SLAB AND WALLS AS REQUIRED FOR THE NEW ROOM LAYOUT. REFER TO FINISH SCHEDULE.

D9 REMOVE EXISTING BARRIER-FREE PUSH BUTTON AND POWER DOOR OPERATOR AND HAND OVER TO THE OWNER.

D10 REMOVE EXISTING WHITEBOARD,TACK BOARD COMPLETELY FOR NEW LAYOUT.

D11 REMOVE EXISTING WALL-MOUNTED HEATER AND COVER. REFER TO MECHANICAL DRAWINGS. PATCH AND MAKE GOOD WALL AND FLOOR AS REQUIRED FOR NEW FINISHES.

D12 REMOVE EXISTING FLOORING (VCT/TERRAZZO/CARPET) AND REINFORCED CONCRETE SLAB, INCLUDING SUB-BASE AND EARTH AS REQUIRED FOR NEW PLUMBING, NEW FOOTINGS, FOUNDATION, AND INSTALLATION OF A SUMP PIT. COORDINATE WITH STRUCTURAL AND MECHANICAL DRAWINGS.

D13 PATCH ALL EXISTING HOLES IN CONCRETE BLOCK WALLS AND PREPARE FOR NEW PRIMING AND PAINTING OF THE ENTIRE ROOM. CONTRACTOR TO REMOVE ALL MISCELLANEOUS HOOKS AND LOOSE FITMENTS PRIOR TO PAINTING AND REINSTALL THEM UPON COMPLETION.

D14 REMOVE EXISTING MILLWORK, SINK, UPPER CABINETS, HARDWARE, VENT, AND OTHER ITEMS AS REQUIRED FOR THE PROPOSED RENOVATION. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS. PATCH AND MAKE GOOD ALL EXISTING WALLS AND FLOOR AS REQUIRED FOR NEW FINISHES.

D15 REMOVE EXISTING MILLWORK. DISCONNECT EXISTING BACKFLOW PREVENTER AND REINSTALL AS REQUIRED. INFILL EXISTING WALL WHERE AFFECTED BY THE PENETRATION. REFER TO MECHANICAL DRAWINGS AND PROPOSED PLAN FOR LOCATION.

D16 REMOVE EXISTING EXTERIOR WINDOWS AND THE PORTION OF WALL BETWEEN AND BELOW THEM TO ACCOMMODATE THE NEW EXTERIOR DOOR ASSEMBLY, REFER TO DOOR ELEVATIONS ON DRAWING AD-801 FOR OPENING DIMENSIONS. PATCH AND MAKE GOOD EXISTING WALLS AND FLOOR AS REQUIRED TO RECEIVE NEW FINISHES. CAREFULLY SALVAGE AND REMOVE THE EXISTING BRICK VENEER FOR THE FULL WIDTH BELOW THE WINDOWS, FROM UNDERSIDE OF WINDOW TO EXISTING GRADE. CLEAN ALL SALVAGED BRICKS AND REMOVE MORTAR IN PREPARATION FOR REINSTALLATION AT THE INFILL WALL AT ORTHO WASHROOM A11 EXTERIOR WALL.

D17 REMOVE EXISTING MILLWORK, COAT HOOK COMPLETELY AND PATCH EXISTING BLOCK WALL FOR NEW FINISH.

D18 REMOVE EXISTING SPEAKER, PHONE LINE, FIRST AID BOX, PAPER DISPENSER, SOAP DISPENSER, ELECTRICAL CONDUIT, KEY BOX, ETC. FOR PROPOSED RENOVATION.

D19 REMOVE EXISTING VCT TILE TO THE ENTIRE CLASSROOM, INCLUDING BASE, ANY UNDERPAD/NAILING STRIPS, AND ADHESIVE. GRIND EXISTING CONCRETE FLOOR EXTENDT SHOWN ON THE DRAWING TO ENSURE THE NEW TILE IS FLUSH WITH THE EXISTING CORRIDOR TERRAZZO FLOOR; NO TRANSITION PIECE IS ACCEPTABLE. INSTALL NEW FLOORING TO THE SATISFACTION OF THE FLOORING SUBTRADE, PATCH AND MAKE GOOD EXISTING WALLS TO REMAIN FOR NEW FINISHES. REFER TO FINISH SCHEDULE.

D20 REMOVE EXISTING PORTION OF TERRAZZO FLOOR AND BASE UP TO THE NEAREST STRIP DIVIDER WHERE WALL REMOVAL OCCURS. PREPARE SUBSTRATE AS REQUIRED TO RECEIVE NEW TERRAZZO FLOOR AND BASE, MATCHING EXISTING ADJACENT FINISHES.

D21 SAWCUT AND REMOVE PORTIONS OF EXISTING CONCRETE SLAB AS REQUIRED FOR INSTALLATION OF ELEVATOR PIT, WEEPING TILE, AND SUMP PIT. REFER TO STRUCTURAL AND MECHANICAL DRAWINGS FOR EXTENTS AND DETAILS.

D22 REMOVE EXISTING EXTERIOR WINDOWS. RETAIN EXISTING LINTEL. PATCH EXISTING OPENINGS AND PREPARE FOR INFILL TO MATCH EXISTING WALL CONSTRUCTION. REFER TO DETAIL.

D23 CAREFULLY SALVAGE AND REMOVE EXISTING PORTION OF WINDOW GLAZING AND INSTALL AT PROPOSED PRINCIPAL OFFICE A104 EXISTING WINDOW (WHERE EXISTING A/C WAS INSTALLED). CONTRACTOR TO MAKE NECESSARY ADJUSTMENTS FOR INSTALLATION OF THE GLAZING.

D24 CONTRACTOR TO CAREFULLY SALVAGE AND REMOVE EXISTING MILLWORK, STORE IT ON SITE IN A PROTECTED LOCATION, AND REINSTALL IT IN THE PROPOSED MAIL ROOM A107, REFER TO THE PROPOSED FLOOR PLAN FOR LOCATION AND INSTALLATION REQUIREMENTS.

1 A02 PARTIAL GROUND FLOOR - DEMOLITION PLAN
SCALE 1:50

PROJECT NORTH
TRUE NORTH

## FIRE SEPARATION LEGEND

- EX.1 HOUR FIRE SEPARATION
- 2 HOUR FIRE WALL
- TRAVEL DISTANCE (22 m)
- PROPOSED AREA OF WORK
- EXISTING ROOMS, NOT IN SCOPE OF WORK
- EXISTING WALLS TO REMAIN
- TEMPORARY DUST PROTECTION HOARDING, (P-10)

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ONTARIO ASSOCIATION OF ARCHITECTS
STEVEN TERSIGNI
LICENCE 7189
JUNE 5, 2026

BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

peel District School Board

PART GROUND FLOOR DEMOLITION FLOOR PLAN

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-4284 admin@hossackarch.com

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## CONSTRUCTION NOTES

G.C. IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.

CONTRACTOR TO REMOVE EXISTING WINDOW COVERINGS, HARDWARE, ETC. AND STORE FREE FROM DIRT AND DAMAGE AND RE-INSTALL AFTER CONSTRUCTION IS COMPLETE.

CONTRACTOR TO **PATCH ALL EXISTING HOLES IN EXISTING BLOCK, PREPARE AND PAINT ALL EXISTING AND NEW WALLS** IN CONSTRUCTION AREA (INCLUDING AREAS IN EXISTING CORRIDORS AS NOTED ON FLOOR PLAN). REFER TO SPECIFICATION AND SCHEDULES.

CONTRACTOR TO PAINT ALL EXISTING DOORS, FRAMES, ETC. USED FOR CONSTRUCTION ACCESS TO MATCH EXISTING PRIOR TO PROJECT COMPLETION. REFER TO DOOR SCHEDULE.

STUFF DECK FLUTES AND ANY TOP OF WALL PENETRATIONS WITH ROXUL AND CAULKING AS REQUIRED TO MAINTAIN EXISTING SMOKE-TIGHT JOINTS FOR EXISTING 1 HOUR FIRE SEPARATION AT CORRIDOR WALLS. REFER TO A01 FIRE SEPARATIONS AND SPECIFICATIONS.

AREA OF WORK TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION, ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS AS PER SPECIFICATION SECTION 017411.

1. PATCH AND REPAIR EXISTING CONCRETE BLOCK WALL AS REQUIRED, INCLUDING FILLING CRACKS, VOIDS, AND SURFACE IMPERFECTIONS, TO PROVIDE A SMOOTH SURFACE READY TO RECEIVE NEW PAINT FINISH. REFER TO ROOM FINISH SCHEDULE.
2. CONTRACTOR TO INSTALL RECONNECT EXISTING BACKFLOW PREVENTER AND ASSOCIATED CONNECTIONS AS REQUIRED. REFER TO MECHANICAL DRAWINGS FOR PROPOSED LOCATION AND DETAILS.
3. CONTRACTOR TO PREPARE, PRIME, AND APPLY PAINT FINISH TO EXISTING AND NEW CONCRETE BLOCK WALLS, TO THE EXTENT SHOWN ON THE DRAWINGS. NEW PAINT FINISH SHALL MATCH EXISTING ADJACENT COLOUR AND FINISH.
4. CONTRACTOR TO SUPPLY AND INSTALL NEW MILLWORK UNITS, WITH OR WITHOUT SINK AS INDICATED ON THE DRAWINGS, INCLUDING ALL ASSOCIATED PLUMBING CONNECTIONS IN ACCORDANCE WITH MECHANICAL DRAWINGS, REFER TO MECHANICAL DRAWINGS FOR DETAILS.
5. CONTRACTOR TO SUPPLY AND INSTALL NEW WHITEBOARD OR TACK BOARD UNITS AT LOCATIONS INDICATED ON THE DRAWINGS, COMPLETE WITH ALL REQUIRED MOUNTING HARDWARE. REFER TO SPECIFICATIONS.
6. CONTRACTOR TO SUPPLY AND INSTALL SOAP DISPENSER AND PAPER TOWEL DISPENSER UNITS AT LOCATIONS INDICATED ON THE DRAWINGS, COMPLETE WITH ALL REQUIRED MOUNTING HARDWARE AND ACCESSORIES. REFER TO SPECIFICATIONS.
7. CONTRACTOR TO PROVIDE AND INSTALL TEMPORARY FULL-HEIGHT (FLOOR-TO-CEILING) HOARDING, AIR-SEALED AND DUST-TIGHT, TO THE EXTENT SHOWN ON THE DRAWINGS. HOARDING TO BE SECURELY INSTALLED AND MAINTAINED FOR THE DURATION OF CONSTRUCTION. COORDINATE WITH SITE CONDITIONS AS REQUIRED.
8. CONTRACTOR TO SUPPLY AND INSTALL NEW BARRIER-FREE PUSH BUTTON AND/OR BARRIER-FREE LOCK UNITS, RECESSED INTO THE BLOCK WALL, AT LOCATIONS INDICATED ON THE DRAWINGS. INSTALLATION TO COMPLY WITH ELECTRICAL DRAWINGS AND HARDWARE SCHEDULE REQUIREMENTS.
9. CONTRACTOR TO SUPPLY AND INSTALL NEW SUMP PIT FOR THE NEW ELEVATOR, COMPLETE WITH ALL REQUIRED CONNECTIONS AS PER MECHANICAL DRAWINGS. SUMP PIT COVER SHALL BE INSTALLED FLUSH WITH THE EXISTING SLAB ON GRADE SURFACE.
10. CONTRACTOR TO POUR AND FINISH CONCRETE FOLLOWING SUMP PIT INSTALLATION, IN ACCORDANCE WITH MECHANICAL AND STRUCTURAL DRAWINGS. ENSURE PROPER COORDINATION AND COMPLIANCE WITH SPECIFIED SLAB DETAILS.
11. CONTRACTOR TO ENSURE NEW FLOOR FINISH IS FLUSH WITH EXISTING TERRAZO WITHOUT ANY THRESHOLDS.
12. CONTRACTOR TO SUPPLY AND INSTALL NEW TERRAZZO FLOOR AND TERRAZZO BASE AT LOCATIONS INDICATED ON THE PROPOSED FLOOR PLAN. NEW TERRAZZO SHALL MATCH EXISTING IN COLOR, PATTERN, AND FINISH.
13. CONTRACTOR TO SUPPLY AND INSTALL REINFORCED CONCRETE SLAB INCLUDING SUBBASE, AFTER COMPLETION OF FOOTINGS, FOUNDATION,FLOOR THICKENING, PLUMBING, AND SUMP PIT INSTALLATION. COORDINATE WITH STRUCTURAL AND MECHANICAL DRAWINGS. REFER TO FLOOR PATTERN PLAN FOR PROPOSED FLOOR FINISHES (VCT, TERRAZZO).
14. CONTRACTOR TO SUPPLY AND INSTALL NEW RADIATOR, REFER TO MECHANICAL DRAWINGS.
15. CONTRACTOR TO SUPPLY AND INSTALL NEW WEEPING TILE AT NEW ELEVATOR PIT FOOTING. REFER TO STRUCTURAL AND MECHANICAL DRAWINGS FOR COORDINATION AND DETAILS.
16. CONTRACTOR TO INFILL EXISTING WINDOW OPENING TO MATCH EXISTING WALL CONSTRUCTION (MASONRY AND CONCRETE BLOCK WALL). EXISTING STEEL LINTEL TO REMAIN. INSTALL NEW BRICK (BRAMPTON BRICK – CHATEAU BROWN) AND AIR BARRIER AT INFILL WINDOW OPENING AND BELOW AREA WHERE EXISTING BRICK WAS REMOVED (UNDER EXISTING WINDOW).
17. CONTRACTOR TO INFILL EXISTING DUCT OPENING WITH NEW CONCRETE BLOCK TO MATCH EXISTING. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
18. CONTRACTOR TO SUPPLY AND INSTALL NEW FLOOR FINISHES IN ACCORDANCE WITH THE FLOOR PATTERN PLAN AND THE ROOM FINISH SCHEDULE.
19. CONTRACTOR TO INFILL EXISTING WINDOW OPENING TO MATCH EXISTING WALL CONSTRUCTION (MASONRY AND CONCRETE BLOCK WALL). EXISTING STEEL LINTEL TO REMAIN. INSTALL EXISTING SALVAGED BRICK FROM EXISTING PRINCIPAL OFFICE X137A AT THIS LOCATION. IF SALVAGED BRICK QUANTITY IS INSUFFICIENT FOR COMPLETE INFILL, USE BRAMPTON BRICK CHATEAU BROWN AND BLEND WITH EXISTING SALVAGED BRICK.
20. CONTRACTOR TO SUPPLY AND INSTALL NEW CALL FOR ASSISTANCE SYSTEM C/W AUDIBLE/VISUAL INDICATOR CONNECTED TO MAIN OFFICE. REFER ELEC. DRAWINGS.
21. CONTRACTOR TO INSTALL EXISTING GLAZING SALVAGED FROM EXISTING PRINCIPAL ROOM X137A AT THIS WINDOW LOCATION (WHERE A/C UNIT WAS PREVIOUSLY INSTALLED). CONTRACTOR TO MAKE ALL NECESSARY ADJUSTMENTS FOR PROPER INSTALLATION OF THE EXISTING GLAZING.
22. CONTRACTOR TO EXTEND MILLWORK M1 COUNTER TOP AND BELOW MILLWORK TO EXTERIOR WALL. REFER TO ELEVATION DRAWINGS.
23. CONTRACTOR TO REINSTALL EXISTING MILLWORK AND MOUNT IT TIGHT TO THE NEW T-BAR CEILING. COORDINATE INSTALLATION WITH THE PROPOSED CEILING HEIGHT AND ADJACENT FINISHES.

1 / A03 PARTIAL GROUND FLOOR - PROPOSED FLOOR PLAN
SCALE 1:50

PROJECT NORTH
TRUE NORTH

## FIRE SEPARATION LEGEND

- EX.1 HOUR FIRE SEPARATION
- 2 HOUR FIRE WALL
- TRAVEL DISTANCE (22 m)
- PROPOSED AREA OF WORK
- EXISTING ROOMS, NOT IN SCOPE OF WORK
- EXISTING WALLS TO REMAIN
- TEMPORARY DUST PROTECTION HOARDING, (P-10)

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ONTARIO ASSOCIATION OF ARCHITECTS
GREG YEISER
LICENCE
7159
JUNE 5, 2026

BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

peel District School Board

PART GROUND FLOOR PROPOSED FLOOR PLAN

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

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1 / A04 PARTIAL GROUND FLOOR - DEMOLITION RCP PLAN
SCALE 1:50

## DEMOLITION PLAN NOTES

G.C. IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.

ALL REMOVALS/DEMOLITIONS TO BE COORDINATED WITH STRUCTURAL, MECHANICAL, ELECTRICAL DRAWINGS PRIOR TO DEMOLITION START. FOR ADDITIONAL DEMOLITION, DOCUMENTS AND DETAILS SEE STRUCTURAL, MECH. AND ELECT. DWGS.

CONTRACTOR TO REMOVE EXISTING WINDOW COVERINGS, HARDWARE, ETC. AND STORE FREE FROM DIRT AND DAMAGE AND RE-INSTALL AFTER CONSTRUCTION IS COMPLETE.

CONTRACTOR IS RESPONSIBLE TO REVIEW EXISTING STRUCTURAL STEEL AND COORDINATE ALL REQUIRED REINFORCEMENT FOR NEW MEDICAL FRAGILE TRACK/LIFT; SEE SPEC.

EX. SMARTBOARD PROJECTORS, SPEAKERS,TV, ETC. TO BE REMOVED BY OWNER PRIOR TO CONSTRUCTION.

AREA OF WORK TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION, ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS AS PER SPECIFICATION SECTION 017411.

**NOTE: ALL EXISTING CEILING HEIGHTS ARE +/- AND MAY VARY. FIELD VERIFY AS REQUIRED.**

- C1 REMOVE EXISTING ACOUSTIC CEILING TILES, INCLUDING ALL ASSOCIATED WIRES, TRIM, HANGERS, AND HARDWARE, THROUGHOUT THE ENTIRE ROOM AS REQUIRED TO ACCOMMODATE NEW RENOVATION WORK. REFER TO MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- C2 REMOVE EXISTING ACOUSTIC CEILING TILES, INCLUDING ALL ASSOCIATED WIRES, TRIM, HANGERS, AND HARDWARE, EXTENT AS SHOWN ON THE DRAWINGS AS REQUIRED TO ACCOMMODATE NEW RENOVATION WORK. REFER TO MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. CONTRACTOR TO ENSURE ALL NEW MATERIALS MATCH EXISTING ADJACENT FINISHES.
- C3 REMOVE EXISTING LIGHTING FIXTURES,HARDWARE ,HANGERS,WIRING,TENTING COVER, AS REQUIRED FOR INSTALLATION OF NEW LIGHTING FIXTURES, UNLESS NOTED OTHERWISE ON PLAN. SEE ELECT. DWGS AND SPECS.
- C4 REMOVE EXISTING DIFFUSERS/ CEILING GRILLE, HARDWARE, HANGERS,TENTING COVER, AS REQUIRED FOR INSTALLATION OF NEW/RELOCATED DIFFUSER/GRILLE. SEE MECH.DWGS. AND SPECS.
- C5 REMOVE EXISTING WALL MOUNTED DIFFUSERS/ CEILING GRILLE, HARDWARE,ETC. AS REQUIRED FOR INSTALLATION OF NEW/RELOCATED DIFFUSER/GRILLE. SEE MECH.DWGS. AND SPECS.
- C6 REMOVE EXISTING SPEAKER, ANY MECHANICAL AND ELECTRICAL ITEMS ON THE CEILING FOR PROPOSED RENOVATION. REINSTALL IF NEEDED REFER TO PROPOSED RCP PLAN, MECHACINAL, AND ELECTRICAL PLANS.
- C7 CAREFULLY SAW-CUT EXISTING EXTERIOR WALL TO CREATE AN OPENING FOR THE PROPOSED LOUVER, REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATION.
- C8 REMOVE EXISTING ACOUSTIC CEILING TILE ONLY (EXISTING GRID TO REMAIN), EXTENT AS SHOWN ON THE DRAWINGS AS REQUIRED TO ACCOMMODATE NEW RENOVATION WORK. REFER TO MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. CONTRACTOR TO ENSURE ALL NEW MATERIALS MATCH EXISTING ADJACENT FINISHES.
- C11 REMOVE AND RELOCATE EXISTING LED LIGHT FIXTURES, INCLUDING ALL ASSOCIATED HARDWARE, HANGERS, WIRING, AND TENTING COVERS. REFER TO THE PROPOSED PLANS FOR NEW LIGHT FIXTURE LOCATIONS. COORDINATE ALL WORK WITH THE ELECTRICAL DRAWINGS AND SPECIFICATIONS. ANY SURPLUS LIGHT FIXTURES, COVERS, OR RELATED MATERIALS SHALL BE TURNED OVER TO THE SCHOOL BOARD UPON COMPLETION OF THE WORK.

PROJECT NORTH
TRUE NORTH

## RCP LEGEND

- PROPOSED LIFT MED. FRAGILE TRACK/LIFT SYSTEM, SEE SPEC.
- LIGHT FIXTURE REFER TO LIGHTING PLANS/ LIGHTING SCHEDULES FOR TYPE
- FLUSH MOUNTED FLUORESCENT LIGHT FIXTURE – TYPE 1 SEE ELECT. DWGS
- NEW ACOUSTIC CEILING PANELS WITH TRIM, TEE'S, HANGERS, ETC.
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST GRILL
- RP RADIANT PANEL
- GYPSUM BOARD CEILING TO BE PAINTED, COLOUR TO BE DETERMINED. SEE SPEC.
- LIGHT FIXTURE, FOR TYPE AND MOUNTING SEE ELECT. DWGS
- (0000) CEILING HEIGHT FROM FIN. FLOOR
- SPRINKLER, SEE MECH. DWGS.
- BV BRICK VENTS
- LF NEW LIGHT FIXTURE, PATCH AND MAKE GOOD WALL AS REQ'D, SEE ELECT. DWGS.
- GB GYPSUM BOARD
- AREA OF EX. CEILING TO REMAIN, UNLESS NOTED OTHERWISE

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GREGORY TERPSTRA
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LEGAL DESCRIPTION

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CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

peel District School Board

PART GROUND FLOOR DEMOLITION REFLECTIVE CEILING FLOOR

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-9294 admin@hossackarch.com

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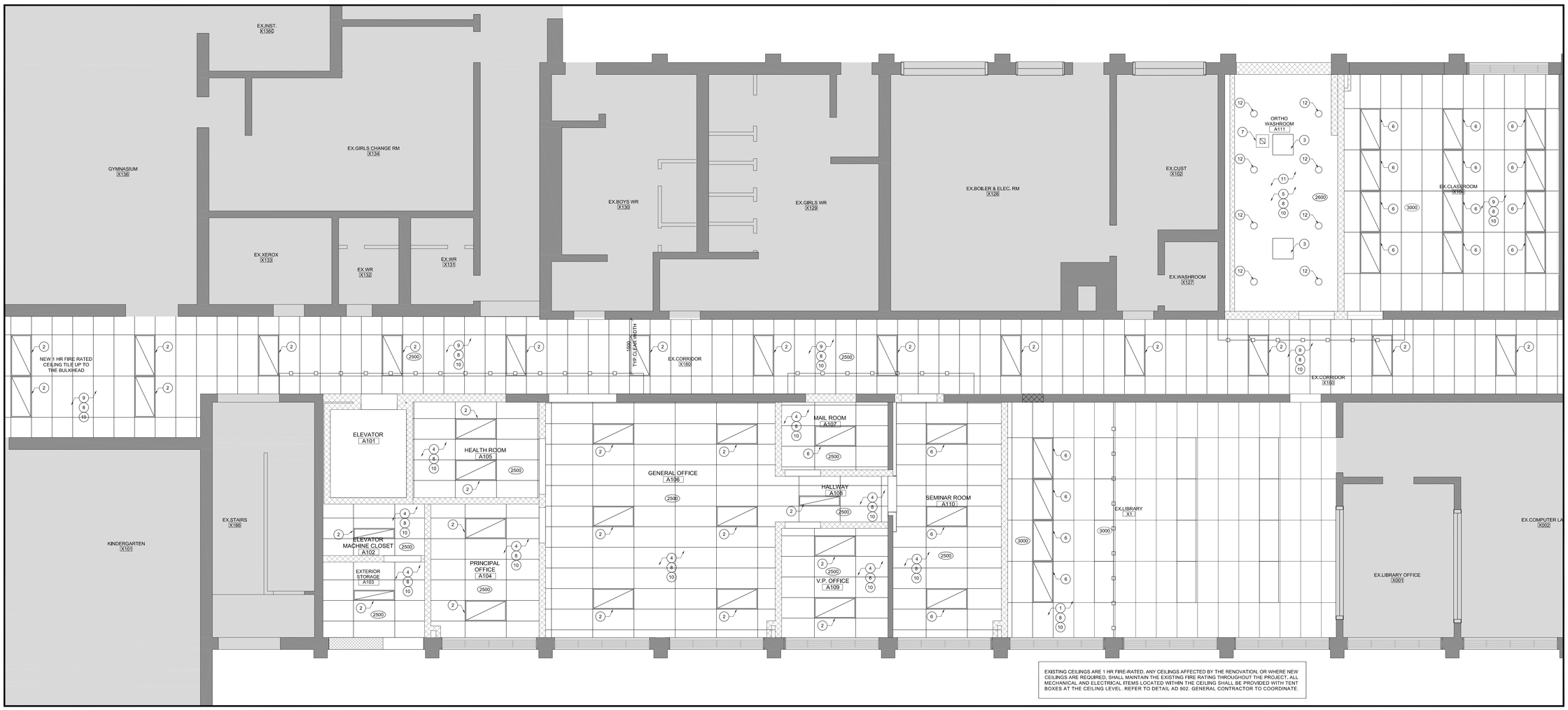
CONTRACTOR TO PREPARE AND PAINT ALL EXISTING AND NEW WALLS IN CONSTRUCTION AREA (INCLUDING AREAS IN EXISTING CORRIDORS), REFER TO SPECIFICATION AND SCHEDULES.

STUFF DECK FLUTES AND ANY TOP OF WALL PENETRATIONS WITH ROXUL AND CAULKING AS REQUIRED TO MAINTAIN EXISTING SMOKE-TIGHT JOINTS FOR EXISTING 0 HOUR FIRE SEPARATION AT CORRIDOR WALLS. REFER TO A01 FIRE SEPARATIONS AND SPECIFICATIONS.

AREA OF WORK TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION, ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS AS PER SPECIFICATION SECTION 017411.

EXISTING CORRIDOR CEILING HEIGHTS ARE TO BE INSTALLED TO MATCH EXISTING HEIGHT SEAMLESSLY, CONTRACTOR TO FIELD VERIFY AS REQUIRED.

1. RE-INSTALL/MODIFY EXISTING ACOUSTIC CEILING GRID, TILES, PERIMETER TRIM, HANGERS, ETC.(FIRE RATED CEILING) AS REQUIRED FOR NEW RENOVATION. FIELD VERIFY AS REQ'D PRIOR TO CONSTRUCTION. IF NEW TILES, GRID, ETC. ARE REQUIRED, CONTRACTOR TO ENSURE NEW MATERIALS MATCH EXISTING.
2. CONTRACTOR SHALL INSTALL NEW LIGHTING FIXTURES, INCLUDING ALL REQUIRED HARDWARE, HANGERS, WIRING, AND FIRE-RATED TENT COVERS, AS NECESSARY FOR A COMPLETE INSTALLATION. REFER TO THE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. NEW LIGHTING FIXTURES AND FIRE-RATED TENT COVERS SHALL BE PROVIDED BY THE SCHOOL BOARD.
3. CONTRACTOR TO INSTALL NEW 600mm x 600mm FIRE RATED ACCESS PANEL IN CEILING SPACE.
4. CONTRACTOR TO INSTALL NEW FIRE RATED ACOUSTIC CEILING TILES, GRID, PERIMETER TRIM,WIRES,HANGERS, ETC. SEE MECH./ ELECT, DWGS., TYP. NEW TILES AND GRID TO MATCH EXISTING, CONTRACTOR TO FIELD VERIFY AS REQUIRED,REFER TO SPECS,
5. 92mm METAL STUDS @ 16" O/C WITH 12mm MOLD & MILDEW RESISTANT GYPSUM PAINT FINISH, REFER TO MECH/ELEC. DWGS. FOR ROUGH-INS AND DEVICE LOCATIONS.
6. CONTRACTOR TO REINSTALL EXISTING LED LIGHTING FIXTURES, HARDWARE, HANGERS, WIRING, TENTING COVERS ETC, AS REQUIRED FOR INSTALLATION. REFER ELEC. DWGS.
7. CONTRACTOR TO INSTALL NEW CEILING MOUNTED EXHAUST FAN. REFER TO MECH,ELEC. DWGS. NEW TENTING TO ALL MECHANICAL FIXTURES. REFER TO DETAIL AD902
8. CONTRACTOR SHALL INSTALL OR REINSTALL EXISTING AND/OR NEW MECHANICAL ITEMS AS REQUIRED. PROVIDE ALL NECESSARY PROTECTION, INCLUDING TENTING,FIRE ,SMOKE DAMPERS DURING THE WORK, REFER TO MECHANICAL DRAWINGS. MAINTAIN EXISTING FIRE-RATED CEILING ASSEMBLY IN ITS EXISTING CONDITION.
9. CONTRACTOR TO SUPPLY AND INSTALL NEW FIRE-RATED ACOUSTIC CEILING TILES ON EXISTING GRID. PROVIDE NEW GRID, PERIMETER TRIM, WIRES, HANGERS, AND ASSOCIATED COMPONENTS AS REQUIRED DUE TO WALL DEMOLITION OR MECHANICAL WORK, REFER TO MECHANICAL AND ELECTRICAL DRAWINGS, TYPICAL. NEW CEILING TILES AND GRID SHALL MATCH EXISTING, CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND REFER TO SPECIFICATIONS.
10. CONTRACTOR SHALL INSTALL OR REINSTALL EXISTING AND/OR NEW ELECTRICAL ITEMS AS REQUIRED, PROVIDE ALL NECESSARY PROTECTION, INCLUDING TENTING, DURING THE WORK. REFER TO ELECTRICAL DRAWINGS. MAINTAIN EXISTING FIRE-RATED CEILING ASSEMBLY IN ITS EXISTING CONDITION.
11. CONTRACTOR TO APPLY SPRAY-APPLIED FIREPROOFING TO THE UNDERSIDE OF EXISTING FLOOR DECK TO ACHIEVE PRE-ENGINEERED ULC FIRE-RESISTANCE RATING – ULC F906 FOR THE ENTIRE ROOM.
12. CONTRACTOR TO SUPPLY AND INSTALL NEW POT LIGHT FIXTURES, INCLUDING ALL REQUIRED HARDWARE WIRING AND FIRE RATED TENT COVERS. REFER TO ELECTRICAL DRAWINGS FOR FOR ADDITIONAL REQUIREMENTS.




EXISTING CEILINGS ARE 1 HR FIRE-RATED, ANY CEILINGS AFFECTED BY THE RENOVATION, OR WHERE NEW CEILINGS ARE REQUIRED, SHALL MAINTAIN THE EXISTING FIRE RATING THROUGHOUT THE PROJECT, ALL MECHANICAL AND ELECTRICAL ITEMS LOCATED WITHIN THE CEILING SHALL BE PROVIDED WITH TENT BOXES AT THE CEILING LEVEL. REFER TO DETAIL AD 902. GENERAL CONTRACTOR TO COORDINATE.

1 / A05 PARTIAL GROUND FLOOR - PROPOSED RCP PLAN
SCALE 1:50

PROJECT NORTH
TRUE NORTH

## RCP LEGEND

- PROPOSED LIFT MED. FRAGILE TRACKLIFT SYSTEM, SEE SPEC,
- LIGHT FIXTURE REFER TO LIGHTING PLANS/ LIGHTING SCHEDULES FOR TYPE
- FLUSH MOUNTED FLUORESCENT LIGHT FIXTURE – TYPE 1 SEE ELECT. DWGS
- NEW ACOUSTIC CEILING PANELS WITH TRIM, TEE'S, HANGERS, ETC.
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST GRILL
- RP RADIANT PANEL
- GYPSUM BOARD CEILING TO BE PAINTED, COLOUR TO BE DETERMINED. SEE SPEC.
- LIGHT FIXTURE, FOR TYPE AND MOUNTING SEE ELECT. DWGS
- (0000) CEILING HEIGHT FROM FIN. FLOOR
- SPRINKLER, SEE MECH. DWGS.
- BV BRICK VENTS
- LF NEW LIGHT FIXTURE, PATCH AND MAKE GOOD WALL AS REQ'D, SEE ELECT. DWGS.
- GB GYPSUM BOARD
- AREA OF EX. CEILING TO REMAIN, UNLESS NOTED OTHERWISE

| NO | ISSUED | DATE |
|---|---|---|
| 04 | ISSUED FOR TENDER | JUNE-5-2026 |
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DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND MUST REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.

ONTARIO ASSOCIATION OF ARCHITECTS
KYLE HOSSACK
LICENCE
7159
JUNE 5, 2026

BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

peel District School Board

PART GROUND FLOOR PROPOSED REFLECTIVE CEILING FLOOR PLAN

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8264 admin@hossackarch.com

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|---|---|
| SCALE | AS SHOWN |
| PROJECT | 26105 |
| DATE | MARCH 2026 |
| DRAWN | GY |
| DRAWING | A05 |
| CHECKED | ST |
| PRINT DATE | MARCH 4. 2026 |
| CAD FILE | T:\26105\02 |

## DEMOLITION PLAN NOTES

G.C. IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.
ALL REMOVALS/DEMOLITIONS TO BE COORDINATED WITH STRUCTURAL, MECHANICAL, ELECTRICAL DRAWINGS PRIOR TO DEMOLITION START. FOR ADDITIONAL DEMOLITION, DOCUMENTS AND DETAILS SEE STRUCTURAL, MECH. AND ELECT. DWGS.
GENERAL CONTRACTOR TO **X-RAY ALL EXISTING CONCRETE FLOOR SLABS** AS REQUIRED PRIOR TO DEMOLITION. IF EXISTING WIRES, CONDUIT, ETC. CUT DURING SLAB DEMOLITION, CONTRACTOR IS RESPONSIBLE TO RESTORE ALL EXISTING ITEMS PRIOR TO DEMOLITION, SEE SPEC.
CONTRACTOR TO REMOVE EXISTING WINDOW COVERINGS, HARDWARE, ETC. AND STORE FREE FROM DIRT AND DAMAGE AND RE-INSTALL AFTER CONSTRUCTION IS COMPLETE.
CONTRACTOR TO PREPARE AND PAINT ALL EXISTING AND NEW WALLS IN CONSTRUCTION AREA (INCLUDING AREAS IN EXISTING CORRIDORS AFFECTED BY RENOVATION). REFER TO SPECIFICATION AND SCHEDULES.
CONTRACTOR TO COORDINATE DEMOLITION OF ALL RACEWAY/CONDUIT/ETC, WITH ELECTRICAL DRAWINGS, PATCH AND MAKE GOOD ALL WALLS AS REQUIRED FOR NEW FINISHES.
AREA OF WORK TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION, ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS AS PER SPECIFICATION SECTION 017411.

D1 CAREFULLY SAW-CUT AND REMOVE EXISTING BLOCK WALL (FLOOR TO U/S DECK) ASSEMBLY, INCLUDING DOOR ASSEMBLY, FRAME, HARDWARE, BASE, DRYWALL STUD ABOVE DOOR. TO THE EXTENT SHOWN ON THE DRAWINGS. PATCH AND MAKE GOOD ADJACENT FLOOR SLAB, WALLS, AND CEILING AS REQUIRED FOR THE NEW ROOM LAYOUT. PATCH AND REPLACE FINISHES TO MATCH EXISTING AND NEW FINISHES WHERE APPLICABLE. REFER TO FINISH SCHEDULE. REFER TO PROPOSED PLANS FOR OPENING SIZE.

D2 REMOVE EXISTING FLOOR FINISH THROUGHOUT ENTIRE ROOM (INCLUDING VINYL OR ANY OTHER TYPE), BASE, AND ANY UNDERPAD/NAILING STRIPS. PATCH AND MAKE GOOD EXISTING SUBFLOOR TO ACCEPT NEW FLOORING TO THE SATISFACTION OF THE FLOORING SUBTRADE. PATCH AND MAKE GOOD EXISTING WALLS TO REMAIN FOR NEW FINISHES. REFER TO FINISH SCHEDULE.

D3 CAREFULLY SAW-CUT AND REMOVE EXISTING BLOCK WALL ASSEMBLY (FLOOR TO U/S OF DECK), INCLUDING DOOR ASSEMBLY, FRAME, HARDWARE, BASE, DRYWALL STUD ABOVE DOOR. TO THE EXTENT SHOWN ON THE DRAWINGS. PATCH AND MAKE GOOD ADJACENT FLOOR SLAB, WALLS, AND CEILING AS REQUIRED FOR THE NEW ROOM LAYOUT. PATCH AND REPLACE FINISHES TO MATCH EXISTING AND NEW FINISHES WHERE APPLICABLE. REFER TO FINISH SCHEDULE. REFER TO PROPOSED PLANS FOR OPENING SIZE.

D4 CAREFULLY SAW-CUT AND REMOVE EXISTING BLOCK WALL ASSEMBLY AND BASE TO THE EXTENT SHOWN ON THE DRAWINGS FOR PROPOSED DOOR AND FRAME INSTALLATION. PATCH AND MAKE GOOD ADJACENT FLOOR SLAB, WALLS, AND CEILING AS REQUIRED FOR THE NEW ROOM LAYOUT. PATCH AND REPLACE FINISHES TO MATCH EXISTING AND NEW FINISHES WHERE APPLICABLE. REFER TO FINISH SCHEDULE. REFER TO PROPOSED PLANS FOR OPENING SIZE.

D10 REMOVE EXISTING WHITEBOARD,TACK BOARD,TECTUM PANEL COMPLETELY FOR NEW LAYOUT.

D6 REMOVE EXISTING WALL-MOUNTED HEATER AND COVER. REFER TO MECHANICAL DRAWINGS. PATCH AND MAKE GOOD WALL AND FLOOR AS REQUIRED FOR NEW FINISHES.

D7 EXISTING WALL-MOUNTED HEATER TO REMAIN. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.

D8 PATCH ALL EXISTING HOLES IN CONCRETE BLOCK WALLS AND PREPARE FOR NEW PRIMING AND PAINTING OF THE ENTIRE ROOM. CONTRACTOR TO REMOVE ALL MISCELLANEOUS HOOKS AND LOOSE FITMENTS PRIOR TO PAINTING AND REINSTALL THEM UPON COMPLETION.

D9 REMOVE EXISTING MILLWORK, SINK, UPPER CABINETS, HARDWARE, VENT, AND OTHER ITEMS AS REQUIRED FOR THE PROPOSED RENOVATION. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS. PATCH AND MAKE GOOD ALL EXISTING WALLS AND FLOOR AS REQUIRED FOR NEW FINISHES.

D10 REMOVE PORTION OF EXISTING MILLWORK TO EXTENT SHOWN ON THE DRAWINGS FOR INSTALLATION OF NEW DOOR. PATCH EXISTING BLOCK WALL FOR NEW FINISH. EXACT LENGTH TO BE COORDINATE ON SITE.

D11 REMOVE EXISTING SPEAKER, PHONE LINE, FIRST AID BOX, PAPER DISPENSER, SOAP DISPENSER, ELECTRICAL CONDUIT, KEY BOX, ETC, FOR PROPOSED RENOVATION.

D12 GRIND EXISTING CONCRETE FLOOR TO ENSURE THE NEW TILE IS FLUSH WITH THE EXISTING CORRIDOR PORCELAIN TILE FLOOR; NO TRANSITION PIECE IS ACCEPTABLE, INSTALL NEW FLOORING TO THE SATISFACTION OF THE FLOORING SUBTRADE. PATCH AND MAKE GOOD EXISTING WALLS TO REMAIN FOR NEW FINISHES. REFER TO FINISH SCHEDULE.

D13 SAW CUT AND REMOVE EXISTING FLOORING AND STEEL DECK WITH CONC. SLAB INCLUDING SUB-BASE AS REQUIRED FOR NEW PLUMBING, LINE & CONNECTIONS, COORDINATE EXACT SLAB REMOVAL LOCATIONS WITH NEW PLUMBING LINES/CONNECTIONS WITH MECHANICAL DRAWINGS.

D14 SAW CUT AND REMOVE EXISTING FLOORING AND STEEL DECK WITH CONC. SLAB INCLUDING SUB-BASE AS REQUIRED FOR NEW ELEVATOR SHAFT WALL INSTALLATION. REFER TO STRUCTURAL DRAWINGS AND PROPOSED PLAN LAYOUT.

D15 REMOVE EXISTING STEEL RACK COMPLETELY.

D16 REMOVE EXISTING PORTION OF PORCELAIN TILE FLOOR AND BASE WHERE WALL REMOVAL OCCURS. PREPARE SUBSTRATE AS REQUIRED TO RECEIVE NEW PORCELAIN TILE AND RUBBER BASE, MATCHING EXISTING ADJACENT FINISHES.

1 / A06 PARTIAL SECOND FLOOR - DEMOLITION PLAN
SCALE 1:50

PROJECT NORTH
TRUE NORTH

## FIRE SEPARATION LEGEND

- EX.1 HOUR FIRE SEPARATION
- 2 HOUR FIRE WALL
- TRAVEL DISTANCE (22 m)
- PROPOSED AREA OF WORK
- EXISTING ROOMS, NOT IN SCOPE OF WORK
- EXISTING WALLS TO REMAIN
- TEMPORARY DUST PROTECTION HOARDING, (P-10)

| NO | ISSUED | DATE |
|---|---|---|
| 03 | ISSUED FOR TENDER | JUNE-5-2026 |
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ONTARIO ASSOCIATION OF ARCHITECTS
TIMOTHY GY
LICENCE 7159
JUNE 5, 2026

# BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

peel District School Board

# PART SECOND FLOOR DEMOLITION FLOOR PLAN

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

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| SCALE | AS SHOWN |
| DATE | MARCH 2026 |
| DRAWN | GY |
| CHECKED | ST |
| PROJECT | 26105 |
| DRAWING | A06 |
| PRINT DATE | MARCH 4, 2026 |
| CAD FILE | T:\26105\02 |

## CONSTRUCTION NOTES

G.C. IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.

CONTRACTOR TO REMOVE EXISTING WINDOW COVERINGS, HARDWARE, ETC. AND STORE FREE FROM DIRT AND DAMAGE AND RE-INSTALL AFTER CONSTRUCTION IS COMPLETE.

CONTRACTOR TO **PATCH ALL EXISTING HOLES IN EXISTING BLOCK, PREPARE AND PAINT ALL EXISTING AND NEW WALLS** IN CONSTRUCTION AREA (INCLUDING AREAS IN EXISTING CORRIDORS AS NOTED ON FLOOR PLAN). REFER TO SPECIFICATION AND SCHEDULES.

CONTRACTOR TO PAINT ALL EXISTING DOORS, FRAMES, ETC. USED FOR CONSTRUCTION ACCESS TO MATCH EXISTING PRIOR TO PROJECT COMPLETION. REFER TO DOOR SCHEDULE.

STUFF DECK FLUTES AND ANY TOP OF WALL PENETRATIONS WITH ROXUL AND CAULKING AS REQUIRED TO MAINTAIN EXISTING SMOKE-TIGHT JOINTS FOR EXISTING 1 HOUR FIRE SEPARATION AT CORRIDOR WALLS. REFER TO A01 FIRE SEPARATIONS AND SPECIFICATIONS.

AREA OF WORK TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION, ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS AS PER SPECIFICATION SECTION 017411.

1. PATCH AND REPAIR EXISTING CONCRETE BLOCK WALL AS REQUIRED, INCLUDING FILLING CRACKS, VOIDS, AND SURFACE IMPERFECTIONS, TO PROVIDE A SMOOTH SURFACE READY TO RECEIVE NEW PAINT FINISH. REFER TO ROOM FINISH SCHEDULE.
2. CONTRACTOR TO PREPARE, PRIME, AND APPLY PAINT FINISH TO EXISTING AND NEW CONCRETE BLOCK WALLS, TO THE EXTENT SHOWN ON THE DRAWINGS. NEW PAINT FINISH SHALL MATCH EXISTING ADJACENT COLOUR AND FINISH.
3. CONTRACTOR TO SUPPLY AND INSTALL NEW WHITEBOARD OR TACK BOARD UNITS AT LOCATIONS INDICATED ON THE DRAWINGS, COMPLETE WITH ALL REQUIRED MOUNTING HARDWARE. REFER TO SPECIFICATIONS.
4. CONTRACTOR TO SUPPLY AND INSTALL NEW MILLWORK UNITS, WITH OR WITHOUT SINK AS INDICATED ON THE DRAWINGS, INCLUDING ALL ASSOCIATED PLUMBING CONNECTIONS IN ACCORDANCE WITH MECHANICAL DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR DETAILS.
5. CONTRACTOR TO SUPPLY AND INSTALL NEW BARRIER-FREE PUSH BUTTON AND/OR BARRIER-FREE LOCK UNITS, RECESSED INTO THE BLOCK WALL, AT LOCATIONS INDICATED ON THE DRAWINGS. INSTALLATION TO COMPLY WITH ELECTRICAL DRAWINGS AND HARDWARE SCHEDULE REQUIREMENTS.
6. CONTRACTOR TO ENSURE NEW FLOOR FINISH IS FLUSH WITH EXISTING PORCELAIN TILE FLOORING WITHOUT ANY THRESHOLDS.
7. PORTION OF EXISTING MILLWORK TO REMAIN.
8. CONTRACTOR TO SUPPLY AND INSTALL NEW RADIATOR, REFER TO MECHANICAL DRAWINGS.
9. CONTRACTOR TO SUPPLY AND INSTALL NEW FLOOR FINISHES IN ACCORDANCE WITH THE FLOOR PATTERN PLAN AND THE ROOM FINISH SCHEDULE.
10. CONTRACTOR TO SUPPLY AND INSTALL NEW PORCELAIN TILE TO MATCH EXISTING.
11. CONTRACTOR TO SUPPLY AND INSTALL NEW CALL FOR ASSISTANCE SYSTEM C/W AUDIBLE/VISUAL INDICATOR CONNECTED TO MAIN OFFICE. REFER ELEC. DRAWINGS.
12. CONTRACTOR TO INFILL EXISTING METAL DECK WITH CONCRETE TO MATCH EXISTING FLOOR ELEVATION AFTER COMPLETION OF MECHANICAL WORK. PREPARE EXISTING FLOOR SURFACE FOR NEW FINISHES. REFER TO MECHANICAL DRAWINGS AND ROOM FINISH SCHEDULE.

1 A07 PARTIAL SECOND FLOOR - PROPOSED FLOOR PLAN
SCALE 1:50

PROJECT NORTH
TRUE NORTH

## FIRE SEPARATION LEGEND

- EX.1 HOUR FIRE SEPARATION
- 2 HOUR FIRE WALL
- TRAVEL DISTANCE (22 m)
- PROPOSED AREA OF WORK
- EXISTING ROOMS, NOT IN SCOPE OF WORK
- EXISTING WALLS TO REMAIN
- TEMPORARY DUST PROTECTION HOARDING, (P-10)

| NO | ISSUED | DATE |
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ONTARIO ASSOCIATION OF ARCHITECTS
LICENCE 7189
JUNE 5, 2026

BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

peel District School Board

PART SECOND FLOOR PROPOSED FLOOR PLAN

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

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| SCALE | AS SHOWN |
| DATE | MARCH 2026 |
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| CHECKED | ST |
| PROJECT | 26105 |
| DRAWING | A07 |
| PRINT DATE | MARCH 4, 2026 |
| CAD FILE | T:\26105\02 |

## DEMOLITION PLAN NOTES

G.C. IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.

ALL REMOVALS/DEMOLITIONS TO BE COORDINATED WITH STRUCTURAL, MECHANICAL, ELECTRICAL DRAWINGS PRIOR TO DEMOLITION START. FOR ADDITIONAL DEMOLITION, DOCUMENTS AND DETAILS SEE STRUCTURAL, MECH, AND ELECT, DWGS.

CONTRACTOR TO REMOVE EXISTING WINDOW COVERINGS, HARDWARE, ETC. AND STORE FREE FROM DIRT AND DAMAGE AND RE-INSTALL AFTER CONSTRUCTION IS COMPLETE.

CONTRACTOR IS RESPONSIBLE TO REVIEW EXISTING STRUCTURAL STEEL AND COORDINATE ALL REQUIRED REINFORCEMENT FOR NEW MEDICAL FRAGILE TRACK/LIFT, SEE SPEC.

EX. SMARTBOARD PROJECTORS, SPEAKERS,TV, ETC. TO BE REMOVED BY OWNER PRIOR TO CONSTRUCTION.

AREA OF WORK TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION, ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS AS PER SPECIFICATION SECTION 017411,

**NOTE: ALL EXISTING CEILING HEIGHTS ARE +/- AND MAY VARY. FIELD VERIFY AS REQUIRED.**

1. REMOVE EXISTING ACOUSTIC CEILING TILES, INCLUDING ALL ASSOCIATED WIRES, TRIM, HANGERS, AND HARDWARE, THROUGHOUT THE ENTIRE ROOM AS REQUIRED TO ACCOMMODATE NEW RENOVATION WORK, REFER TO MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
2. REMOVE EXISTING ACOUSTIC CEILING TILE ONLY (EXISTING GRID TO REMAIN), EXTENT AS SHOWN ON THE DRAWINGS AS REQUIRED TO ACCOMMODATE NEW RENOVATION WORK, REFER TO MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS, CONTRACTOR TO ENSURE ALL NEW MATERIALS MATCH EXISTING ADJACENT FINISHES.
3. REMOVE AND RELOCATE EXISTING LED LIGHT FIXTURES, INCLUDING ALL ASSOCIATED HARDWARE, HANGERS, WIRING, AND TENTING COVERS. REFER TO THE PROPOSED PLANS FOR NEW LIGHT FIXTURE LOCATIONS, COORDINATE ALL WORK WITH THE ELECTRICAL DRAWINGS AND SPECIFICATIONS. ANY SURPLUS LIGHT FIXTURES, COVERS, OR RELATED MATERIALS SHALL BE TURNED OVER TO THE SCHOOL BOARD UPON COMPLETION OF THE WORK.
4. REMOVE EXISTING DIFFUSERS/ CEILING GRILLE, HARDWARE, HANGERS, TENTING,ETC. AS REQUIRED FOR INSTALLATION OF NEW/RELOCATED DIFFUSER/GRILLE, SEE MECH.DWGS, AND SPECS.
5. REMOVE EXISTING WALL MOUNTED DIFFUSERS/ CEILING GRILLE, HARDWARE,ETC. AS REQUIRED FOR INSTALLATION OF NEW/RELOCATED DIFFUSER/GRILLE. SEE MECH DWGS. AND SPECS.
6. REMOVE EXISTING SPEAKER, ANY MECHANICAL AND ELECTRICAL ITEMS ON THE CEILING FOR PROPOSED RENOVATION, REINSTALL IF NEEDED REFER TO PROPOSED RCP PLAN, MECHACINAL, AND ELECTRICAL PLANS.
7. WALL MOUNTED PROJECTOR SCREEN TO REMAIN.
8. CAREFULLY SAW-CUT EXISTING EXTERIOR WALL TO CREATE AN OPENING FOR THE PROPOSED LOUVER, REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATION.

1 A08 PARTIAL SECOND FLOOR - DEMOLITION RCP PLAN

SCALE 1:50

## RCP LEGEND

- PROPOSED LIFT MED. FRAGILE TRACK/LIFT SYSTEM, SEE SPEC,
- LIGHT FIXTURE REFER TO LIGHTING PLANS/ LIGHTING SCHEDULES FOR TYPE
- FLUSH MOUNTED FLUORESCENT LIGHT FIXTURE – TYPE 1 SEE ELECT. DWGS
- NEW ACOUSTIC CEILING PANELS WITH TRIM, TEE'S, HANGERS, ETC.
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST GRILL
- RP RADIANT PANEL
- GYPSUM BOARD CEILING TO BE PAINTED, COLOUR TO BE DETERMINED. SEE SPEC.
- LIGHT FIXTURE, FOR TYPE AND MOUNTING SEE ELECT. DWGS
- (0000) CEILING HEIGHT FROM FIN. FLOOR
- SPRINKLER, SEE MECH. DWGS.
- BV BRICK VENTS
- LF NEW LIGHT FIXTURE, PATCH AND MAKE GOOD WALL AS REQ'D, SEE ELECT. DWGS.
- GB GYPSUM BOARD
- AREA OF EX. CEILING TO REMAIN, UNLESS NOTED OTHERWISE

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ONTARIO ASSOCIATION OF ARCHITECTS
LICENSE 7199
JUNE 5, 2026

BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

peel District School Board

PART SECOND FLOOR DEMOLITION REFLECTIVE CEILING FLOOR PLAN

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8264 admin@hossackarch.com

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| SCALE | AS SHOWN |
| DATE | MARCH 2026 |
| PROJECT | 26105 |
| DRAWN | GY |
| CHECKED | ST |
| DRAWING | A08 |
| PRINT DATE | MARCH 4, 2026 |
| CAD FILE | T:\26105\02 |

## CONSTRUCTION NOTES

G.C. IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.

CONTRACTOR TO REMOVE EXISTING WINDOW COVERINGS, HARDWARE, ETC, AND STORE FREE FROM DIRT AND DAMAGE AND RE-INSTALL AFTER CONSTRUCTION IS COMPLETE.

CONTRACTOR TO PREPARE AND PAINT ALL EXISTING AND NEW WALLS IN CONSTRUCTION AREA (INCLUDING AREAS IN EXISTING CORRIDORS), REFER TO SPECIFICATION AND SCHEDULES.

STUFF DECK FLUTES AND ANY TOP OF WALL PENETRATIONS WITH ROXUL AND CAULKING AS REQUIRED TO MAINTAIN EXISTING SMOKE-TIGHT JOINTS FOR EXISTING 0 HOUR FIRE SEPARATION AT CORRIDOR WALLS. REFER TO A01 FIRE SEPARATIONS AND SPECIFICATIONS.

AREA OF WORK TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION, ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS AS PER SPECIFICATION SECTION 017411.

EXISTING CORRIDOR CEILING HEIGHTS ARE TO BE INSTALLED TO MATCH EXISTING HEIGHT SEAMLESSLY, CONTRACTOR TO FIELD VERIFY AS REQUIRED.

1. CONTRACTOR TO SUPPLY AND INSTALL NEW FIRE-RATED ACOUSTIC CEILING TILES ON EXISTING GRID, PROVIDE NEW GRID, PERIMETER TRIM, WIRES, HANGERS, AND ASSOCIATED COMPONENTS AS REQUIRED DUE TO WALL DEMOLITION OR MECHANICAL WORK. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS, TYPICAL. NEW CEILING TILES AND GRID SHALL MATCH EXISTING. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND REFER TO SPECIFICATIONS.
2. CONTRACTOR TO SUPPLY AND INSTALL NEW POT LIGHT FIXTURES, INCLUDING ALL REQUIRED HARDWARE WIRING AND FIRE RATED TENT COVERS. REFER TO ELECTRICAL DRAWINGS FOR FOR ADDITIONAL REQUIREMENTS.
3. CONTRACTOR TO INSTALL NEW 600mm x 600mm FIRE RATED ACCESS PANEL IN CEILING SPACE.
4. CONTRACTOR TO INSTALL NEW FIRE RATED ACOUSTIC CEILING TILES, GRID, PERIMETER TRIM,WIRES,HANGERS, ETC, SEE MECH./ ELECT, DWGS., TYP. NEW TILES AND GRID TO MATCH EXISTING. CONTRACTOR TO FIELD VERIFY AS REQUIRED REFER TO SPECS.
5. 92mm METAL STUDS @ 16" O/C WITH 12mm MOLD & MILDEW RESISTANT GYPSUM PAINT FINISH, REFER TO MECH/ELEC. DWGS. FOR ROUGH-INS AND DEVICE LOCATIONS.
6. CONTRACTOR TO REINSTALL EXISTING LED LIGHTING FIXTURES, HARDWARE, HANGERS, WIRING, TENTING COVERS ETC. AS REQUIRED FOR INSTALLATION. REFER ELEC. DWGS.
7. CONTRACTOR TO INSTALL NEW CEILING MOUNTED EXHAUST FAN, REFER TO MECH./ELEC. DWGS. NEW TENTING TO ALL MECHANICAL FIXTURES. REFER TO DETAIL AD902
8. CONTRACTOR SHALL INSTALL OR REINSTALL EXISTING AND/OR NEW MECHANICAL ITEMS AS REQUIRED. PROVIDE ALL NECESSARY PROTECTION, INCLUDING TENTING,FIRE ,SMOKE DAMPERS DURING THE WORK, REFER TO MECHANICAL DRAWINGS, MAINTAIN EXISTING FIRE-RATED CEILING ASSEMBLY IN ITS EXISTING CONDITION.
9. NOT USED
10. CONTRACTOR SHALL INSTALL OR REINSTALL EXISTING AND/OR NEW ELECTRICAL ITEMS AS REQUIRED. PROVIDE ALL NECESSARY PROTECTION, INCLUDING TENTING, DURING THE WORK. REFER TO ELECTRICAL DRAWINGS. MAINTAIN EXISTING FIRE-RATED CEILING ASSEMBLY IN ITS EXISTING CONDITION.
11. CONTRACTOR TO APPLY SPRAY-APPLIED FIREPROOFING TO THE UNDERSIDE OF EXISTING ROOF DECK TO ACHIEVE PRE-ENGINEERED ULC FIRE-RESISTANCE RATING – ULC cUL P741 FOR THE ENTIRE ROOM.

1 / A09 PARTIAL SECOND FLOOR - PROPOSED RCP PLAN
SCALE 1:50

PROJECT NORTH
TRUE NORTH

## RCP LEGEND

- PROPOSED LIFT MED. FRAGILE TRACKLIFT SYSTEM, SEE SPEC.
- LIGHT FIXTURE REFER TO LIGHTING PLANS/ LIGHTING SCHEDULES FOR TYPE
- FLUSH MOUNTED FLUORESCENT LIGHT FIXTURE – TYPE 1 SEE ELECT. DWGS
- NEW ACOUSTIC CEILING PANELS WITH TRIM, TEE'S, HANGERS, ETC.
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST GRILL
- RP RADIANT PANEL
- GYPSUM BOARD CEILING TO BE PAINTED, COLOUR TO BE DETERMINED. SEE SPEC.
- LIGHT FIXTURE, FOR TYPE AND MOUNTING SEE ELECT. DWGS
- (0000) CEILING HEIGHT FROM FIN. FLOOR
- SPRINKLER, SEE MECH. DWGS.
- BV BRICK VENTS
- LF NEW LIGHT FIXTURE, PATCH AND MAKE GOOD WALL AS REQ'D, SEE ELECT. DWGS.
- GB GYPSUM BOARD
- AREA OF EX. CEILING TO REMAIN, UNLESS NOTED OTHERWISE

| NO | ISSUED | DATE |
|---|---|---|
| 04 | ISSUED FOR TENDER | JUNE-5-2026 |
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ONTARIO ASSOCIATION OF ARCHITECTS
GREG YEBOA
LICENCE
7195
JUNE 5, 2026

# BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

peel District School Board

# PART SECOND FLOOR PROPOSED REFLECTIVE CEILING FLOOR PLAN

HOSSACK
ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

| | |
|---|---|
| SCALE AS SHOWN | PROJECT 26105 |
| DATE MARCH 2026 | |
| DRAWN GY | DRAWING A09 |
| CHECKED ST | |
| PRINT DATE | MARCH 4, 2026 |
| CAD FILE | T:\26105\02 |

## ROOF DEMOLITION AND CONSTRUCTION NOTES

G.C. IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.

CONTRACTOR TO REMOVE EXISTING WINDOW COVERINGS, HARDWARE, ETC, AND STORE FREE FROM DIRT AND DAMAGE AND RE-INSTALL AFTER CONSTRUCTION IS COMPLETE.

CONTRACTOR TO **PATCH ALL EXISTING HOLES IN EXISTING BLOCK, PREPARE AND PAINT ALL EXISTING AND NEW WALLS** IN CONSTRUCTION AREA (INCLUDING AREAS IN EXISTING CORRIDORS AS NOTED ON FLOOR PLAN). REFER TO SPECIFICATION AND SCHEDULES.

CONTRACTOR TO PAINT ALL EXISTING DOORS, FRAMES, ETC. USED FOR CONSTRUCTION ACCESS TO MATCH EXISTING PRIOR TO PROJECT COMPLETION.

STUFF DECK FLUTES AND ANY TOP OF WALL PENETRATIONS WITH ROXUL AND CAULKING AS REQUIRED TO MAINTAIN EXISTING SMOKE-TIGHT JOINTS FOR EXISTING 0 HOUR FIRE SEPARATION AT CORRIDOR WALLS. REFER TO A01 FIRE SEPARATIONS AND SPECIFICATIONS.

AREA OF WORK TO BE THOROUGHLY CLEANED TO OWNER SATISFACTION, ALL OF CONSTRUCTION DUST, DEBRIS AND MATERIALS AS PER SPECIFICATION SECTION 017411.

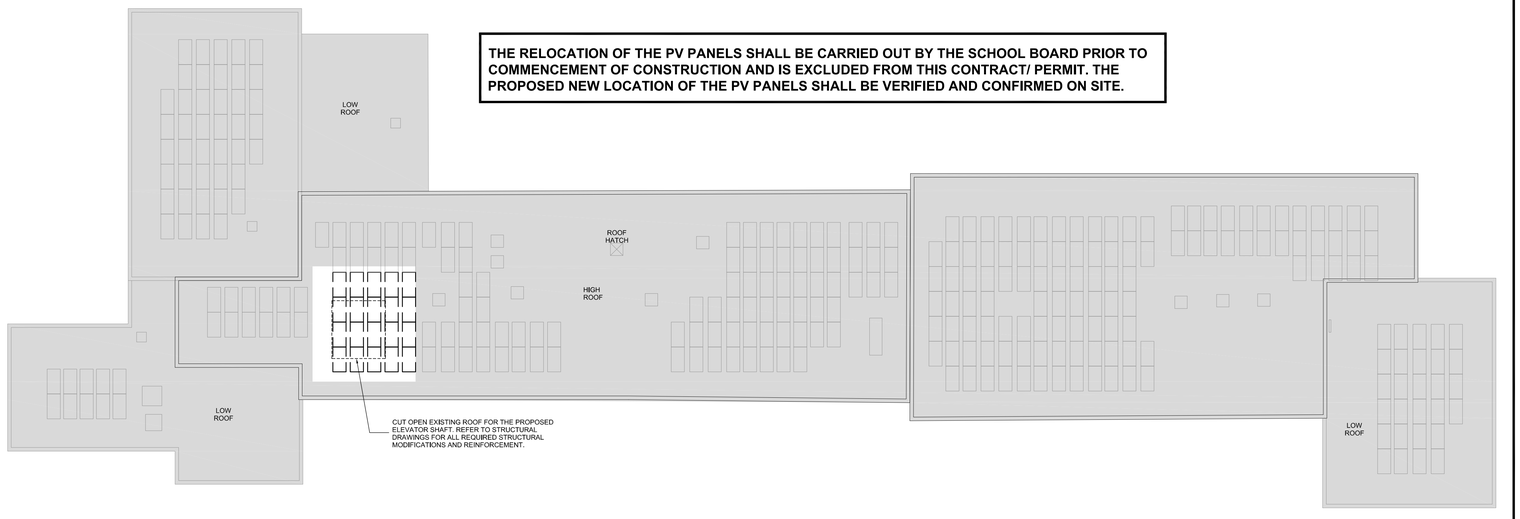
CONTRACTOR TO COORDINATE ALL ROOF PENETRATIONS FOR MECHANICAL PIPES AND DUCTWORK. REFER TO MECHANICAL DRAWINGS FOR REQUIREMENTS AND COORDINATION.

(R1) APPROXIMATE EXTENSION OF REMOVAL AND REPLACEMENT OF ROOF ASSEMBLY COMPLETE WITH TIE INTO EXISTING ROOF MEMBRANE, INSULATION AND VAPOUR BARRIER WITH NEW ADDITION. REFER TO DETAILS AND SPECIFICATIONS.

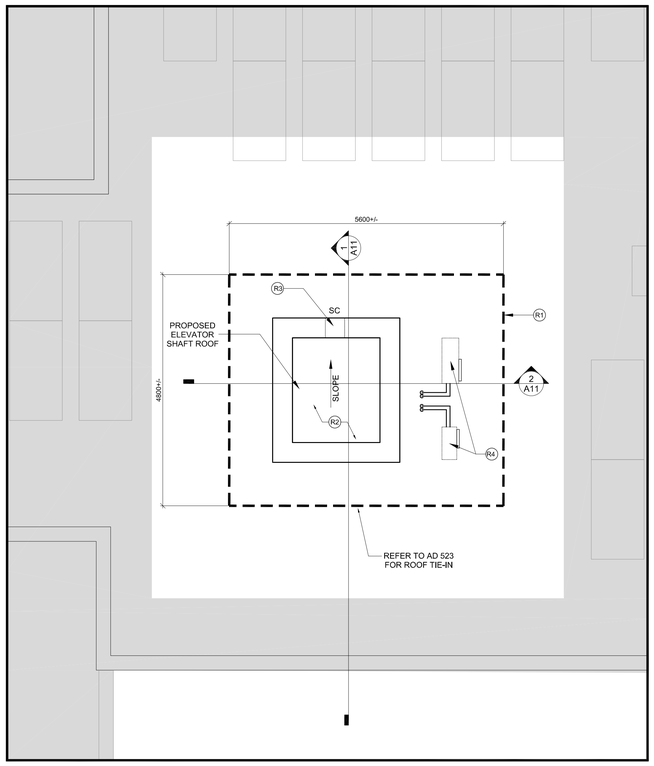
(R2) PROPOSED ADDITION ROOF ASSEMBLY. REFER TO SPECIFICATIONS FOR TYPE.

(R3) ROOF SCUPPER, REFER TO ARCHITECTURAL AD DETAILS.

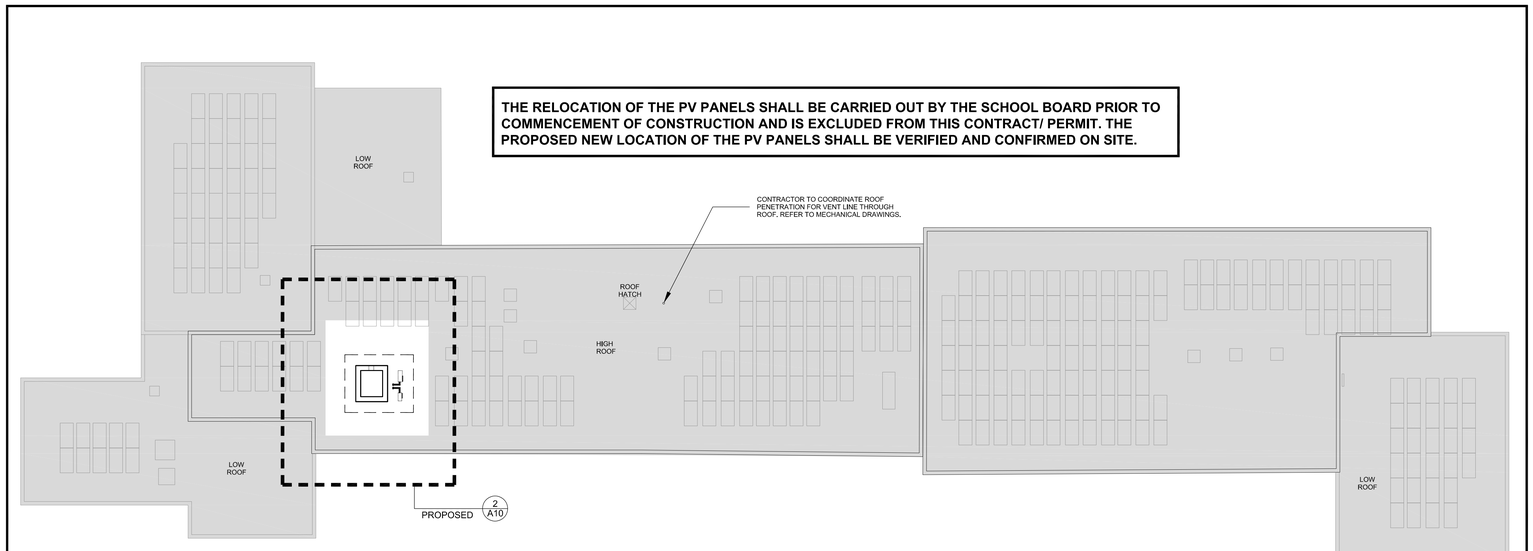
(R4) SUPPLY AND INSTALL NEW MECHANICAL UNITS, SUPPORTS ON THE EXISTING ROOF, REFER TO MECHANICAL DRAWINGS.




3 A10 DEMOLITION ROOF PLAN - PV PANELS
SCALE 1:200




2 A10 PARTIAL PROPOSED ROOF PLAN
SCALE 1:50




1 A10 PROPOSED ROOF PLAN -PV PANELS
SCALE 1:200

PROJECT NORTH
TRUE NORTH

## RCP LEGEND

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- LIGHT FIXTURE REFER TO LIGHTING PLANS/ LIGHTING SCHEDULES FOR TYPE
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ONTARIO ASSOCIATION OF ARCHITECTS
GREGORY YEE
LICENCE 7199
JUNE 5, 2026

BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

LEGAL DESCRIPTION

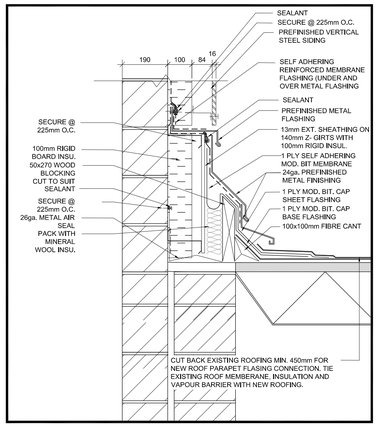
BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

peel District School Board

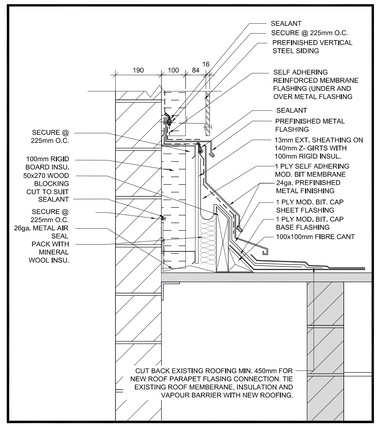
DEMOLITION AND PROPOSED ROOF PLAN AND DETAILS

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

| | |
|---|---|
| SCALE AS SHOWN | PROJECT 26105 |
| DATE MARCH 2026 | |
| DRAWN GY | DRAWING A10 |
| CHECKED ST | |
| PRINT DATE | MARCH 4, 2026 |
| CAD FILE | T:\26105\02 |




6 A11 ENLARGED DETAIL - EX. ROOF LEVEL
SCALE 1:10




6 A11 ENLARGED DETAIL - EX. ROOF LEVEL
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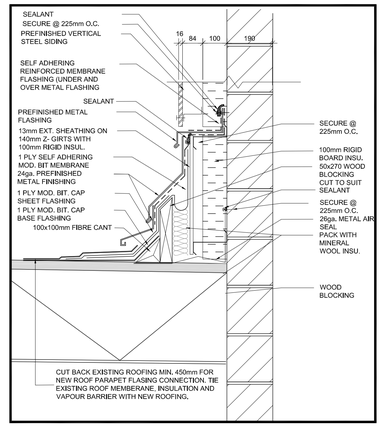


6 A11 ENLARGED DETAIL - EX. ROOF LEVEL
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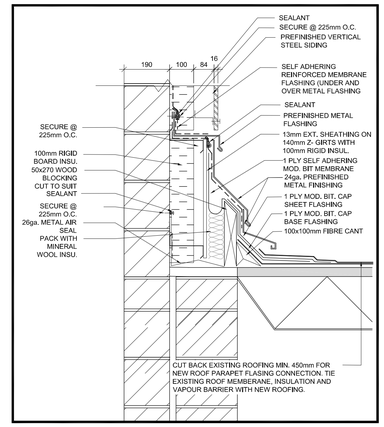


6 A11 ENLARGED DETAIL - EX. ROOF LEVEL
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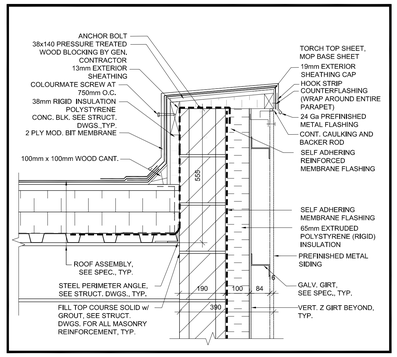
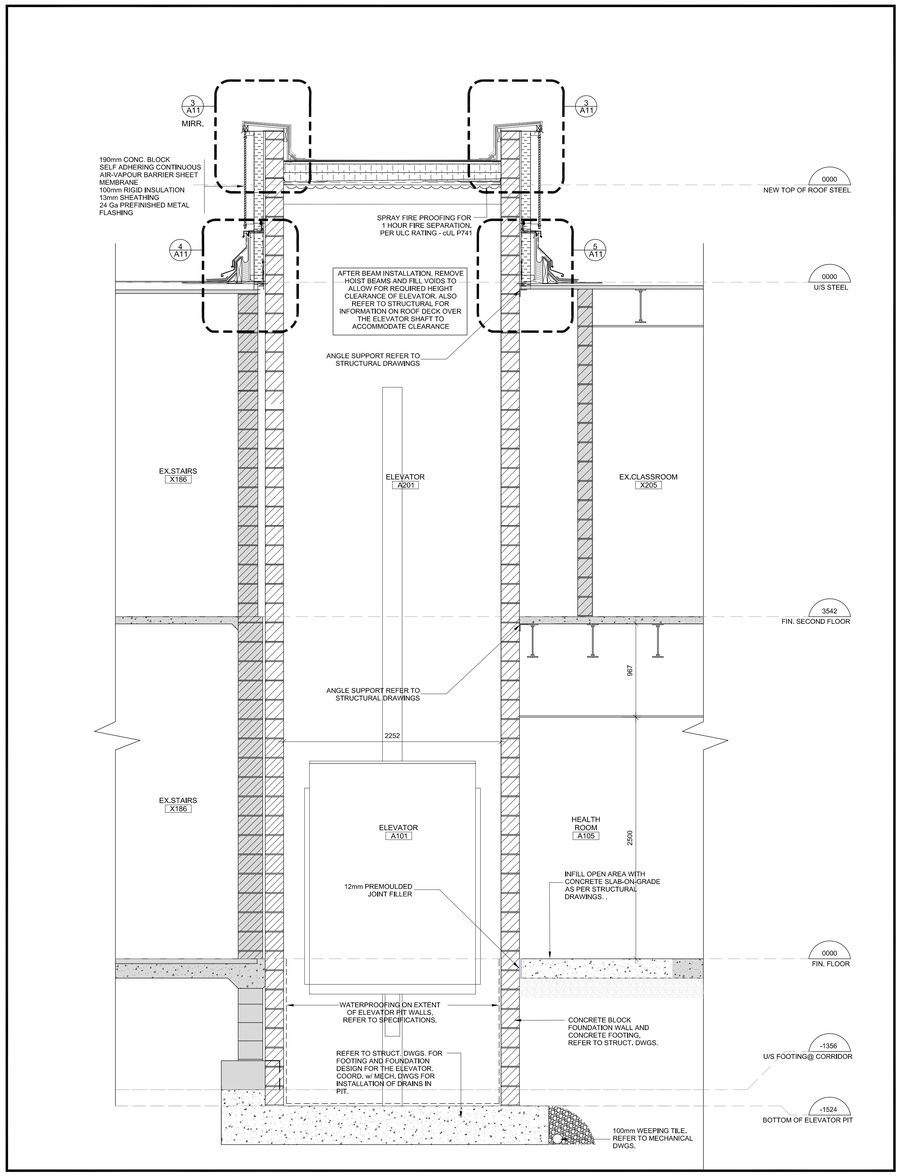
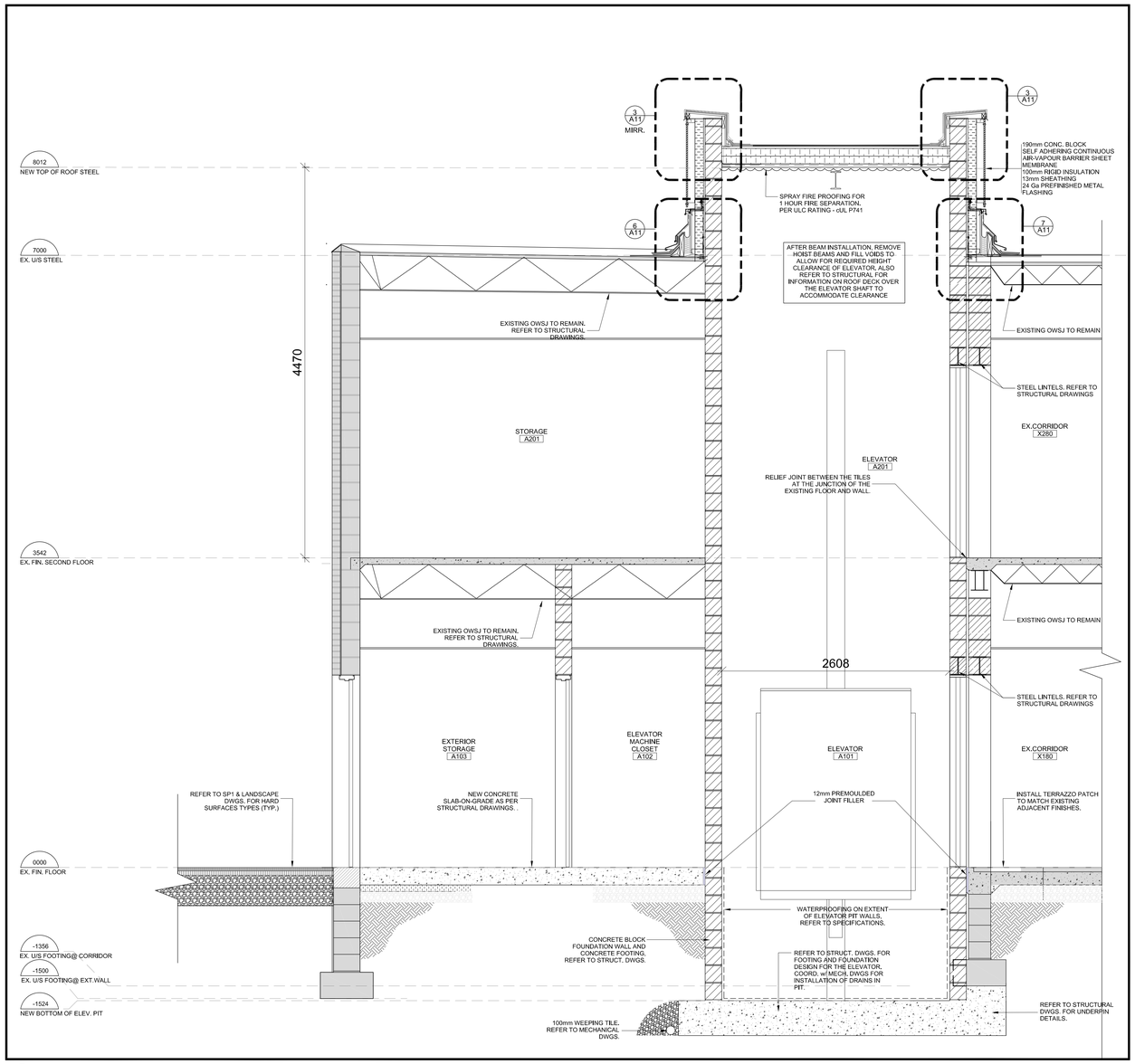



3 A11 ENLARGED DETAIL -PARAPET @ SIDING
SCALE 1:10




2 A11 PARTIAL BUILDING SECTION B-B
SCALE 1:25




1 A11 PARTIAL BUILDING SECTION A-A
SCALE 1:25

| NO | ISSUED | DATE |
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ONTARIO ASSOCIATION OF ARCHITECTS
TYMOTHEA HOSSACK
LICENCE
7189
JUNE 5, 2026

BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

peel District School Board

BUILDING SECTION & DETAILS

HOSSACK
ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

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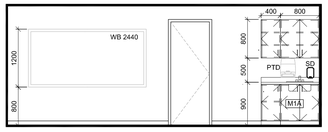
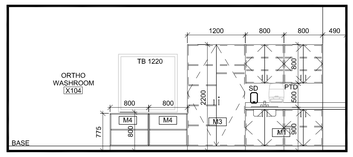
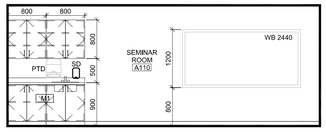
| SCALE | AS SHOWN |
| PROJECT | 26105 |
| DATE | MARCH 2026 |
| DRAWN | GY |
| CHECKED | ST |
| DRAWING | A11 |
| PRINT DATE | MARCH 4, 2026 |
| CAD FILE | T:\26105\02 |




11 A12 INT.ELE. -A204
SCALE 1:50




10 A12 INT.ELE. -X104
SCALE 1:50

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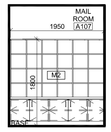
SCALE 1:50

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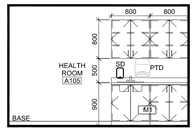
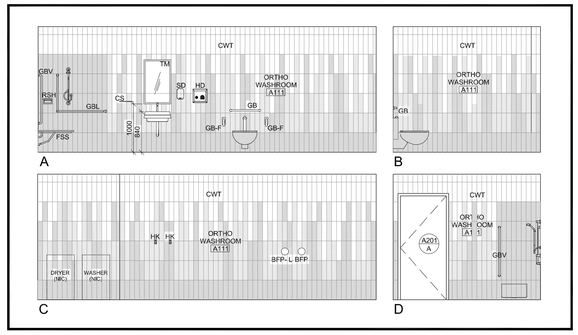
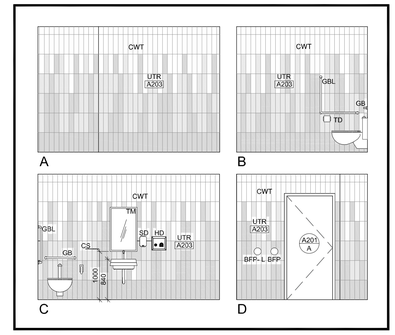
SCALE 1:50




7 A12 INT.ELE. -A101
SCALE 1:50



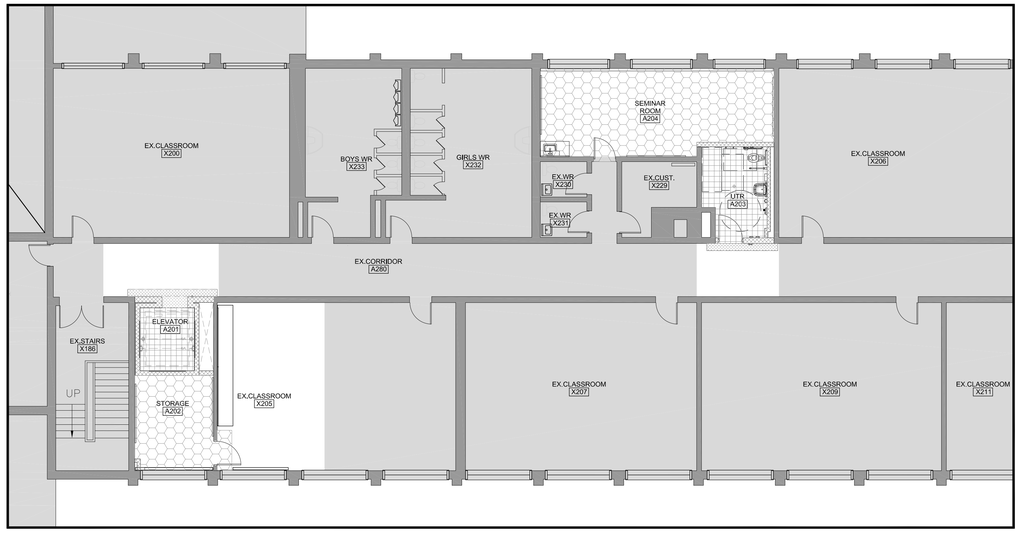

4 A12 INTERIOR ELEVATIONS - ORTHO WASHROOM A111
SCALE 1:50



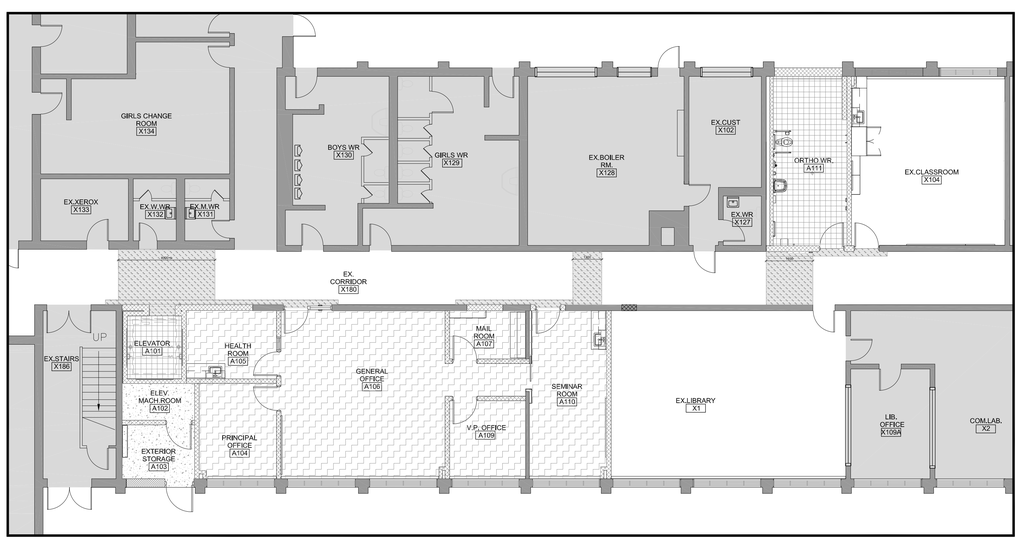

3 A12 INTERIOR ELEVATIONS - UTR A203
SCALE 1:50

**MATERIAL LEGEND**

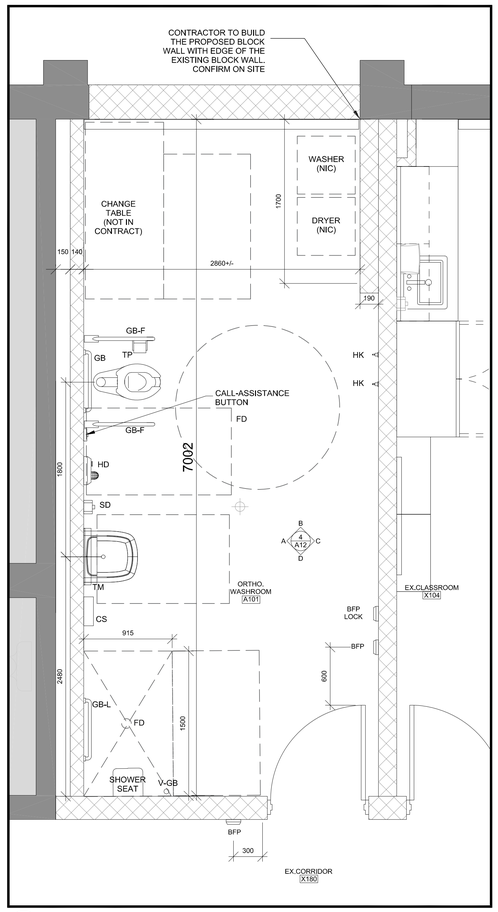
| | | |
|---|---|---|
| POR 1 | PORCELAIN TILE 1 | |
| POR 2 | PORCELAIN TILE 2 | |
| VCT | VINYL COMPOSITION TILE | |
| EPWM | EPOXY FLOORING | |
| TER | TERRAZZO FLOORING | |
| LVT | LUXURY VINYL TILE | |



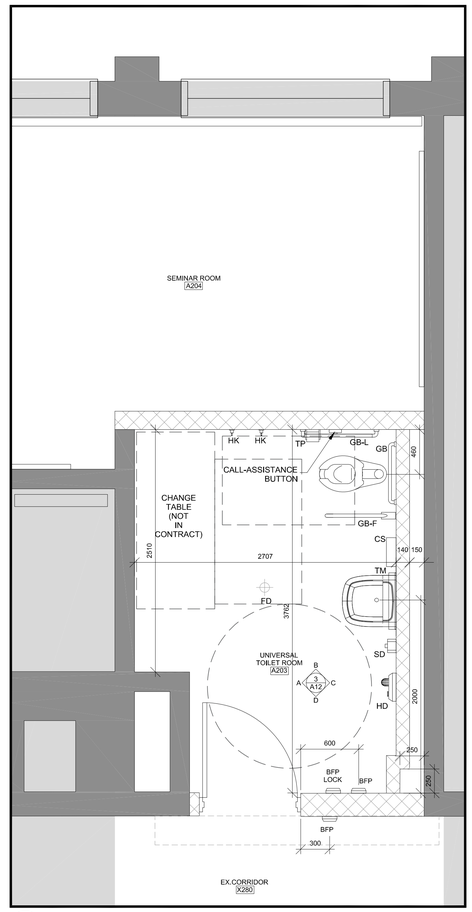

6 A12 PARTIAL GROUND FLOOR - PROPOSED FLOOR PLAN
SCALE 1:100




5 A12 PARTIAL GROUND FLOOR - PROPOSED FLOOR PLAN
SCALE 1:100




2 A12 ENLARGED FLOOR PLAN - GROUND FLOOR ORTHO WR
SCALE 1:25




1 A12 ENLARGED FLOOR PLAN - SECOND FLOOR UTR
SCALE 1:25

PROJECT NORTH
TRUE NORTH

| NO | ISSUED | DATE |
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ONTARIO ASSOCIATION OF ARCHITECTS
KYRIAKOS TSIOUMAS
LICENCE 7199
JUNE 5, 2026

BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

peel District School Board

ENLARGED WASHROOM FLOOR PLANS, INTERIOR ELEVATIONS AND FLOOR PATTERN PLAN

HOSSACK ARCHITECTURE
105 - 1939 IRONOAK WAY
OAKVILLE ON L6H 3V8
(905) 815-8284 admin@hossackarch.com

| | |
|---|---|
| SCALE | AS SHOWN |
| PROJECT | 26105 |
| DATE | MARCH 2026 |
| DRAWN | GY |
| CHECKED | ST |
| DRAWING | A12 |
| PRINT DATE | MARCH 4, 2026 |
| CAD FILE | T\26105\02 |

## GENERAL NOTES

1. *CHECK ALL DIMENSIONS ON THESE DRAWINGS WITH ALL OTHER DRAWINGS, INCLUDING BUT NOT LIMITED TO DRAWINGS PREPARED ARCHITECTURAL, MECHANICAL OR ELECTRICAL CONSULTANTS. REPORT ANY INCONSISTENCIES TO THE ENGINEER PRIOR TO COMMENCING WITH THE WORK. DO NOT SCALE THE DRAWINGS.*
2. *THE DESIGN LIVE LOADS ARE INDICATED ON THE DRAWINGS. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LOADS.*
3. *THE COMPLETED STRUCTURE IS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING, SHORING AND ANY OTHER TEMPORARY OR PERMANENT MEASURES AS REQUIRED DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORT OF EXISTING OR ADJACENT STRUCTURES AS REQUIRED. ALL BRACING AND SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR.*
4. *CONSTRUCTION FEATURES NOT FULLY SHOWN ARE COMPARABLE TO SIMILAR CONDITION DETAILS.*
5. *REFER TO OTHER CONSULTANTS DRAWINGS FOR DETAILS OF OPENINGS, PITS, CHAMFERS, DEPRESSIONS NOT INDICATED ON THE STRUCTURAL DRAWINGS.*
6. *ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE LATEST ONTARIO BUILDING CODE, LATEST APPLICABLE REGULATIONS AND GOOD CONSTRUCTION PRACTICES.*
7. *THE STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS AND SPECIFICATIONS.*
8. *CLARIFY ANY QUERIES WITH THE ENGINEER REGARDING THE INTERPRETATION OF THE DRAWINGS, PRIOR TO THE COMMENCEMENT OF ANY WORK.*

## SUBMITTALS

1. *SUBMIT FOR REVIEW BY THE CONSULTANT, DETAILED SHOP DRAWINGS FOR ALL STRUCTURAL WORK INCLUDING, BUT NOT LIMITED TO; REINFORCING STEEL, STRUCTURAL STEEL AND TEMPORARY SHORING.*
2. *THE SCALE OF THE DRAWINGS SHALL BE SUCH THAT THE DETAILS OF THE STRUCTURAL WORK ARE CLEARLY SHOWN, AND IN NO CASE SMALLER THAN 3/4"=1'-0" (1:50).*
3. *THE STRUCTURAL DRAWINGS SHALL NOT BE REPRODUCED, IN WHOLE OR IN PART, FOR USE AS SHOP DRAWINGS.*
4. *EACH DRAWING SUBMITTED FOR CONCRETE FORMWORK, STRUCTURAL STEEL AND TEMPORARY SHORING SHALL BEAR THE SEAL AND SIGNATURE OF A QUALIFIED PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO.*
5. *CONTRACTOR SHALL ALLOW FOR A 5 WORKING DAY TURN AROUND TIME FOR STRUCTURAL CONSULTANT TO REVIEW THE SHOP DRAWINGS.*

## DRAWING LIST

| DRAWING NO. | DRAWING NAME: |
|---|---|
| S0.0 | COVER PAGE |
| S1.0 | FOUNDATION PLANS |
| S2.0 | FOUNDATION SECTIONS |
| S3.0 | DEMOLITION PLANS |
| S3.1 | PROPOSED PLANS |
| S4.0 | TYP. DETIALS AND SECTIONS |

## STRUCTURAL STEEL NOTES

1. *ALL STRUCTURAL STEEL ELEMENTS, INCLUDING DESIGN OF ELEMENTS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH CAN/CSA S16.*
2. *ALL STRUCTURAL STEEL SHALL CONFORM TO CSA G40.21 (300W) EXCEPT W SECTIONS AND PLATES G40.21 (350W), HSS MEMBERS G40.21 (350W) CLASS C OR ASTM A500 GRADE C, ANCHOR BOLTS ASTM A307, COLD FORM SECTIONS ASTM A570M GRADE 350W. UNLESS OTHERWISE NOTED, ALL SECTIONS SHALL BE PRIME PAINTED WITH THE SURFACE PREPARATION AND PAINTING PROCEDURES IN ACCORDANCE WITH CAN/CGSB 85.10.*
3. *ALL WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH CAN/CSA W59. THE STEEL FABRICATOR SHALL BE FULLY QUALIFIED UNDER THE REQUIREMENTS BY THE CANADIAN WELDING BUREAU IN CONFORMANCE WITH CAN/CSA W47.1.*
4. *DESIGN ALL MOMENT AND SHEAR CONNECTIONS FOR THE FULL CAPACITY OF THE SMALLER MEMBER IN THE CONNECTION UNLESS OTHERWISE NOTED.*
5. *PROVIDE MINIMUM BEARING LENGTH OF STEEL MEMBERS AS FOLLOWS:*
   - *ON MASONRY – 6"*
   - *ON STEEL – 4"*
6. *THE BASE PLATE AND BEARING PLATE GROUT SHALL BE OF THE CEMENTITIOUS NON-SHRINK TYPE.*
7. *DECK SHALL BE EITHER 1½" OR 3" DEEP IN ACCORDANCE WITH CSA S136 AND SHALL BE FABRICATED FROM ASTM A653 SS GRADE 230 GALVANIZED STEEL WITH A Z775 GALVANNEAL OR Z275 GALVANIZED ZINC COATING. THE MINIMUM NOMINAL STEEL CORE THICKNESS SHALL BE 0.0299". STEEL DECK SHALL BE FASTENED TO THE SUPPORT STRUCTURE WITH ¾" SPOT WELDS AT NOT MORE THAN 12" c/c (6" c/c AT PERIMETER). CLINCH SIDELAPS AT 24" c/c. ALL WELDS TO BE TOUCHED UP WITH PRIMER. MECHANICAL FASTENERS MAY ONLY BE USED WITH THE PERMISSION OF THE ENGINEER.*
8. *PROVIDE MINIMUM 7"x5"x7" BEARING PLATES FOR ALL STRUCTURAL STEEL c/w 2–¾"Ø ANCHORS UNLESS OTHERWISE NOTED.*
9. *ALL BOLTS SHALL BE TIGHTENED WITH A SUITABLE TORQUE WRENCH IN ACCORDANCE WITH CSA S16.*
10. *ALL STEEL EXPOSED TO THE EXTERIOR TO BE HOT DIP GALVANIZED.*
11. *ERECT STRUCTURAL STEEL IN ACCORDANCE WITH CSA S16 AND IN CONFORMANCE WITH THE APPROVED SHOP DRAWINGS.*

## STAIR RAILING NOTE:

1. *THE HANDRAILS MUST BE DESIGNED TO WITHSTAND LOADING AS SPECIFIED IN O.B.C. DIV. B ARTICLE 3.4.6.4. & GUARD RAILS MUST BE DESIGNED TO WITHSTAND LOADING AS SPECIFIED IN ARTICLES 4.1.5.15. & 4.1.5.17. SHOP DRAWINGS ARE TO BE STAMPED BY A PROFESSIONAL ENGINEER*

## CONCRETE NOTES

1. *ALL STRUCTURAL CONCRETE ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH CSA STANDARD CAN/CSA A23.3. ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH CSA STANDARD CAN/CSA A23.1.*
2. *MINIMUM CONCRETE STRENGTH AT 28 DAYS SHALL BE:*
   - *FOOTINGS – 25 MPa TYPE N*
   - *FOUNDATION WALLS – 25 MPa TYPE F2*
   - *SLAB ON GRADE – 25 MPa TYPE N*

   *SLUMP SHALL BE 3" ± 1".*
   *AGGREGATE SHALL BE ¾" MAXIMUM.*
   *AIR ENTRAINMENT TO BE 6% ± 1% WHEN EXPOSED TO EXTERIOR.*
   *CONTRACTOR TO SUBMIT CONCRETE MIX DESIGN FOR REVIEW*
3. *THE DEFORMED REINFORCING STEEL SHALL CONFORM TO CSA STANDARD G30.18M–09 GRADE 300R FOR STIRRUPS AND TIES AND GRADE 400R FOR ALL OTHER REINFORCING. UNLESS OTHERWISE NOTED THE REINFORCING LAP LENGTH SHALL BE 'CLASS B' IN SPLICES. ALL REINFORCING HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH A23.1.*
4. *WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH CSA G30.5. ALL MESH SHALL BE CHAIRED PRIOR TO THE CONCRETE POUR. LIFTING OF THE MESH DURING THE CONCRETE POUR WILL NOT PERMITTED. ALL SPLICES SHALL BE A MINIMUM OF TWO CROSSWIRE SPACINGS PLUS 2".*
5. *THE REINFORCING COVER FOR CONCRETE SHALL BE:*
   - *3" FOR CONCRETE AGAINST EARTH*
   - *1½" FOR FORMED CONCRETE EXPOSED TO EARTH OR WEATHER WHERE THE REINFORCING BAR IS 15M OR SMALLER*
   - *2" FOR FORMED CONCRETE EXPOSED TO EARTH OR WEATHER WHERE THE REINFORCING BAR IS 20M OR LARGER*
   - *1" FOR INTERIOR CONCRETE. ALL CHAIRS, BOLSTERS, SPACERS AND BAR SUPPORTS SHALL BE IN ACCORDANCE WITH A23.1.*
6. *FOOTINGS SHALL BEAR ON NATIVE UNDISTURBED SOIL WITH A MINIMUM BEARING RESISTANCE OF:*
   - *3000 psf (SLS)*
   - *4000 psf (ULS).*

   *THE CONTRACTOR SHALL VERIFY THE CAPACITY PRIOR TO PLACEMENT OF CONCRETE.*
7. *THE LINE OF SLOPE BETWEEN ADJACENT FOOTINGS OR EXCAVATION OR STEP DOWN FOOTINGS SHALL NOT EXCEED A RISE OF 7 IN A RUN OF 10. STEP HEIGHT SHALL NOT EXCEED 2'-0".*
8. *KEEP EXCAVATIONS DRY BEFORE CONCRETE IS PLACED. REMOVE ALL LOOSE MATERIAL, SOFT SOIL OR WATER PRIOR TO PLACING CONCRETE. PROVIDE A 3" MUD MAT FOR ALL FOOTINGS BELOW THE WATER TABLE.*
9. *ALL FOOTINGS SHALL BE CENTRED ON THE WALL UNLESS OTHERWISE NOTED.*
10. *THE FOOTING DESIGN IS BASED ON INFORMATION AVAILABLE AT THE TIME OF DESIGN. THE FOOTING DESIGN MAY BE ALTERED DURING CONSTRUCTION, IF THE SITE CONDITIONS WARRANT, BUT ONLY WITH THE EXPRESS PERMISSION OF THE ENGINEER.*
11. *PROTECT ALL FOOTINGS, WALLS AND SLABS AGAINST FROST ACTION DURING CONSTRUCTION. ALL EXTERIOR FOOTINGS SHALL FOUNDED BELOW THE FROST LINE, MINIMUM 5'-0" BELOW GRADE.*
12. *DO NOT BACKFILL AGAINST WALLS RETAINING EARTH UNTIL THE ELEMENTS PROVIDING LATERAL SUPPORT ARE COMPLETE. PLACE BACKFILL IN A MANNER WHERE THE ELEVATION DIFFERENCE ON EITHER SIDE OF THE WALL IS NO GREATER THAN 1'-6". PROVIDE TEMPORARY SHORING AS REQUIRED.*
13. *SLAB-ON-GRADE GRADE CONSTRUCTION SHALL BE CAPABLE OF SUPPORTING 500 lbs/ft² WITHOUT RELATIVE SETTLEMENT.*
14. *CONSTRUCT CONCRETE WALLS WITHOUT CONTROL JOINTS, UNLESS OTHERWISE NOTED. PROVIDE CHASES AND BEAMS POCKETS IN THE INTERIOR FACE OF THE WALL AS REQUIRED.*
15. *PROVIDE DOWELS TO WALLS AND COLUMNS TO SUIT THE REINFORCING IN THE WALL OR COLUMN ABOVE.*
16. *ALL ADHESIVE ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE HILTI HIT-HY200 (OR APPROVED EQUAL) PROCEDURES.*

## MASONRY NOTES

1. *ALL STRUCTURAL ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH CSA STANDARD S304.1, ALL MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH CSA STANDARD A371, ALL MASONRY CONNECTORS, REINFORCING AND TYING SHALL BE IN ACCORDANCE WITH CSA A370. ALL MORTAR AND GROUT SHALL BE IN ACCORDANCE WITH A179.*
2. *ALL CONCRETE BLOCKS SHALL BE NORMAL WEIGHT TYPE H/15/A/M UNLESS OTHERWISE NOTED. MORTAR SHALL BE TYPE S FOR LOADBEARING AND TYPE N FOR NON-LOADBEARING.*
3. *VERTICAL CONTROL JOINTS SHALL BE PROVIDED AT A MAXIMUM SPACING OF 20'-0". REFER TO ARCHITECTURAL DRAWING FOR DETAILS AND LOCATIONS.*
4. *TRIM ALL OPENINGS WITH 2–15M BARS.*
5. *GROUT SHALL CONSIST OF ON ONE PART PORTLAND CEMENT, THREE PARTS SAND (MAXIMUM AGGREGATE SIZE SHALL BE 3/8") WITH WATER TO PROVIDE A MINIMUM 10MPa COMPRESSIVE STRENGTH AT 28 DAYS. SLUMP SHALL BE 8" TO 10".*
6. *ALL CELLS CONTAINING REINFORCING SHALL BE GROUTED SOLID. TWO BLOCK COURSES BELOW BEARING PLATES SHALL BE GROUTED SOLID.*
7. *THE MASONRY SHALL BE CONSTRUCTED EVENLY WITH MAXIMUM LIFTS OF 1200 PER DAY. DO NOT TOOTH AND BOND OR STACK BOND MASONRY. RAKE BACK ENDS OF UNFINISHED WALLS.*
8. *ALL MORTAR JOINTS SHALL BE TOOLED (CONCAVE). A MINIMUM BED JOINT OF ¾" IS REQUIRED FOR THE STARTING COURSE TO A MAXIMUM OF 1¼". THE BED JOINTS SHALL BE ½".*
9. *PROVIDE VERTICAL AND HORIZONTAL REINFORCING AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS.*
   - *6" CONCRETE BLOCK – 10M VERTICAL AT 24" O.C. & HEAVY DUTY TRUSS TYPE HORIZONTAL REINFORCING EVERY SECOND COURSE.*
   - *8" CONCRETE BLOCK – 15M VERTICAL AT 32" O.C. & HEAVY DUTY TRUSS TYPE HORIZONTAL REINFORCING EVERY SECOND COURSE.*
   - *10" CONCRETE BLOCK – 20M VERTICAL AT 24" O.C. & HEAVY DUTY TRUSS TYPE HORIZONTAL REINFORCING EVERY COURSE.*
   - *12" CONCRETE BLOCK – 20M VERTICAL AT 24" O.C. & HEAVY DUTY TRUSS TYPE HORIZONTAL REINFORCING EVERY COURSE.*
10. *THE HORIZONTAL REINFORCING AT EXTERIOR WALLS SHALL BE GALVANIZED. DO NOT EXTEND HORIZONTAL REINFORCING THROUGH CONTROL JOINTS UNLESS OTHERWISE NOTED.*
11. *PROVIDE A STEEL LINTEL OVER ALL OPENINGS OR RECESSES INCLUDING OPENINGS FOR MECHANICAL AND ELECTRICAL COMPONENTS. ALL EXTERIOR LINTELS TO BE HOT DIP GALVANIZED.*
12. *BUILD THE MASONRY SOLID AROUND ALL BEAM, LINTEL AND JOIST POCKETS. INSTALL BEARING PLATES AT THE SPECIFIED ELEVATION AND GROUT THE PLATE INTO THE WALL A MINIMUM OF 16".*
13. *PROVIDE TEMPORARY BRACING AS REQUIRED TO SUPPORT THE MASONRY WALLS IN CONSTRUCTION. PROTECT THE MASONRY WALLS FROM THE ELEMENTS AT ALL TIMES EXCEPT DURING CONSTRUCTION PROGRESS.*

## TESTING AND INSPECTIONS

1. *THIRD-PARTY TESTING AND INSPECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS AND AS NOTED BELOW. TESTING AND INSPECTION REQUIREMENTS NOTED IN THE PROJECT SPECIFICATIONS SHALL SUPERSEDE THE FOLLOWING REQUIREMENTS.*
2. *TESTING OF THE FOOTING SUBGRADE SHALL BE PROVIDED PRIOR TO ALL CONCRETE POURS TO ENSURE CONFORMANCE WITH THE BEARING CAPACITIES NOTED IN THESE PLANS AND IN THE GEOTECHNICAL REPORT. KALOS ENGINEERING INC. SHALL BE NOTIFIED IMMEDIATELY IF EXCAVATIONS ARE REQUIRED TO EXTEND BELOW THE NOTED FOUNDING ELEVATIONS.*
3. *CONCRETE REINFORCING SHALL BE INSPECTED FOR CONFORMANCE TO THE STRUCTURAL DRAWINGS PRIOR TO EVERY CONCRETE POUR.*
4. *COMPRESSION TESTING OF CONCRETE SHALL BE IN ACCORDANCE WITH CSA A23.1. A MINIMUM OF ONE STRENGTH TEST SHALL BE COMPLETED FOR EACH 100 m³ OF CONCRETE PLACED AND A MINIMUM OF ONE TEST PER DAY SHALL BE COMPLETED FOR CONCRETE OF A SINGLE MIX DESIGN. TESTS SHALL CONSIST OF ONE SET OF FOUR CYLINDERS.*
5. *THE COMPRESSIVE STRENGTH OF CONCRETE BLOCKS SHALL BE TESTED A MINIMUM OF ONCE PER FLOOR IN ACCORDANCE WITH CSA A165.1. A MINIMUM OF FIVE UNITS OF EACH SIZE OF CONCRETE BLOCK SHALL BE TESTED.*
6. *MORTAR CUBE COMPRESSIVE STRENGTH SHALL BE TESTED AT LEAST ONCE FOR EACH 500 m² OF MASONRY FOR A PROJECT HAVING MORE THAN 500 m² OF MASONRY AND ONCE FOR EACH 250 m² OF MASONRY FOR A PROJECT HAVING LESS THAN 500 m² OF MASONRY. FOUR SAMPLES SHALL BE TAKEN FOR EACH TEST.*
7. *GROUT COMPRESSIVE STRENGTH SHALL BE TESTED AT LEAST ONCE FOR EACH 20 m³ OF GROUT FOR A PROJECT HAVING MORE THAN 20 m³ OF GROUT AND ONCE FOR EACH 10 m³OF GROUT FOR A PROJECT HAVING LESS THAN 20 m³ OF GROUT. FOUR SAMPLES SHALL BE TAKEN FOR EACH TEST.*

## DEMOLITION NOTES

1. *REFER TO DRAWINGS S1.0 AND S3.0 FOR DEMOLITION EXTENTS.*
2. *EXISTING STRUCTURAL INFORMATION SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY.*
3. *CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS.*
4. *ERECT BARRICADES & FENCING TO PROTECT THE PUBLIC & NEIGHBOURING PROPERTIES FROM DEBRIS & CONSTRUCTION TRAFFIC.*
5. *SHORE EXISTING STRUCTURE AS REQUIRED UNTIL DEMOLITION IS COMPLETE. ENGINEERED SHORING DRAWINGS SHALL BE PROVIDED FOR REVIEW.*
6. *ALL FOUNDATIONS ARE TO BE REMOVED COMPLETELY. UPFILL VOIDS PER THE CONTRACT SPECIFICATIONS.*
7. *THE CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF THE MINISTRY OF LABOUR, TSSA, WSIB, AND ENSURE A SAFE CONSTRUCTION SITE.*

## SHORING NOTES

1. *INFILL EXISTING BLOCK AT ABANDONED DUCT OPENINGS.*
2. *PROVIDE SHORING AND BREAK OPEN EXISTING WALL, AND PROVIDE STEEL LINTEL AS PER TYPICAL LINTEL SCHEDULE AT ALL NEW DUCT OPENINGS. MAKE GOOD EXISTING BLOCK AS REQUIRED. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS AND QUANTITIES.*
3. *INFILL EXISTING OPENINGS IN ROOF DECK AS REQUIRED TO MATCH EXISTING. NOT ALL LOCATIONS SHOWN ON PLAN.*
4. *PROVIDE FRAMING FOR ALL FLOOR & ROOF OPENINGS AS PER TYP. DETAIL. REFER TO MECHANICAL FOR LOCATIONS.*
5. *SHORING SHALL BE, BUT MAY NOT BE LIMITED TO NEEDLE SHORING. CONTRACTOR TO PROVIDE TEMPORARY SHORING AS REQUIRED TO SUIT PROPOSED SCOPE OF WORK.*
6. *THE CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITION AND REPORT ANY DISCREPANCIES FROM THE STRUCTURAL DRAWINGS PRIOR TO CONSTRUCTION.*

## DEAD LOADS

### DEAD LOAD ROOF

| | |
|---|---|
| – ROOFING | 0.35 kPa |
| – INSULATION | 0.15 kPa |
| – STEEL DECK | 0.15 kPa |
| – FRAMING | 0.20 kPa |
| – M&E | 0.25 kPa |
| – CEILING | 0.20 kPa |
| – SOLAR PANELS | 0.50 kPa |
| TOTAL: | 1.80 kPa (37.6 PSF) |

### DEAD LOAD SECOND FLOOR

| | |
|---|---|
| – FLOORING | 0.25 kPa |
| – STEEL DECK | 0.15 kPa |
| – 75mm CONCRETE TOPPING | 1.80 kPa |
| – FRAMING | 0.20 kPa |
| – M&E | 0.25 kPa |
| – CEILING | 0.20 kPa |
| – PARTITION WALLS | 1.00 kPa |
| TOTAL | 3.85 kPa (80.4 PSF) |

## LOADING SUMMARY

### DESIGN STANDARDS

- ONTARIO BUILDING CODE, 2024, PART 4: STRUCTURAL DESIGN
- CAN/CSA-A23.3–19, DESIGN OF CONCRETE STRUCTURES
- CAN/CSA-A23.4–16, DESIGN OF PRECAST CONCRETE STRUCTURES
- CAN/CSA-S304.1–14, MASONRY DESIGN FOR BUILDINGS
- CAN/CSA-S16–19, LIMIT STATES DESIGN OF STEEL STRUCTURES
- CAN/CSA-S136–16, DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS
- CAN/CSA-O86–24, ENGINEERING DESIGN IN WOOD

### SNOW, ICE AND RAIN LOADS

*APPLIED PER OBC, PART 4, SECTION 4.1.6*

- IMPORTANCE FACTOR, Is 0.9 (SLS) 1.15 (ULS)
- GROUND SNOW LOAD, Ss 1.1 kPa (22.88 PSF)
- ASSOCIATED RAIN LOAD, Sr, 0.4 kPa (8.35 PSF)
- WIND EXPOSURE FACTOR, Cw, 1.0
- ROOF SNOW LOAD, S, 1.47 kPa (30.69 PSF)
- DRIFT LOADS PER CLAUSE 4.1.6.2.8
- SLOPE FACTORS PER CLAUSE 4.1.6.2.(5) TO (7)

### WIND LOADS

*APPLIED PER OBC, PART 4, SECTION 4.1.7*

- IMPORTANCE FACTOR, Iw 0.75 (SLS) 1.15 (ULS)
- REFERENCE VELOCITY PRESSURE FOR STRUCTURAL MEMBERS
  0.44 kPa 1/50 YEAR PROBABILITY (9.19 PSF)
- REFERENCE VELOCITY PRESSURE FOR CLADDING & NON-STRUCTURAL MEMBERS
  0.34 kPa 1/10 YEAR PROBABILITY (7.1 PSF)
- GUST FACTORS Cg:
  2.0 FOR WHOLE & MAIN STRUCTURAL MEMBERS
  2.5 FOR SMALL ELEMENTS INCLUDING CLADDING
  2.0 FOR INTERNAL PRESSURES
- BUILDING INTERNAL PRESSURE CATEGORY 2, PER NBC 2010 STRUCTURAL COMMENTARY (PART B), COMMENTARY B.

### SEISMIC LOADS

*APPLIED PER OBC, PART 4, SECTION 4.1.8*

- IMPORTANCE FACTOR, Is 1.3 (ULS)

| | |
|---|---|
| Sa(0.2) | 0.363 |
| Sa(0.5) | 0.311 |
| Sa(1.0) | 0.178 |
| Sa(2.0) | 0.0832 |
| Sa(5.0) | 0.0217 |
| Sa(10.0) | 0.00671 |
| PGA | 0.227 |
| PGV | 0.201 |
| SOIL CLASS | D |
| SEISMIC CATEGORY | SC3 |

### FLOOR LOADS

*APPLIED PER OBC, PART 4, TABLE 4.1.5.3*

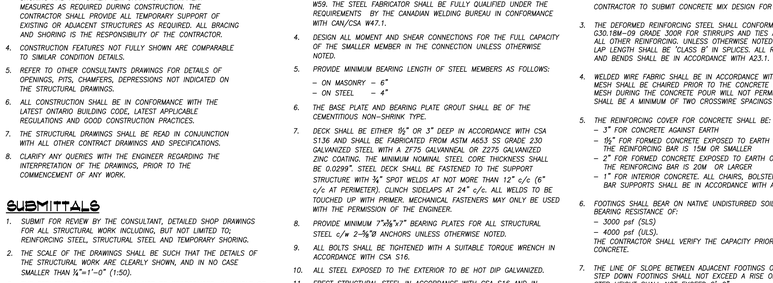
| | | |
|---|---|---|
| – CLASSROOMS | 2.4 kPa | (50 PSF) |
| – WASHROOMS | 4.8 kPa | (100 PSF) |
| – STORAGE | 4.8 kPa | (100 PSF) |
| – CORRIDOR | 4.8 kPa | (100 PSF) |
| – MECHANICAL | 3.6 kPa | (75 PSF) |

### SEISMIC SWAY BRACING

*PER ARTICLE 4.1.8.18 (2) OF THE ONTARIO BUILDING CODE SEISMIC SWAY BRACING DOES NOT APPLY TO NON-STRUCTURAL COMPONENTS AND EQUIPMENT SHOULD THE BUILDING BE IN SEISMIC CATEGORY SC1 OR SC2. THIS EXEMPTION IS NOT APPLICABLE TO POST-DISASTER BUILDING. THE SEISMIC CATEGORY FOR THIS BUILDING IS SC3, THEREFORE SEISMIC SWAY BRACING OF NON-STRUCTURAL COMPONENTS AND EQUIPMENT IS REQUIRED.*

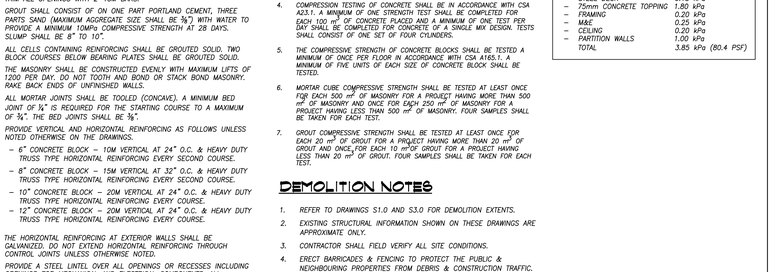
## KEI ABBREVIATIONS

| | |
|---|---|
| ARCH. | ARCHITECTURAL (DRAWINGS) |
| BLK. | BLOCK |
| BLL | BOTTOM LOWER LAYER |
| BM. | BEAM |
| BOT. | BOTTOM |
| BUL | BOTTOM UPPER LAYER |
| CONC. | CONCRETE |
| CONT. | CONTINUOUS |
| c/c | CENTRE TO CENTRE |
| DWGS. | DRAWINGS |
| E.F. | EACH FACE |
| ELEV. | ELEVATION |
| E.S. | EACH SIDE |
| E.W. | EACH WAY |
| EX. | EXISTING |
| FDN. | FOUNDATION |
| FFE | FINISHED FLOOR ELEVATION |
| FLR. | FLOOR |
| FT. | FOOT |
| GALV. | GALVANIZED |
| HOR. | HORIZONTAL |
| H.O.F. | HORIZONTAL OUTSIDE FACE |
| H.I.F. | HORIZONTAL INSIDE FACE |
| H.E.F. | HORIZONTAL EACH FACE |
| I.F. | INSIDE FACE |
| LLH | LONG LEG HORIZONTAL |
| LLV | LONG LEG VERTICAL |
| LDH | LONG DIMENSION HORIZONTAL |
| LDV | LONG DIMENSION VERTICAL |
| MAX. | MAXIMUM |
| MECH. | MECHANICAL |
| MIN. | MINIMUM |
| NTS | NOT TO SCALE |
| ø | DIAMETER |
| o.c. | ON CENTER |
| O.F. | OUTSIDE FACE |
| OWSJ | OPEN WEB STEEL JOIST |
| PL | PLATE |
| REINF. | REINFORCING |
| STD. | STANDARD |
| STL. | STEEL |
| T&B | TOP AND BOTTOM |
| T&G | TONGUE AND GROOVE |
| TLL | TOP LOWER LAYER |
| T.O.S. | TOP OF STEEL |
| TUL | TOP UPPER LAYER |
| TYP. | TYPICAL |
| U/S | UNDERSIDE |
| U.N.O. | UNLESS NOTED OTHERWISE |
| VERT. | VERTICAL |
| V.O.F. | VERTICAL OUTSIDE FACE |
| V.I.F. | VERTICAL INSIDE FACE |
| V.E.F. | VERTICAL EACH FACE |
| w/ | WITH |
| WT. | WEIGHT |
| S.L. | STEEL LINTEL |
| S.S.L | STEEL STUD LINTEL |



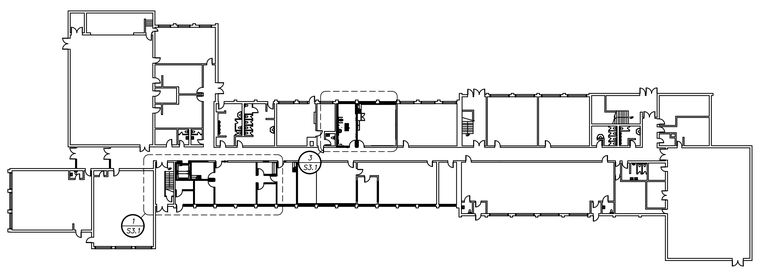

SECOND FLOOR DEMOLITION - KEYPLAN

*SCALE N.T.S*



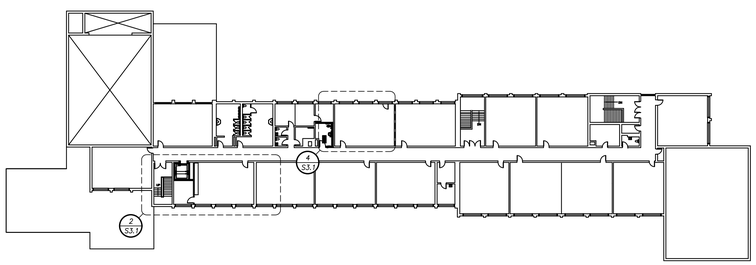

ROOF FRAMING DEMOLITION - KEYPLAN

*SCALE N.T.S*




SECOND FLOOR PROPOSED - KEYPLAN

*SCALE N.T.S*




ROOF FRAMING PROPOSED - KEYPLAN

*SCALE N.T.S*

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 4 | ISSUED FOR TENDER | 05-25-26 |
| 3 | ISSUED FOR BUILDING PERMIT | 04-27-26 |
| 2 | ISSUED FOR COORDINATION | 04-20-26 |
| 1 | ISSUED FOR 50% CD | 04-06-26 |

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT; AND MUST REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.

KALOS Engineering Inc.
300 YORK BOULEVARD, HAMILTON, ONTARIO L8R 3K8, 905-333-8119

BURNHAMTHORPE PUBLIC SCHOOL ELEVATOR & RENOVATIONS
3465 GOLDEN ORCHARD DRIVE, MISSISSAUGA, ON L4Y 3H7

LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

COVER PAGE

HOSSACK & ASSOCIATES ARCHITECTS
4-2760 SLADEN DRIVE, MISSISSAUGA, ONTARIO L5L 5M6
Tel (905) 607-8264 Fax (905) 607-8290

| | |
|---|---|
| SCALE AS NOTED | PROJECT 26020 |
| DATE 03/31/26 | |
| DRAWN PP | DRAWING S0.0 |
| CHECKED RA | |
| PRINT DATE | 2026-04-06 |
| REVIT FILE | |

LICENSED PROFESSIONAL ENGINEER
R. W. ABDULLAH
100514628
2026-05-25
project#26020
PROVINCE OF ONTARIO

## FOUNDATION PLAN - DEMOLITION

SCALE 1:30

CONST. NORTH
TRUE NORTH

## DEMOLITION NOTES

D1
- CAREFULLY SAW-CUT AND REMOVE EXISTING NON-LOAD BEARING BLOCK WALL ASSEMBLY AND BASE COMPLETELY (FLOOR TO UNDERSIDE OF DECK).
- PATCH AND MAKE GOOD ADJACENT FLOOR SLAB AND WALLS AS REQUIRED FOR THE NEW ROOM LAYOUT.
- REFER TO ARCHITECTURAL FOR EXTENTS.

D2
- REMOVE EXISTING METAL STUD WALL AND BASE COMPLETELY (FLOOR TO UNDERSIDE OF DECK)
- PATCH AND MAKE GOOD ADJACENT FLOOR SLAB AND WALLS AS REQUIRED FOR THE NEW ROOM LAYOUT.
- REFER TO ARCHITECTURAL FOR EXTENTS.

D3
- PATCH ALL EXISTING HOLES IN CONCRETE BLOCK WALLS
- REFER TO ARCHITECTURAL FOR EXTENTS.

D4
- DOOR TO BE REMOVED.
- SAW-CUT CONCRETE BLOCK 300mm BEYOND EACH SIDE OF THE EXISTING FRAME TO ELIMINATE THE BULLNOSE CORNERS ON THE CORRIDOR SIDE. PATCH AND MAKE GOOD THE REMAINING WALL SURFACES AS REQUIRED.
- PROVIDE NEW WALL INFILL.
- COORDINATE WITH THE NEW PROPOSED PLAN FOR THE NEW WALL.
- REFER TO ARCHITECTURAL FOR EXTENTS.

D5
- CAREFULLY SAW-CUT AND REMOVE EXISTING BLOCK WALL ASSEMBLY AND BASE TO THE EXTENT SHOWN ON THE DRAWINGS FOR PROPOSED DOOR AND FRAME INSTALLATION.
- PROVIDE NEW S.L. (STEEL LINTEL).
- PATCH AND MAKE GOOD ADJACENT FLOOR SLAB, WALLS, FRAMING AND COLUMNS.
- REFER TO ARCHITECTURAL FOR EXTENTS.

D6
- CAREFULLY SAW-CUT AND REMOVE A PORTION OF EXISTING OWSJ. REFER TO THE RESPECTIVE SECTION IN S4.0
- PATCH AND MAKE GOOD ADJACENT FLOOR SLAB, WALLS, FRAMING AND COLUMNS.
- REFER TO ARCHITECTURAL FOR EXTENTS.

D7
- XRAY EXISTING CONCRETE SLAB ON GRADE FOR SERVICES PRIOR TO CUTTING.
- NEATLY SAW-CUT AND REMOVE PORTION OF EXISTING SLAB ON GRADE INCLUDING SUB-BASE AND EARTH FOR NEW PLUMBING, NEW FOOTINGS, FOUNDATION AND INSTALLATION OF A SUMP PIT.
- COORDINATE WITH MECHANICAL DRAWINGS FOR NEW PLUMBING AND SUMP PIT LOCATION.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS.

D8
- CAREFULLY SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE FOOTING TO SUIT NEW ELEVATOR CONCRETE BLOCK WALL AND ELEVATOR PIT.
- UNDERPIN EXISTING FOOTING, REFER TO S2.0 FOR DETAILS.

D9
- REMOVE EXISTING DOOR AND FRAME IN ITS ENTIRETY.
- REMOVE EXISTING LINTEL ABOVE OPENING.
- MAKE GOOD ADJACENT WALLS TO MATCH EXISTING CONSTRUCTION AND FINISHES.
- REFER TO ARCHITECTURAL FOR EXTENTS.

D10
- XRAY EXISTING FLOOR SLAB FOR SERVICES PRIOR TO CUTTING
- NEATLY SAW CUT AND REMOVE PORTION OF EXISTING FLOOR SLAB.
- EXTENT OF OPENING TO ALIGN WITH OUTSIDE FACE OF CONCRETE BLOCK.
- REFER TO ARCHITECTURAL FOR EXTENTS.

## NOTES

1. INFORMATION FROM EXISTING DRAWINGS PREPARED BY FISHER TEDMAN FISHER GLAISTER ARCHITECTS, PROJECT NAME: NEW BURNHAMTHORPE PUBLIC SCHOOL DATED SHEET S1 TO S4 DATED ON JANUARY 1965.
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3. EXISTING STRUCTURAL INFORMATION SHOWN ON THESE DRAWINGS ARE APPROXIMATE.
4. CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS.
5. ERECT BARRICADES AND FENCING TO PROTECT THE PUBLIC AND NEIGHBORING PROPERTIES FROM DEBRIS AND CONSTRUCTION TRAFFIC.
6. THE CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF THE MINISTRY OF LABOUR, TSSA, WSIB, AND ENSURE A SAFE CONSTRUCTION SITE.

LICENSED PROFESSIONAL ENGINEER
R. W. ABDULLAH
100514628
2026-05-25
Project/26020
PROVINCE OF ONTARIO

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 4 | ISSUED FOR TENDER | 05-25-26 |
| 3 | ISSUED FOR BUILDING PERMIT | 04-27-26 |
| 2 | ISSUED FOR COORDINATION | 04-20-26 |
| 1 | ISSUED FOR 50% CD | 04-06-26 |

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KALOS Engineering Inc.
300 YORK BOULEVARD, HAMILTON, ONTARIO
L8R 3K6, 905-333-9119

BURNHAMTHORPE PUBLIC SCHOOL ELEVATOR & RENOVATIONS
3465 GOLDEN ORCHARD DRIVE, MISSISSAUGA, ON L4Y 3H7

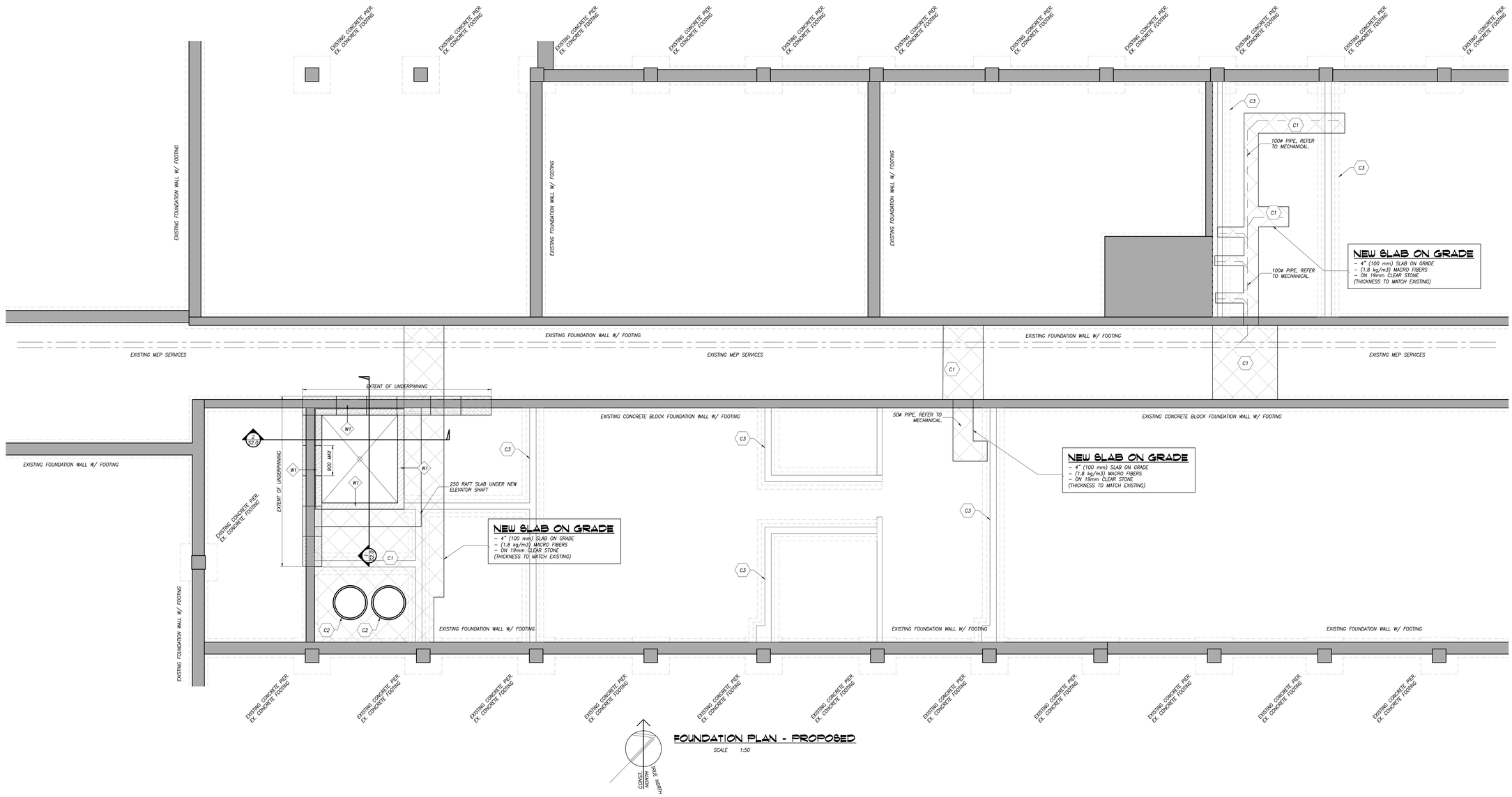
LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

FOUNDATION PLANS

HOSSACK & ASSOCIATES ARCHITECTS
8-2150 DUNWIN DRIVE
MISSISSAUGA, ONTARIO L5S, 5M8
Tel (905) 607-8284 Fax (905) 607-8290

| | |
|---|---|
| SCALE | AS NOTED |
| DATE | 03/31/26 |
| DRAWN | PP |
| CHECKED | RA |
| PROJECT | 26020 |
| DRAWING | S1.0 |
| PRINT DATE | 2026-04-06 |
| REVIT FILE | |




## FOUNDATION PLAN - PROPOSED

SCALE 1:50

## CONSTRUCTION NOTES

C1 – PROVIDE NEW 100mm CONCRETE SLAB ON GRADE, REINFORCING TO MATCH EXISTING.
– REFER TO ARCHITECTURAL FOR EXTENTS.

C2 – INSTALL SUMP–PIT 36"ø FIBERGLASS BASIN w/ ROUND ANTI–FLOATATION COLLAR– REFER TO ARCHITECTURAL FOR EXTENTS.
– COORDINATE WITH MECHANICAL AND ARCHITECTURAL DRAWINGS.

C3 – PROVIDE SLAB THICKENING UNDER NEW PARTITION WALLS AS PER DETAIL "THICKENING OF SLAB–ON–GRADE UNDER PARTITION WALLS" ON SHEET S2.0

## NOTES

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FOUNDATION PLANS

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Tel (905) 607-8284 Fax (905) 607-8290

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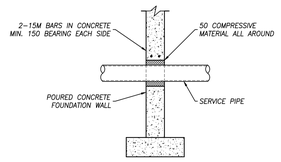
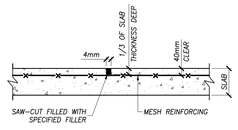
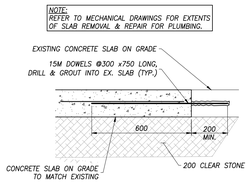
| DRAWING | S1.1 |
| PRINT DATE | 2026-04-06 |
| REVIT FILE | |



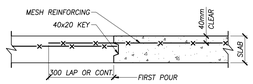

## TYPICAL PIPE PENETRATION
SCALE: NTS



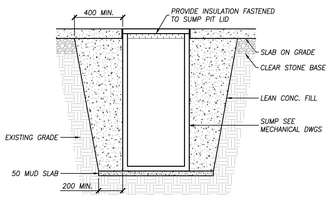

## TYPICAL SAW-CUT CONTROL JOINT IN SLAB-ON-GRADE
SCALE: NTS



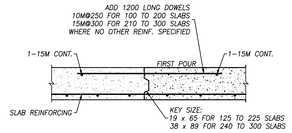

## TYP. SLAB REPAIR DETAIL
SCALE: NTS




## TYPICAL SLAB-ON-GRADE CONSTRUCTION JOINT
SCALE: NTS

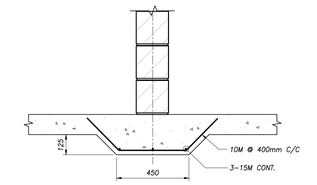



## TYPICAL SUMP PIT DETAIL IN SLAB ON GRADE
SCALE: NTS

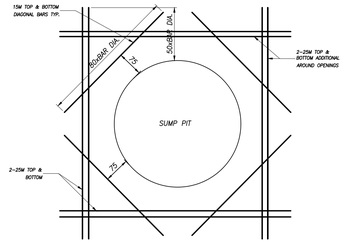



(TO BE PROVIDED AT APPROVED LOCATIONS ONLY)

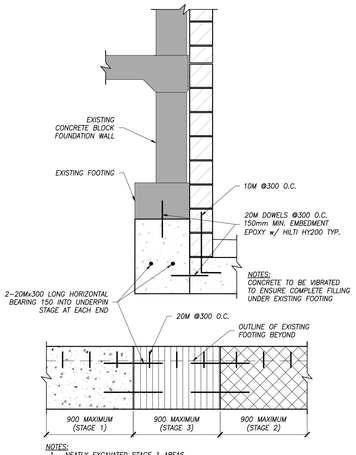
## TYPICAL CONSTRUCTION JOINT IN FRAMED SLAB
SCALE: NTS




## THICKENING OF SLAB-ON-GRADE UNDER PARTITION WALLS
SCALE: NTS

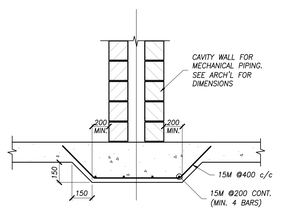



## SUM PIT SLAB/FOOTING REINFORCING
SCALE: NTS

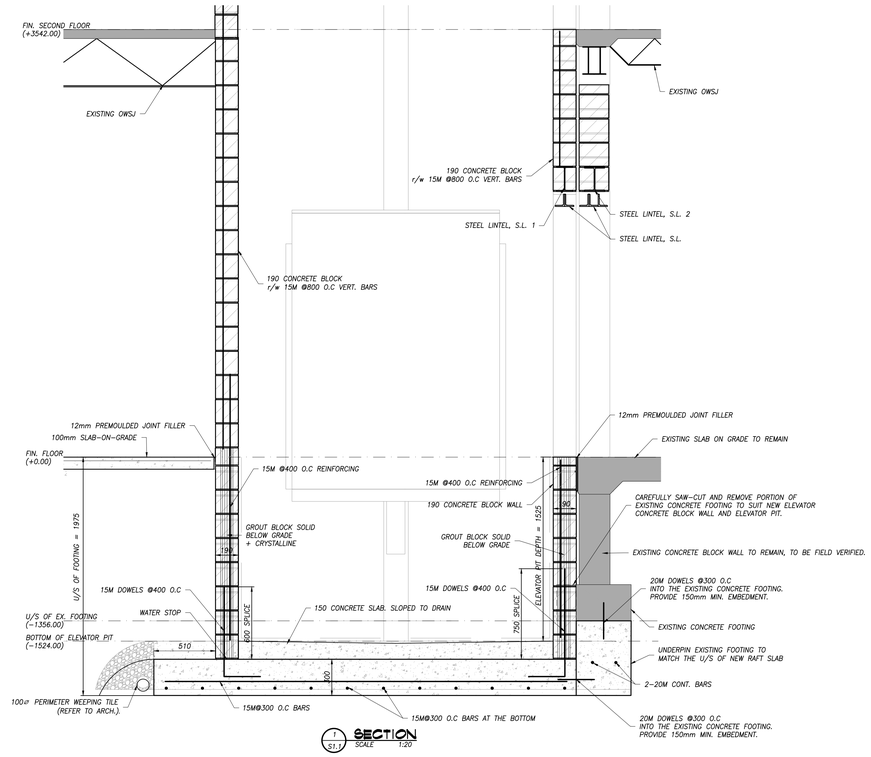



NOTES:
1. NEATLY EXCAVATED STAGE 1 AREAS
2. FORM AND PLACE CONCRETE IN STAGE 1, ENSURING CONCRETE IS FILLED TIGHT TO UNDERSIDE OF EXISTING FOOTING
3. REPEAT FOR STAGE 2 AREAS
4. REPEAT FOR STAGE 3 AREAS

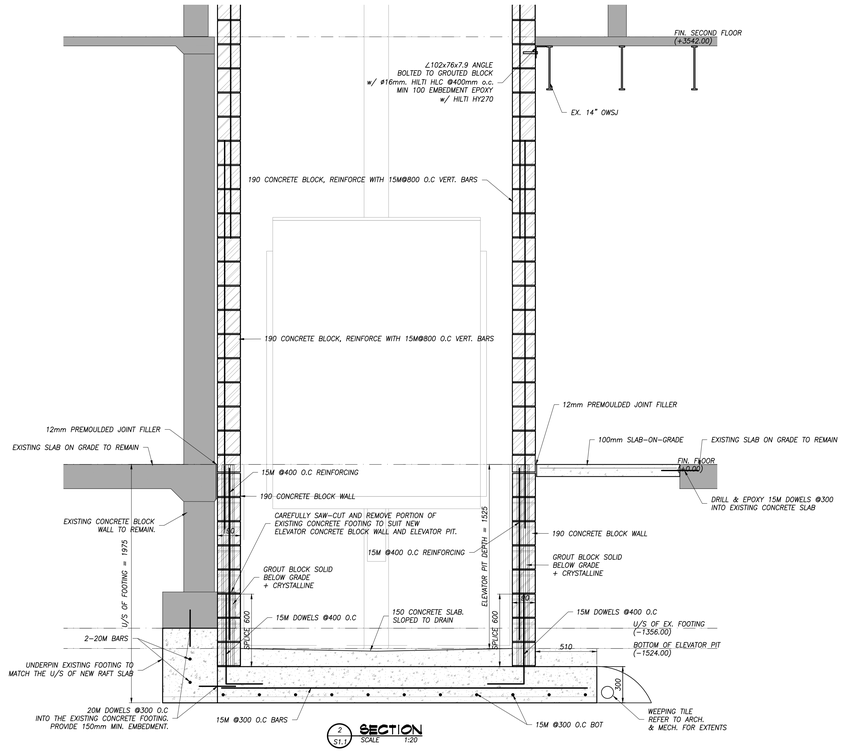
## TYPICAL UNDERPINNING DETAIL
SCALE: NTS




## THICKENING OF SLAB-ON-GRADE UNDER MECHANICAL CAVITY WALLS
SCALE: NTS




1 / S1.1 SECTION SCALE 1:20




2 / S1.1 SECTION SCALE 1:20

## NOTES

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LICENSED PROFESSIONAL ENGINEER
R. W. ABDULLAH
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BURNHAMTHORPE PUBLIC SCHOOL ELEVATOR & RENOVATIONS
3465 GOLDEN ORCHARD DRIVE, MISSISSAUGA, ON L4Y 3H7

LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

# FOUNDATION SECTIONS

HOSSACK & ASSOCIATES ARCHITECTS
6-2152 DUNWIN DRIVE, MISSISSAUGA, ONTARIO L5L 5M8
Tel (905) 607-8284 Fax (905) 607-8290

| | |
|---|---|
| SCALE | AS NOTED |
| PROJECT | 26020 |
| DATE | 03/31/26 |
| DRAWN | PP |
| DRAWING | S2.0 |
| CHECKED | RA |
| PRINT DATE | 2026-04-06 |
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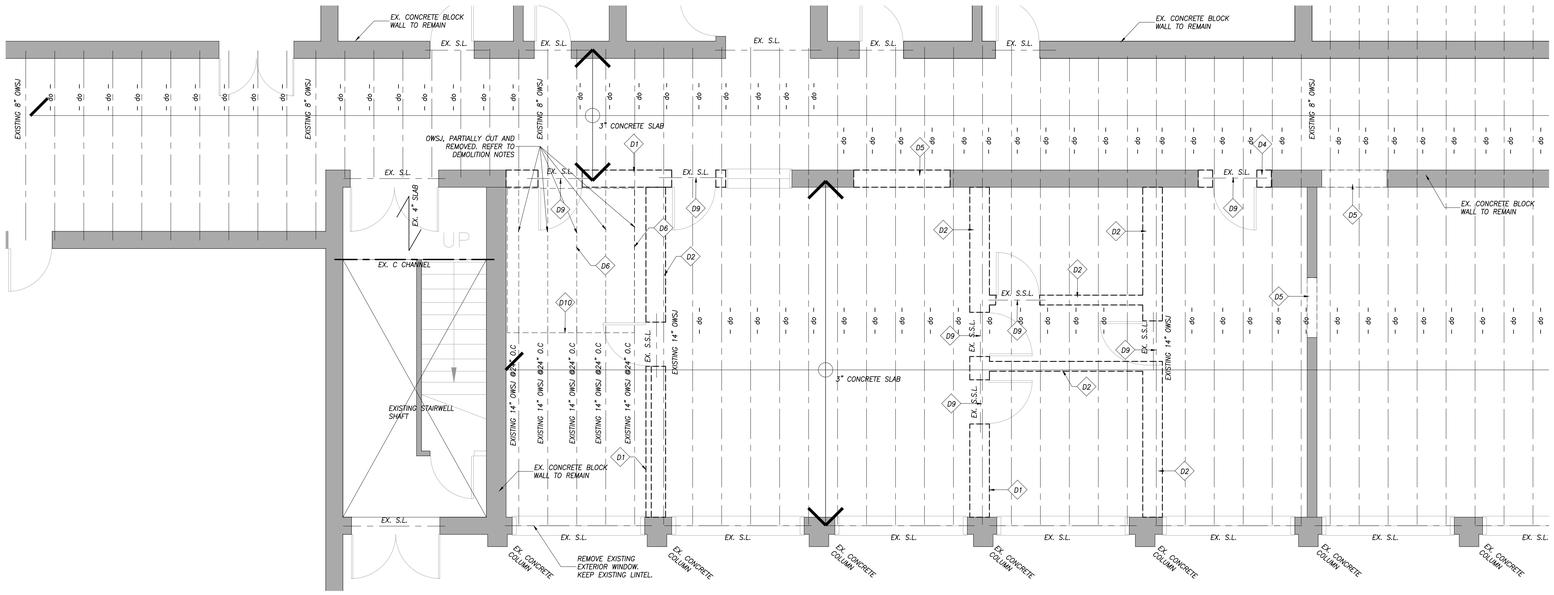
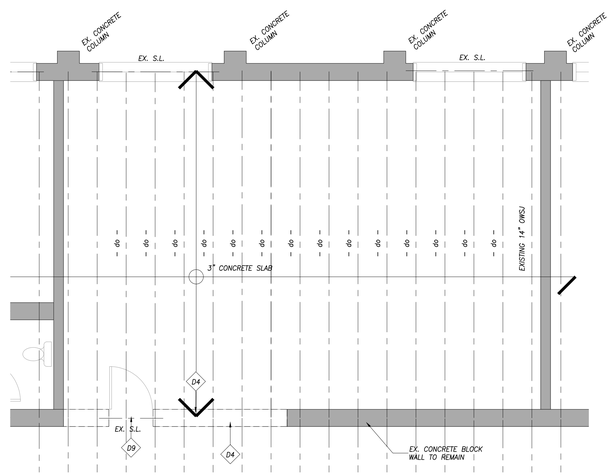


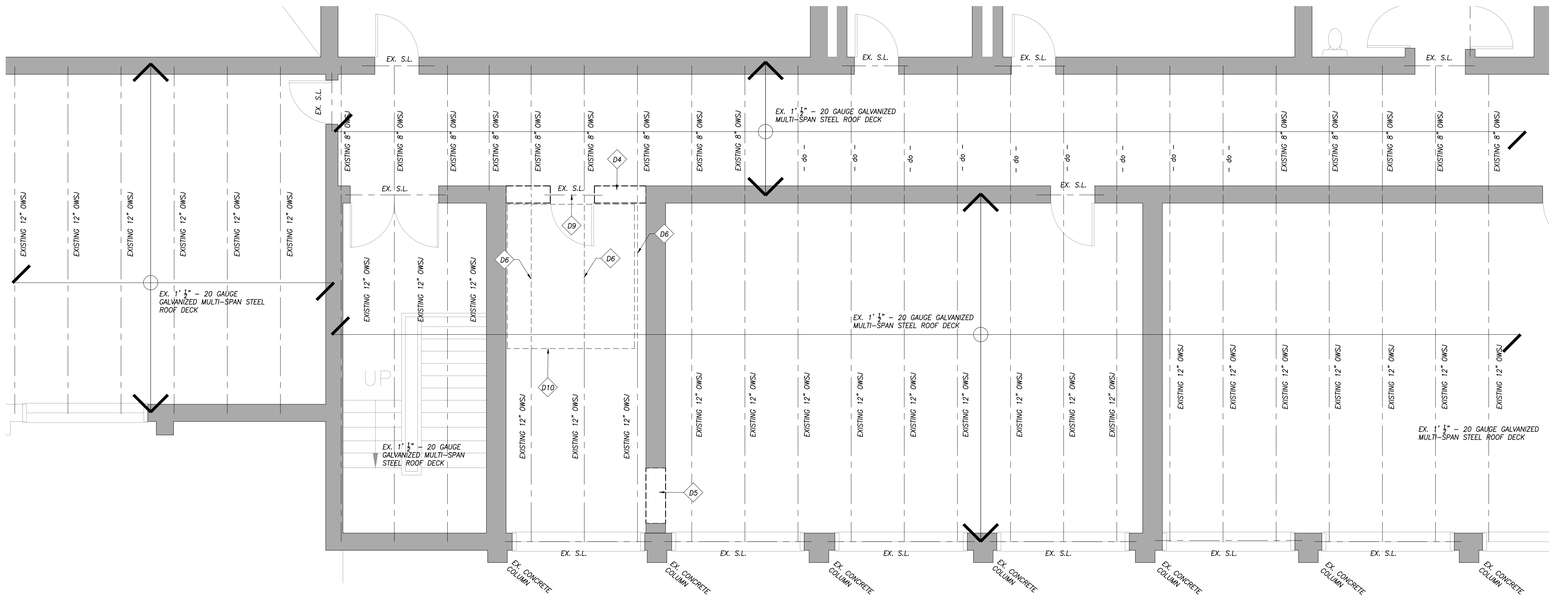

## SECOND FLOOR FRAMING - DEMOLITION PLAN

20.0 SCALE 1:50



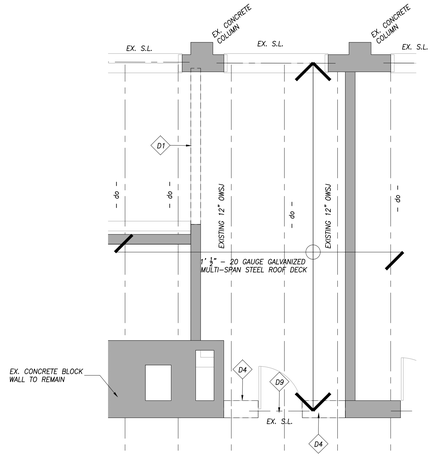

## PARTIAL SECOND FLOOR FRAMING - DEMOLITION PLAN

SCALE 1:50




## ROOF FRAMING - DEMOLITION PLAN

50.0 SCALE 1:50




## PARTIAL ROOF FRAMING - DEMOLITION PLAN

50.0 SCALE 1:50

## DEMOLITION NOTES

D1 – CAREFULLY SAW-CUT AND REMOVE EXISTING NON-LOAD BEARING BLOCK WALL ASSEMBLY AND BASE COMPLETELY (FLOOR TO UNDERSIDE OF DECK).
– PATCH AND MAKE GOOD ADJACENT FLOOR SLAB AND WALLS AS REQUIRED FOR THE NEW ROOM LAYOUT
– REFER TO ARCHITECTURAL FOR EXTENTS.

D2 – REMOVE EXISTING METAL STUD WALL AND BASE COMPLETELY (FLOOR TO UNDERSIDE OF DECK)
– PATCH AND MAKE GOOD ADJACENT FLOOR SLAB AND WALLS AS REQUIRED FOR THE NEW ROOM LAYOUT.
– REFER TO ARCHITECTURAL FOR EXTENTS.

D3 – PATCH ALL EXISTING HOLES IN CONCRETE BLOCK WALLS
– REFER TO ARCHITECTURAL FOR EXTENTS.

D4 – DOOR TO BE REMOVED.
– SAW-CUT CONCRETE BLOCK 300mm BEYOND EACH SIDE OF THE EXISTING FRAME TO ELIMINATE THE BULLNOSE CORNERS ON THE CORRIDOR SIDE. PATCH AND MAKE GOOD THE REMAINING WALL SURFACES AS REQUIRED.
– PROVIDE NEW WALL INFILL.
– COORDINATE WITH THE NEW PROPOSED PLAN FOR THE NEW WALL.
– REFER TO ARCHITECTURAL FOR EXTENTS.

D5 – CAREFULLY SAW-CUT AND REMOVE EXISTING BLOCK WALL ASSEMBLY AND BASE TO THE EXTENT SHOWN ON THE DRAWINGS FOR PROPOSED DOOR AND FRAME INSTALLATION.
– PROVIDE NEW S.L. (STEEL LINTEL).
– PATCH AND MAKE GOOD ADJACENT FLOOR SLAB, WALLS, FRAMING AND COLUMNS.
– REFER TO ARCHITECTURAL FOR EXTENTS.

D6 – CAREFULLY SAW-CUT AND REMOVE A PORTION OF EXISTING OWSJ. REFER TO THE RESPECTIVE SECTION IN S4.0
– PATCH AND MAKE GOOD ADJACENT FLOOR SLAB, WALLS, FRAMING AND COLUMNS.
– REFER TO ARCHITECTURAL FOR EXTENTS.

D7 – XRAY EXISTING CONCRETE SLAB ON GRADE FOR SERVICES PRIOR TO CUTTING.
– NEATLY SAW-CUT AND REMOVE PORTION OF EXISTING SLAB ON GRADE INCLUDING SUB-BASE AND EARTH FOR NEW PLUMBING, NEW FOOTINGS, FOUNDATION AND INSTALLATION OF A SUMP PIT.
– COORDINATE WITH MECHANICAL DRAWINGS FOR NEW PLUMBING AND SUMP PIT LOCATION.
– REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS.

D8 – CAREFULLY SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE FOOTING TO SUIT NEW ELEVATOR CONCRETE BLOCK WALL AND ELEVATOR PIT.
– UNDERPIN EXISTING FOOTING, REFER TO S2.0 FOR DETAILS.

D9 – REMOVE EXISTING DOOR AND FRAME IN ITS ENTIRETY.
– REMOVE EXISTING LINTEL ABOVE OPENING.
– MAKE GOOD ADJACENT WALLS TO MATCH EXISTING CONSTRUCTION AND FINISHES.
– REFER TO ARCHITECTURAL FOR EXTENTS.

D10 – XRAY EXISTING FLOOR SLAB FOR SERVICES PRIOR TO CUTTING
– NEATLY SAW CUT AND REMOVE PORTION OF EXISTING FLOOR SLAB.
– EXTENT OF OPENING TO ALIGN WITH OUTSIDE FACE OF CONCRETE BLOCK.
– REFER TO ARCHITECTURAL FOR EXTENTS.

## SECOND FLOOR FRAMING NOTES

1. TOP OF FLOOR ELEVATION = 3542
2. REFER TO DRAWING S0.0 FOR NOTES, S4.0 FOR STANDARD DETAILS AND S0.0 CONCRETE BLOCK WALL REINFORCING.
3. REFER TO ARCH'L, MECH'L AND ELEC'L DWGS. FOR SIZE AND LOCATION OF ALL OPENINGS IN BLOCK WALLS. SEE LINTEL SCHEDULE DRAWINGS S4.0 FOR LINTEL SIZES.
4. PROVIDE TEMPORARY SUPPORT UNDER ALL BEAMS UNTIL THEY ARE LATERALLY SUPPORTED.
5. PROVIDE STEEL LINTELS FOR ALL OPENINGS AS SHOWN ON ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS.
6. COORDINATE WITH MECHANICAL FOR ALL OPENINGS IN FLOORS & WALLS.
7. COORDINATE PLUMBING WITH CONCRETE BLOCK WALL REINFORCING.

## WALL SCHEDULE

W1 190 CONCRETE BLOCK WALL REINFORCE w/ 15M@800 o.c

W2 240 CONCRETE BLOCK WALL REINFORCE w/ 20M@600 o.c

W3 140 CONCRETE BLOCK WALL

## ROOF FRAMING NOTES

1. TOP OF FLOOR ELEVATION = 7000
2. REFER TO DRAWING S0.0 FOR NOTES, S4.0 FOR STANDARD DETAILS AND S0.0 CONCRETE BLOCK WALL REINFORCING.
3. REFER TO ARCH'L, MECH'L AND ELEC'L DWGS. FOR SIZE AND LOCATION OF ALL OPENINGS IN BLOCK WALLS. SEE LINTEL SCHEDULE DRAWINGS S4.0 FOR LINTEL SIZES.
4. PROVIDE TEMPORARY SUPPORT UNDER ALL BEAMS UNTIL THEY ARE LATERALLY SUPPORTED.
5. PROVIDE STEEL LINTELS FOR ALL OPENINGS AS SHOWN ON ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS.
6. COORDINATE WITH MECHANICAL FOR ALL OPENINGS IN FLOORS & WALLS.
7. COORDINATE PLUMBING WITH CONCRETE BLOCK WALL REINFORCING.
8. EXISTING STEEL DECK IS ADEQUATE TO SUPPORT ADDITIONAL SNOW PILE-UP CAUSED BY THE PROPOSED ELEVATOR POP-OUT.

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KALOS Engineering Inc.
300 YORK BOULEVARD, HAMILTON, ONTARIO L8R 3K6
905-333-9119

BURNHAMTHORPE PUBLIC SCHOOL ELEVATOR & RENOVATIONS
3465 GOLDEN ORCHARD DRIVE, MISSISSAUGA, ON L4Y 3H7

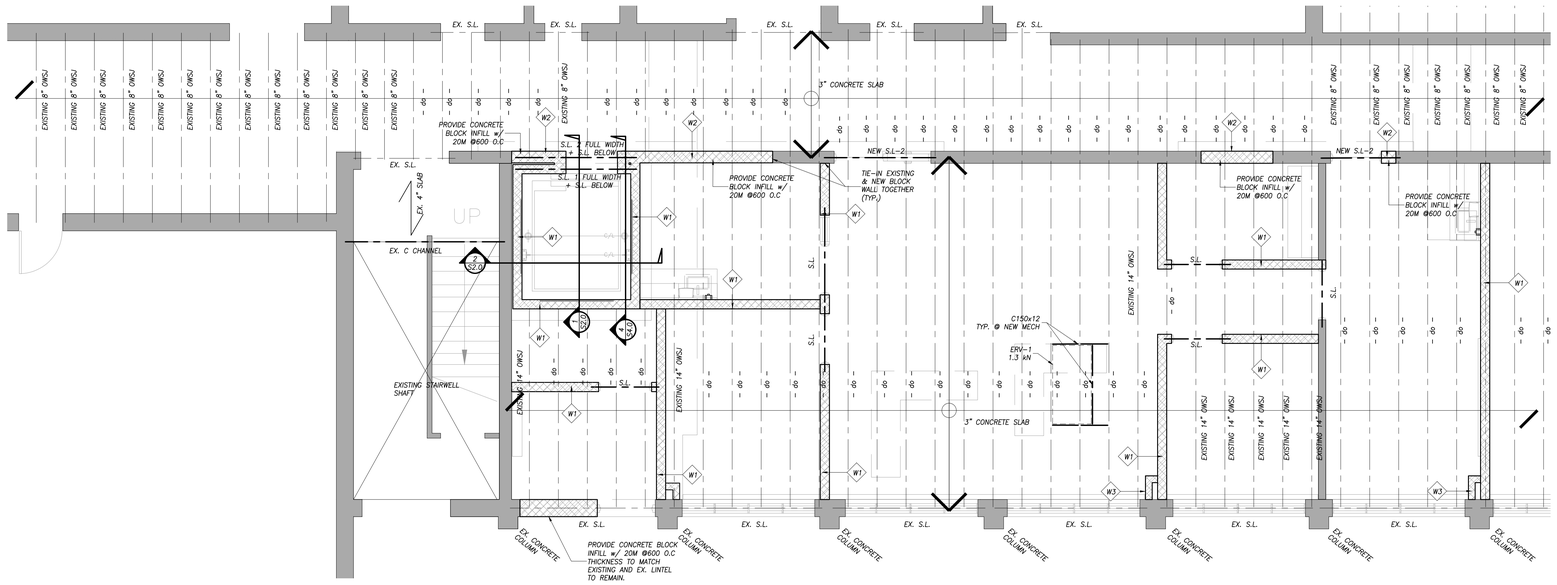
LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

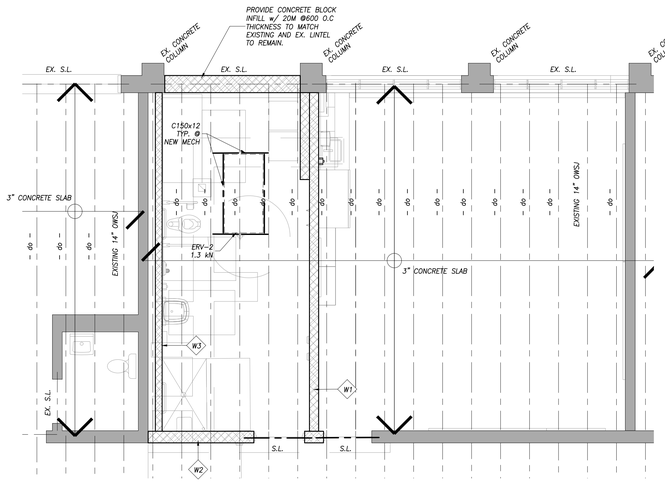
DEMOLITION PLANS

HOSSACK & ASSOCIATES ARCHITECTS
6-2150 DUNWIN DRIVE, MISSISSAUGA, ONTARIO L5L 5M8
Tel (905) 607-8284 Fax (905) 607-8290

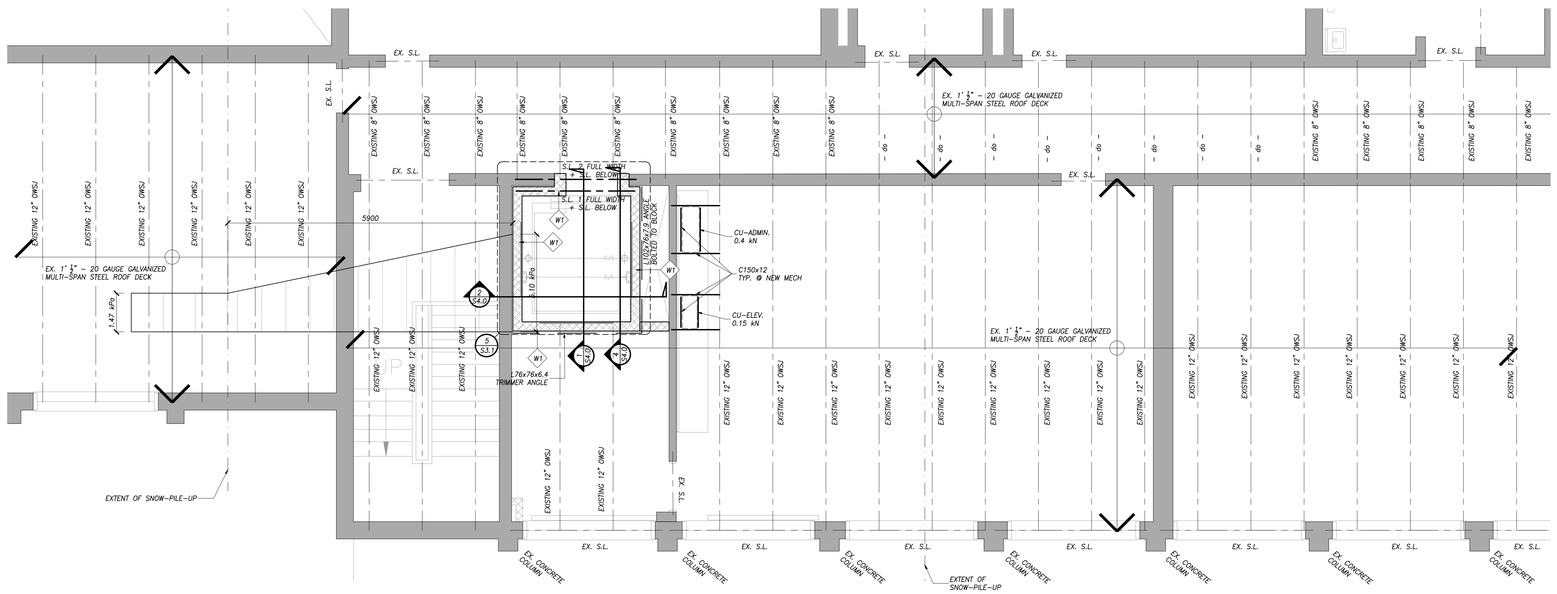
| | |
|---|---|
| SCALE | AS NOTED |
| PROJECT | 26020 |
| DATE | 03/31/26 |
| DRAWN | PP |
| DRAWING | S3.0 |
| CHECKED | RA |
| PRINT DATE | 2026-04-06 |
| REVIT FILE | |



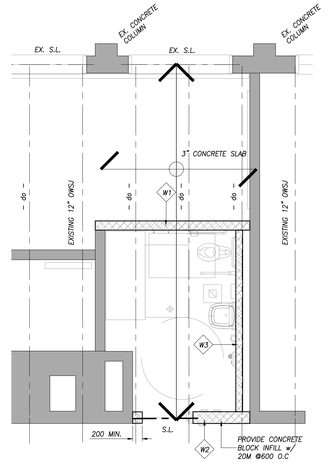

1 S2.0 **SECOND FLOOR FRAMING - PROPOSED PLAN**
SCALE 1:50



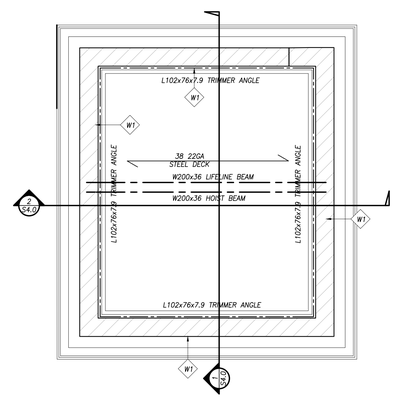

2 S2.0 **PARTIAL SECOND FLOOR FRAMING - PROPOSED PLAN**
SCALE 1:50




3 S2.0 **ROOF FRAMING - PROPOSED PLAN**
SCALE 1:50




4 S2.0 **PARTIAL ROOF FRAMING - PROPOSED PLAN**
SCALE 1:50




5 S3.1 **ELEVATOR FRAMING PLAN**
SCALE 1:25

## DEMOLITION NOTES

D1 – CAREFULLY SAW-CUT AND REMOVE EXISTING NON-LOAD BEARING BLOCK WALL ASSEMBLY AND BASE COMPLETELY (FLOOR TO UNDERSIDE OF DECK).
– PATCH AND MAKE GOOD ADJACENT FLOOR SLAB AND WALLS AS REQUIRED FOR THE NEW ROOM LAYOUT
– REFER TO ARCHITECTURAL FOR EXTENTS.

D2 – REMOVE EXISTING METAL STUD WALL AND BASE COMPLETELY (FLOOR TO UNDERSIDE OF DECK)
– PATCH AND MAKE GOOD ADJACENT FLOOR SLAB AND WALLS AS REQUIRED FOR THE NEW ROOM LAYOUT.
– REFER TO ARCHITECTURAL FOR EXTENTS.

D3 – PATCH ALL EXISTING HOLES IN CONCRETE BLOCK WALLS
– REFER TO ARCHITECTURAL FOR EXTENTS.

D4 – DOOR TO BE REMOVED.
– SAW-CUT CONCRETE BLOCK 300mm BEYOND EACH SIDE OF THE EXISTING FRAME TO ELIMINATE THE BULLNOSE CORNERS ON THE CORRIDOR SIDE. PATCH AND MAKE GOOD THE REMAINING WALL SURFACES AS REQUIRED.
– PROVIDE NEW WALL INFILL.
– COORDINATE WITH THE NEW PROPOSED PLAN FOR THE NEW WALL.
– REFER TO ARCHITECTURAL FOR EXTENTS.

D5 – CAREFULLY SAW-CUT AND REMOVE EXISTING BLOCK WALL ASSEMBLY AND BASE TO THE EXTENT SHOWN ON THE DRAWINGS FOR PROPOSED DOOR AND FRAME INSTALLATION.
– PROVIDE NEW S.L. (STEEL LINTEL).
– PATCH AND MAKE GOOD ADJACENT FLOOR SLAB, WALLS, FRAMING AND COLUMNS.
– REFER TO ARCHITECTURAL FOR EXTENTS.

D6 – CAREFULLY SAW-CUT AND REMOVE A PORTION OF EXISTING OWSJ. REFER TO THE RESPECTIVE SECTION IN S4.0
– PATCH AND MAKE GOOD ADJACENT FLOOR SLAB, WALLS, FRAMING AND COLUMNS.
– REFER TO ARCHITECTURAL FOR EXTENTS.

D7 – XRAY EXISTING CONCRETE SLAB ON GRADE FOR SERVICES PRIOR TO CUTTING.
– NEATLY SAW-CUT AND REMOVE PORTION OF EXISTING SLAB ON GRADE INCLUDING SUB-BASE AND EARTH FOR NEW PLUMBING, NEW FOOTINGS, FOUNDATION AND INSTALLATION OF A SUMP PIT.
– COORDINATE WITH MECHANICAL DRAWINGS FOR NEW PLUMBING AND SUMP PIT LOCATION.
– REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS.

D8 – CAREFULLY SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE FOOTING TO SUIT NEW ELEVATOR CONCRETE BLOCK WALL AND ELEVATOR PIT.
– UNDERPIN EXISTING FOOTING, REFER TO S2.0 FOR DETAILS.

D9 – REMOVE EXISTING DOOR AND FRAME IN ITS ENTIRETY.
– REMOVE EXISTING LINTEL ABOVE OPENING.
– MAKE GOOD ADJACENT WALLS TO MATCH EXISTING CONSTRUCTION AND FINISHES.
– REFER TO ARCHITECTURAL FOR EXTENTS.

D10 – XRAY EXISTING FLOOR SLAB FOR SERVICES PRIOR TO CUTTING
– NEATLY SAW CUT AND REMOVE PORTION OF EXISTING FLOOR SLAB.
– EXTENT OF OPENING TO ALIGN WITH OUTSIDE FACE OF CONCRETE BLOCK.
– REFER TO ARCHITECTURAL FOR EXTENTS.

## SECOND FLOOR FRAMING NOTES

1. TOP OF FLOOR ELEVATION = 3542
2. REFER TO DRAWING S0.0 FOR NOTES, S4.0 FOR STANDARD DETAILS AND S0.0 CONCRETE BLOCK WALL REINFORCING.
3. REFER TO ARCH'L, MECH'L AND ELEC'L DWGS. FOR SIZE AND LOCATION OF ALL OPENINGS IN BLOCK WALLS. SEE LINTEL SCHEDULE DRAWINGS S4.0 FOR LINTEL SIZES.
4. PROVIDE TEMPORARY SUPPORT UNDER ALL BEAMS UNTIL THEY ARE LATERALLY SUPPORTED.
5. PROVIDE STEEL LINTELS FOR ALL OPENINGS AS SHOWN ON ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS.
6. COORDINATE WITH MECHANICAL FOR ALL OPENINGS IN FLOORS & WALLS.
7. COORDINATE PLUMBING WITH CONCRETE BLOCK WALL REINFORCING.

## WALL SCHEDULE

W1 – 190 CONCRETE BLOCK WALL REINFORCE w/ 15M@800 o.c

W2 – 240 CONCRETE BLOCK WALL REINFORCE w/ 20M@600 o.c

W3 – 140 CONCRETE BLOCK WALL

## ROOF FRAMING NOTES

1. TOP OF FLOOR ELEVATION = 7000
2. REFER TO DRAWING S0.0 FOR NOTES, S4.0 FOR STANDARD DETAILS AND S0.0 CONCRETE BLOCK WALL REINFORCING.
3. REFER TO ARCH'L, MECH'L AND ELEC'L DWGS. FOR SIZE AND LOCATION OF ALL OPENINGS IN BLOCK WALLS. SEE LINTEL SCHEDULE DRAWINGS S4.0 FOR LINTEL SIZES.
4. PROVIDE TEMPORARY SUPPORT UNDER ALL BEAMS UNTIL THEY ARE LATERALLY SUPPORTED.
5. PROVIDE STEEL LINTELS FOR ALL OPENINGS AS SHOWN ON ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS.
6. COORDINATE WITH MECHANICAL FOR ALL OPENINGS IN FLOORS & WALLS.
7. COORDINATE PLUMBING WITH CONCRETE BLOCK WALL REINFORCING.
8. EXISTING STEEL DECK IS ADEQUATE TO SUPPORT ADDITIONAL SNOW PILE-UP CAUSED BY THE PROPOSED ELEVATOR POP-OUT.

## NOTES

1. INFORMATION FROM EXISTING DRAWINGS PREPARED BY FISHER TEDMAN FISHER GLAISTER ARCHITECTS, PROJECT NAME: NEW BURNHAMTHORPE PUBLIC SCHOOL DATED SHEET S1 TO S4 DATED ON JANUARY 1965.
2. CONTRACTOR TO PREPARE AND SUBMIT FULL SHORING DRAWINGS FOR APPROVAL FOR ALL TEMPORARY SUPPORTS, PREPARED AND STAMPED BY PROFESSIONAL ENGINEER, PRIOR ANY REMOVAL.
3. EXISTING STRUCTURAL INFORMATION SHOWN ON THESE DRAWINGS ARE APPROXIMATE.
4. CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS.
5. ERECT BARRICADES AND FENCING TO PROTECT THE PUBLIC AND NEIGHBORING PROPERTIES FROM DEBRIS AND CONSTRUCTION TRAFFIC.
6. THE CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF THE MINISTRY OF LABOUR, TSSA, WSIB, AND ENSURE A SAFE CONSTRUCTION SITE.

LICENSED PROFESSIONAL ENGINEER
R.W. ABDULLAH
100514628
2026-05-25
Project#26020
PROVINCE OF ONTARIO

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 4 | ISSUED FOR TENDER | 05-25-26 |
| 3 | ISSUED FOR BUILDING PERMIT | 04-27-26 |
| 2 | ISSUED FOR COORDINATION | 04-20-26 |
| 1 | ISSUED FOR 50% CD | 04-06-26 |

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KALOS Engineering Inc.
300 YORK BOULEVARD, HAMILTON, ONTARIO L8R 3K6
905-333-9119

BURNHAMTHORPE PUBLIC SCHOOL ELEVATOR & RENOVATIONS
3465 GOLDEN ORCHARD DRIVE, MISSISSAUGA, ON L4Y 3H7

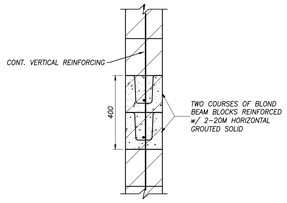
LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

PROPOSED PLANS

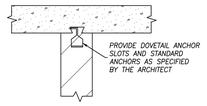
HOSSACK & ASSOCIATES ARCHITECTS
4-2150 DUNWIN DRIVE
MISSISSAUGA, ONTARIO L5L 5M6
Tel (905) 607-9284 Fax (905) 607-8290

| | |
|---|---|
| SCALE | AS NOTED |
| PROJECT | 26020 |
| DATE | 03/31/26 |
| DRAWN | PP |
| CHECKED | RA |
| DRAWING | S3.1 |
| PRINT DATE | 2026-04-06 |
| REVIT FILE | |



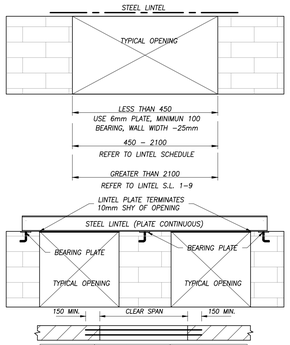

## TYPICAL ELEVATOR BOND BEAM

SCALE: NTS




## TYPICAL ANCHORAGE DETAIL OF MASONRY WALL TO CONCRETE WALL

SCALE: NTS




| CLEAR SPAN | 140 WALL | 190 WALL |
|---|---|---|
| UP to 1200 | 2Ls 75x65x8 | 2Ls 90x90x8 |
| 1200 to 1800 | 2Ls 90x65x8 | 2Ls 125x90x8 |
| 1800 to 2100 | 2Ls 90x65x10 | 2Ls 150x90x8 |

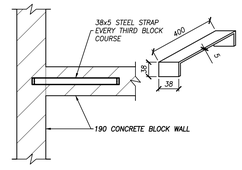
| CLEAR SPAN | 240 WALL | 290 WALL |
|---|---|---|
| UP to 1200 | 2Ls 100x100x8 | 3Ls 90x90x8 |
| 1200 to 1800 | 2Ls 150x100x8 | 3Ls 125x90x8 |
| 1800 to 2100 | 2Ls 150x100x8 | 3Ls 150x90x8 |

PROVIDE LOOSE LINTELS FOR BRICK VENEER AS REQUIRED FOR LINTELS IN 90 VENEER, USE 1 ANGLE OF THAT NOTED FOR 190 WALL ON SIMILAR SPAN.

DOUBLE ANGLES TO BE STITCH WELDED BACK TO BACK. LINTELS TO HAVE A BOLTED CONNECTION TO COLUMNS. LINTELS LARGER THAN 2100 TO HAVE BEARING PLATE TYPE A TERMINATE LINTEL PLATES 10mm SHY OF OPENING

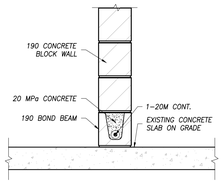
## TYPICAL STEEL LINTEL DETAIL

SCALE: NTS



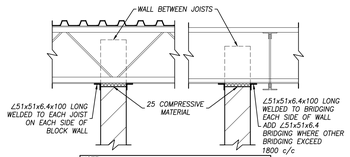

## TYPICAL INTERSECTION OF CONCRETE BLOCK WALLS

SCALE: NTS




## BOND BEAM ON SLAB ON GRADE

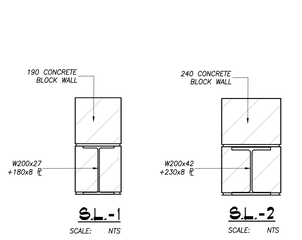
NOT TO SCALE




NOTE:
PROVIDE BRACING WALLS SPANNING MORE THAN 3600 HORIZONTALLY, FOR 140 WALLS SPANNING MORE THAN 5400 HORIZONTALLY, AND FOR 190 WALLS SPANNING MORE THAN 7200 HORIZONTALLY.

## TYPICAL PARTITION WALL BRACING AT UNDERSIDE OF STEEL JOIST

SCALE: NTS

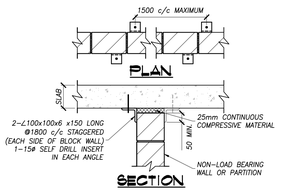



## SL.-1

SCALE: NTS

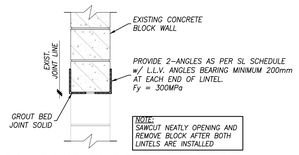
## SL.-2

SCALE: NTS



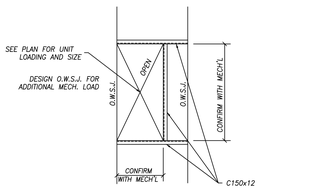

## BRACING OF TOP OF WALL AT UNDERSIDE OF CONCRETE SLAB

NOT TO SCALE



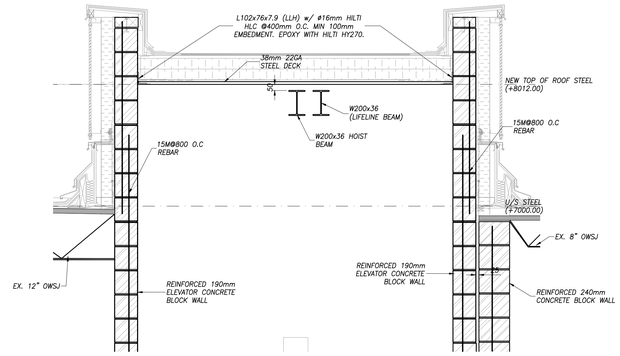

## TOE IN STEEL LINTEL SECTION

SCALE: NTS

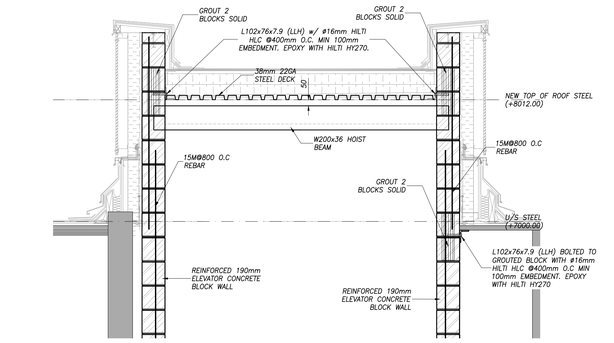



## TYPICAL ROOF TOP HVAC UNIT FRAMING

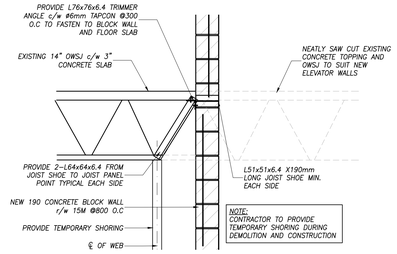
SCALE: NTS



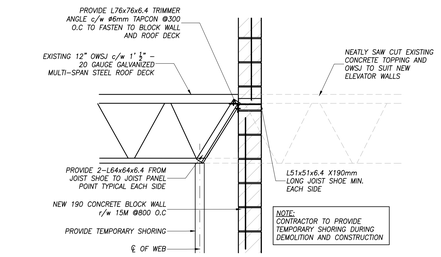

1 S3.1 SECTION
SCALE 1:20




2 S3.1 SECTION
SCALE 1:20




1 S3.1 TYPICAL JOIST PORTION REMOVAL AT FLOOR FRAMING
SCALE 1:20




3 S3.1 TYPICAL JOIST PORTION REMOVAL AT ROOF FRAMING
SCALE 1:20

## NOTES

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LICENSED PROFESSIONAL ENGINEER
R. W. ABDULLAH
100514628
2026-05-25
Project#/26020
PROVINCE OF ONTARIO

| NO. | DESCRIPTION | DATE |
|---|---|---|
| 4 | ISSUED FOR TENDER | 05-25-26 |
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KALOS Engineering Inc.
300 YORK BOULEVARD HAMILTON, ONTARO
L8R 3K6 905-333-9119

BURNHAMTHORPE PUBLIC SCHOOL ELEVATOR & RENOVATIONS
3465 GOLDEN ORCHARD DRIVE, MISSISSAUGA, ON L4Y 3H7

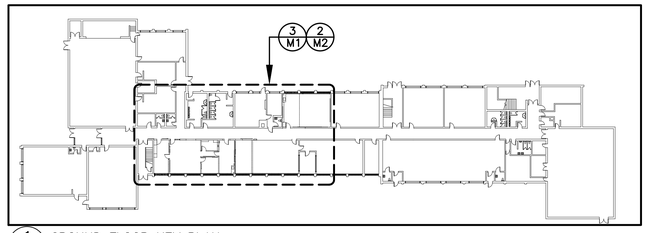
LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

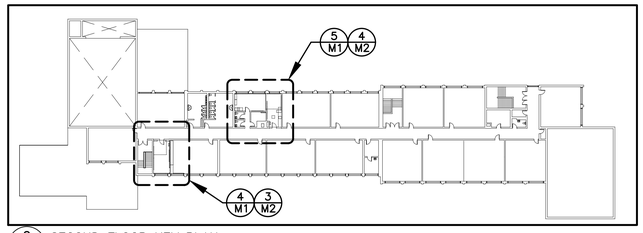
TYP. DETAILS AND SECTIONS

HOSSACK & ASSOCIATES ARCHITECTS
4-2100 DUNWIN DRIVE
MISSISSAUGA, ONTARIO L5L 5M8
Tel (905) 607-9284 Fax (905) 607-9290

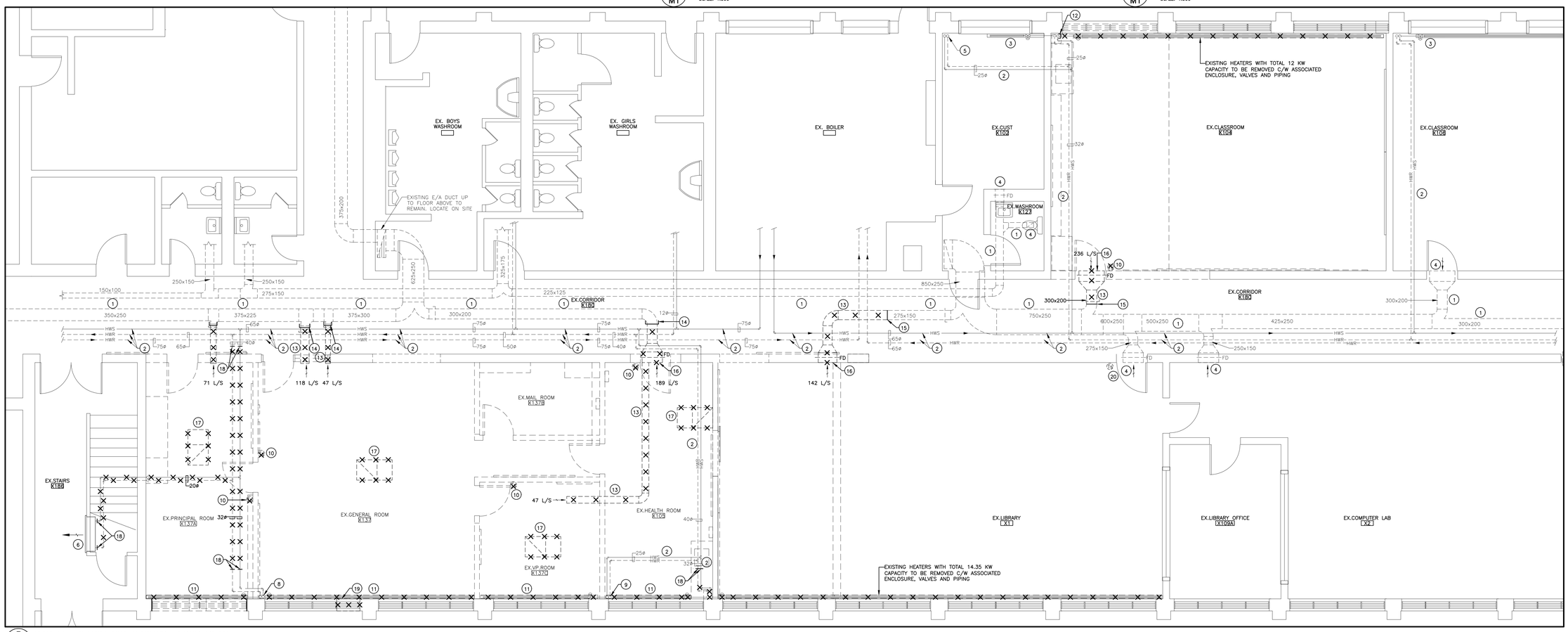
| | |
|---|---|
| SCALE AS NOTED | PROJECT 26020 |
| DATE 03/31/26 | |
| DRAWN PP | DRAWING S4.0 |
| CHECKED RA | |
| PRINT DATE | 2026-04-06 |
| REVIT FILE | |




1 M1 GROUND FLOOR KEY PLAN
SCALE: 1:500



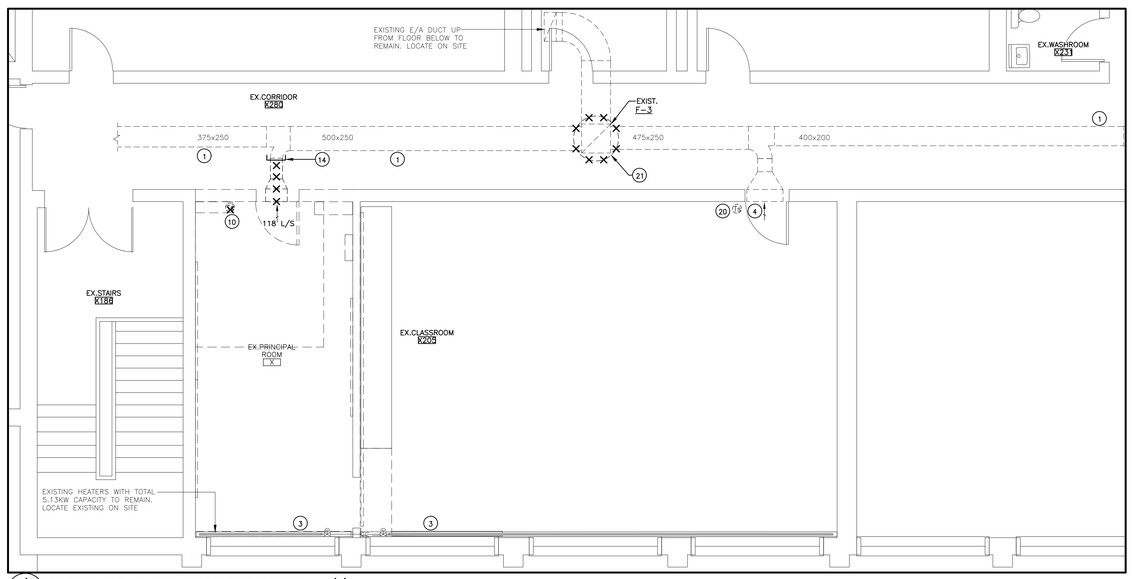

2 M1 SECOND FLOOR KEY PLAN
SCALE: 1:500



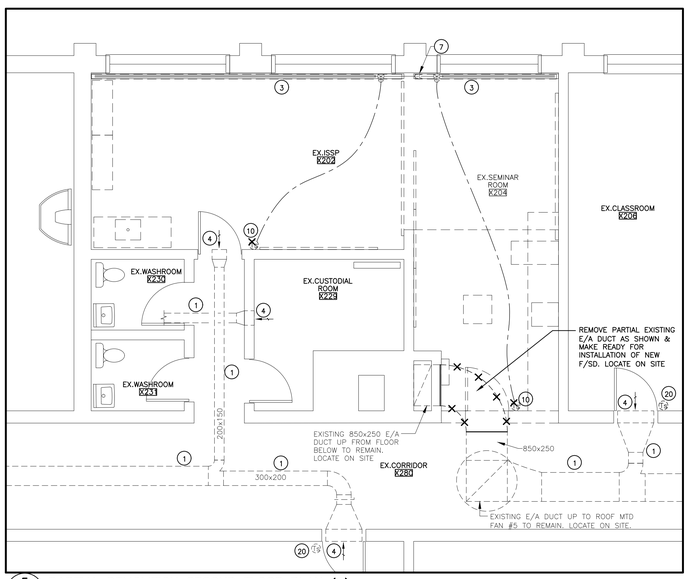

3 M1 PARTIAL DEMOLITION GROUND FLOOR PLAN
SCALE: 1:50

## KEYED NOTES

1. EXISTING DUCT TO REMAIN. LOCATE EXISTING ON SITE.
2. EXISTING HWS & HWR PIPING TO REMAIN. LOCATE EXISTING ON SITE.
3. EXISTING WALLFIN HEATER AND ASSOCIATED PIPING, VALVES, WIRING, CONTROLS, ETC TO REMAIN UNLESS OTHERWISE NOTED. LOCATE EXISTING ON SITE.
4. EXISTING REGISTER, GRILLE AND ASSOCIATED DAMPERS, DUCT TO REMAIN. LOCATE EXISTING ON SITE.
5. EXISTING HWS/HWR PIPING UP TO FLOOR ABOVE TO REMAIN. LOCATE EXISTING ON SITE.
6. EXISTING CABINET HEATER TO REMAIN. LOCATE EXISTING ON SITE.
7. EXISTING HWS/HWR PIPING UP FROM FLOOR BELOW TO REMAIN. LOCATE EXISTING ON SITE.
8. EXISTING HWS/HWR PIPING UP TO FLOOR ABOVE TO REMAIN. REMOVE EXISTING HWS/HWR PIPING DN. BACK TO CEILING SPACE AND MAKE READY FOR NEW CONNECTIONS. LOCATE EXISTING ON SITE.
9. EXISTING HWS/HWR PIPING UP TO FLOOR ABOVE TO REMAIN. REMOVE EXISTING HWS/HWR PIPING DN. BACK TO CEILING SPACE AND CAP-OFF. LOCATE EXISTING ON SITE.
10. REMOVE EXISTING TEMPERATURE SENSOR. LOCATE EXISTING ON SITE.
11. REMOVE EXISTING WALLFIN HEATER AND ASSOCIATED VALVES, PIPING, TEMPERATURE SENSOR, WIRING, CONTROLS, ETC.. LOCATE EXISTING ON SITE.
12. EXISTING HWS/HWR PIPING DN. TO REMAIN. REMOVE EXISTING WALLFIN HEATER IN CLASSROOM BACK TO THIS POINT AND CAP HWS/HWR PIPING OFF. LOCATE EXISTING ON SITE.
13. REMOVE EXISTING DUCT. LOCATE EXISTING ON SITE.
14. REMOVE EXISTING DUCT TO THIS POINT INCLUDING DAMPER AND CAP-OF. MAKE WALL GOOD AFTER REMOVAL IF REQUIRED. LOCATE EXISTING ON SITE.
15. REMOVE EXISTING DUCT TO THIS POINT AND MAKE READY FOR NEW CONNECTION. LOCATE EXISTING ON SITE.
16. REMOVE EXISTING E/A GRILLE AND ASSOCIATED FD. MAKE WALL GOOD AFTER REMOVAL IF REQUIRED. LOCATE EXISTING ON SITE.
17. REMOVE EXISTING R/A GRILLE AND ASSOCIATED DAMPER. LOCATE EXISTING ON SITE.
18. REMOVE EXISTING HWS/HWR PIPING TO THIS POINT AND MAKE READY FOR NEW CONNECTION. LOCATE EXISTING ON SITE.
19. REMOVE EXISTING WINDOW AIR CONDITIONER UNIT. LOCATE EXISTING ON SITE. MAKE WINDOWS GOOD AFTER REMOVAL.
20. EXISTING TEMPERATURE SENSOR TO REMAIN. LOCATE EXISTING ON SITE.
21. REMOVE EXISTING EXHAUST FAN F-3 & EXISTING ROOF CURB. EXISTING ELECTRICAL WIRING, AND CONTROLS TO REMAIN, DISCONNECT FROM EXISTING UNIT AND COORDINATE WITH NEW INSTALLATION TO ENSURE COMPATIBILITY.




4 M1 PARTIAL DEMOLITION SECOND FLOOR PLAN (1)
SCALE: 1:50




5 M1 PARTIAL DEMOLITION SECOND FLOOR PLAN (2)
SCALE: 1:50

| | | |
|---|---|---|
| 3 | ISSUED FOR TENDER | 5/27/26 |
| 2 | RE-ISSUED FOR BUILDING PERMIT | 5/25/26 |
| 1 | ISSUED FOR BUILDING PERMIT | 5/06/26 |

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LICENSED PROFESSIONAL ENGINEER
S WANG
100118018
MAY 27/26
PROVINCE OF ONTARIO

BURNHAMTHORPE PUBLIC SCHOOL
- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

3465 GOLDEN ORCHARD DR.
MISSISSAUGA, ONTARIO

LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

City File # SPA XXXXX

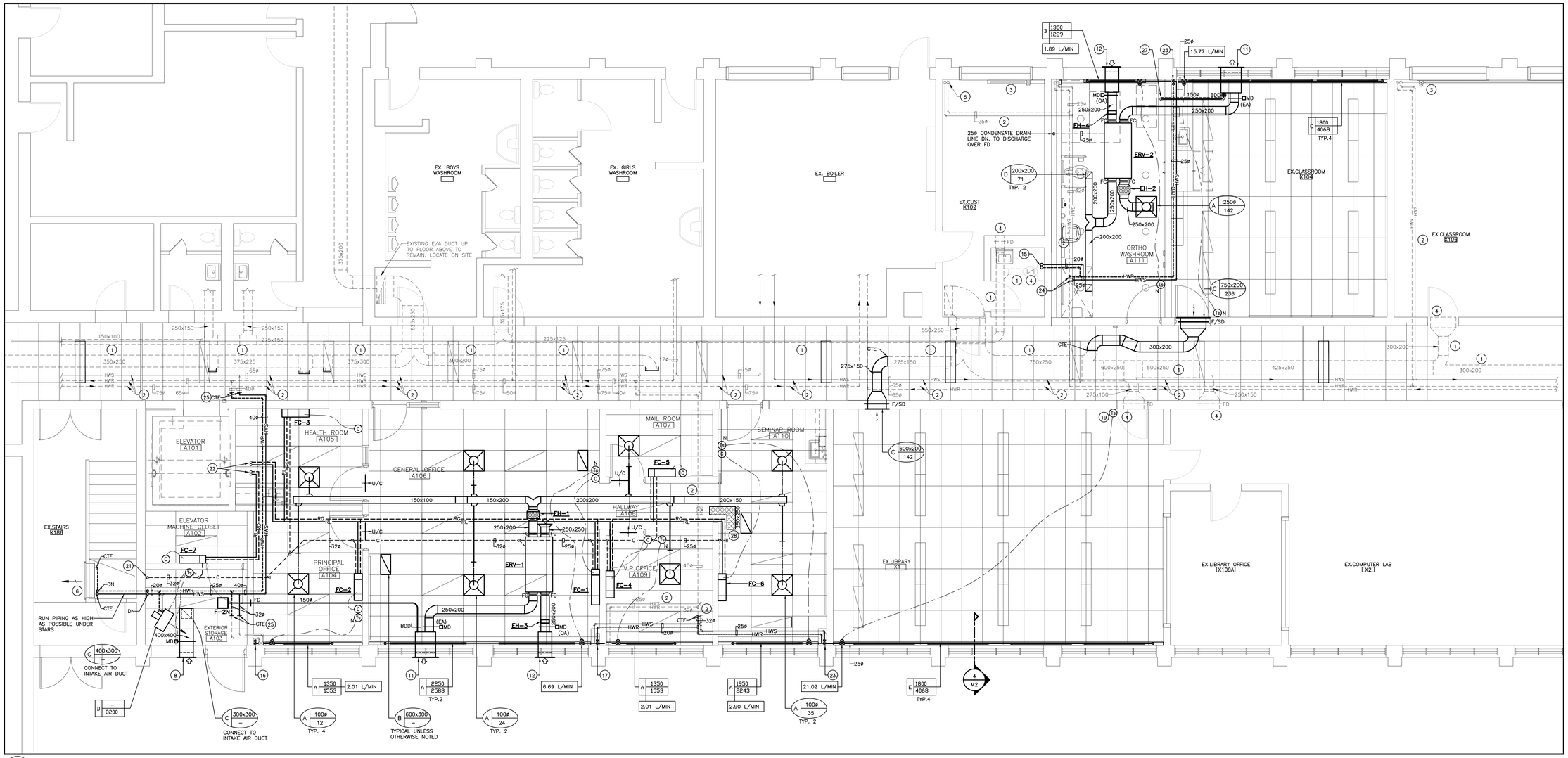
peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

HVAC -
PARTIAL PLANS -
DEMOLITION

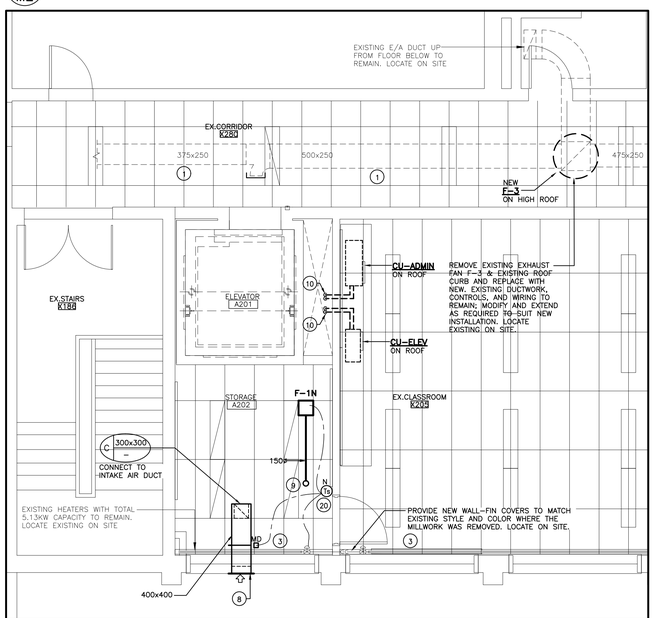
rybka Eliard Willson

| | |
|---|---|
| SCALE | AS NOTED |
| PROJECT | 26105 |
| DATE | MAY 2026 |
| DRAWN | J.Y. |
| CHECKED | SW |
| DRAWING | M1 |
| PRINT DATE | |
| REVIT FILE | |

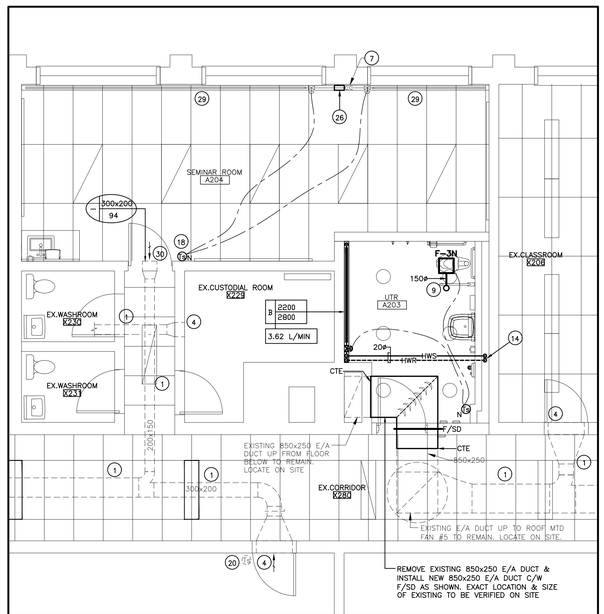
26023



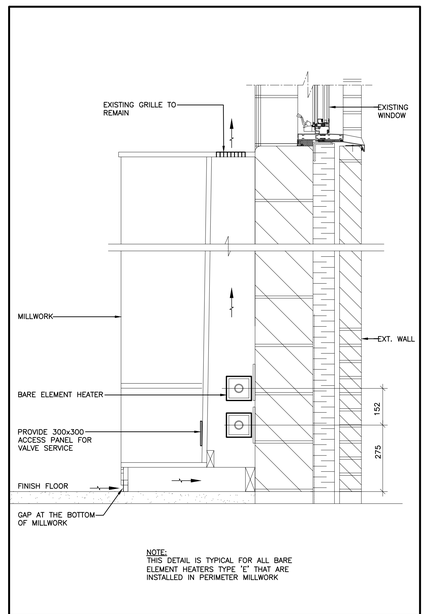

1 M2 PARTIAL GROUND FLOOR PLAN – NEW WORK
SCALE: 1:50




2 M2 PARTIAL SECOND FLOOR PLAN (1) – NEW WORK
SCALE: 1:50




3 M2 PARTIAL SECOND FLOOR PLAN (2) – NEW WORK
SCALE: 1:50




4 M2 SECTION
SCALE: 1:10

## KEYED NOTES

1. EXISTING DUCT TO REMAIN. LOCATE EXISTING ON SITE.
2. EXISTING HWS & HWR PIPING TO REMAIN. LOCATE EXISTING ON SITE.
3. EXISTING HEATER AND ASSOCIATED PIPING, VALVES, WIRING, CONTROLS, ETC TO REMAIN UNLESS OTHERWISE NOTED. LOCATE EXISTING ON SITE.
4. EXISTING REGISTER, GRILLE AND ASSOCIATED DAMPERS, DUCT TO REMAIN. LOCATE EXISTING ON SITE.
5. EXISTING HWS/HWR PIPING UP TO FLOOR ABOVE TO REMAIN. LOCATE EXISTING ON SITE.
6. EXISTING CABINET HEATER TO REMAIN. LOCATE EXISTING ON SITE.
7. EXISTING HWS/HWR PIPING UP FROM FLOOR BELOW TO REMAIN. LOCATE EXISTING ON SITE.
8. NEW 400 LONG x 400 HIGH WEATHERPROOF INTAKE AIR LOUVRE C/W BIRDSCREEN & DUCT COLLAR C/W MOTORIZED DAMPER
9. NEW 150ø E/A DUCT UP TO ROOF ABOVE C/W BDD UNDER ROOF DECK.
10. NEW REFRIGERANT PIPING UP FROM FLOOR BELOW AND UP TO ROOF ABOVE
11. NEW 600 LONG x 400 HIGH WEATHERPROOF RELIEF AIR LOUVRE C/W BIRDSCREEN & 600 DEEP PLENUM BEHIND LOUVRE.
12. NEW 600 LONG x 400 HIGH WEATHERPROOF INTAKE AIR LOUVRE C/W BIRDSCREEN & 600 DEEP PLENUM BEHIND LOUVRE.
13. NEW 400 LONG x 400 HIGH WEATHERPROOF RELIEF AIR LOUVRE C/W BIRDSCREEN & 600 DEEP PLENUM BEHIND LOUVRE.
14. NEW 20ø HWS/HWR PIPING UP FROM FLOOR BELOW.
15. NEW 20ø HWS/HWR PIPING UP TO FLOOR ABOVE.
16. NEW 20ø HWS/HWR PIPING CONNECTED TO EXISTING HWS/HWR PIPING IN CEILING SPACE AND DN. TO SERVE WALLFIN HEATER ON GROUND FLOOR.
17. NEW 20ø HWS/HWR PIPING DN. TO SERVE WALLFIN HEATERS ON GROUND FLOOR.
18. PROVIDE NEW TEMPERATURE SENSOR TO CONTROL EXISTING WALLFIN HEATERS IN NEW SEMINAR ROOM #A204 AND TIE TO EXISTING BAS SYSTEM.
19. CONNECT EXISTING TEMPERATURE SENSOR TO NEW WALLFIN HEATER AS SHOWN AND TIE TO EXISTING BAS SYSTEM. LOCATE EXISTING ON SITE.
20. PROVIDE NEW TEMPERATURE SENSOR FOR THE EXISTING WALLFIN HEATER & NEW EXHAUST FAN F-1 AS SHOWN AND TIE TO EXISTING BAS SYSTEM. LOCATE EXISTING ON SITE.
21. NEW 32ø CONDENSATE DRAIN LINE DN. TO DISCHARGE OVER FLOOR DRAIN.
22. NEW REFRIGERANT PIPING UP TO FLOOR ABOVE.
23. NEW 25ø HWS/HWR PIPING DN. TO SERVE WALLFIN HEATERS ON GROUND FLOOR.
24. CONNECT NEW 25ø HWS/HWR PIPING TO EXISTING 32ø HWS/HWR PIPING AT HIGH LEVEL IN CEILING SPACE. EXACT LOCATION & SIZE OF EXISTING TO BE VERIFIED ON SITE PRIOR TO BEGINNING NEW WORK.
25. CONNECT NEW 40ø HWS/HWR PIPING TO EXISTING 40ø HWS/HWR PIPING AT HIGH LEVEL IN CEILING SPACE. EXACT LOCATION & SIZE OF EXISTING TO BE VERIFIED ON SITE PRIOR TO BEGINNING NEW WORK.
26. PROVIDE NEW WALLFIN HEATER COVER AFTER THE EXISTING WALL REMOVED. COVER COLOR & SIZE TO MATCH EXISTING.
27. 100ø ALUMINUM WATER SEALED DRYER EXHAUST DUCT FROM DRYER TO LINT TRAP. 150ø FROM LINT TRAP TO PLENUM. LINT TRAP IN VERTICAL BY DIV. 23. NEW 150ø E/A DUCT FROM FIRE RATED CEILING TO AIR RELIEF PLENUM SHALL C/W ULC LISTED 3M FIRE RATED DUCT WRAP. FIRE RESISTANCE RATING TO MATCH RATING OF ASSEMBLY BEING PENETRATED. REFER TO 7/PD3 FOR DETAIL.
28. ACOUSTICALLY LINED DUCT ABOVE CEILING. REFER TO FLOOR PLAN FOR DUCT SIZE.
29. RE-PAINT THE EXISTING HEATER ENCLOSURE TO MATCH EXISTING.
30. CLEAN EXISTING GRILLE

| | | |
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Tel (905) 890-1099 Fax (905) 890-9453

HVAC - PARTIAL PLANS - NEW WORK

rybka Ellard Willson

| | |
|---|---|
| SCALE: AS NOTED | PROJECT: 26105 |
| DATE: MAY 2026 | |
| DRAWN: J.Y. | DRAWING: M2 |
| CHECKED: SW | |
| PRINT DATE | |
| REVIT FILE | |

26025

## SYMBOL LEGEND

| | |
|---|---|
| T | EXISTING THERMOSTAT |
| TS | EXISTING TEMPERATURE SENSOR |
| TS/N | NEW TEMPERATURE SENSOR |
| O.E.D | OPEN ENDED DUCT |
| | EXISTING TO BE REMOVED |
| | INTERNAL DUCT INSULATION (25mm THICK) |
| | DUCT SILENCER |
| | SUPPLY AIR DIFFUSER/REGISTER |
| | RETURN/EXHAUST AIR DIFFUSER/REGISTER |
| T | LOW VOLTAGE THERMOSTAT |
| TL | LINE VOLTAGE THERMOSTAT |
| H | HEATING TEMPERATURE SENSOR |
| C | COOLING TEMPERATURE SENSOR |
| MD | MOTORIZED DAMPER |
| | GLOBE VALVE |
| | BUTTERFLY VALVE |
| | CHECK VALVE |
| | CIRCUIT BALANCING VALVE |
| | 3 WAY MODULATING VALVE |
| | SOLENOID VALVE |
| | 2 WAY MODULATING VALVE |
| | PRESSURE RELIEF VALVE |
| | PET COCK |
| | LINE STRAINER |
| | GATE VALVE |
| | BALL VALVE |
| G | GAS PIPING |
| HWS | HOT WATER SUPPLY |
| HWR | HOT WATER RETURN |
| R | REFRIGERANT LIQUID AND GAS PIPES |
| RL | REFRIGERANT LIQUID |
| RG | REFRIGERANT GAS |
| TS | NEW TEMPERATURE SENSOR |
| C | CONDENSATE DRAIN |
| | PRESSURE GAUGE |
| | THERMOMETER |
| F.D. | FIRE DAMPER |
| B.D. | BALANCING DAMPER |
| B.D.D. | BACKDRAFT DAMPER |
| A.F.F. | ABOVE FINISHED FLOOR |
| C/W | COMPLETE WITH |
| U/C | UNDER CUT |
| S.A. | SUPPLY AIR |
| R.A. | RETURN AIR |
| E.A. | EXHAUST AIR |
| F.A. | FRESH AIR |
| FC | FLEXIBLE CONNECTION |
| CTE | CONNECT TO EXISTING |
| F/SD | COMBINATION FIRE/SMOKE DAMPER |
| | EXISTING TO BE REMOVED |
| | EXISTING DUCT |
| | NEW DUCT |
| | EXISTING TO BE RELOCATED |

## STARTER DESIGNATION

| SYMBOL | DESCRIPTION |
|---|---|
| FCM | FUSED COMBINATION MAGNETIC |
| CBCM | CIRCUIT BREAKER COMBINATION MAGNETIC |
| SMM | SURFACE MOUNTED MAGNETIC |
| SM | SURFACE MOUNTED MANUAL |
| RM | RECESS MOUNTED MANUAL |
| VFD | VARIABLE FREQUENCY DRIVE |
| CB | CIRCUIT BREAKER |
| HOA | HAND-OFF-AUTO SWITCH IN COVER |
| 120CT | 120V CONTROL TRANSFORMER |
| 24CT | 24V CONTROL TRANSFORMER |
| AU | AUXILLIARY CONTACTS IN MYLAR ENCLOSURE (TWO "NC" & TWO "NO") |
| PL | PILOT LIGHT |
| S/S | START/STOP SELECTOR SWITCH |

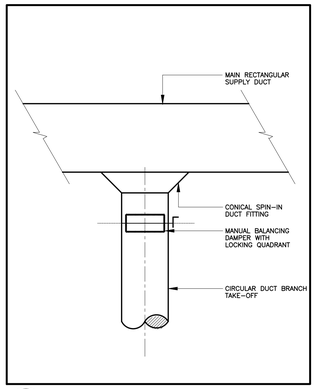
## FAN SCHEDULE

| FAN TYPE | FAN DUTY | MANUFACTURER | MODEL NO. | AIR VOLUME L/S | TOTAL S.P. PA | FAN RPM | MOTOR HP | POWER | STARTER | SONES | MOUNTING ARRANGEMENT | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F-1N | STORAGE #A202 VENTILATION | COOK | GC-148 | 47 | 100 | 1075 | 43.5 WATTS | 120V/1ø/60 | SMM, HOA, 120CT AU, PL | 2.5 | SUSPENDED FROM STRUCTURE | FIRE RATED, C/W VIBRATION ISOLATORS, INTAKE GRILLE AND "COOK" CEILING RADIATION DAMPER (CRD) |
| F-2N | EXTERIOR STORAGE #A103 VENTILATION | COOK | GC-148 | 47 | 100 | 1075 | 43.5 WATTS | 120V/1ø/60 | SMM, HOA, 120CT AU, PL | 2.5 | SUSPENDED FROM STRUCTURE | FIRE RATED, C/W VIBRATION ISOLATORS, INTAKE GRILLE AND "COOK" CEILING RADIATION DAMPER (CRD) |
| F-3N | UTR #A203 EXHAUST | COOK | GC-148 | 47 | 100 | 1075 | 43.5 WATTS | 120V/1ø/60 | SMM, HOA, 120CT AU, PL | 2.5 | SUSPENDED FROM STRUCTURE | FIRE RATED, C/W VIBRATION ISOLATORS, INTAKE GRILLE AND "COOK" CEILING RADIATION DAMPER (CRD) |
| F-3 | CLASSROOM EXHAUST | COOK | 245 ACED-EC | 1,652 | 150 | 612 | 1.25 HP | 208V/1ø/60 | FCM | 7.9 | ROOF MOUNTED | NEW FAN TO REPLACE EXISTING FAN F-3. C/W ECM MOTOR, 600mm HIGH PREF. ROOF CURB, BACKDRAFT DAMPER, DISCONNECT SWITCH, BIRDSCREEN. |
| EXISTING F-3 | CLASSROOM EXHAUST | – | – | 2,242 | 93 | – | 1.5 HP | 240V/1ø/60 | – | – | ROOF MOUNTED | EXISTING TO BE REPLACED WITH NEW |

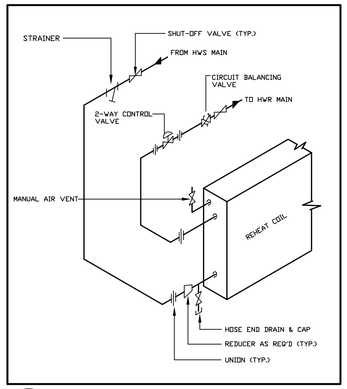
## ELECTRIC DUCT HEATER SCHEDULE

| UNIT REF. | SERVING AREA | HEATER TYPE | MODEL NO. | POWER | OUTPUT KW | STAGE | DUCT SIZE WIDTH mm | DUCT SIZE HEIGHT mm | AIR FLOW L/S | MCA (A) | MOP (A) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EH-1 | ADMIN AREA | "OXYGEN 8" ELECTRIC DUCT HEATER | "OXYGEN 8" OPEN COIL STANDARD, SLIP-IN | 208V/3ø/60 | 4 KW | 2 | 250 | 200 | 165 | 24 | 25 | ① ② ③ |
| EH-2 | ORTHO WASHROOM A111 | "OXYGEN 8" ELECTRIC DUCT HEATER | "OXYGEN 8" OPEN COIL STANDARD, SLIP-IN | 208V/3ø/60 | 4 KW | 2 | 250 | 200 | 142 | 24 | 25 | ① ② ③ |
| EH-3 | ADMIN AREA | "OXYGEN 8" ELECTRIC DUCT HEATER | "OXYGEN 8" OPEN COIL STANDARD, SLIP-IN | 208V/3ø/60 | 1 KW | 1 | 250 | 200 | 165 | ④ | ④ | |
| EH-4 | ORTHO WASHROOM A111 | "OXYGEN 8" ELECTRIC DUCT HEATER | "OXYGEN 8" OPEN COIL STANDARD, SLIP-IN | 208V/3ø/60 | 1 KW | 1 | 250 | 200 | 142 | ④ | ④ | |

NOTES:
① C/W BASIC CONTROL OPTION AND COOL/HEAT THERMOSTAT. BASIC CONTROL OPTION INCLUDES 1-STAGE HEATING CONTROL, AUTOMATIC AND MANUAL THERMAL CUTOUTS, AIRFLOW SWITCH, CONTROL TRANSFORMERS (FROM 208V TO 24V), DISCONNECT SWITCH AND CONTACTORS
② HEATER SHALL BE UL LISTING AND INSTALLED NOT LESS THAN 1200mm DOWNSTREAM FROM A FAN OUTLET, ABRUPT TRANSITON, ELBOW OR OTHER OBSTRUCTIONS AND NOT LESS THAN 600mm FROM OUTLET OF THE HEATER.
③ CONTRACTOR SHALL PROVIDE SHOP DRAWING AND WIRING DIAGRAM FOR ENGINEERING AND OWNER APPROVAL.
④ REFER TO ERV FOR POWER SUPPLY



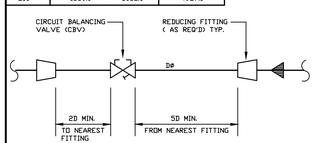

1 M3 TYPICAL ROUND DUCT TAKE-OFF DETAIL N.T.S.




2 M3 REHEAT COIL PIPING HOOK-UP N.T.S.

### VALVE SELECTION GUIDE
(BASED ON "TOUR & ANDERSSON")

| NOM. SIZE (mm) | NOM. FLOW (L/MIN.) | MAX. FLOW (L/MIN.) |
|---|---|---|
| 15 | UP TO 10.6 | 17.1 |
| 20 | 7.6 – 22.7 | 37.9 |
| 25 | 14.8 – 37.9 | 56.8 |
| 32 | 18.9 – 56.8 | 94.7 |
| 40 | 25.0 – 75.8 | 128.8 |
| 50 | 47.7 – 136.4 | 227.4 |
| 65 | 77.6 – 344.5 | 606.4 |
| 75 | 121.1 – 503.5 | 833.8 |
| 100 | 257.0 – 758.0 | 1212.8 |
| 125 | 341.0 – 1212.8 | 1970.8 |
| 150 | 689.0 – 1705.5 | 2653.0 |
| 200 | 1389.0 – 3032.0 | 4927.0 |




3 M3 TYPICAL CIRCUIT BALANCING VALVE DETAIL N.T.S.

## HOT WATER HEATER SCHEDULE

UNIT REF. — LENGTH (mm) / OUTPUT (W)

| UNIT REF. | MANUFACTURER AND MODEL NO. | HEATER TYPE | HEATING CAPACITY WATTS | E.W.T. °C | L.W.T. °C | WATER FLOW L/MIN. | E.A.T. °C | MOTOR HP | POWER | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| A | ENG. AIR WF-1A | FINNED TUBE RADIATION 1 ROW | SEE FLOOR PLANS | 82.2 | 71.1 | SEE FLOOR PLANS | – | – | – | 450mm HIGH SLOPE TOP ENCLOSURE, 32ø COPPER TUBE, 102mm x 102mm ALUMINUM FINS, 164 FINS/M ① |
| B | ENG. AIR WF-1B | FINNED TUBE RADIATION 1 ROW ELEMENT (MTD AT HIGH LEVEL) | SEE FLOOR PLANS | 82.2 | 71.1 | SEE FLOOR PLANS | – | – | – | 350mm HIGH SLOPE TOP & BOTTOM ENCLOSURE, 32ø COPPER TUBE, 102mm x 102mm ALUMINUM FINS, 164 FINS/M ① |
| C | ENG. AIR WF-1A | FINNED TUBE RADIATION 2 ROW | SEE FLOOR PLANS | 82.2 | 71.1 | SEE FLOOR PLANS | – | – | – | 600mm HIGH SLOPE TOP ENCLOSURE, 32ø COPPER TUBE, 102mm x 102mm ALUMINUM FINS, 164 FINS/M ① |
| D | ENG. AIR HUH-1 | HORIZONTAL UNIT HEATER | 8,200 | 82.2 | 71.1 | 10.98 | 15.6 | 1/6 | 120V/1ø/60 | 260 L/S AIR FLOW ① |
| E | ENG. AIR BARE ELEMENT | FINNED TUBE RADIATION 2 ROW | SEE FLOOR PLANS | 82.2 | 71.1 | SEE FLOOR PLANS | – | – | – | 32ø COPPER TUBE, 102mm x102mm ALUMINUM FINS, 164 FINS/M ① |

① UNLESS NOTED OTHERWISE HWS & HWR PIPING SIZE IS 20ø (3/4"ø)

## CONDENSING UNIT SCHEDULE

| UNIT REF. | AREA SERVED | MANUFACTURER AND MODEL NO. | HEATING (MBH) | HEATING (KW) | TOTAL COOLING (MBH) | TOTAL COOLING (KW) | POWER | M.C.A. | MOP | WEIGHT (KG) | REFRIGERANT | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CU-ADMIN | ADMIN AREA | "DAIKIN" RXTQ48AVJU | 32.3 | 9.47 | 47.57 | 13.94 | 208V/1ø/60 | 29.1 | 35.0 | 85 | R401A | C/W SNOW HOOD & WIND SCREEN ① |
| CU-ELEV | ELEVATOR MACHINE CLOSET #A102 | "DAIKIN" RKF12BVJU9 | N/A | N/A | 12.0 | 3.52 | 208V/1ø/60 | 14.6 | 15.0 | 30 | R32 | C/W SNOW HOOD & WIND SCREEN ① |

① NAVIGATION REMOTE CONTROLLER, ECO FOOT, VIBRATION ISOLATORS, LOW AMBIENT KIT.

## VARIABLE REFRIGERANT INDOOR FAN COIL SCHEDULE
(BASED ON "DAIKIN")

| SYSTEM REF. | UNIT REF. | AREA SERVED | MODEL NO. | VOLTAGE | COOLING CAPACITY MBH | COOLING CAPACITY Kw | HEATING CAPACITY BTU | HEATING CAPACITY Kw | MCA | WEIGHT KG | MOUNTING ARRANGEMENT | STARTER | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CU-ADMIN | FC-1 | GENERAL OFFICE #A106 | FXAQ18PVJU | 208/1ø/60 | 15.15 | 4.44 | 19.99 | 5.86 | 0.4 | 15 | WALL MOUNTED | MINI DISCONNECT SWITCH | C/W WIRED REMOTE CONTROL KIT, MINI CONDENSATE PUMP KIT |
| | FC-2 | PRINCIPAL OFFICE #A104 | FXAQ07PVJU | 208/1ø/60 | 6.3 | 1.85 | 8.5 | 2.49 | 0.3 | 12 | WALL MOUNTED | MINI DISCONNECT SWITCH | C/W WIRED REMOTE CONTROL KIT, MINI CONDENSATE PUMP KIT |
| | FC-3 | HEALTH ROOM #A105 | FXAQ07PVJU | 208/1ø/60 | 6.3 | 1.85 | 8.5 | 2.49 | 0.3 | 12 | WALL MOUNTED | MINI DISCONNECT SWITCH | C/W WIRED REMOTE CONTROL KIT, MINI CONDENSATE PUMP KIT |
| | FC-4 | V.P. OFFICE #A109 | FXAQ07PVJU | 208/1ø/60 | 6.3 | 1.85 | 8.5 | 2.49 | 0.3 | 12 | WALL MOUNTED | MINI DISCONNECT SWITCH | C/W WIRED REMOTE CONTROL KIT, MINI CONDENSATE PUMP KIT |
| | FC-5 | MAIL ROOM #A107 | FXAQ07PVJU | 208/1ø/60 | 6.3 | 1.85 | 8.5 | 2.49 | 0.3 | 12 | WALL MOUNTED | MINI DISCONNECT SWITCH | C/W WIRED REMOTE CONTROL KIT, MINI CONDENSATE PUMP KIT |
| | FC-6 | SEMINAR ROOM #A110 | FXAQ09PVJU | 208/1ø/60 | 8.0 | 2.34 | 10.5 | 3.08 | 0.3 | 15 | WALL MOUNTED | MINI DISCONNECT SWITCH | C/W WIRED REMOTE CONTROL KIT, MINI CONDENSATE PUMP KIT |
| CU-ELEV | FC-7 | ELEVATOR MACHINE CLOSET #A102 | FTKF12BVJU9 | 208/1ø/60 | 12.0 | 3.52 | N/A | | 0.4 | 10 | WALL MOUNTED | MINI DISCONNECT SWITCH | C/W WIRED REMOTE CONTROL KIT, MINI CONDENSATE PUMP KIT |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

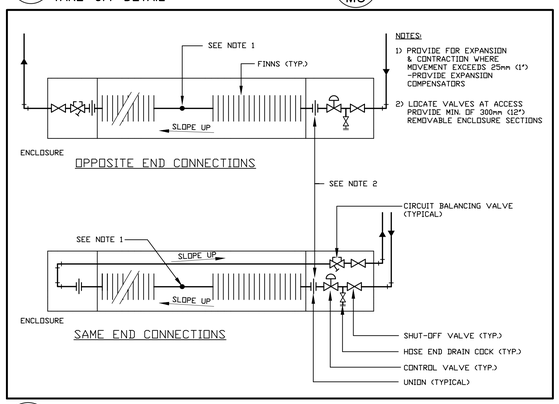
NOTE: STARTER SHALL BE PROVIDED AND INSTALLED AND PREWIRED ON THE UNIT BY UNIT MANUFACTURER AND DIV. 26 TO PROVIDE POWER TO STARTER. DISCHARGE TUBE LENGTH FOR MINI PUMP SHALL BE SITE MEASURED PRIOR TO ORDERING.

## DIFFUSER, GRILLE AND REGISTER SCHEDULE
(BASED ON "NAILOR")

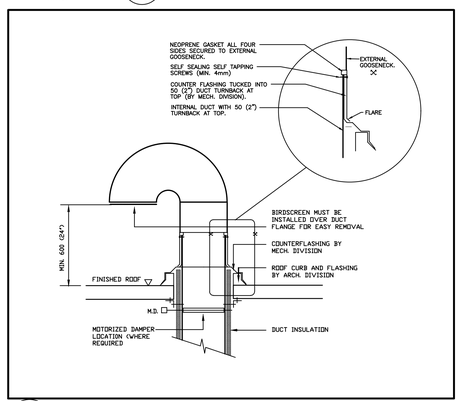
TYPE — SIZE (MM) / AIR VOLUME (L/S)

| TYPE | MODEL NO. | DESCRIPTION OR APPLICATION | BORDER OR FRAME | VOLUME CONTROL DAMPER | REMARKS* |
|---|---|---|---|---|---|
| A | NAILOR 4020 | FIRE RATED SQUARE SUPPLY DIFFUSER | LAY-IN TILE/SURFACE MOUNTED | – | FOR NECK SIZES REFER TO FLOOR PLANS ① |
| B | 4116 FIRE RATED GRILLE | FIRE RATED RETURN AIR GRILLE | LAY-IN TILE/SURFACE MOUNTED | – | FOR SIZES REFER TO FLOOR PLANS ① |
| C | 5145H | EXHAUST/TRANSFER REGISTER | LAY-IN TILE/SURFACE MOUNTED | YES | FOR SIZES REFER TO FLOOR PLANS ① |
| D | 4126 FIRE RATED GRILLE | FIRE RATED EXHAUST/TRANSFER GRILLE | LAY-IN TILE/SURFACE MOUNTED | YES | DUCTED, FOR SIZES REFER TO FLOOR PLANS ① |
| E | 49-240 | LINEAR BAR GRILLES | 13mm BAR SPACING, 25mm BOARDER | – | ② |
| – | | | | | EXISTING TO REMAIN |

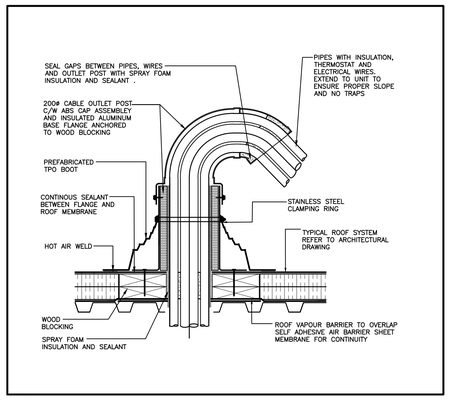
NOTES ① FINISH AS SELECTED BY ARCHITECT. ② FOR PERIMETER HEATING CUSTOM ENCLOSURE. WIDTH AS SHOWN ON DETAIL, LENGTH TO BE SAME AS MILLWORK, REFER TO ARCH. DWG., CONTINUOUS APPEARANCE. SUPPLIED BY DIV. 23, INSTALLATION BY GENERAL CONTRACTOR. REFER TO DETAIL 10/M3 FOR DETAIL.



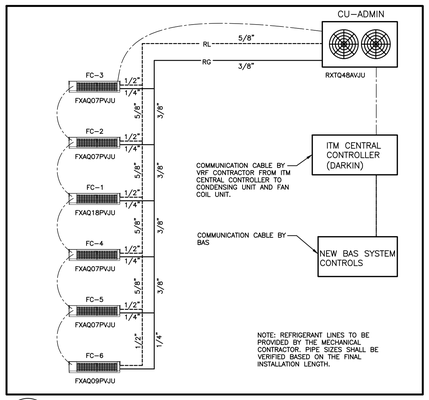

4 M3 FINNED TUBE RADIATION PIPING DETAIL (DOWN FEED) N.T.S.



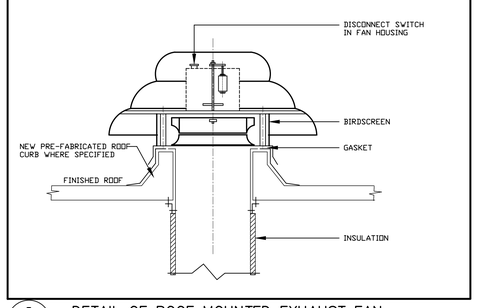

5 M3 GOOSENECK DETAIL N.T.S.



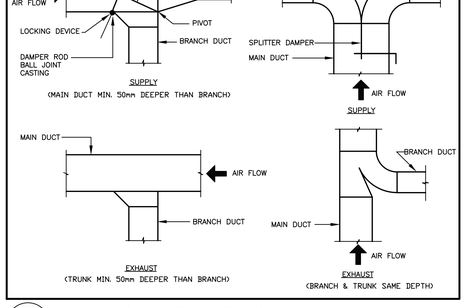

6 M3 CONDENSING UNIT PIPE OUTLET POST DETAIL N.T.S.




7 M3 VRF SYSTEM SCHEMATIC N.T.S.




8 M3 DETAIL OF ROOF MOUNTED EXHAUST FAN N.T.S.




9 M3 TYPICAL DUCT FITTING DETAILS N.T.S.

## ENERGY RECOVERY VENTILATOR (ERV)
(BASED ON "OXYGEN 8 SOLUTIONS INC")

| UNIT NO. | MODEL | UNIT: EXHAUST AIR CONDITION WINTER | UNIT: EXHAUST AIR CONDITION SUMMER | UNIT: FRESH AIR CONDITION WINTER | UNIT: FRESH AIR CONDITION SUMMER | SUPPLY FAN: * SUPPLY AIR TEMPERATURE WINTER | SUPPLY FAN: * SUPPLY AIR TEMPERATURE SUMMER | SUPPLY FAN: AIR VOLUME L/S | SUPPLY FAN: EXT. ST. PRESS. Pa | SUPPLY FAN: FAN RPM | SUPPLY FAN: MOTOR HP | SUPPLY FAN: DYNAMIC I.L. 63 | 125 | 250 | SUPPLY FAN: STARTER | EXHAUST FAN: AIR VOLUME L/S | EXHAUST FAN: EXT. ST. PRESS. Pa | EXHAUST FAN: FAN RPM | EXHAUST FAN: STARTER | EXHAUST FAN: MOTOR HP | EXHAUST FAN: DYNAMIC I.L. 63 | 125 | 250 | POWER | UNIT AND PREHEAT ELEC. HEATER ②: MCA AMPS | UNIT AND PREHEAT ELEC. HEATER ②: FLA AMPS | UNIT WEIGHT LBS | ERV ARRANGEMENT | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ERV-1 | OXYGEN 8 H041N-ERV | 22°CDB /30%RH | 23.9°CDB /50%RH | -17.8°CDB /-18.7°CWB | 31°CDB /23.1°CWB | 10.5°CDB/5.2°CWB | 25.8°CDB/19.1°CWB | 165 | 187 | 2407 | 1/2 | 68 | 62 | 62 | PACKAGE | 165 | 187 | 2504 | PACKAGE | 1/2 | 69 | 63 | 63 | 208/1ø/60 | 13.9 | 12.1 | 290 | – | ① ELECTRIC HEATER EH-3 REFER TO ELECTRIC DUCT HEATER SCHEDULE |
| ERV-2 | OXYGEN 8 H041N-ERV | 22°CDB /30%RH | 23.9°CDB /50%RH | -17.8°CDB /-18.7°CWB | 31°CDB /23.1°CWB | 11.9°CDB/6.2°CWB | 25.6°CDB/18.9°CWB | 142 | 187 | 2340 | 1/2 | 67 | 62 | 61 | PACKAGE | 142 | 187 | 2413 | PACKAGE | 1/2 | 68 | 62 | 62 | 208/1ø/60 | 13.9 | 12.1 | 290 | – | ① ELECTRIC HEATER EH-4 REFER TO ELECTRIC DUCT HEATER SCHEDULE |

NOTES: ① C/W VIBRATION ISOLATOR, FRESH AIR FILTER, FROST CONTROL, SINGLE POWER FEEDING, DISCONNECT SWITCH, INTERNAL CONTROL WIRING, AND FAN STARTERS. ② MAIN POWER SUPPLY TO THE ELECTRIC PRE-HEATER. FIELD WIRING FROM THE ELECTRIC PRE-HEATER TO THE ERV'S ELECTRICAL BOX IS REQUIRED ON SITE BY ELECTRICAL DIV.

| | | |
|---|---|---|
| 3 | ISSUED FOR TENDER | 5/27/26 |
| 2 | RE-ISSUED FOR BUILDING PERMIT | 5/25/26 |
| 1 | ISSUED FOR BUILDING PERMIT | 5/06/26 |

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT, AND MUST REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.

LICENSED PROFESSIONAL ENGINEER S.WANG 100118018 MAY 27/26 PROVINCE OF ONTARIO

BURNHAMTHORPE PUBLIC SCHOOL - ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

3465 GOLDEN ORCHARD DR. MISSISSAUGA, ONTARIO

LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

City File # SPA XXXXX

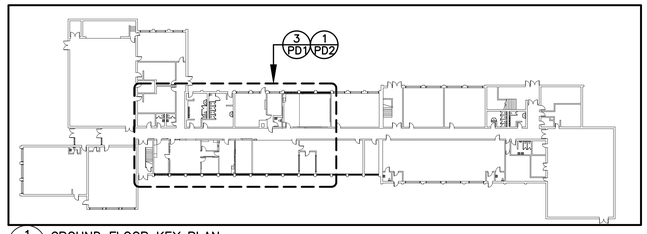
peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

HVAC - LENGENDS, DETAILS & SCHEDULES

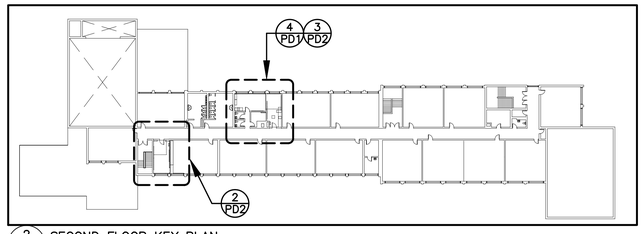
rybka Ellard Wilson

| | |
|---|---|
| SCALE NTS | PROJECT 26105 |
| DATE MAY 2026 | |
| DRAWN J.Y. | DRAWING M3 |
| CHECKED SW | |
| PRINT DATE | |
| REVIT FILE | |

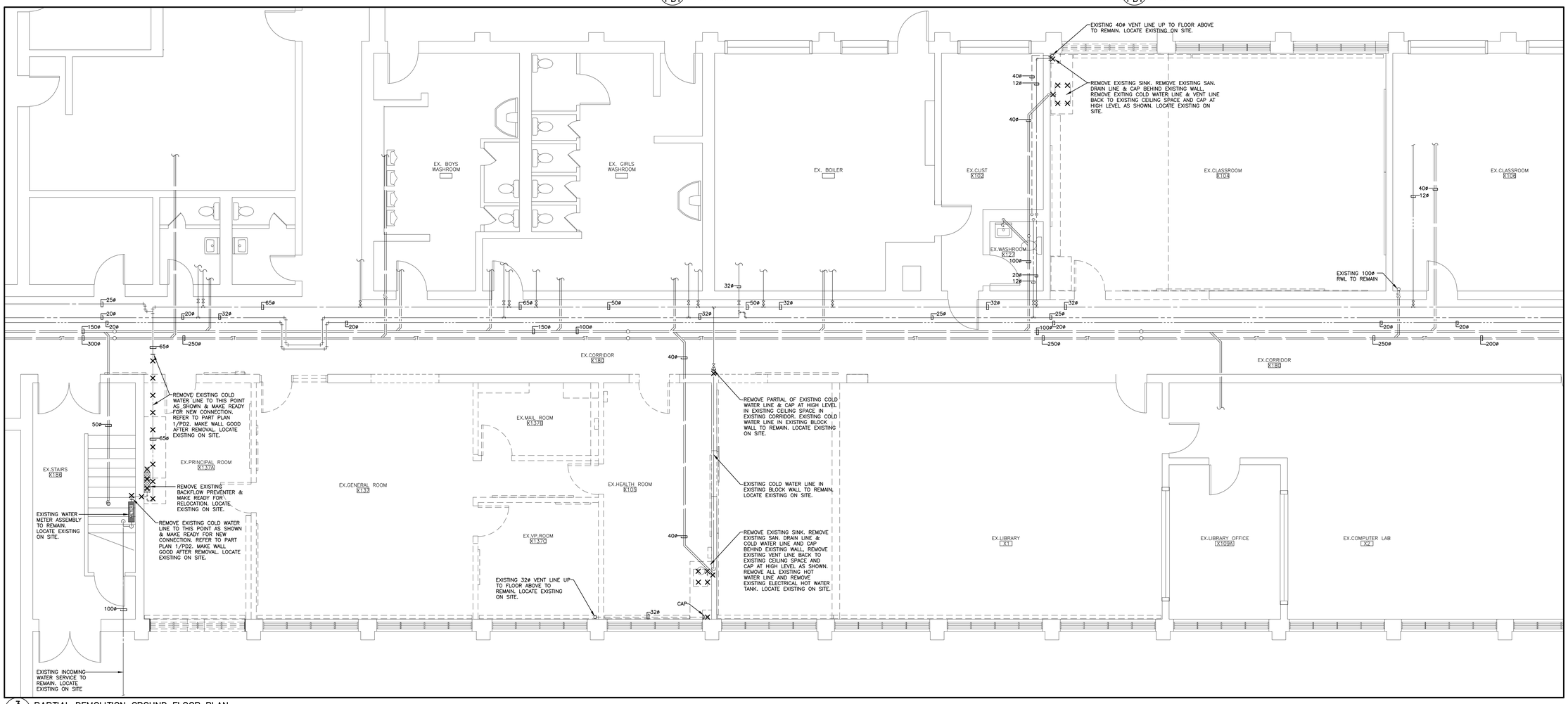
2025



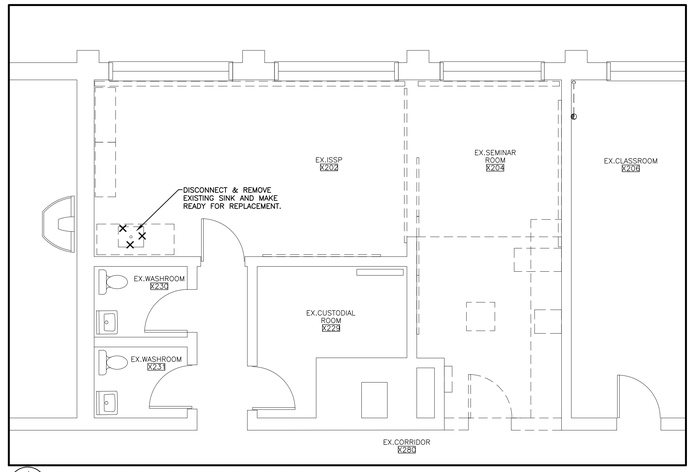

1 PD1 GROUND FLOOR KEY PLAN
SCALE: 1:500




2 PD1 SECOND FLOOR KEY PLAN
SCALE: 1:500




3 PD1 PARTIAL DEMOLITION GROUND FLOOR PLAN
SCALE: 1:50




4 PD1 PARTIAL DEMOLITION SECOND FLOOR PLAN
SCALE: 1:50

| | | |
|---|---|---|
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LICENSED PROFESSIONAL ENGINEER
S. WANG
100118018
MAY 27/26
FOR #26023
PROVINCE OF ONTARIO

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City File # SPA XXXXX

peel District School Board
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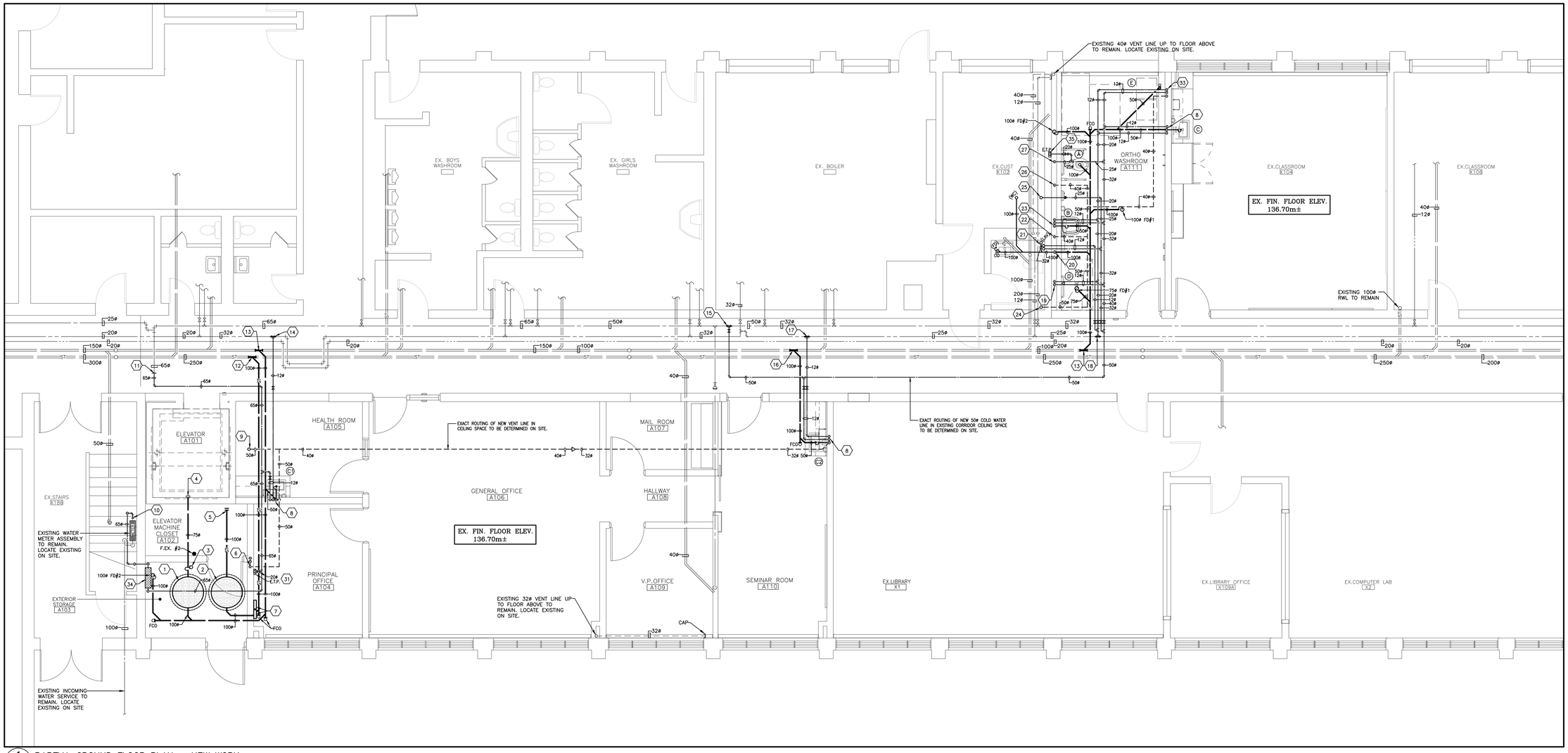
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-8453

PLUMBING & DRAINAGE - PARTIAL PLANS - DEMOLITION

rybka Ellard Willson

| | |
|---|---|
| SCALE | PROJECT |
| AS NOTED | 26105 |
| DATE | |
| MAY 2026 | |
| DRAWN | DRAWING |
| J.Y. | PD1 |
| CHECKED | |
| S.D.G | |
| PRINT DATE | |
| REVIT FILE | |

26023

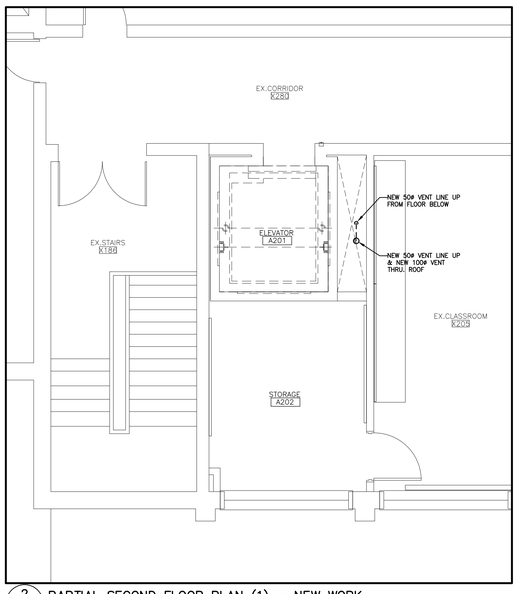



1 PD2 PARTIAL GROUND FLOOR PLAN – NEW WORK

SCALE: 1:50

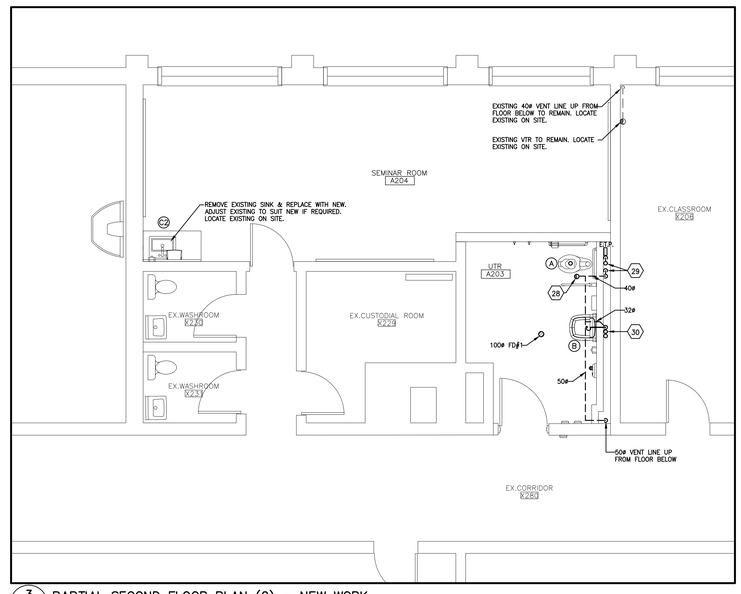
## KEYED NOTES

1. NEW 9004mmX2134mm DEEP FIBERGLASS SAN. SUMP PIT C/W PUMP. 100ø OUTLET PIPE @ INV. 136.24m. REFER TO DETAIL 3/PD3. LABEL TOP COVER WITH "SANITARY".
2. NEW 9004mmX2286mm DEEP FIBERGLASS ELEVATOR WEEPING TILE SUMP PIT C/W PUMP. REFER TO DETAIL 4/PD3. (EXACT LOCATION BY ARCHITECT) (NOTE: SUMP PIT 600mm BELOW ELEVATOR PIT, CONFIRM ELEV. PIT DEPTH WITH ARCH.) LABEL TOP COVER WITH "STORM".
3. NEW 75ø RUNNING TRAP C/W CO.
4. NEW 75ø ELEVATOR SHAFT DRAIN 'ZURN' Z-189 (PRIME & VENT TO CODE)
5. NEW 100ø WEEPING TILE CONNECTION @ INV. 134.98m±
6. NEW 50ø VENT LINE DOWN TO SERVE SANITARY SUMP PIT & SIDEWALL DRAIN AT ELEV. PIT & 1–FD.
7. NEW SAN. SUMP PIT AND NEW STM. SUMP PIT HIGH WATER ALARM PANEL LOCATED BELOW CEILING. COORDINATE ON SITE. PROVIDE LAMACOID LABEL ON EACH PANEL WITH "HIGH WATER ALARM STORM" OR "HIGH WATER ALARM SANITARY". CONNECT TO SECURITY PANEL. SEE ELECTRICAL DRAWINGS.
8. NEW 12ø VALVED HOT & COLD WATER LINES DOWN AND NEW 32ø VENT LINE UP AND 40ø SAN. DRAIN LINE DN WITH NEW 50ø SAN. DRAIN THRU FOOLR TO SERVE 1–SINK.
9. NEW 50ø VENT LINE UP TO FLOOR ABOVE.
10. CONNECT NEW 65ø COLD WATER LINE TO EXISTING 65ø COLD WATER LINE UNDER EXISTING STAIRS. REFER TO 5/PD3. LOCATE EXISTING ON SITE.
11. CONNECT NEW 65ø COLD WATER LINE TO EXISTING 65ø COLD WATER LINE IN EXISTING CEILING SPACE IN EXISTING CORRIDOR. REFER TO DEMO PLAN 3/PD1. LOCATE EXISTING ON SITE.
12. CONNECT NEW 100ø STORM DRAIN LINE TO EXISTING 100ø STORM DRAIN LINE IN EXISTING CORRIDOR. EXACT LOCATION, SIZE, AND INVERT OF EXISTING TO BE CONFIRMED ON SITE PRIOR TO BEGINNING ANY NEW WORK.
13. CONNECT NEW 100ø SAN. DRAIN LINE TO EXISTING 100ø SAN. DRAIN LINE IN EXISTING CORRIDOR. EXACT LOCATION, SIZE, AND INVERT OF EXISTING TO BE CONFIRMED ON SITE PRIOR TO BEGINNING ANY NEW WORK.
14. CONNECT NEW 12ø HOT WATER LINE TO EXISTING 32ø HOT WATER LINE IN EXISTING CEILING SPACE IN EXISTING CORRIDOR. EXACT LOCATION & SIZE OF EXISTING TO BE CONFIRMED ON SITE PRIOR TO BEGINNING NEW WORK.
15. CONNECT NEW 50ø COLD WATER LINE TO EXISTING 50ø COLD WATER LINE IN EXISTING CEILING SPACE IN EXISTING CORRIDOR. EXACT LOCATION & SIZE OF EXISTING TO BE CONFIRMED ON SITE PRIOR TO BEGINNING NEW WORK.
16. CONNECT NEW 100ø SAN. DRAIN LINE TO EXISTING 100ø SAN. DRAIN LINE IN EXISTING CORRIDOR. EXACT LOCATION, SIZE, AND INVERT OF EXISTING TO BE CONFIRMED ON SITE PRIOR TO BEGINNING ANY NEW WORK.
17. CONNECT NEW 12ø HOT WATER LINE TO EXISTING 25ø HOT WATER LINE IN EXISTING CEILING SPACE IN EXISTING CORRIDOR. EXACT LOCATION & SIZE OF EXISTING TO BE CONFIRMED ON SITE PRIOR TO BEGINNING NEW WORK.
18. CONNECT NEW 20ø HOT WATER LINE TO EXISTING 25ø HOT WATER LINE IN EXISTING CEILING SPACE IN EXISTING CORRIDOR. EXACT LOCATION & SIZE OF EXISTING TO BE CONFIRMED ON SITE PRIOR TO BEGINNING NEW WORK.
19. NEW VALVED 12ø HOT & COLD WATER LINES DN. TO SERVE 1– SHOWER.
20. NEW 100ø SAN. DRAIN LINE DN.
21. NEW 12ø VALVED HOT & COLD WATER LINES UP AND NEW 32ø SAN. DRAIN LINE FROM ABOVE TO SERVE 1–LAV..
22. NEW 40ø VENT LINE UP TO SERVE 1–SHOWER DRAIN & 1–LAV..
23. NEW 12ø VALVED HOT & COLD WATER LINES DN., NEW 32ø SAN. DRAIN LINE DN WITH NEW 50ø SAN. DRAIN THRU FOOLR TO SERVE 1–LAV..
24. NEW 50ø VENT LINE UP TO FLOOR ABOVE.
25. NEW 25ø VALVED COLD WATER LINE UP TO FLOOR ABOVE TO SERVE 1–WC.
26. NEW 40ø VENT LINE UP TO SERVE 1–FD & 1–WC.
27. NEW 25ø VALVED COLD WATER LINE DN. TO SERVE 1–WC. REFER TO DETAIL 6/PD3.
28. NEW 50ø VENT LINE UP & NEW 100ø VENT LINE THRU. ROOF.
29. NEW 40ø VENT LINE UP TO SERVE 1–WC, & 1–FD. NEW 25ø VALVED COLD WATER LINE UP FROM FLOOR BELOW TO SERVE 1–WC & 1–TRAP PRIMER. REFER TO DETAIL 6/PD3
30. NEW 12ø VALVED HOT & COLD WATER LINES UP FROM FLOOR BELOW AND NEW 32ø SAN. DRAIN LINE DN & 32ø VENT LINE UP TO SERVE 1–LAV..
31. 20ø VALVED COLD WATER LINE DOWN TO SERVE 1–ELECTRONIC TRAP PRIMING UNIT MTD. IN CEILING SPACE. RUN PRIMER LINES DN. IN WALL OR PIPE SPACE TO FD's.
32. NEW 12ø VALVED COLD WATER LINE DN. AND NEW 40ø SAN. DRAIN LINE DN & NEW 50ø SAN. DRAIN THRU FOOLR TO SERVE 1–SINK.
33. NEW 12ø VALVED HOT & COLD WATER LINES DN. & NEW 50ø STANDPIPE DRAIN LINE DN. (TRAPPED BELOW FLOOR) FROM WASHER BOX TO SERVE 1–CLOTH WASHER. NEW 40ø VENT LINE UP TO SERVE 1–SINK & 1–STANDPIPE. REFER TO DETAIL 7/PD3.
34. RELOCATE EXISTING BACKFLOW PREVENTER IN EXTERIOR STORAGE #A103 AS SHOWN. REFER TO DETAIL 5/PD3. LOCATE EXISTING ON SITE.
35. 20ø VALVED COLD WATER LINE DOWN TO SERVE 1–ELECTRONIC TRAP PRIMING UNIT. RUN PRIMER LINES DN. IN PIPE SPACE TO FD's. (SHOWER FD TO BE PRIMED).




2 PD2 PARTIAL SECOND FLOOR PLAN (1) – NEW WORK

SCALE: 1:50




3 PD2 PARTIAL SECOND FLOOR PLAN (2) – NEW WORK

SCALE: 1:50

| | | |
|---|---|---|
| 3 | ISSUED FOR TENDER | 5/27/26 |
| 2 | RE-ISSUED FOR BUILDING PERMIT | 5/25/26 |
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MAY 27 2026
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PLUMBING & DRAINAGE - PARTIAL PLANS - NEW WORK

rybka Ellard Willson

| | |
|---|---|
| SCALE: AS NOTED | PROJECT: 26105 |
| DATE: MAY 2026 | |
| DRAWN: J.Y. | DRAWING: PD2 |
| CHECKED: S.D.G | |
| PRINT DATE | |
| REVIT FILE | |

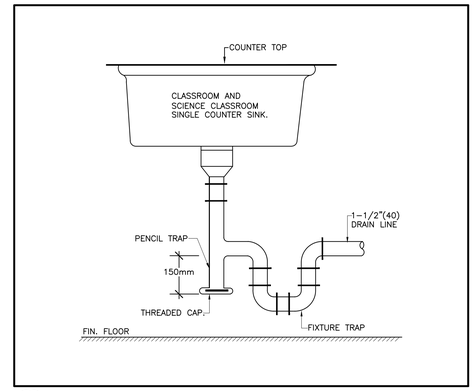
26023

## PLUMBING PIPING LEGEND

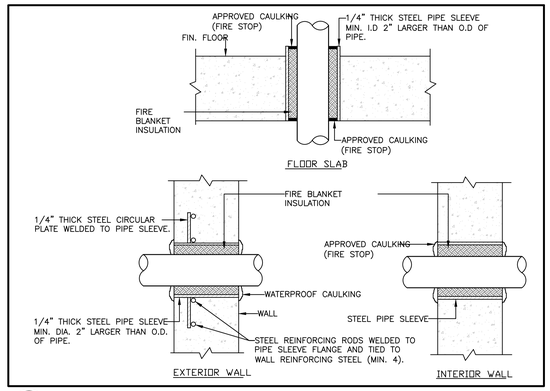
| SYMBOL | DESCRIPTION |
|---|---|
| | NEW SANITARY DRAIN LINE ABOVE FINISHED FLOOR |
| | NEW SANITARY DRAIN LINE BELOW FINISHED GRADE /FINISHED FLOOR |
| | NEW DOMESTIC COLD WATER LINE |
| | NEW DOMESTIC HOT WATER LINE |
| | NEW DOMESTIC HOT WATER RECIRCULATION LINE |
| | NEW SANITARY VENT LINE |
| C.O. C.O. | CLEAN OUT |
| F.EX. | FIRE EXTINGUISHER |
| F.EX. & C. | FIRE EXTINGUISHER IN CABINET |
| | EXIST. SANITARY DRAIN LINE ABOVE FINISHED GRADE/FINISHED FLOOR |
| | EXIST. SANITARY DRAIN LINE BELOW FINISHED GRADE/FINISHED FLOOR |
| ST | EXIST. STORM DRAIN LINE ABOVE FINISHED GRADE/FINISHED FLOOR |
| ST | EXIST. STORM DRAIN LINE BELOW FINISHED GRADE/FINISHED FLOOR |
| EX | EXIST. DOMESTIC COLD WATER LINE |
| EX | EXIST. DOMESTIC HOT WATER LINE |
| EX | EXIST. DOMESTIC HOT RECIRCULATION WATER LINE |
| EX | EXIST. SANITARY VENT LINE |
| | EXIST. PIPING TO BE REMOVED |

## PLUMBING FIXTURE LEGEND

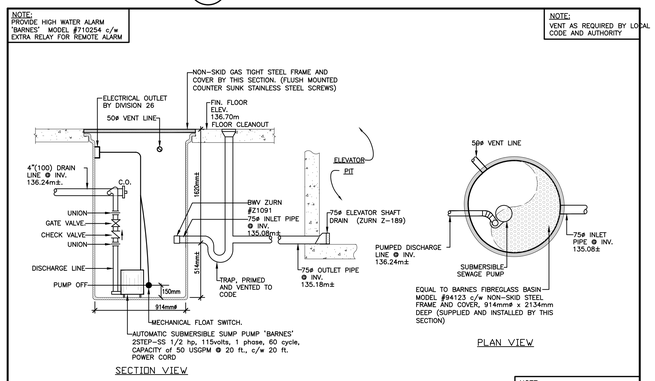
| FIX. REF. | FIXTURE | HOT WATER | HOT WATER | COLD WATER | DIR. DRAIN | VENT | REMARKS |
|---|---|---|---|---|---|---|---|
| A | WATER CLOSET F.M. (F.V.) | -- | -- | 25ø | 100ø | 40ø | BARRIER FREE PUBLIC |
| B | LAVATORY (WALL HUNG) | 12ø | -- | 12ø | 32ø | 32ø | BARRIER FREE-ELECTRONIC |
| C | COUNTER SINK | 12ø | 12ø | 12ø | 40ø | 32ø | CLASS ROOM SINGLE COMPARTMENT |
| C1 | COUNTER SINK | 12ø | 12ø | 12ø | 40ø | 32ø | HEALTH ROOM SINGLE COMPARTMENT |
| C2 | COUNTER SINK | 12ø | 12ø | -- | 40ø | 32ø | SEMINAR ROOM SINGLE COMPARTMENT |
| D | SHOWER | 12ø | -- | 12ø | 75 F.D. | 40ø | BARRIER FREE |
| E | AUTOMATIC WASHER | 12ø | -- | 12ø | 50ø | 40ø | |



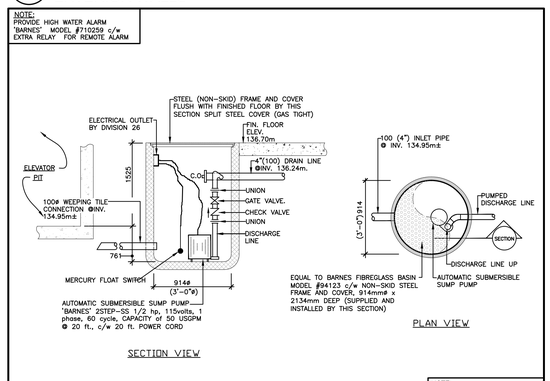

1 PD3 DETAIL OF CLASSROOM SINK WITH TRAP AND PENCIL TRAP
N.T.S.



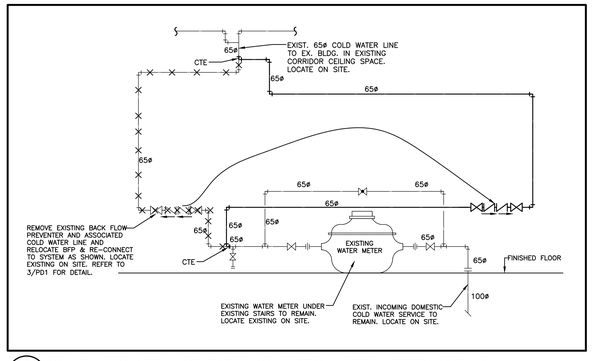

2 PD3 DETAIL OF PIPE SLEEVE THROUGH FLOOR SLAB INTERIOR AND EXTERIOR WALLS
N.T.S.



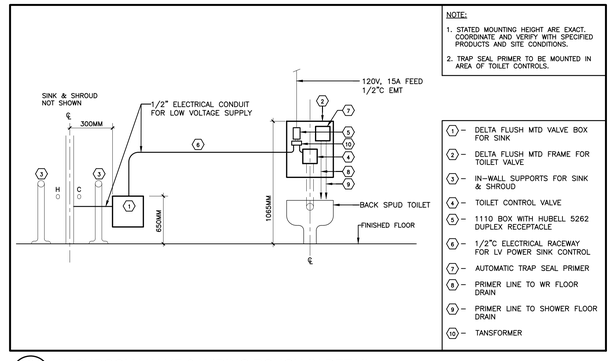

3 PD3 SCHEMATIC DETAIL OF ELEVATOR SUMP PIT AND PUMP
N.T.S.



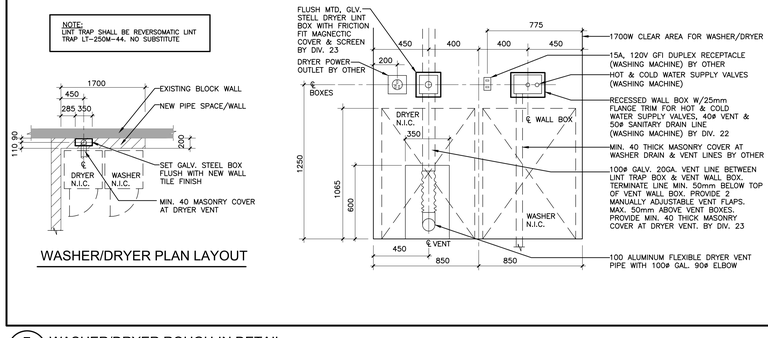

4 PD3 SCHEMATIC DETAIL OF ELEVATOR WEEPING TILE SUMP PIT AND PUMP
N.T.S.




5 PD3 SCHEMATIC DETAIL OF EXIST. DOMESTIC WATER METER ASSEMBLY
N.T.S.




6 PD3 WASHROOM VALVE & WIRING ROUGH-IN DETAIL
N.T.S.




7 PD3 WASHER/DRYER ROUGH-IN DETAIL
N.T.S.

| | | |
|---|---|---|
| 3 | ISSUED FOR TENDER | 5/27/26 |
| 2 | RE-ISSUED FOR BUILDING PERMIT | 5/25/26 |
| 1 | ISSUED FOR BUILDING PERMIT | 5/06/26 |

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT, AND MUST REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.

LICENCED PROFESSIONAL ENGINEER
S. WANG
100118018
PROVINCE OF ONTARIO

BURNHAMTHORPE PUBLIC SCHOOL - ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

3465 GOLDEN ORCHARD DR.
MISSISSAUGA, ONTARIO

LEGAL DESCRIPTION

BLOCK 'C' REGISTERED PLAN 716
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

City File # SPA XXXXX

peel District School Board
5650 HURONTARIO STREET
MISSISSAUGA, ON., L5R 1C6
Tel (905) 890-1099 Fax (905) 890-9453

PLUMBING & DRAINAGE - DETAILS & LEGENDS

rybka Ellard Willson

| | |
|---|---|
| SCALE NTS | PROJECT 26105 |
| DATE MAY 2026 | |
| DRAWN J.Y. | DRAWING PD3 |
| CHECKED S.D.G | |
| PRINT DATE | |
| REVIT FILE | |

# LEGEND OF SYMBOLS

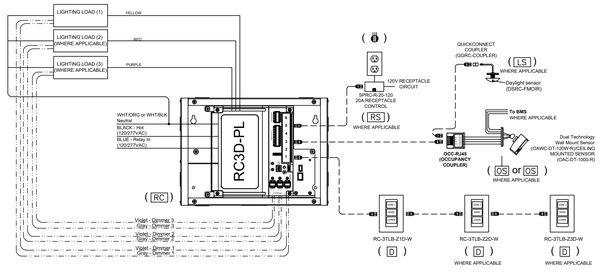
| | | | |
|---|---|---|---|
| | 2'x4' LED LIGHT FIXTURE, RECESSED MOUNTED. | P ☑ \| ☒ P | MANUAL/MAGNETIC MOTOR STARTER (P – DENOTES PILOT LIGHT, SUPPLIED BY DIV.25, INSTALLED BY DIV.26) |
| | 1'x4' LED LIGHT FIXTURE, RECESSED MOUNTED. | | WALL MOUNTED LOCKDOWN PUSH BUTTON AND EMERGENCY PHONE |
| | STRIP LIGHT MOUNTED IN COVE, VALANCE OR UNDER CABINET | S | WALL MOUNTED TELEPHONE OUTLET BOX C/W 21mm EC TERMINATED IN ACCESSIBLE CEILING SPACE FOR FUTURE BASIC MULTI-LINE HANDSET. (S-DENOTES HANDSET BY OTHERS). PROVIDE BLANK COVER PLATE. |
| | WALL MOUNTED LED LIGHT FIXTURE. | E/S | WALL MOUNTED TELEPHONE OUTLET BOX C/W TWO 21mm EC (ONE TERMINATED AT CABLE TRAY AND ONE TERMINATED IN ELEVATOR SHAFT) FOR AUXILIARY TELEPHONE SET IN ELEVATOR CAB. (TELEPHONE SET BY OTHERS). PROVIDE BLANK COVER PLATE. |
| | REMOTE EMERGENCY LIGHTING HEAD(S) (CONNECT TO EMERGENCY CIRCUIT). | EM | WALL MOUNTED EMERGENCY TELEPHONE OUTLET BOX C/W 21mm EC TERMINATED IN ACCESSIBLE CEILING SPACE FOR FUTURE EMERGENCY HANDSET. PROVIDE BLANK COVER PLATE. |
| | EXIT SIGN WALL OR CEILING MOUNTED WITH RUNNING MAN PICTOGRAM – ARROW DENOTES DIRECTION OF TRAVEL. ELECTRICAL CONTRACTOR MUST CONFIRM ON SITE WITH BUILDING INSPECTOR FOR THE CORRECT TYPE OF ALL NEW EXIT LIGHTS (LETTERING OR RUNNING MAN PICTOGRAM TYPE) BEFORE PLACING ORDER AND INSTALLATION. | | FLUSH MOUNTED CEILING P.A. SPEAKER, BACK BOX COMPLETE WITH ASSOCIATED 21mm EMPTY CONDUIT TERMINATED IN ACCESSIBLE CEILING SPACE. SHALL MATCH EXISTING |
| | EMERGENCY BATTERY UNIT C/W ASSOCIATED RECEPTACLE & HEAD(S) AS SHOWN | | WALL MOUNTED FLUSH P.A. SPEAKER, BACK BOX COMPLETE WITH ASSOCIATED 21mm EMPTY CONDUIT TERMINATED IN ACCESSIBLE CEILING SPACE. SHALL MATCH EXISTING |
| | 3 K 120 VOLT LIGHTING TOGGLE SWITCH – '3' DENOTES THREE WAY, 'K' DENOTES KEY SWITCH (SWITCHES SHALL BE GANGED TOGETHER). | | WALL MOUNTED OUTLET BOX FOR HANDICAPPED EMERGENCY PA CALL MOUNTED AT 1100mm AFF C/W 21mm EC TERMINATED IN ACCESSIBLE CEILING SPACE. PROVIDE BLANK COVER PLATE. |
| | P 120 VOLT MOTOR RATED SWITCH – P DENOTES C/W PILOT LIGHT | P | OUTLET FOR HANDICAP PUSH BUTTON. |
| | OCCUPANCY SENSOR. | F | INCLUSIVE WASHROOM EMERGENCY CALL STATION PUSH BUTTON AND AUDIBLE. . |
| | C W H 15A, 120V DUPLEX RECEPTACLE (W-DENOTES WASHER; H-DENOTES TAMPER-RESISTANT; C-DENOTES CEILING SPACE) | F | FIRE ALARM PULL STATION (SHALL MATCH EXISTING) COMPLETE WITH LEXAN COVER |
| | H 15A, 120V QUAD RECEPTACLE (H – FOR TAMPER-RESISTANT) | S | FIRE ALARM SMOKE DETECTOR (FSP-951A). SHALL MATCH EXISTING |
| | GFI 15/20A, 120V, 1ø GROUND FAULT INTERRUPTER COMBINATION DUPLEX RECEPTACLE ("NEMA" 5-20R 125V, 2POLE, 3 WIRE, GROUNDED) | H | FIRE ALARM HEAT DETECTOR (FST-951RA). SHALL MATCH EXISTING |
| | GFI 15A, 120V DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER HEIGHT – 'GFI' DENOTES GROUND FAULT INTERRUPTER TYPE (HUBBELL #GF5262) MOUNTED ABOVE COUNTER (150mm ABOVE BACK SPLASH). | DSD | FIRE ALARM DUCT SMOKE DETECTOR (C/W PILOT LIGHT) MOUNTED IN DUCT. SHALL MATCH EXISTING |
| | D 30A, 250V, 1PH SINGLE RECEPTACLE (FEEDER 3#8-21mmC) D-DENOTES FOR DRYER | FS | FLUSH MOUNTED FIRE ALARM CONE SPEAKER (SPRLA) – 'S' DENOTES COMPLETE WITH STROBE LIGHT (SPSRLA). SHALL MATCH EXISTING |
| | T F MD C SPECIAL OUTLET (SIZE AND EQUIPMENT AS NOTED, CONNECT TO EQUIPMENT). MD-MOTORIZED DAMPER, F-FAUCET, T-TOILET, C-CONTROLS | DC | SECURITY DOOR CONTACT C/W WIRING AND 21mmC UP TO ACCESSIBLE CEILING SPACE. |
| | HD HAND DRYER COMPLETE WITH 2#10 FEEDER (CONNECT TO UNIT). COORDINATE MOUNTING HEIGHT WITH MANUFACTURER. SEE SPECIFICATIONS. | ES | ELECTRIC STRIKE |
| | FSD 15A, 120V OUTLET FOR FSD – FIRE/SMOKE DAMPER (CONNECT TO EQUIPMENT) | MD MD | SECURITY MOTION DETECTOR C/W WIRING AND 21mmC UP TO ACCESSIBLE CEILING SPACE. |
| | H.O.A. CONTACTOR COMPLETE WITH PILOT LIGHT. | DH | OUTLET FOR DOOR HOLD OPEN DEVICE C/W 21mmEC UP TO ACCESSIBLE CEILING SPACE. |
| | ELECTRIC MOTOR (WIRING & EQUIPMENT AS NOTED) | | SCHOOL PA HORN/BELL |
| | WP RT DISCONNECT SWITCH (WP DENOTES WEATHERPROOF; RT DENOTES RAINTIGHT) | CP | CONTROL PANEL (REFER TO DETAIL #4, DRAWING E7) |
| | SURFACE OR FLUSH MOUNTED ELECTRICAL PANELS. | EX | DENOTES EXISTING ITEM TO REMAIN. |
| | T LINE VOLTAGE THERMOSTAT (SUPPLIED BY DIV. 23 AND INSTALLED BY DIV. 26) | ER | DENOTES EXISTING ITEM TO BE RELOCATED. EXTEND EXISTING CONDUIT & WIRES TO NEW LOCATION AND ADJUST ALL ASSOCIATED COMPONENTS TO SUIT) |
| | TS OUTLET BOX C/W 13mm EMPTY CONDUIT TERMINATED IN ACCESSIBLE CEILING SPACE FOR TEMPERATURE SENSOR. EXACT LOCATION SHALL BE COORDINATED WITH MECHANICAL DRAWINGS. (TEMPERATURE SENSOR AND WIRING BY MECHANICAL DIV.) | RP | DENOTES EXISTING ITEM IN RELOCATED POSITION. EXTEND EXISTING CONDUIT & WIRES FROM PREVIOUS LOCATION AND CONNECT. ADJUST ALL ASSOCIATED COMPONENTS TO SUIT |
| | S WALL MOUNTED P.A./TELEPHONE OUTLET BOX C/W 21mm EC TERMINATED IN ACCESSIBLE CEILING SPACE FOR FUTURE ADMINISTRATION (MASTER) HANDSET. PROVIDE BLANK COVER PLATE. | RM | DENOTES EXISTING ITEM TO BE REMOVED (REMOVE ASSOCIATED CONDUIT & WIRES). RETAIN THE INTEGRITY OF THE EXISTING CIRCUIT(S) AND ADJUST ALL COMPONENTS TO SUIT |
| | COMPUTER OUTLET BOX FOR FUTURE SINGLE JACK COVER PLATE AND 21mmEC UP TO ACCESSIBLE CEILING SPACE. | ER/RP | DENOTES EXISTING DEVICES TO BE TEMPORARILY DISCONNECTED AND REMOVED FROM THEIR LOCATIONS AND RE-INSTALLED TO THE ORIGINAL LOCATIONS AND CONNECTED TO THE SAME EXISTING ELECTRICAL CIRCUITS OR ZONE CIRCUITS. |

NOTES:

1. RJ45 QUICK CONNECT CABLE LENGTHS SHALL BE PROVIDED AS PER SITE MEASUREMENTS. REFER TO FLOOR PLAN(S).
2. AUTO-ON SEQUENCE FOR DIGITAL DIMMING CONTROL OF LIGHT FIXTURE(S) & RECEPTACLE(S):
   A. FOR DIGITAL LIGHTING CONTROL WITH ROOM CONTROLLER(S) IN TYPICAL CLASSROOM(S)/SPACE(S)/AREA(S); THE ROOM CONTROLLER(S) SHALL BE PROGRAMMED TO ACHIEVE THE FOLLOWING AUTO-ON SEQUENCE FOR LIGHT FIXTURE(S) & RECEPTACLE(S) IN RESPECTIVE CLASSROOM(S)/ROOM(S)/AREA(S):
      .1 WHEN ROOM/SPACE IS OCCUPIED; THE OCCUPANCY SENSOR(S) OF THE RESPECTIVE ROOM/SPACE THROUGH ROOM CONTROLLER(S) SHALL AUTOMATICALLY TURN "ON" ALL LIGHT FIXTURE(S) TO 50% OUTPUT LEVEL & ENERGIZE RECEPTACLE(S) CONNECTED TO RECEPTACLE RATED SWITCHPACK (WHERE APPLICABLE).
      .2 DIMMER SWITCH(ES) SHALL BE READY TO DIM OR RISE LIGHT FIXTURE(S) OUTPUT LEVEL AS PER USER DESIRED SETTING(S) USE OF THE RESPECTIVE LIGHTING/SWITCH ZONE(S).
      .3 100% OUTPUT LEVEL OF LIGHTING FIXTURE(S) OF EACH RESPECTIVE LIGHTING/SWITCH ZONE(S) IN THE RESPECTIVE ROOM/SPACE SHALL BE ACHIEVED MANUALLY EITHER BY PRESSING ON/OFF PUSH BUTTON OR DIMMING BUTTON(S) OF WALLSTATION(S)/DIMMER SWITCH(ES).
      .4 DAYLIGHT SENSOR (WHERE APPLICABLE) SHALL BE PROGRAMMED/SET SUCH THAT LIGHTING FIXTURE(S) MOUNTED IN BOTH PRIMARY SIDE LIGHTING AND SECONDARY SIDE LIGHTING (WHERE APPLICABLE) AREA(S) SHALL BE AUTOMATICALLY DIM/RISE TO MAINTAIN 45FC LIGHTING OUTPUT LEVEL AT ALL TIME IN BOTH SIDE LIGHTING AREA(S).
      .5 IF THE SPACE/ROOM IS NOT OCCUPIED FOR 20 MINUTES; OCCUPANCY SENSOR(S) SHALL TURN "OFF" ALL LIGHT FIXTURE(S) IN THE RESPECTIVE ROOM/SPACE & DE-ENERGIZE RECEPTACLE(S) CONNECTED TO RECEPTACLE RATED SWITCHPACK (WHERE APPLICABLE). STATUS OF DIMMER LIGHT SWITCH(ES) OF EACH RESPECTIVE LIGHTING/SWITCH ZONE(S) SHALL RESET TO UNOCCUPIED SETTINGS. (i.e. ROOM CONTROLLER(S) SHALL BE SET TO AUTO-ON SETTING FOR 50% OUTPUT LEVEL OF ALL LIGHT FIXTURES AS DESCRIBED ABOVE).
   B. FOR DIGITAL LIGHTING CONTROL IN GYMNASIUM; THE ROOM CONTROLLER(S) SHALL BE PROGRAMMED TO ACHIEVE THE FOLLOWING AUTO-ON SEQUENCE OF LIGHT FIXTURE(S) IN RESPECTIVE EACH HALF OF GYMNASIUM:
      .1 LIGHTING FIXTURE(S) ON CCT #1LB-15, 1LB-17, 1LB-19, 1LB-21, 1EL-12 IN EACH HALF OF GYM SHALL BE CONTROLLED THROUGH THE RESPECTIVE ROOM CONTROLLER(S) CONNECTED TO THE RESPECTIVE LIGHTING CIRCUIT(S). ROOM CONTROLLER(S) SHALL CONTROL GYM LIGHT FIXTURES IN EACH HALF OF GYM WITH ASSOCIATED TWO(2) OCCUPANCY SENSORS, SIX (6) 3-WAY WALL STATIONS (TWO PER LIGHTING CIRCUIT).
      .2 WHEN ANY HALF OF GYM IS OCCUPIED; THE OCCUPANCY SENSOR(S) THROUGH ROOM CONTROLLER(S) SHALL AUTOMATICALLY TURN "ON" ALL LIGHTING FIXTURE(S) TO 50% OUTPUT LEVEL OF RESPECTIVE HALF OF GYM AREA.
      .3 DIMMER SWITCH(ES) SHALL BE READY TO DIM OR RISE LIGHT FIXTURE(S) OUTPUT LEVEL AS PER USER DESIRED SETTING(S) USE OF THE RESPECTIVE LIGHTING/SWITCH ZONE(S).
      .4 100% OUTPUT LEVEL OF LIGHTING FIXTURE(S) OF EACH RESPECTIVE LIGHTING/SWITCH ZONE(S) IN RESPECTIVE EACH HALF OF GYM SHALL BE ACHIEVED MANUALLY EITHER BY PRESSING ON/OFF PUSH BUTTON OR DIMMING BUTTON(S) OF WALLSTATION(S)/DIMMER SWITCH(ES).
      .5 IF ANY HALF OF GYM IS NOT OCCUPIED FOR 20 MINUTES; OCCUPANCY SENSOR(S) SHALL TURN "OFF" ALL LIGHT FIXTURE(S) IN THE RESPECTIVE HALF OF GYM. STATUS OF DIMMER LIGHT SWITCH(ES) OF EACH RESPECTIVE LIGHTING/SWITCH ZONE(S) SHALL RESET TO UNOCCUPIED SETTINGS. (i.e. ROOM CONTROLLER(S) SHALL BE SET TO AUTO-ON SETTING FOR 50% OUTPUT LEVEL OF THE LIGHTING FIXTURE(S) AS DESCRIBED ABOVE).
3. ELECTRICAL CONTRACTOR SHALL INCLUDE IN TENDER PRICE FOR INSTALLATION, TESTING, TIME ADJUSTMENT, FUNCTIONAL TESTING AND COMMISSIONING OF OCCUPANCY SENSORS, ROOM CONTROLLERS, DAYLIGHT SENSORS, AND PROGRAMMING OF AUTO-ON SEQUENCE OF ALL LIGHTING CONTROL DEVICES FOR LIGHT FIXTURES ON A ROOM BY ROOM BASIS IN ENTIRE BUILDING, BY MANUFACTURER. SUBMIT VERIFICATION/COMMISSIONING REPORT AFTER COMPLETION OF WORK.

**LEGEND:**

| | |
|---|---|
| ——— | 120V CIRCUIT |
| – – – – | RJ45 QUICK CONNECT CABLE |
| -·-·-·- | 0-10V LOW VOLTAGE DIMMING CABLE |
| D | ROOM CONTROLLER WALLSTATION (LIGHT SWITCH/DIMMER – MOUNTED ON CLASSROOM CONTROL PANEL/WALL). EATON, CAT. #RC-3TLB-W. ALL WALL MOUNTED LV DIMMING SWITH(ES) SHALL BE COMPLETE WITH OUTLET BOX(ES) AND CONDUIT(S) TERMINATED IN ACCESSIBLE CEILING SPACE. BUTTONS SHALL BE COMPLETE WITH ENGRAVE 'ON/OFF OR ZONE'; 'RAISE'; 'LOWER' DESIGNATION. |
| RC | ROOM CONTROLLER EATON, CAT. #RC3D-PL |
| OS | DUAL TECH WALL MOUNTED OCCUPANCY SENSOR EATON, CAT. #DAWC-DT-120W-R C/W OCCUPANCY SENSOR COUPLER. EATON, #OCC-RJ45 |
| OS | DUAL TECH CEILING MOUNTED OCCUPANCY SENSOR EATON, CAT. #DAC-DT-1000-R C/W OCCUPANCY SENSOR COUPLER EATON, #OCC-RJ45 |
| LS | DAYLIGHT SENSOR (WHERE APPLICABLE) EATON, CAT. #DSRC-FMOIR C/W QUICK CONNECT COUPLER EATON, CAT. #GSRC-COUPLER (IN GYM, DAYLIGHT SENSOR SHALL BE C/W GGRC-SPLITTER) |
| RS | RECEPTACLE RATED SWITCHPACK (WHERE APPLICABLE) EATON. CAT. #SPRC-R-20-120 |
| | RECEPTACLE CONTROLLED BY OCCUPANCY SENSOR THROUGH RECEPTACLE RATED SWITCHPACK/ROOM CONTROLLER REFER TO ELECTRICAL FLOOR PLAN(S) FOR POWER LAYOUT(S) FOR EXACT LOCATION(S) AND CIRCUIT NUMBER(S) IN EACH RESPECTIVE ROOM(S)/AREA(S). |

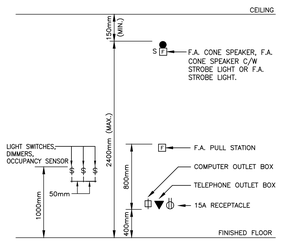



**1 / E1 TYPICAL SCHEMATIC WIRING DIAGRAM FOR ROOM(S)/AREA(S) WITH ONE(1) ROOM CONTROLLER & ONE (1) CIRCUIT**

SCALE: N.T.S.

# GENERAL NOTES

1. FOR EXACT LOCATION OF LIGHTING FIXTURES REFER TO ARCH. DRAWINGS
2. FOR EXACT LOCATION OF ALL A/C UNITS, PUMPS, MOTORS, HEATERS, ETC.., SEE MECH. DRAWINGS.
3. ALL RECEPTACLES LOCATED FURTHER THAN 100FT FROM THE CORRESPONDING LIGHTING PANELS SHALL BE WIRED WITH #10 AWG
4. EXACT LOCATION FOR ALL OUTLETS SHALL BE DETERMINED BY THE ARCHITECT PRIOR TO ROUGHING-IN.
5. CO-ORDINATE ALL WORK WITH MECHANICAL CONTRACTOR AND WITH CONTROLS CONTRACTOR (BAS)
6. STARTERS FOR FANS SHALL BE LOCATED ADJACENT TO CORRESPONDING LIGHTING PANELS UNLESS OTHERWISE SHOWN
7. ELECTRICAL CONTRACTOR SHALL CO-ORDINATE THEIR WORK TO SUIT THE PROJECT PHASE SCHEDULE
8. ALL NEW ELECTRICAL EQUIPMENT i.e. DUPLEX RECEPTACLES, F.A. PULL STATIONS, SWITCHES/DIMMERS, ETC. SHALL BE FLUSH MOUNTED EXCEPT IN MECHANICAL ROOMS WHERE SURFACE MOUNTED INSTALLATION IS ACCEPTABLE
9. ALL SYSTEMS CONDUIT(S) SHALL BE INSTALLED CONCEALED IN WALL(S) IN ALL AREAS. IF THE WALL(S) ARE NOT ACCESSIBLE/FEASIBLE FOR CONDUITS TO INSTALL INSIDE THE WALL THEN SURFACE MOUNTED SHALLOW WIREMOLD RACEWAY SHALL BE INSTALLED. INSTALLATION OF SURFACE MOUNTED CONDUIT IS NOT ACCEPTABLE.
10. PROVIDE STAINLESS STEEL BLANK COVER PLATE FOR ALL UNUSED OUTLET BOX.
11. PROVIDE BUSHINGS AT BOTH ENDS OF EACH CONDUIT/SLEEVE TERMINATED IN CEILING SPACE. ALL SLEEVES SHALL BE FILLED WITH FIRE STOP CAULKING AFTER ALL WIRES HAVE BEEN PULLED. COORDINATE WITH ALL TRADES AND ON SITE.
12. PROVIDE TYPED WRITTEN UPDATED PANEL DIRECTORIES FOR ALL EXISTING PANELS AFFECTED BY THIS RENOVATION/ADDITION.
13. TIME OFF DELAY (TOD) FOR ALL OCCUPANCY SENSORS SHALL BE SET TO 20 MINUTES FOR ALL AREAS TO SUIT ASHRAE REQUIREMENTS.
14. PROVIDE TEMPORARY CONSTRUCTION POWER AND LIGHTING IN ORDER TO MAINTAIN LEVELS OF CONSTRUCTION AND SAFETY.
15. REMOVAL AND RE-INSTALLATION OF CEILING TILES TO SUIT ALL NEW ELECTRICAL SERVICES/EQUIPMENT SHALL BE BY ELECTRICAL CONTRACTOR'S SCOPE OF WORK.




**NOTES :**

1. IN AREAS WHERE CEILING IS ABOVE 2600mm, ELECTRICAL CONTRACTOR SHALL DO THE FOLLOWING:
   - FIRE ALARM AUDIBLE DEVICES SHALL BE INSTALLED SO THAT THE TOP OF THE DEVICE WILL NOT BE LESS THAN 2300mm AFF. AND NOT MORE THAN 2400mm.
   - FIRE ALARM VISUAL DEVICES SHALL BE INSTALLED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 2000mm AND NOT MORE THAN 2400mm AFF.
2. IF THERE ARE MORE THAN ONE WIRING DEVICE AT THE SAME LOCATION, THEY SHALL BE MOUNTED VERTICALLY.
3. INSTALL FIRE ALARM SYSTEM IN ACCORDANCE WITH LATEST FIRE ALARM SYSTEM INSTALLATION CAN/ULC-S524-14.

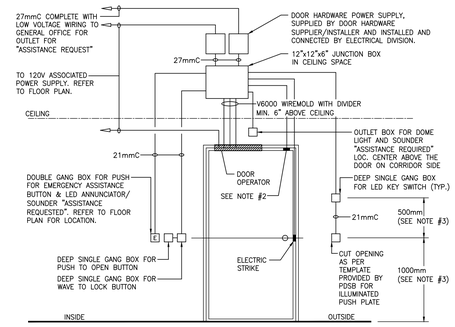
**2 / E1 TYPICAL INSTALLATION OF ELECTRICAL DEVICES**

SCALE: N.T.S.

# ELECTRICAL EQUIPMENT MOUNTING HEIGHTS:

(HANDICAP ACCESSIBLE AREAS)

1. ELECTRICAL OUTLETS AND TELEPHONE OUTLETS: 400mm A.F.F. TO BOTTOM OF OUTLET (IN CORRIDORS, OFFICES, ETC...)
2. LIGHT SWITCHES: 1000mm A.F.F. TO THE TOP OF SWITCHES
3. THERMOSTAT "SENSING" DEVICES: 1200mm A.F.F. TO THE TOP OF OUTLET BOX. (SEE MECHANICAL).
4. FIRE ALARM PULL STATIONS: 1200mm A.F.F. TO THE TOP OF OUTLET (COORDINATE WITH BUILDING AND FIRE DEPARTMENT)
5. WALL MOUNTED P/A SPEAKER BOXES: 2200mm A.F.F. TO BOTTOM OF BOX
6. ELECTRICAL PANELS: 1980mm A.F.F. TO TOP OF PANEL (SEE SPECIFICATION)
7. COORDINATE ALL MOUNTING HEIGHTS WITH ARCHITECT/OWNER PRIOR TO ANY ROUGH-IN.




**NOTES :**

1. ALL CONDUITS ARE 21mm (3/4") UNLESS OTHERWISE NOTED.
2. LOCAL DOOR CONTACT FOR DOOR OPERATOR INTERLOCK OPERATION (THIS DOOR CONTACT IS NOT REQUIRED TO BE CONNECTED TO THE SECURITY SYSTEM)
3. COORDINATE EXACT LOCATION/MOUNTING HEIGHT OF OUTLETS WITH ARCHITECT/PDSB STANDARDS
4. ALL LOW VOLTAGE WIRING SHALL BE MINIMUM 10#18AWG, SUPPLIED AND INSTALLED BY ELECTRICAL DIVISION. COORDINATE ALL WORK WITH DOOR HARDWARE INSTALLER ON SITE.
5. LOW VOLTAGE WIRING FROM B.F. WASHROOM EMERGENCY ASSISTANCE TO ANNUNCIATOR BOX LOCATED IN GENERAL OFFICE SHALL BE MINIMUM 2#14AWG, SUPPLIED AND INSTALLED BY ELECTRICAL DIVISION. COORDINATE ALL WORK WITH DOOR HARDWARE INSTALLER ON SITE.

**3 / E1 B.F. W/R DOOR OPERATOR SCHEMATIC**

SCALE: N.T.S.

**LEGEND:**

---------- EXISTING EQUIPMENT

——— NEW EQUIPMENT

**NOTES :**

1. PROVIDE NEW BREAKERS IN EXISTING PANEL AS SHOWN. TYPE OF THE NEW BREAKERS SHALL MATCH EXISTING. NEW BREAKERS KAIC RATING SHALL MATCH THE EXISTING PANELS KAIC RATING.
2. PROVIDE 1-2P H.O.A. CONTACTOR TO CONTROL CIRCUIT BY BAS SYSTEM CIRCUIT CCT.#D-35 (COORDINATE WITH BAS SECTION)
3. PROVIDE 4-4P H.O.A. CONTACTORS TO CONTROL CIRCUIT BY BAS SYSTEM CIRCUIT CCT.#X-1/3/5, 7/9/11, 10D-19/21/23 & 25/27/29 (COORDINATE WITH BAS SECTION)
3. PROVIDE TYPE WRITTEN UPDATED DIRECTORIES FOR ALL EXISTING PANELS AFFECTED BY THIS RENOVATION.
4. ALL PANEL DIRECTORIES SHALL REFER TO EXISTING ROOM NAMES & NUMBERS (COORDINATE WITH THE SCHOOL BOARD).

## EXISTING LIGHTING PANEL SCHEDULE

(PROVIDE NEW BREAKERS IN EXISTING PANELS AS SHOWN. NEW BREAKERS SHALL MATCH EXISTING. ADJUST ALL COMPONENTS TO SUIT)

| LIGHTING PANEL | LOCATION | NO. 15A-1P BREAKERS AND THEIR CIRCUITS | NO. 20A-1P BREAKERS AND THEIR CIRCUITS | NO. OF OTHER BREAKERS AND THEIR CIRCUITS | NO. 15A-1P SPARE BREAKERS AND THEIR CIRCUITS | NO. 20A-1P SPARE BREAKERS AND THEIR CIRCUITS | REMARKS |
|---|---|---|---|---|---|---|---|
| LP-X | EXISTING GRD FLOOR COMPUTER LAB #2 | 9 (CCT'S.#19,21,25,27, 29,31,35,41,20) | 1 (CCT'S.#23) | 1-15A/1P GFI BRKR (CCT.#33)<br>1-30A/2P BRKR (CCT.#37/39)<br>1-20A/2P BRKR (CCT.#15/17)<br>1-15A/3P BRKR (CCT.#1/3/5)<br>1-25A/3P BRKR (CCT.#7/9/11) | 1 (CCT.#41) | 1 (CCT.#13) | EXISTING SIEMENS 225A,42OCCTS,120/208V,3ø,4W FLUSH MOUNTED PANEL |
| LP-D | EXISTING 2ND FLOOR CUSTODIAN #229 | ---------- | 9 (CCT'S.#12,14,16,18, 20,22,24,26,30,32,29, 35) | 1-15A/1P GFI BRKR (CCT.#28)<br>1-20A/2P BRKR (CCT.#34/36)<br>1-35A/3P BRKR (CCT.#38/40/42)<br>1-15A/3P BRKR (CCT.#37/39/41) | 1 (CCT.#31) | 1 (CCT.#33) | EXISTING FEDERAL PIONEER 225A,2-42CCTS,120/208V,3ø,4W SURFACE MOUNTED PANEL |

## NEW LIGHTING PANEL SCHEDULES

| LIGHTING PANEL | LOCATION | NO. 15A-1P BREAKERS AND THEIR CIRCUITS | NO. 20A-1P BREAKERS AND THEIR CIRCUITS | NO. OF OTHER BREAKERS AND THEIR CIRCUITS | NO. OF SPARE BREAKERS AND THEIR CIRCUITS | REMARKS |
|---|---|---|---|---|---|---|
| LP-'1GO' | NEW GRD FLOOR MAIL RM #A107 | 35 (CCT'S.#1,3,7 TO 13;31; 33;35;41;2 TO 10; 14 TO 52) | 2 (CCT'S.#5;12) | 1-15A/2P BRKR (CCT.#15/17)<br>1-15A/3P BRKR (CCT.#25/27/29)<br>1-25A/3P BRKR (CCT.#19/21/23)<br>2-25A/1P BRKR (CCT.#37,38) | 4-20A/1P (CCT'S.#53 TO 59)<br>4-15A/1P (CCT'S.#54 TO 60) | 225A MAINS, 60 CCTS,120/208V,3ø,4W, 14kAIC FLUSH MOUNTED 'NQOD' PANEL (SHALL MATCH EXISTING) |

1. PROVIDE 1-25mm EC UP TO CEILING SPACE FROM ALL PANELS.
2. ALL PANEL DIRECTORIES (FOR NEW AND EXISTING AFFECTED BY THIS RENOVATION) SHALL REFER TO ARCHITECTURAL ROOM NUMBER AND NEW SCHOOL ROOM NUMBERS IN BRACKETS. PROVIDE TYPE WRITTEN UPDATED DIRECTORIES FOR ALL EXISTING PANEL AFFECTED BY THIS RENOVATION.
3. ALL PANEL DIRECTORIES SHALL REFER TO ARCHITECTURAL ROOM NUMBERS AND NEW SCHOOL ROOM NUMBERS IN BRACKETS (COORDINATE WITH THE SCHOOL BOARD).
4. FLUSH MOUNTED PANELS SHALL BE FULLY GASKETED AND WITHOUT DRIP SHIELD.

PROJECT NORTH / TRUE NORTH

| NO | ISSUED | DATE |
|---|---|---|
| 3 | ISSUED FOR TENDER | JUN.04/26 |
| 2 | ISSUED FOR BUILDING PERMIT | MAY.6/26 |
| 1 | ISSUED FOR 50% SUBMISSION | APR.6/26 |

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LICENCED PROFESSIONAL ENGINEER – MOZAFFAR 100035724 – May 27, 2026 – PROVINCE OF ONTARIO

BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

peel District School Board
3546 SOUTH COMMON COURT, MISSISSAUGA, ON L5L 2B1

ELECTRICAL LEGEND OF SYMBOLS AND DETAILS

PDSB TENDER #

rybka Ellard Wilson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

| | |
|---|---|
| SCALE: AS SHOWN | PROJECT: 26105 |
| DATE: JUNE 4, 2026 | |
| DRAWN: CAD | DRAWING: E1 |
| CHECKED: R.R. | |
| PRINT DATE | JUNE 4, 2026 |
| CAD FILE | X:\2026\26023 |

## NOTES:

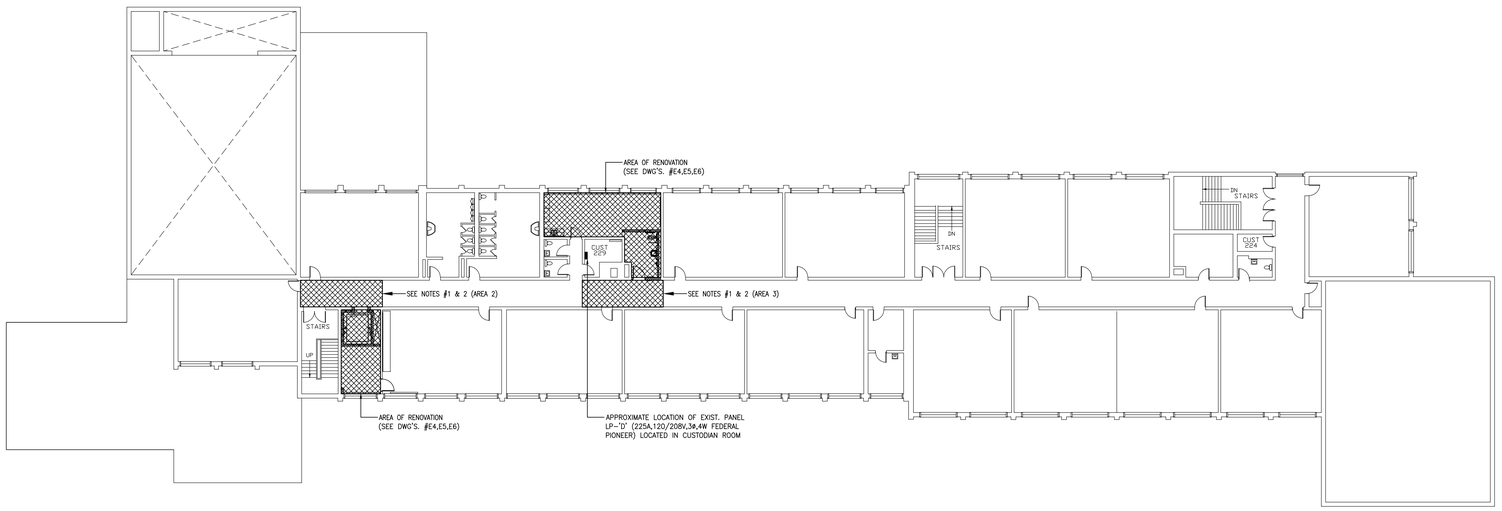
1. TO SUIT CONSTRUCTION HOARDING AND STRUCTURE WORK, ELECTRICAL CONTRACTOR SHALL TEMPORARILY DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES, EMERGENCY HEADS, P.A. SPEAKERS, SMOKE DETECTORS, MOTION DETECTOR, CCTV, ETC. FROM THIS AREA. ELECTRICAL EQUIPMENT SHALL BE TEMPORARILY DISCONNECTED FROM EXISTING CIRCUITS/ZONES AND TEMPORARILY REMOVED TO SUIT RENOVATION WORK/REMOVAL OF EXISTING CEILING. DEVICES SHALL BE RE-INSTALLED/RE-CONNECTED AND LAYOUTS/SWITCHING ARRANGEMENT RESTORED TO PRE-CONSTRUCTION CONDITION. PRIOR TO RE-INSTALLATION UNITS SHALL BE CLEANED, TESTED FOR PROPER OPERATION AND DAMAGE ELECTRICAL EQUIPMENT REPLACED. PROVIDE ALL ASSOCIATED COMPONENTS AND ADJUST TO SUIT. COORDINATE ALL WORK WITH MECHANICAL DRAWINGS, ARCHITECTURAL DRAWINGS AND PROJECT PHASE SCHEDULE.

2. IN FOLLOWING AREAS, ELECTRICAL CONTRACTOR SHALL TEMPORARILY DISCONNECT EXISTING CEILING MOUNTED ELECTRICAL EQUIPMENT/DEVICES AND REMOVE FROM THEIR LOCATIONS AND RE-INSTALL TO THE ORIGINAL LOCATIONS AND CONNECT TO THE SAME EXISTING ELECTRICAL CIRCUITS OR ZONE CIRCUITS AFTER COMPLETION/INSTALLATION OF NEW ELECTRICAL FEEDERS AND EXISTING CEILING (PROVIDE ALL ASSOCIATED COMPONENTS AND ADJUST TO SUIT). PROVIDE VERIFICATION REPORT OF ALL SYSTEMS BEING REMOVE/RE-INSTALL.

-IN EXISTING AREA 1:
11 1X4 LIGHT FIXTURES
7 P.A. SPEAKERS
6 EMERGENCY HEADS
4 EMERGENCY EXIT SIGNS
7 FIRE ALARM SMOKE DETECTORS

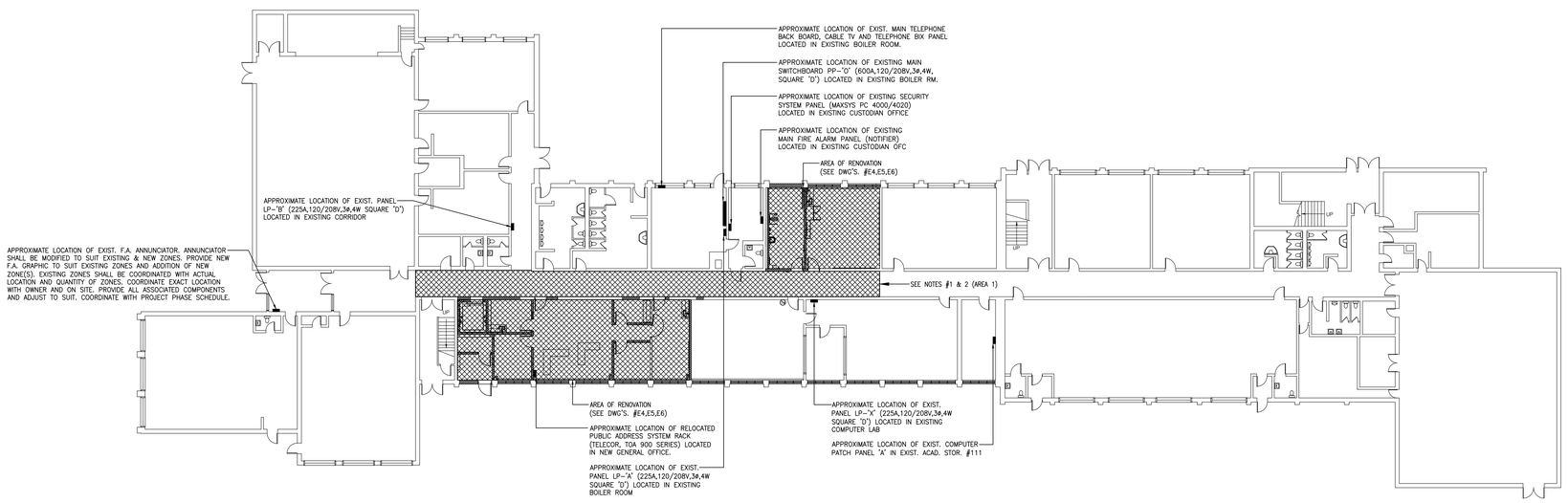
-IN EXISTING AREA 2:
2 1X4 LIGHT FIXTURES
2 P.A. SPEAKERS
1 EMERGENCY HEAD
2 FIRE ALARM SMOKE DETECTORS

-IN EXISTING AREA 3:
2 1X4 LIGHT FIXTURES
2 P.A. SPEAKERS
1 EMERGENCY HEAD
2 FIRE ALARM SMOKE DETECTORS




2 / E2 **OVERALL SECOND FLOOR PLAN**

SCALE: 1:200




1 / E2 **OVERALL FIRST FLOOR PLAN**

SCALE: 1:200

PROJECT NORTH

TRUE NORTH

| NO | ISSUED | DATE |
|---|---|---|
| 3 | ISSUED FOR TENDER | JUN.04'26 |
| 2 | ISSUED FOR BUILDING PERMIT | MAY.6'26 |
| 1 | ISSUED FOR 50% SUBMISSION | APR.6'26 |

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LICENSED PROFESSIONAL ENGINEER
T. MOZAFFAR
100035724
May 27, 2026
PROVINCE OF ONTARIO

BURNHAMTHORPE PUBLIC SCHOOL-
ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

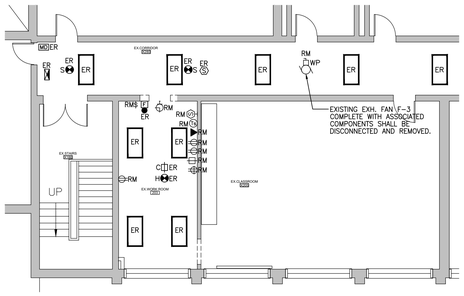
peel District School Board
3546 SOUTH COMMON COURT,
MISSISSAUGA, ON L5L 2B1

ELECTRICAL
OVERALL KEY
PLAN

PDSB TENDER #

rybka Ellard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

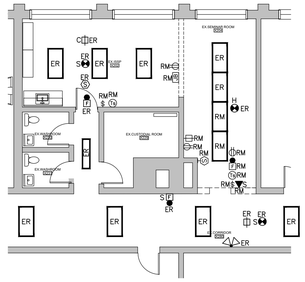
| | |
|---|---|
| SCALE: AS SHOWN | PROJECT: 26105 |
| DATE: JUNE 4, 2026 | |
| DRAWN: CAD | DRAWING: E2 |
| CHECKED: R.R. | |
| PRINT DATE | JUNE 4, 2026 |
| CAD FILE | X:\2026\26023 |



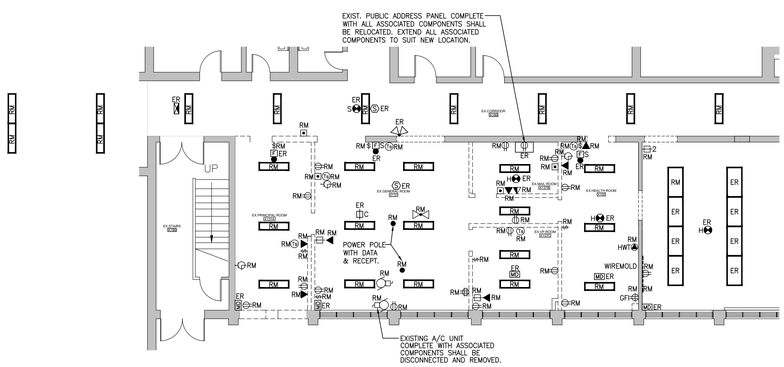

**3 / E3 PART SECOND FLOOR - DEMOLITION LAYOUT**
SCALE: 1:100

## NOTES: (DEMOLITION LAYOUT)

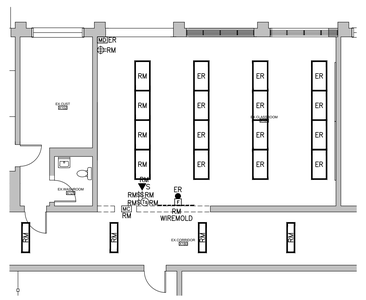
1. DEMOLITION OF EXISTING MATERIALS AND/OR EQUIPMENT AS SHOWN ON DRAWINGS BY ELECTRICAL DIVISION WORK SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH APPLICABLE PROVINCIAL AND MUNICIPAL BY-LAWS AND REGULATIONS.
2. DISCONNECT AND REMOVE ALL EQUIPMENT DESIGNATED FOR REMOVAL, RECONNECT ALL EQUIPMENT WHERE REQUIRED AND DISCONNECT AND CAP, OR ARRANGE FOR DISCONNECTING AND CAPPING, ALL MAIN SERVICES IN ACCORDANCE WITH THE AUTHORITIES HAVING JURISDICTION.
3. ALL MATERIALS AND/OR EQUIPMENT DESIGNATED FOR SALVAGE SHALL BE TURNED OVER TO THE OWNER. ALL OTHER MATERIALS AND/OR EQUIPMENT DESIGNATED FOR REMOVAL BECOMES THE PROPERTY OF THE DEMOLITION CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM THE SITE, UNDER NO CIRCUMSTANCES SHALL THE MATERIALS AND/OR EQUIPMENT BE SOLD DIRECTLY FROM THE SITE.
4. CONTACT THE OWNER PRIOR TO ANY DEMOLITION WORK. THE OWNER WILL DESIGNATE WHICH EQUIPMENT AND/OR MATERIALS ARE TO BE SALVAGED. DEMOLITION WORK IS TO PROCEED ONLY AFTER OWNER'S APPROVAL HAS BEEN OBTAINED.
5. FOR EXACT LOCATION OF MECHANICAL EQUIPMENT WHICH SHALL BE REMOVED, COORDINATE WITH MECHANICAL DIVISION DWGS.
6. FOR ALL EXISTING EQUIPMENT WHICH SHALL BE REMOVED, ELECTRICAL CONTRACTOR SHALL MAKE WIRING SAFE.
7. FOR EXACT LOCATION OF ALL EXISTING EQUIPMENT COORDINATE ON SITE.
8. MAKE REMAINING WIRING SAFE AND REMOVE ALL REDUNDANT CONDUITS AND WIRES BACK TO PANEL OF ORIGIN. ADJUST ALL EXISTING WIRING TO ACCOMMODATE LAYOUT CHANGES AND TO KEEP OPERATIONAL EXISTING ELECTRICAL EQUIPMENT AND DEVICES.
9. UNLESS OTHERWISE INDICATED, HAND OVER TO OWNER AT A SPECIFIED LOCATION ALL ELECTRICAL ITEMS AND ALL LIGHTING FIXTURES REMOVED UNDER THIS DEMOLITION. COORDINATE WITH OWNER THE DISPOSAL OF ALL REDUNDANT DEVICES AND/ OR MATERIALS RESULTED FROM ELECTRICAL DEMOLITION.
10. FULLY UNDERSTAND THE FUNCTIONING OF THE SYSTEM DESCRIBED AND SPECIFIED UNDER THIS SECTION. IF IN DOUBT, CONTACT THE ENGINEER BEFORE SUBMITTING THE TENDER PRICE. NO ALLOWANCE WILL BE ALLOWED LATER DUE TO FAILURE OF THIS DIVISION TO MAKE THIS EXAMINATION.
11. EXISTING ELECTRICAL EQUIPMENT WHICH BECOMES REDUNDANT SHALL BE COMPLETELY DISCONNECTED AND REMOVED FROM THE SITE.
12. FOR EXISTING EQUIPMENT WHICH SHALL BE RELOCATED ADJUST CONDUITS AND WIRES TO SUIT. EXISTING EQUIPMENT TO REMAIN ARE SHOWN FOR CLARIFICATION ONLY.
13. WHENEVER EXISTING ELECTRICALLY OPERATED EQUIPMENT IS REMOVED FROM ITS PRESENT LOCATION OR RE-INSTALLED ELSEWHERE, REMOVE REDUNDANT EXISTING CONDUITS, BOXES, CABLES, FIXTURES, ETC. AND OPENINGS IN BOXES, RACEWAYS, PANELS, ETC. WHICH MAY RESULT FROM SUCH REMOVAL OF EQUIPMENT, SHALL BE CLOSED IN PROPER MANNER AND ALL CABLES AND WIRES PROPERLY TERMINATED AND INSULATED TO RESTORE THE SYSTEM TO A SAFE AND SOUND CONDITION AND TO THE ARCHITECT'S SATISFACTION.
14. IN EVERY INSTANCE WHERE IT IS REQUIRED IN THE SPECIFICATION OR DRAWING THAT EQUIPMENT AND MATERIALS TO BE REMOVED FROM EXISTING LOCATIONS AND RE-INSTALLED, EITHER IN WHOLE OR IN PART, IN NEW LOCATIONS, ALL SUCH EQUIPMENT AND MATERIALS SHALL BE THOROUGHLY CLEANED AND WHERE NECESSARY PUT INTO GOOD OPERATING CONDITION BEFORE BEING RE-INSTALLED IN THE NEW LOCATION.
15. WHERE THE EXISTING EQUIPMENT IS NOT TO BE ULTIMATELY RELOCATED BUT INTERFERES WITH THE CONSTRUCTION, THE EQUIPMENT SHALL BE TEMPORARILY RELOCATED UNTIL SUCH TIME AS THE NEW WORK IS COMPLETED SERVICES TO TEMPORARILY RELOCATED EQUIPMENT SHALL BE MAINTAINED AT ALL TIMES.
16. WHERE A DEVICE OR EQUIPMENT IS REMOVED, ALL ASSOCIATED SURFACE CONDUITS, PULL BOXES SHALL BE TERMINATED AND ABANDONDED IN CEILING SPACE AND SHALL BE MADE SAFE. ALL ASSOCIATED CONDUITS AND OUTLET BOXES/PULL BOXES INSIDE THE REMAINING WALLS SHALL REMAIN AND PROVIDE BLANK COVERS FOR UNUSED BOXES. ALL ASSOCIATED WIRING/DATA CABLES/VOICE CABLES SHALL BE REMOVED FROM SOURCE.
17. ALL REDUNDANT, OBSOLETE WIRING, CONDUIT AND JUNCTION BOXES SHALL BE REMOVED. (COORDINATE WITH CONSULTANT)
18. TEST ALL PARTS OF THE RE-USED OR RELOCATED ELECTRICAL EQUIPMENT AND CORRECT ALL FAULTS AND GROUNDS.
19. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WORK TO SUIT THE PROJECT PHASE SCHEDULE.
20. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL CONDUIT AND WIRING OF MECHANICAL EQUIPMENT TO BE REMOVED.



**4 / E3 PART SECOND FLOOR - DEMOLITION LAYOUT**
SCALE: 1:100




**1 / E3 PART GROUND FLOOR - DEMOLITION LAYOUT**
SCALE: 1:100



**2 / E3 PART GROUND FLOOR - DEMOLITION LAYOUT**
SCALE: 1:100

PROJECT NORTH
TRUE NORTH

| NO | ISSUED | DATE |
|---|---|---|
| 3 | ISSUED FOR TENDER | JUN.04'26 |
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LICENSED PROFESSIONAL ENGINEER
I. MOZAFFAR
100035724
May 27, 2026
Project# 26023
PROVINCE OF ONTARIO

BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

peel District School Board
3546 SOUTH COMMON COURT,
MISSISSAUGA, ON L5L 2B1

ELECTRICAL PART GROUND & SECOND FLOOR DEMOLITION LAYOUTS

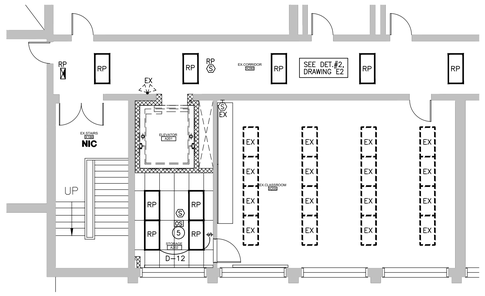
PDSB TENDER #

rybka Ellard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

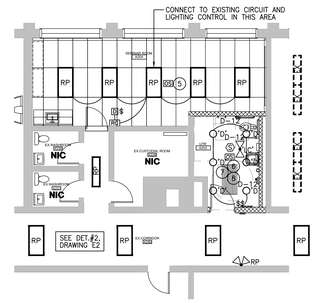
| | |
|---|---|
| SCALE: AS SHOWN | PROJECT: 26105 |
| DATE: JUNE 4, 2026 | |
| DRAWN: CAD | DRAWING: E3 |
| CHECKED: R.R. | |
| PRINT DATE | JUNE 4, 2026 |
| CAD FILE | X:\2026\26023 |

**LEGEND:**

- EXISTING EQUIPMENT
- NEW EQUIPMENT



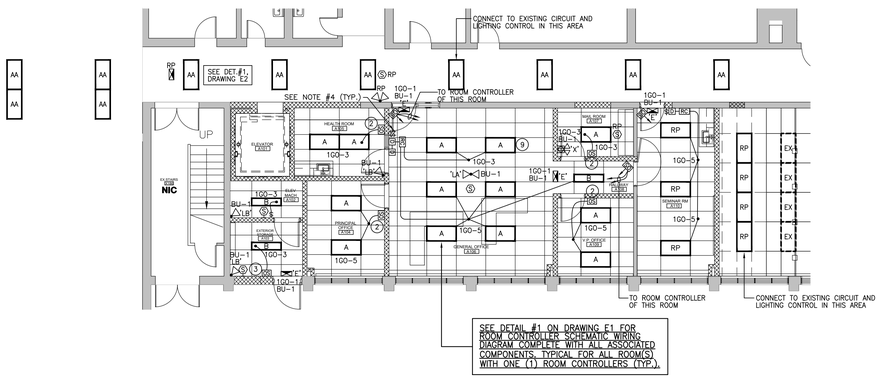

3 **PART SECOND FLOOR - LIGHTING LAYOUT**
E4 SCALE: 1:100



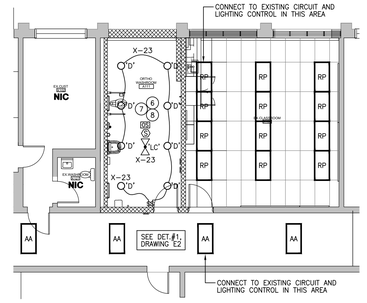

4 **PART SECOND FLOOR - LIGHTING LAYOUT**
E4 SCALE: 1:100

**NOTES: (RE-LIGHTING LAYOUT)**

1. INCLUDE IN TENDER PRICE SUPPLY AND INSTALLATION OF 2 TYPE 'E' EXIT SIGNS C/W 15000mm OF CONDUIT AND WIRING AND CONNECTION TO THE NEAREST EXIT SIGN.
2. PROVIDE OCCUPANCY SENSOR, EATON, CAT.# VSW-P-010, WALL SWITCH VACANCY SENSOR (AUTO-ON/AUTOMATIC-OFF CONTROL) WHICH SHALL TURN OFF ASSOCIATED LIGHT FIXTURES WHEN SPACE IS NOT OCCUPIED. VACANCY SENSOR SHALL BE PRESET TO 50% LIGHTING LEVEL WHEN MANUALLY ACTIVATED TO TURN ON THE ASSOCIATED LIGHT FIXTURES IN THE RESPECTIVE SPACE. PROVIDE ALL NECESSARY EQUIPMENT TO SUIT.
3. PROVIDE OCCUPANCY SENSOR, EATON, CAT. ONW-D-1001-MV, WALL SWITCH VACANCY SENSOR (AUTO-ON/AUTOMATIC-OFF CONTROL) WHICH SHALL TURN OFF ASSOCIATED LIGHT FIXTURES WHEN SPACE IS NOT OCCUPIED. PROVIDE ALL NECESSARY EQUIPMENT TO SUIT.
4. FOR EACH ROOM CONTROLLER, PROVIDE SINGLE POLE DOUBLE THROW LIGHT SWITCH (WALL MOUNTED IN ACCESSIBLE CEILING SPACE ABOVE WALLSTATIONS/CLASSROOM CONTROL PANEL) AND DOUBLE POLE SINGLE THROW KEY SWITCH(ES) RECESS MOUNTED ON THE WALL/CLASSROOM CONTROL PANEL (WHERE APPLICABLE). THESE SWITCHES SHALL OVERRIDE RESPECTIVE ROOM CONTROLLER USED FOR 120V LIGHTING IN THE RESPECTIVE ROOM(S)/SPACE(S) IN CASE OF THEIR FAILURE. PROVIDE ASSOCIATED LAMICOIDE PLATE ON SWITCH LOCATED ABOVE WALL STATIONS/CLASSROOM CONTROL PANEL **"BY PASS SWITCH"** AND ON CEILING GRID BELOW SWITCH **"BY-PASS SWITCH ABOVE"**, AS WELL AS THE BY-PASS SWITCH MOUNTED ON CLASSROOM CONTROL PANEL OR ON WALL **"BY-PASS SWITCH"**. PROVIDE ADDITIONAL SINGLE POLE DOUBLE THROW LIGHT SWITCH AND SINGLE POLE KEY SWITCH, AS DESCRIBED ABOVE, FOR EACH ROOM CONTROLLER THAT HAVE EMERGENCY LIGHT CIRCUIT IN ADDITION TO NORMAL CIRCUIT.
5. PROVIDE OCCUPANCY SENSOR EATON, CAT. OAC-DT-1000-R, WHICH SHALL TURN-OFF CORRESPONDING LIGHT FIXTURES WHEN LIGHT SWITCHE(S) IS (ARE) IN "ON" POSITION AND SPACE IS NOT OCCUPIED AND TURN THEM BACK 'ON' WHEN SPACE OCCUPIED. EXACT LOCATION OF OCCUPANCY SENSOR SHALL BE COORDINATED ON SITE AND SHALL COMPLY WITH MANUFACTURER RECOMMENDATION. PROVIDE ALL NECESSARY EQUIPMENT TO SUIT. PROVIDE NUMBER OF POWER PACK(S) TO SUIT NUMBER OF CIRCUIT(S) IN ROOM.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE NORMALLY CLOSED RELAYS AND ALL ASSOCIATED COMPONENTS TO TURN ON EMERGENCY LIGHTING LOCATED IN SMALL WASHROOM, PRACTICE ROOM, CUSTODIAN ROOM, STORAGES, TEACHING SPACES, WASHROOMS, ETC., IN CASE OF REGULAR POWER FAILURE REGARDLESS OF STATUS OF LIGHT SWITCH, OCCUPANCY SENSOR, EMS, ETC. PROVIDE ONE 120V RELAY PER EACH ROOM WHERE EMERGENCY LIGHT FIXTURE(S) IS(ARE) CONTROLLED BY LIGHT SWITCH, OCCUPANCY SENSOR, H.O.A. CONTACTOR, ETC. INSTALL RELAY IN CEILING SPACE ABOVE LIGHT SWITCH (PROVIDE PROPER LABEL MOUNTED ON T-BAR BELOW) OR OTHER DEVICE CONTROLLING ASSOCIATED LIGHT FIXTURE(S). ADJUST ALL COMPONENTS TO SUIT.
7. PROVIDE OCCUPANCY SENSOR EATON, CAT. OAC-DT-1000-R, WHICH SHALL TURN-OFF CORRESPONDING LIGHT FIXTURES WHEN LIGHT SWITCHE(S) IS (ARE) IN "ON" POSITION AND SPACE IS NOT OCCUPIED, AND TURN THEM BACK 'ON' WHEN SPACE IS OCCUPIED. EXACT LOCATION OF OCCUPANCY SENSOR SHALL BE COORDINATED ON SITE AND SHALL COMPLY WITH MANUFACTURER RECOMMENDATION. PROVIDE ALL NECESSARY EQUIPMENT TO SUIT. PROVIDE NUMBER OF POWER PACK(S) TO SUIT NUMBER OF CIRCUIT(S) IN ROOM.
8. ELECTRICAL CONTRACTOR SHALL PROVIDE LIGHT SWITCH FOR WASHROOM SENSOR (WALL MOUNTED IN CORRIDOR CEILING SPACE ABOVE ENTRANCE TO WASHROOM) WHICH SHALL OVERRIDE (BY PASS) OCCUPANCY SENSOR/POWER PACK(S) IN CASE OF THEIR FAILURE. PROVIDE ASSOCIATED LAMICOID PLATE ON SWITCH AND T-BAR GRID BELOW SWITCH. ADJUST ALL COMPONENTS TO SUIT.
9. ELECTRICAL CONTRACTOR SHALL INSTALL TENT COVERS PROVIDED BY ARCHITECT/OWNER. REFER TO ARCHITECTURAL DWG'S FOR TENT BOX DETAIL FOR FIRE RATING (TYPICAL TO ALL FIXTURES).
10. INCLUDE IN TENDER PRICE SUPPLY AND INSTALLATION OF 1 TYPE 'LA' AND 1 TYPE 'LB' C/W 15000mm OF CONDUIT AND WIRING AND CONNECTION TO THE NEAREST EMERGENCY LIGHTING HEAD/BATTERY UNIT (TYPE OF EMERGENCY LIGHTING SHALL MATCH EXISTING).




1 **PART GROUND FLOOR - LIGHTING LAYOUT**
E4 SCALE: 1:100




2 **PART GROUND FLOOR - LIGHTING LAYOUT**
E4 SCALE: 1:100

PROJECT NORTH
TRUE NORTH

| NO | ISSUED | DATE |
|---|---|---|
| 3 | ISSUED FOR TENDER | JUN.04'26 |
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LICENSED PROFESSIONAL ENGINEER
I. MOZAFFAR
100035724
May 27, 2026
PROVINCE OF ONTARIO
project# 26026

BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

peel District School Board
3546 SOUTH COMMON COURT, MISSISSAUGA, ON L5L 2B1

ELECTRICAL PART GROUND & SECOND FLOOR LIGHTING LAYOUTS

PDSB TENDER #

rybka Ellard Willson
**23 Lesmill Road, Unit 410**
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| | |
|---|---|
| SCALE: AS SHOWN | PROJECT: 26105 |
| DATE: JUNE 4, 2026 | |
| DRAWN: CAD | DRAWING: E4 |
| CHECKED: R.R. | |
| PRINT DATE | JUNE 4, 2026 |
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26023

**LEGEND:**

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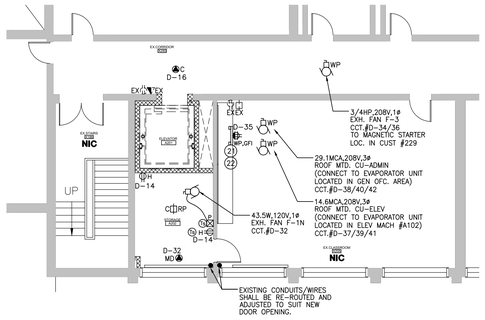
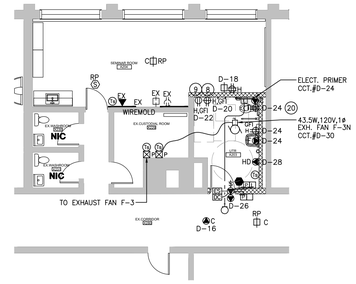


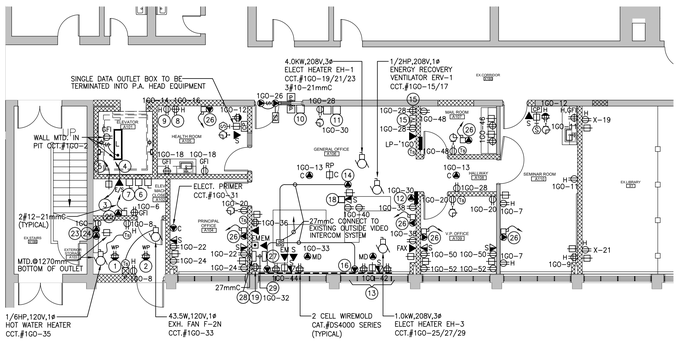

**3 / E5 PART SECOND FLOOR - POWER LAYOUT**
SCALE: 1:100

## NOTES: (RE-POWER LAYOUT)

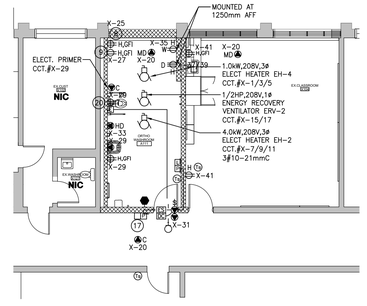
1. 15/20A,120V, 1ø WEATHERPROOF COMBINATION DUPLEX RECEPTACLE MOUNTED IN PIT FOR 1/2HP,120V SUMP PUMP ON CCT.#1GO-37.
2. 15/20A,120V, 1ø WEATHERPROOF RECEPTACLE MOUNTED IN PIT FOR 1/2HP,120V SUMP PUMP ON CCT.#1GO-39.
3. RUN 21mm CONDUIT COMPLETE WITH TELEPHONE SYSTEM WIRING AND TERMINATE AT TELEPHONE BACKBOARD/TELEPHONE SWITCH LOCATED IN GROUND FLOOR BOILER ROOM.
4. TIE 21mmC COMPLETE WITH TELEPHONE SYSTEM WIRING INTO ELEVATOR CONTROLLER.
5. PROVIDE 21mmC TERMINATED IN ACADEMIC STORAGE #111 PATCH PANEL #A.
6. 30A, 120V, 1PSN, F-15A DISC. SWITCH FOR ELEVATOR CAB LIGHTING. CCT. #1GO-4. (PROVIDE 15A/1P GFI BREAKER). CONNECT TO CONTROLLER WITH 2#12.
7. 200A/F-150A, 250V, 3ø DISC. SWITCH FOR 25HP, 250V, 3ø ELEVATOR. CCT.#PPO-D/E/F (SEE POWER RISER DIAGRAM DETAIL)
8. 15A, 120V DUPLEX RECEPTACLE MOUNTED AT 200mm BELOW CEILING FOR H/C LIFT CHARGER. COORDINATE EXACT LOCATION WITH THE ARCHITECT, B.F. LIFT SUPPLIER/INSTALLER AND ON SITE.
9. THE 15A GFI DUPLEX RECEPTACLE (FOR ELECTRICAL POWERED ADJUSTABLE TABLE) SHALL BE INSTALLED HORIZONTALLY AT 200mm A.F.F. TO THE TOP OF THE RECEPTACLE, JUST ABOVE THE BASE.
10. FLUSH WALL MOUNTED OUTLET BOX MTD. @ 60" AFF FOR KEY OPERATED SWITCH TO DE-ENERGIZE EXTERIOR H/C DOOR. RUN 21mm EMPTY CONDUIT FROM THE BOX AND TERMINATE IN DOOR TRANSOM.
11. RINGER C/W 21mmC TERMINATED IN ACCESSIBLE CEILING SPACE. COORDINATE EXACT LOCATION ON SITE WITH OWNER.
12. LOCATION OF REMOTE ANNUNCIATOR FOR BF WASHROOMS COMPLETE WITH LAMICOIDE LABEL INDICATING WASHROOM DESIGNATION. PROVIDE 4" SQUARE BOX IN CEILING SPACE, 2-1" CONDUIT BETWEEN BOXES AND 2-GANG MASONRY BOX CAT.#MBD-2K (600mm BELOW CEILING TO THE TOP OF BOX). COORDINATE EXACT LOCATION WITH OWNER BEFORE ROUGH-INS. SEE PDSB STANDARD INSTALLATION DETAIL #4, DWG. E12. ASSISTANCE REQUEST ANNUNCIATOR SHALL BE SUPPLIED BY DOOR HARDWARE AND INSTALLED/WIRED BY DIV.26.
13. MOUNTED ABOVE HEATING UNIT ENCLOSURE. FINAL LOCATION SHALL BE COORDINATED WITH MECHANICAL CONSULTANT/HEATING ELEMENT. (TYPICAL FOR ALL OUTLETS MOUNTED ON EXTERIOR WALLS)
14. OUTLET BOX FOR VIDEO INTERCOM SYSTEM COMPONENTS AT 3'-0" A.F.F. (TYPICAL FOR 3) COMPLETE WITH 21mmC. CCT.#1GO-34.
15. MTD. 200mm BELOW CEILING.
16. CONNECT TO VIDEO INTERCOM SYSTEM (TYPICAL)
17. DEEP SINGLE GANG BOX FOR LED KEY SWITCH (TYP.)
18. 2 CELL JIFFY POLE FOR CONNECTION OF POWER, DATA, TELEPHONE, ETC. AS SHOWN ON DRAWINGS. QUANTITY OF ELECTRICAL DEVICES SHALL BE AS PER DRAWING.
19. EXIST. PUBLIC ADDRESS EQUIPMENT COMPLETE WITH ALL ASSOCIATED COMPONENTS IN RELOCATED POSITION. EXTEND ALL ASSOCIATED COMPONENTS TO SUIT NEW LOCATION. COORDINATE WITH ARCHITECT BEFORE ROUGH-INS.
20. PROVIDE 15A/120V DUPLEX RECEPTACLE FOR TOILET COMPLETE WITH 1/2" CONDUIT. RUN 1/2" CONDUIT FROM TOILET RECEPTACLE TO LAVATORY VALVE BOX LOCATION FOR LOW VOLTAGE WIRING. CONNECT TRAP PRIMER TO SAME CIRCUIT AS TOILET. COORDINATE EXACT REQUIREMENTS WITH PLUMBING DRAWINGS.
21. 15/20A,120V COMBINATION WEATHERPROOF GFI SERVICE DUPLEX RECEPTACLE C/W WEATHERPROOF IN-USE COVER AND "EXTRA DUTY" LABEL, SIMILAR TO HUBBELL CAT.#WX3200.
22. PROVIDE FREE STANDING (BOLTED TO THE FLOOR/ROOF) UNISTRUTS/MOUNTING BRACKETS FOR INSTALLATION OF ELECTRICAL EQUIPMENT/DEVICES. EXACT LOCATION SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR/CONSULTANT AND ON SITE.
23. 15A,120V,1ø OUTLET MOUNTED 1270MM TO THE BOTTOM OF OUTLET FOR SANITARY SUMP PUMP CONTROL PANEL/HIGH WATER ALARM BUZZER. COORDINATE EXACT LOCATION WITH DIV.23 AND ON SITE. PROVIDE 21MMEC FROM PIT TO HIGH WATER ALARM BUZZER LOCATION FOR LOW VOLTAGE WIRING. LOW VOLTAGE WIRING WILL BE SUPPLIED AND INSTALLED BY MECHANICAL DIVISION. HIGH WATER ALARM SYSTEM WILL BE SUPPLIED BY MECHANICAL DIVISION AND INSTALLED AND CONNECTED BY ELECTRICAL DIVISION.
24. 15A,120V,1ø OUTLET MOUNTED 1270MM TO THE BOTTOM OF OUTLET FOR STORM SUMP PUMP CONTROL PANEL/HIGH WATER ALARM BUZZER. COORDINATE EXACT LOCATION WITH DIV.23 AND ON SITE. PROVIDE 21MMEC FROM PIT TO HIGH WATER ALARM BUZZER LOCATION FOR LOW VOLTAGE WIRING. LOW VOLTAGE WIRING WILL BE SUPPLIED AND INSTALLED BY MECHANICAL DIVISION. HIGH WATER ALARM SYSTEM WILL BE SUPPLIED BY MECHANICAL DIVISION AND INSTALLED AND CONNECTED BY ELECTRICAL DIVISION.
25. 0.4MCA,208V,1ø WALL MOUNTED EVAPORATOR (FOR CONDENSING UNIT CU-ELEV) CONNECT TO CONDENSING UNIT CU-ELEV MOUNTED ON ROOF (CCT.#D-39/41)
26. 0.3MCA,208V,1ø WALL MOUNTED EVAPORATOR (FOR CONDENSING UNIT CU-ADMIN) CONNECT TO CONDENSING UNIT CU-ADMIN MOUNTED ON ROOF (CCT.#D-38/40)
27. FLUSH WALL MOUTED OUTLET BOX FOR P.A. EQUIPMENT 2-41mmEC TO CORRIDOR CABLE TRAY (FOR P.A. WIRING). EXACT LOCATION SHALL BE COORDINATED WITH THE OWNER AND ARCHITECT PRIOR TO ROUGH-IN. (TYPICAL)
28. 12"X12"X6" JUNCTION BOX C/W HINGED COVER AND KNOCKOUTS LOCATED IN CEILING SPACE ABOVE P.A. EQUIPMENT FOR LOCKDOWN WIRING.
29. SURFACE MOUNTED WIREMOLD FROM P.A. EQUIPMENT TO ACCESSIBLE CEILING SPACE
30. INCLUDE IN TENDER PRICE SUPPLY AND INSTALLATION OF 2-15A/120V DUPLEX RECEPTACLES FOR EMS PANEL C/W 15000mm OF CONDUIT AND WIRING AND CONNECTION TO 2-15A/1P SPARE BREAKERS IN THE NEAREST PANEL.




**4 / E5 PART SECOND FLOOR - POWER LAYOUT**
SCALE: 1:100




**1 / E5 PART GROUND FLOOR - POWER LAYOUT**
SCALE: 1:100




**2 / E5 PART GROUND FLOOR - POWER LAYOUT**
SCALE: 1:100

PROJECT NORTH
TRUE NORTH

| NO | ISSUED | DATE |
|---|---|---|
| 3 | ISSUED FOR TENDER | JUN.04'26 |
| 2 | ISSUED FOR BUILDING PERMIT | MAY.6'26 |
| 1 | ISSUED FOR 50% SUBMISSION | APR.6'26 |

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT. AND MUST REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.

LICENCED PROFESSIONAL ENGINEER
T. MOZAFFAR
100035724
May 27, 2026
PROVINCE OF ONTARIO

BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

peel District School Board
3546 SOUTH COMMON COURT,
MISSISSAUGA, ON L5L 2B1

ELECTRICAL PART GROUND & SECOND FLOOR POWER LAYOUTS

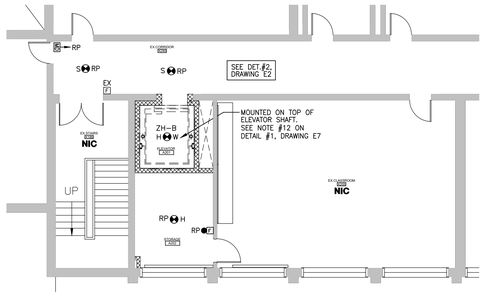
PDSB TENDER #

rybka Ellard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

| | |
|---|---|
| SCALE: AS SHOWN | PROJECT: 26105 |
| DATE: JUNE 4, 2026 | |
| DRAWN: CAD | DRAWING: E5 |
| CHECKED: R.R. | |
| PRINT DATE | JUNE 4, 2026 |
| CAD FILE | X:\2026\26023 |

**LEGEND:**

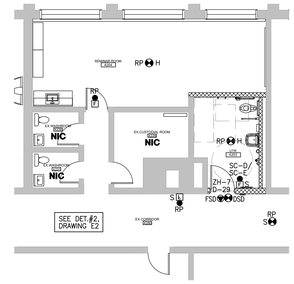
- - - - - EXISTING EQUIPMENT
——— NEW EQUIPMENT



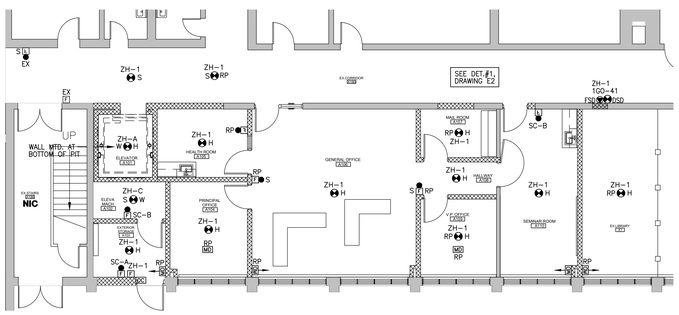

3 / E6 **PART SECOND FLOOR - FIRE ALARM & SECURITY LAYOUT**
SCALE: 1:100

**NOTES: (RE-F.A & SECURITY LAYOUT)**

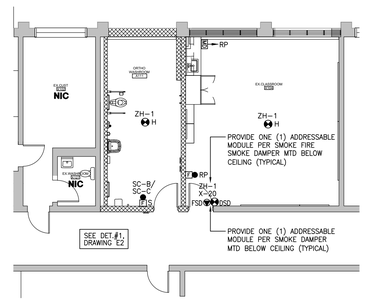
1. EXISTING F.A. SYSTEM AND SECURITY SYSTEM TO REMAIN UNLESS SHOWN OTHERWISE.
2. EXISTING F.A. SYSTEM AND SECURITY SYSTEM SHALL BE OPERATIONAL IN EXISTING SCHOOL AT ALL TIMES.
3. PROVIDE ASSOCIATED CONDUIT COMPLETE WITH WIRING AND CONNECT AS SHOWN. ADJUST ALL COMPONENTS TO SUIT.
4. NEW F.A. STROBE LIGHT SHALL BE CONNECTED TO NEAREST EXISTING F.A. CONE SPEAKER COMPLETE WITH STROBE LIGHT CIRCUIT/ZONE. COORDINATE EXACT LOCATION ON SITE. ADJUST ALL COMPONENTS TO SUIT.
5. NEW F.A. CONE SPEAKER SHALL BE CONNECTED TO NEAREST EXISTING F.A. CONE SPEAKER CIRCUIT/ZONE LOCATED ON GROUND/SECOND FLOOR. COORDINATE EXACT LOCATION ON SITE. ADJUST ALL COMPONENTS TO SUIT.
6. NEW F.A. PULL STATION SHALL BE CONNECTED TO NEAREST EXISTING F.A. PULL STATION CIRCUIT/ZONE LOCATED ON GROUND FLOOR. COORDINATE EXACT LOCATION ON SITE. ADJUST ALL COMPONENTS TO SUIT.
7. FIRE ALARM PULL STATIONS SHALL BE COMPLETE WITH LEXAN COVER.
8. AFTER COMPLETION OF F.A. SYSTEM, PROVIDE F.A. SYSTEM VERIFICATION REPORT AND VERIFICATION CERTIFICATE BY F.A. SYSTEM MANUFACTURER/INSTALLER.
9. FIRE ALARM ZONE NUMBERS/AUXILLIARY CONTACT AND SIGNAL CIRCUIT NUMBERS ARE SHOWN FOR REFERENCE AND INTENT ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY ON SITE EXACT NUMBERS. ADJUST ALL COMPONENTS TO SUIT.
10. IN EXISTING AREAS, WHERE EXISTING WALLS ARE NOT ACCESSIBLE ANY NEW SURFACE ELECTRICAL WIRES SHALL BE IN SHALLOW TYPE RACEWAY. SURFACE MOUNTED CONDUIT IS NOT ACCEPTABLE.
11. SMOKE DETECTOR TO BE MOUNTED AT MAXIMUM 1500mm AWAY FROM THE DAMPER.
12. UPON INITIATION OF DETECTOR OR ANY FIRE ALARM, ALL SMOKE DAMPERS SHALL CLOSE AND SHUT DOWN ALL AIR HANDLING UNITS.




4 / E6 **PART SECOND FLOOR - FIRE ALARM & SECURITY LAYOUT**
SCALE: 1:100




1 / E6 **PART GROUND FLOOR - FIRE ALARM & SECURITY LAYOUT**
SCALE: 1:100




2 / E6 **PART GROUND FLOOR - FIRE ALARM & SECURITY LAYOUT**
SCALE: 1:100

PROJECT NORTH
TRUE NORTH

| NO | ISSUED | DATE |
|---|---|---|
| 3 | ISSUED FOR TENDER | JUN.04'26 |
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LICENSED PROFESSIONAL ENGINEER
I. MOZAFFAR
100035724
May 27, 2026
Project# 26026
PROVINCE OF ONTARIO

BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

peel District School Board
3546 SOUTH COMMON COURT, MISSISSAUGA, ON L5L 2B1

ELECTRICAL PART GROUND & SECOND FLOOR FIRE ALARM AND SECURITY LAYOUTS

PDSB TENDER #

rybka Ellard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

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|---|---|
| SCALE: AS SHOWN | PROJECT: 26105 |
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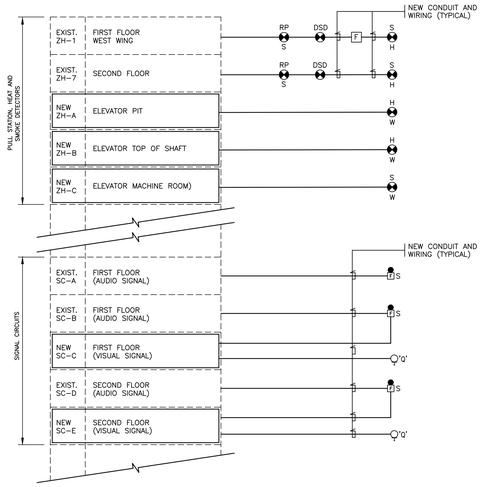
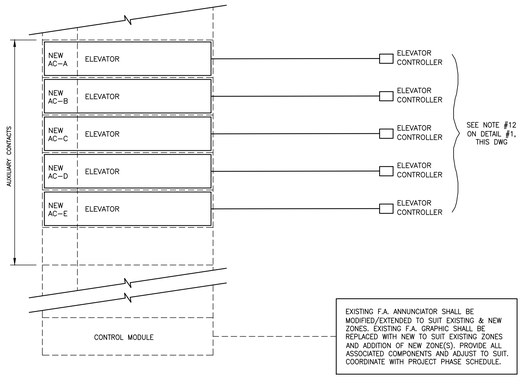
| DRAWN: CAD | DRAWING: E6 |
| CHECKED: R.R. | |
| PRINT DATE | JUNE 4, 2026 |
| CAD FILE | X:\2026\26023 |

**LEGEND:**

- - - - - - EXISTING EQUIPMENT
——— NEW EQUIPMENT




**NOTES :**

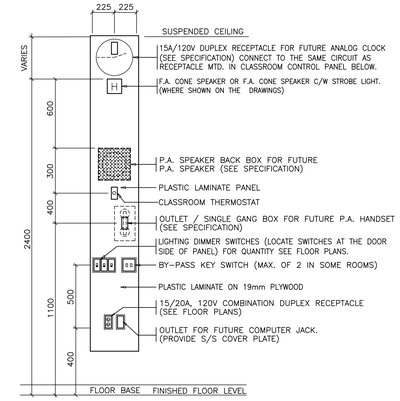
1. PROVIDE NEW F.A. PASSIVE GRAPHIC TO SUIT EXISTING F.A. ZONES, ADDITION OF NEW ZONES AND ARCHITECTURAL MODIFICATIONS TO THE BUILDINGS.
2. EXISTING FIRE ALARM CONTROL PANEL AND FIRE ALARM ANNUNCIATOR SHALL BE MODIFIED/EXTENDED TO SUIT EXISTING AND ADDITION OF NEW ZONES.
3. OBTAIN APPROVED FINAL ROOM NAMES AND NUMBERS AND ARCHITECTURAL DRAWINGS BEFORE ANY PROGRAMMING OF FIRE ALARM CONTROL PANEL OR ORDERING PASSIVE GRAPHICS AND MODIFY FIRE ALARM ANNUNCIATOR TO SUIT.
4. ALL WIRING SHALL BE RUN IN CONDUIT AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
5. AFTER COMPLETION OF F.A. SYSTEM, PROVIDE F.A. SYSTEM VERIFICATION BY F.A. SYSTEM MANUFACTURER/INSTALLER (PART OF THIS CONTRACT).
6. INCLUDE IN THE TENDER PRICE FOR THE SUPPLY, INSTALLATION AND VERIFICATION OF ADDITIONAL 1 FIRE ALARM CONE SPEAKER COMPLETE WITH STROBE LIGHT COMBINATION C/W 15,000 mm OF CONDUIT/WIRING AND CONNECTION TO THE NEAREST CONE SPEAKER COMPLETE WITH STROBE LIGHT COMBINATION.
7. INCLUDE IN THE TENDER PRICE FOR THE SUPPLY, INSTALLATION AND VERIFICATION OF ADDITIONAL 2 FIRE ALARM HEAT DETECTOR C/W 15,000 mm OF CONDUIT/WIRING AND CONNECTION TO THE NEAREST SMOKE DETECTOR.
8. FIRE ALARM ZONE NUMBERS/AUXILIARY CONTACT AND SIGNAL CIRCUIT NUMBERS ARE SHOWN FOR REFERENCE AND INTENT ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY ON SITE EXACT NUMBERS. ADJUST ALL COMPONENTS TO SUIT.
9. EXISTING F.A. SYSTEM IN EXISTING SCHOOL SHALL BE OPERATIONAL AT ALL TIMES DURING CONSTRUCTION.
10. FOR EXACT QUANTITY OF FIRE ALARM DEVICES, REFER TO FLOOR PLANS. INCLUDE AS PART OF THIS CONTRACT ALL FIRE ALARM DEVICES THAT HAVE BEEN RELOCATED/RE-WIRED/REWORKED AS PART OF THE FIRE ALARM REPORT/VERIFICATION. PROVIDE FIRE DEVICES VERIFICATION AND REPORT TO ALL DEVICES ALTERED IN THE EXISTING SCHOOL AND NEW IN THE ADDITIONAL.
11. ALL EXISTING CONNECTION TO EXISTING F.A. SYSTEM NOT AFFECTED BY THIS RENOVATION SHALL REMAIN. COORDINATE ON SITE.
12. SMOKE/HEAT DETECTORS SHALL BE INSTALLED TO PROVIDE OUTPUTS FROM THE FIRE ALARM SYSTEM TO THE ELEVATOR CONTROLLER TO AUTOMATICALLY INITIATE PHASE 1 EMERGENCY RECALL OPERATION AND SHALL BE LOCATED IN :

    A) AT GROUND FLOOR SERVED BY THE ELEVATOR.
    B) AT SECOND FLOOR SERVED BY THE ELEVATOR.
    C) IN THE ASSOCIATED ELEVATOR MACHINE ROOM AND ELEVATOR SHAFT.
    D) TOP OF THE SHAFT.

    THE INSTALLATION OF THESE DETECTORS SHALL BE IN CONFORMANCE WITH OBC AND ELEVATOR CODE B44-07 SECTION 2.27.3.2.2. PROVIDE FIVE (5) SEPARATE SIGNALS TO ELEVATOR CONTROLLER. ONE FROM THE MAIN RECALL LEVEL (AS DETERMINED BY ARCHITECT AND OWNER), ONE SIGNAL FROM ANY OTHER FLOOR LEVEL SERVED BY THE ELEVATOR AND ONE FROM THE ELEVATOR MACHINE ROOM/ELEVATOR SHAFT.
13. IN ACTUATION OF ANY FIRE ALARM ZONE/SMOKE DAMPER/FIRE SMOKE DAMPER BUILT-IN SMOKE DETECTOR, AUXILIARY CONTACTS SHALL BE ENERGIZED AND SHALL SHUT DOWN CORRESPONDING EXHAUST FANS, AIR HANDLING UNITS, ROOF TOP UNITS AND CLOSE CORRESPONDING SMOKE/FIRE SMOKE DAMPER. PROVIDE ALL ASSOCIATED COMPONENTS TO SUIT I.E. CONTACTOR, RELAY, ETC. COORDINATE WITH MANUFACTURER/SUPPLIER.
14. PROVIDE NECESSARY ADDITIONAL MODULES, RELAYS, POWER SUPPLY, AMPLIFIERS ETC. TO ACCOMMODATE FIRE ALARM STROBE LIGHTS CIRCUITS. ANY ADDITIONAL EXTRA WILL NOT BE ACCEPTED IF THIS IS NOT REVIEWED PROPERLY.
15. PROVIDE NECESSARY ADDITIONAL ANNUNCIATOR STRIP TO ACCOMMODATE ADDITIONAL ZONES ANNUNCIATION
16. ALL NEW DEVICES SHALL MATCH EXISTING (QUANTITY OF DEVICES SHALL BE AS PER DWG.)
17. FOR MORE INFORMATION REFER TO ELECTRICAL SPECIFICATION.

**1 E7 PART EXISTING FIRE ALARM SYSTEM RISER DIAGRAM**

MAIN F.A. CONTROL PANEL (NOTIFIER) LOCATED IN EXISTING CUSTODIAN OFFICE AS SHOWN ON E2 DWG.




**NOTES :**

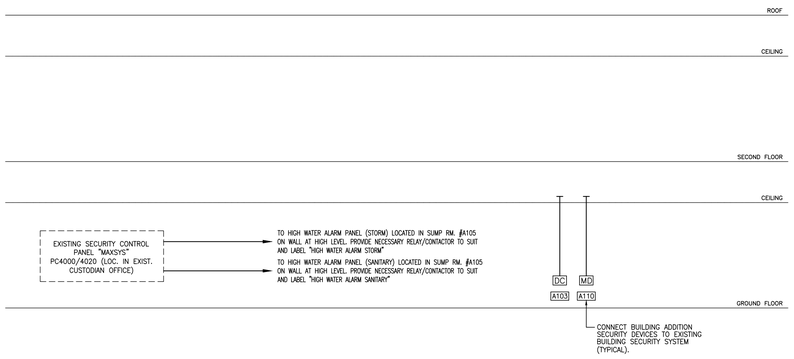
1. CONTROL PANEL SHALL BE PROVIDED AND INSTALLED BY ARCHITECTURAL DIVISION. COORDINATE WITH ARCHITECTURAL DRAWINGS.
2. PA SPEAKER BACK BOXES, OUTLET FOR CLOCK, RECEPTACLE, OUTLET FOR PA HANDSET AND LIGHT SWITCHES SHALL BE BY DIVISION 26. (SEE SPECIFICATION)
3. IN AREAS WHERE CEILING IS ABOVE 2600mm, ELECTRICAL CONTRACTOR SHALL DO THE FOLLOWING:
   - FIRE ALARM AUDIBLE DEVICES SHALL BE INSTALLED SO THAT THE TOP OF THE DEVICE WILL NOT BE LESS THAN 2300mm AFF. AND NOT MORE THAN 2400mm.
   - FIRE ALARM VISUAL DEVICES SHALL BE INSTALLED SUCH THAT THE ENTIRE LENS ARE NOT LESS THAN 2200mm AND NOT MORE THAN 2400mm AFF.
4. PA HANDSET CORDS SHALL BE ALIGNED TO THE KEY SWITCHES AND NOT DIMMER SWITCHES.

**4 E7 WALL MOUNTED MODULAR CLASSROOM CONTROL PANEL**

SCALE: N.T.S.

**LEGEND:**

- - - - - - EXISTING EQUIPMENT
——— NEW EQUIPMENT




**NOTES :**

1. PROVIDE CONDUITS; JUNCTION BOXES; OUTLET BOXES; MOTION DETECTORS; DOOR CONTACTS; WIRING; ETC. AND CONNECT TO EXISTING MAIN SECURITY SYSTEM CONTROL PANEL AS INDICATED ON FLOOR PLANS AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND SPECIFICATION.
2. COORDINATE WORK WITH ARCHITECT AND SECURITY SYSTEM SUPPLIER.
3. FOR EXACT LOCATION AND QUANTITY OF DEVICES REFER TO FLOOR PLANS.
4. ALL CONDUITS SHALL BE 21mm UNLESS NOTED OTHERWISE.
5. ALL CONDUITS SHALL BE TERMINATED IN ACCESSIBLE CEILING SPACE UNLESS SHOWN OTHERWISE. TERMINATION OF CONDUITS IN EXPOSED OR DRYWALL CEILINGS AREAS IS NOT ACCEPTABLE.
6. RUN SECURITY SYSTEM WIRING IN CONDUITS, FREE RUN IN CEILING SPACE SLEEVES AND CORRIDOR DUAL HANGERS. PROVIDE J-HOOKS AS REQUIRED. TYPICAL
7. FOR MORE INFORMATION REFER TO SPECIFICATIONS

**2 E7 PART EXISTING SECURITY SYSTEM RISER DIAGRAM**

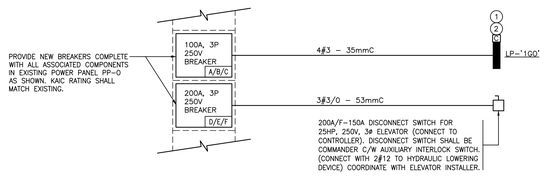
SCALE: N.T.S.

**LEGEND:**

- - - - EXISTING EQUIPMENT
——— NEW EQUIPMENT

**NOTES :**

1. PROVIDE 1-2P H.O.A. CONTACTOR CONTROLLING HOT WATER HEATER BY BAS SYSTEM CCT.#35. COORDINATE WITH BAS SECTION.
2. PROVIDE 2-4P H.O.A. CONTACTORS CONTROLLING ELECTRIC HEATERS BY BAS SYSTEM CCTS.#19/21/23 AND 25/27/29. COORDINATE WITH BAS SECTION.
3. ELECTRICAL CONTRACTOR SHALL SCHEDULE MAIN SWITCHBOARD SHUTDOWN WITH SCHOOL BOARD. ELECTRICAL CONTRACTOR SHALL INCLUDE ALL ASSOCIATED COST, IF SCHOOL BOARD ASK THE MAIN SWITCHBOARD SHUTDOWN IN A WEEKEND OR A STATUTORY HOLIDAY.
4. MINIMUM RATING OF CONTACTORS FOR LIGHTINGS AND RECEPTACLES CONTROL SHALL BE 30A.




**3 E7 PART OF EXISTING MAIN SWITCHBOARD PP-'O'**

600A,120/208V,3Φ,4W, SQUARE 'D' LOCATED IN EXISTING BOILER RM.

PROJECT NORTH
TRUE NORTH

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|---|---|---|
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BURNHAMTHORPE PUBLIC SCHOOL- ELEVATOR & ACCESSIBLE WASHROOM RENOVATION

peel District School Board
3546 SOUTH COMMON COURT, MISSISSAUGA, ON L5L 2B1

ELECTRICAL RISER DIAGRAMS

PDSB TENDER #

rybka Ellard Willson
23 Lesmill Road, Unit 410
Toronto, ON M3B 3P6

| | |
|---|---|
| SCALE: AS SHOWN | PROJECT: 26105 |
| DATE: JUNE 4, 2026 | |
| DRAWN: CAD | DRAWING: E7 |
| CHECKED: R.R. | |
| PRINT DATE | JUNE 4, 2026 |
| CAD FILE | X:\2026\26023 |

# ELECTRICAL SPECIFICATION

**1. GENERAL**

.1 PROVIDE ALL EQUIPMENT, MATERIALS, LABOUR AND SERVICES TO COMPLETE ELECTRICAL SYSTEMS GENERALLY AS SHOWN ON THE DRAWINGS AND/OR DESCRIBED HEREINAFTER.

.2 ALL WORK SHALL CONFORM TO C.S.A., N.B.C., LOCAL MUNICIPAL AND PROVINCIAL LAWS AND REGULATIONS.

.3 BEFORE FINAL PAYMENT IS MADE, AN UNCONDITIONAL PROVINCIAL INSPECTION DEPARTMENT CERTIFICATE SHALL BE GIVEN TO THE OWNER, INDICATING THAT ALL PARTS OF THE ELECTRICAL SYSTEM MEET ONTARIO E.S.A. APPROVAL.

.4 MAINTAIN SUCH INSURANCE AS WILL FULLY PROTECT BOTH THE OWNER AND FROM ANY AND ALL CLAIMS UNDER THE WORKMEN'S COMPENSATION ACT, ALSO ALL INSURANCE AS NOTED WITHIN GENERAL CONDITIONS.

**2. REGULATIONS**

.1 COMPLETE INSTALLATION SHALL CONFORM WITH APPLICABLE CODES, BY-LAWS AND REGULATIONS.
.2 COMPLY WITH ALL REQUIREMENTS AND STANDARDS OF THE LOCAL AUTHORITIES.

**3. PERMITS, FEES AND INSPECTIONS**

.1 APPLY AND PAY FOR ALL PERMITS, FEES AND INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.

**4. SHOP DRAWINGS**

.1 SUBMIT SIX (6) COPIES OF SHOP DRAWINGS OF EACH PIECE OF MANUFACTURED EQUIPMENT FOR ARCHITECT AND CONSULTANT'S REVIEW.

**5. INSTRUCTIONS AND DATA BOOKS**

.1 PROVIDE THE SERVICES OF COMPETENT PERSONNEL TO INSTRUCT THE OWNER IN THE PROPER OPERATION AND MAINTENANCE OF THE EQUIPMENT.

.2 PREPARE NEATLY TYPEWRITTEN OPERATING INSTRUCTIONS. ASSEMBLE INTO THREE (3) DATA BOOKS WITH ONE COPY OF EACH SHOP DRAWING AND ALL EQUIPMENT, MAINTENANCE AND OPERATING INFORMATION.

.3 PROVIDE 1 HARD COPY OF THE DATA BOOKS AND 1 SOFT COPY VIA USB KEY.

**6. INSURANCE**

.1 MAINTAIN ALL NECESSARY INSURANCE TO PROTECT THE OWNER AND THE TRADES OF THIS DIVISION FROM ALL POSSIBLE CLAIMS.

**7. GUARANTEE**

.1 THE GUARANTEE PERIOD SHALL EXTEND ONE (1) YEAR FROM THE DATE OF ISSUE OF "SUBSTANTIAL COMPLETION" CERTIFICATE. ALL REPAIRS DURING THIS PERIOD ARE THE RESPONSIBILITY OF THIS DIVISION AT NO COST TO THE OWNER.

**8. IDENTIFICATION OF EQUIPMENT**

.1 ALL ELECTRICAL EQUIPMENT SHALL BE IDENTIFIED BY MEANS OF BLACK LAMICOID PLATES WITH WHITE LETTERING INDICATING FUNCTION OF EQUIPMENT.

.2 IDENTIFY ALL JUNCTION BOXES WITH PANEL AND CIRCUIT NUMBERS WHERE THEY ARE FED FROM.

.3 THE INTERIOR, EXTERIOR AND LIDS OF ALL OUTLET BOXES SHALL BE NEATLY IDENTIFIED WITH DIFFERENT COLOURS OF PAINT. THE COLOUR SHALL BE CONSISTENT THROUGHOUT THE PROJECT AND SHALL MATCH EXISTING.

| | |
|---|---|
| 120/208 Volt Lighting | Orange |
| 120/208 Volt System | Black |
| 347/600 Volt Emergency Power System | White |
| 120/208 Volt Emergency Lighting/Power System | Yellow |
| P.A./Telephone System | Brown |
| Fire Alarm System | Red |
| Security System | Green |
| Computer System | Blue |

* For colours co-ordinate with School Board.

**9. CLEANING**

.1 ALL EQUIPMENT SHALL BE CLEANED DURING CONSTRUCTION AND THOROUGHLY CLEANED ON COMPLETION OF THE CONTRACT.

**10. CO-ORDINATION**

.1 CONFER WITH ALL OTHER TRADES AND ARRANGE EQUIPMENT IN PROPER RELATION WITH OTHER APPARATUS, DUCTS, PIPES, ETC. AND WITH BUILDING CONSTRUCTION AND CONSULTANT FINISHES.

.2 COORDINATE ROUTING OF CONDUITS FOR ANY FLOOR BOX WITH THE SPACE BELOW AND THE OWNER PRIOR TO INSTALLATION OF FLOOR BOX.

.3 COORDINATE ANY SCHEDULED POWER SHUTDOWNS WITH THE OWNER PRIOR TO COMMENCING WORK.

**11. TEMPORARY AND TRIAL USAGE**

.1 THE OWNER RESERVES THE RIGHT OF TRIAL OR TEMPORARY USAGE PRIOR TO ACCEPTING THE INSTALLATION.

**12. EXISTING CONDITIONS**

.1 VISIT THE SITE AND EXAMINE EXISTING CONDITIONS AFFECTING THE WORK.

.2 CAREFULLY EXAMINE STRUCTURAL, MECHANICAL AND ARCHITECTURAL DRAWINGS, AND FULLY UNDERSTAND THE FUNCTIONING OF THE SYSTEM DESCRIBED AND SPECIFIED UNDER THIS SECTION. IF IN DOUBT, CONTACT THE ENGINEER BEFORE SUBMITTING THE TENDER PRICE.

.3 NO ALLOWANCE WILL BE ALLOWED LATER DUE TO FAILURE OF THIS DIVISION TO MAKE VISIT TO SITE AND THIS EXAMINATION.

.4 EXISTING ELECTRICAL EQUIPMENT WHICH BECOMES REDUNDANT SHALL BE COMPLETELY DISCONNECTED AND REMOVED FROM THE SITE.

.5 WHERE INDICATED ON THE DRAWINGS REMOVE EQUIPMENT CAREFULLY AS NOT TO CAUSE DAMAGE AND TRANSPORT IT TO A LOCATION ON SITE AS DESIGNATED BY THE GENERAL CONTRACTOR.

.6 WHENEVER EXISTING ELECTRICALLY OPERATED EQUIPMENT IS REMOVED FROM ITS PRESENT LOCATION OR INSTALLED ELSEWHERE, REMOVE REDUNDANT EXISTING CONDUITS, BOXES, CABLES, FIXTURES ETC. AND OPENINGS IN BOXES, RACEWAYS, PANEL ETC. WHICH MAY RESULT FROM SUCH REMOVAL OF EQUIPMENT, SHALL BE CLOSED IN PROPER MANNER AND ALL CABLES AND WIRES PROPERLY TERMINATED AND ISOLATED TO RESTORE THE SYSTEM TO A SAFE AND SOUND CONDITION AND TO THE ARCHITECT'S SATISFACTION.

.7 WHERE THE EXISTING EQUIPMENT IS NOT TO BE ULTIMATELY RELOCATED BUT INTERFERES WITH THE CONSTRUCTION, THE EQUIPMENT SHALL BE TEMPORARILY RELOCATED UNTIL SUCH TIME AS THE NEW WORK IS COMPLETED. SERVICES TO THE TEMPORARILY RELOCATED EQUIPMENT SHALL BE MAINTAINED AT ALL TIMES.

.8 TEST ALL PARTS OF THE RE-USED OR RELOCATED ELECTRICAL EQUIPMENT AND CORRECT ALL FAULTS AND GROUNDS.

.9 UNDER ALL CONDITIONS, EXISTING ELECTRICAL SERVICES, INCLUDING AUXILIARY SERVICES, SECURITY, COMPUTER, P.A., P.A. SYSTEMS ETC. TO OPERATING PARTS OF THE BUILDING SHALL NOT BE HAMPERED UNDER ANY CONDITION AND TO THAT EFFECT, NECESSARY WORK MAY HAVE TO BE CARRIED OUT ON OVERTIME BASIS.

.10 COORDINATE WITH GENERAL CONTRACTOR REGARDING SCAFFOLDING IN EXISTING BUILDING.

**13. CHASES, OPENINGS, ETC.**

.1 PROVIDE FOR OPENINGS IN WALLS, FLOORS, CEILINGS AND ROOFS AS REQUIRED, AND MAKE GOOD.

.2 FLASHING REQUIRED FOR OPENINGS IN WALLS, FLOORS AND ROOFS WILL BE PROVIDED BY THIS DIVISION, UNLESS OTHERWISE NOTED.

.3 DRILLING FOR HANGERS, RODS, INSERTS AND WORK OF A SIMILAR NATURE SHALL BE PROVIDED BY THIS DIVISION.

.4 PATCHING REQUIRED FOR WORK BY THIS DIVISION, UNLESS NOTED OTHERWISE, WILL BE BY THIS DIVISION TO COMPLETE SATISFACTION OF THE ARCHITECT AND CONSULTANT.

.5 X-RAY RE-INFORCED CONCRETE SLAB AND SLAB ON GRADE BEFORE CORE DRILLING/SAW CUTTING. COORDINATE WITH THE OWNER/GENERAL CONTRACTOR FOR TIME SCHEDULE.

.6 FAILURE TO COMPLY WITH THE ABOVE REQUIREMENTS SHALL BE REMEDIED AT THIS DIVISION'S EXPENSE.

**14. SLEEVES**

.1 PROVIDE SLEEVES OF GALVANIZED STEEL PIPE WITH MACHINE CUT ENDS OF AMPLE SIZE TO ACCOMMODATE CONDUITS PASSING THROUGH WALLS, PARTITIONS, CEILINGS, ROOFS, FLOORS, ETC.

.2 THE SPACE BETWEEN THE SLEEVE AND THE CONDUIT AND SPARE SLEEVES SHALL BE FILLED WITH DOW CORNING SILICONE RTV FOAM FOR FIRE STOP. CAULK AROUND THE TOP AND BOTTOM WITH APPROVED PERMANENTLY RESILIENT, NONFLAMMABLE AND WEATHERPROOF SILICONE BASE COMPOUND.

.3 LOCATE AND POSITION SLEEVES EXACTLY PRIOR TO CONSTRUCTION OF WALLS, FLOORS, ETC.

.4 FAILURE TO COMPLY WITH THE ABOVE REQUIREMENTS SHALL BE REMEDIED AT THIS DIVISION'S EXPENSE.

**15. RECORD DRAWINGS**

.1 OBTAIN AND PAY FOR TWO SETS OF WHITE PRINTS AND MARK CLEARLY AND NEATLY ALL CHANGES IN CONDUIT RUNS, LOCATION OF EQUIPMENT OR FIXTURES AND REVISIONS MADE BY ADDENDUMS, CHANGE ORDERS AND SITE INSTRUCTIONS.

.2 THE RECORD DRAWINGS SHALL BE KEPT ON SITE AND SHALL BE AVAILABLE FOR REVIEW BY THE ARCHITECT/CONSULTANT.

.3 THE RECORD DRAWINGS SHALL SHOW ALL CONDUIT, WIRING DIAGRAMS AND CONDUCTOR RUNS FOR ALL SYSTEMS INCLUDING SIZES, TYPES OF COMPONENTS, CIRCUIT NUMBERS, ETC. EXACTLY AS INSTALLED.

.4 PRIOR TO REQUESTING FINAL INSPECTION SUBMIT ONE SET OF MARKED-UP PRINTS FOR REVIEW BY THE CONSULTANT.

.5 REVIEW OF THE RECORD DRAWINGS BY THE CONSULTANT SHALL BE FOR GENERAL CONFORMANCE ONLY AND IS NOT AN APPROVAL OF THE ACCURACY OF THE DRAWINGS. THIS DIVISION SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE RECORD DRAWINGS.

.6 AFTER REVIEW BY THE CONSULTANT, REQUEST ONE SET OF CAD DISKS AND PAY ($1,000.00), AND TRANSFER ALL THE RECORDED INFORMATION FROM THE WHITE PRINTS TO THE DISKS.

.7 SUBMIT THE AS-BUILT CAD DISKS, TWO SETS OF WHITE PRINTS PRODUCED FROM THE AS-BUILT DISK SET, AND THE ORIGINAL MARKED-UP PRINTS OF THE RECORD DRAWINGS.

**16. ELECTRICAL TESTING AND COMMISSIONING**

.1 ALL SYSTEMS, EQUIPMENT AND INSTALLATION SHALL BE INSPECTED, TESTED, ADJUSTED AND COMMISSIONED TO ENSURE COMPLIANCE WITH THE DRAWINGS, SPECIFICATIONS AND REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.

.2 PROVIDE TESTING EQUIPMENT, INSTRUMENTS, MATERIAL AND LABOUR FOR ALL TESTING AND COMMISSIONING.

.3 SUBMIT REPORTS OF ALL TESTING AND COMMISSIONING FOR REVIEW BY THE CONSULTANTS.

**17. CUTTING AND PATCHING**

.1 ALL CUTTING, PATCHING AND CORE DRILLING REQUIRED FOR ELECTRICAL CONTRACTOR'S WORK SHALL BE BY THE ELECTRICAL CONTRACTOR TO THE COMPLETE SATISFACTION OF THE ARCHITECT AND CONSULTANT.

.2 ELECTRICAL CONTRACTOR SHALL INCLUDE IN TENDER THE COST FOR X-RAY OF LOCATION FOR ALL FLOOR CORE DRILLING AND SAW CUTTING TO ESTABLISH EXACT LOCATION.

**18. SCHEDULE OF WORK**

.1 ADHERE TO SCHEDULE OF WORK AS PROVIDED BY THE CONSULTANT AND THE CONTRACTOR.

**19. MATERIALS**

.1 ALL MATERIALS USED SHALL BE NEW AND OF THE TYPE SPECIFIED AND FREE FROM DEFECTS AND THEY SHALL BE C.S.A. APPROVED.

.2 ALL WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER, PRESENT A NEAT MECHANICAL APPEARANCE AND CONFORM WITH ONTARIO ELECTRICAL SAFETY CODE AND LOCAL AUTHORITIES REQUIREMENTS.

.3 ALL L.V. WIRES AND CABLES SHALL HAVE 600 VOLTS INSULATION AND BE SUITABLE FOR THE LOCATION USED AND SHALL HAVE A CURRENT CARRYING CAPACITY IN ACCORDANCE WITH PROVINCIAL INSPECTION DEPARTMENT STANDARDS.

.4 BX90 CAN BE USED ONLY IN PARTITIONS AND WHERE CONCEALED, TERMINATE CABLES WITH A JUNCTION BOX IN THE ACCESSIBLE CEILING SPACE, HOME RUN FROM JUNCTION BOX TO LIGHTING PANEL SHALL BE IN CONDUIT.

.5 NO WIRE SMALLER THAN #12 SHALL BE USED EXCEPT FOR INTERNAL WIRING OF LIGHTING FIXTURES.

.6 ALL WIRING TO BE COLOR CODED AND SHALL BE IDENTIFIED WITH BRADY SELF-STICKING PERMACODE WIRE MARKERS. NO JOINTS WILL BE PERMITTED ON FEEDERS (COPPER).

.7 ALL JOINTS TO BE SECURELY FASTENED BY MEANS OF MARR CONNECTORS.

.8 RACEWAYS SHALL BE RIGID METAL CONDUIT, EMT OR FLEXIBLE CONDUIT AS SHOWN ON THE DRAWINGS. PROVIDE GROUND WIRE AS REQUIRED.

.9 EMT COUPLINGS AND CONNECTORS TO BE T&B STEEL SET SCREW TYPE.

.10 CONDUITS ARE NOT ALLOWED TO BE INSTALLED IN OR ON UNDERSIDE OF CABLE TRAY OR TO BE ATTACHED TO THE METAL DECK.

.11 USE OR RUNNING THREADS IS NOT PERMITTED.

.12 ALL CONDUITS MUST BE SECURELY FASTENED WITH APPROVED CLIPS AND SCREWS IN PARTITIONS AND CADDY CLIPS IN CEILING. NAILS OR TIE WIRES WILL NOT BE ACCEPTED.

.13 OPENINGS IN ALL ELECTRICAL METAL BOXES SHALL BE PUNCHED OR CUT. BURNING OF HOLES WILL NOT BE PERMITTED.

.14 WIRING DEVICES SHALL BE SPECIFICATION GRADE, WITH WHITE FINISH COMPLETE WITH MULTIPLE GANG SUPER STAINLESS STEEL TYPE 302 PLATES, AND SHALL MATCH EXISTING ONES, UNLESS OTHERWISE NOTED.

.15 SIZES OF RACEWAYS AND CONDUIT SHALL BE ACCORDANCE WITH C.S.A., ONTARIO ELECTRICAL SAFETY AUTHORITY AND LOCAL AUTHORITIES STANDARDS.

.16 CONDUIT SHALL BE OF SUCH A SIZE AND SHALL BE SO INSTALLED THAT THE REQUIRED CONDUCTORS MAY BE DRAWN IN WITHOUT STRAIN OR INJURY. C.S.A. APPROVED LUBRICANT MAY BE USED WHERE NECESSARY. SIZE OF CONDUIT SHALL BE IN ACCORDANCE WITH THE DRAWINGS AND THE REQUIREMENTS OF THE ONTARIO ELECTRICAL SAFETY AUTHORITY AND LOCAL AUTHORITIES HAVING JURISDICTION AND THE LATEST EDITION OF THE ELECTRICAL SAFETY CODE.

.17 THIS DIVISION SHALL DISPOSE OFF SITE ALL EMPTY CARTONS, CRATES, ETC., IN WHICH LIGHTING FIXTURES, LAMPS, AND OTHER MATERIALS ARE DELIVERED.

.18 THE SUPPORTS REQUIRED FOR MOUNTING AND INSTALLATION OF RECESSED LIGHTING FIXTURES SHALL BE SUPPLIED BY THIS DIVISION. THE SUPPORTS SHALL BE ATTACHED SECURELY TO THE BUILDING STRUCTURE. EXISTING CEILING SYSTEM, DUCTWORK, AND DUCTWORK SUPPORT SHALL NOT BE USED AS A SUPPORTING MEANS.

.19 TEST ALL PARTS OF THE RE-USED OR RELOCATED EQUIPMENT AND CORRECT ALL FAULTS AND GROUNDS.

.20 PROVIDE SLEEVES OF GALVANIZED STEEL PIPE WITH MACHINE CUT ENDS OF AMPLE SIZE TO ACCOMMODATE CONDUITS PASSING THROUGH WALLS, PARTITIONS, CEILINGS, FLOORS, ETC.

.21 THE SPACE BETWEEN SLEEVE AND CONDUIT AND THE SPARE SLEEVES SHALL BE FILLED WITH DOW CORNING SILICONE RTV FOAM FOR FIRE STOP. CAULK AROUND THE TOP AND BOTTOM WITH APPROVED PERMANENTLY RESILIENT, NON-FLAMABLE AND WEATHERPROOF SILICONE BASE COMPOUND.

**20. WIRES AND CABLES**

.1 ALL L.V. WIRES AND CABLES UP TO 4/0 SHALL HAVE COPPER CONDUCTORS WITH T90 NYLON 600V INSULATION AND BE SUITABLE FOR THE LOCATION USED AND HAVE A CURRENT CARRYING CAPACITY IN ACCORDANCE WITH PROVINCIAL INSPECTION DEPARTMENT STANDARDS.

.2 NO WIRE SMALLER THAN #12 AWG SHALL BE USED ON LIGHTING & POWER CIRCUITS EXCEPT FOR INTERNAL WIRING OF LIGHTING FIXTURES.

.3 CONTROL WIRE SHALL BE NO SMALLER THAN #18 AWG.

.4 ALL WIRING TO BE COLOUR CODED AND SHALL BE IDENTIFIED WITH BRADY SELF- STICKING PERMACODE WIRE MARKERS.

.5 ALL JOINTS TO BE SECURELY FASTENED BY MEANS OF MARR CONNECTORS.

**21. CONDUIT**

.1 RACEWAYS SHALL BE RIGID METAL CONDUIT, EMT OR FLEXIBLE CONDUIT AS SHOWN ON THE DRAWINGS. ALL CONDUIT WORK IN OR UNDER FLOOR SLAB SHALL BE RIGID PVC AND EMT WHERE RUN OVERHEAD AND ON/IN WALLS..

.2 COUPLINGS AND CONNECTORS TO BE T & B STEEL RAINTIGHT. FOR OUTSIDE INSTALLATION AND SET SCREW TYPE FOR INSIDE INSTALLATION.

.3 ALL CONDUITS SHALL BE EMT AND SHALL BE RUN OVERHEAD.

.4 USE OF RUNNING THREADS IS NOT PERMITTED.

.5 ALL CONDUITS MUST BE SECURELY FASTENED WITH APPROVED CLIPS AND SCREWS IN PARTITIONS AND CADDY CLIPS IN CEILING SPACE.

.6 ALL CONDUITS, ETC. SHALL BE INSTALLED TO TAKE CARE OF EXPANSION AND APPROVED EXPANSION JOINTS SHALL BE INSTALLED WHERE REQUIRED WHETHER INDICATED OR NOT.

.7 A SEPARATE GROUND WIRE SHALL BE INSTALLED IN ALL FLEXIBLE CONDUITS, EMT CONDUITS, UNDERGROUND CONDUITS, IN WALL OR BELOW SLAB, AND IN ALL NON-METALLIC CONDUITS OR DUCTS.

.8 RIGID P.V.C. CONDUIT SHALL BE A RIGID NON-METALLIC CONDUIT OF UNPLASTICIZED POLYVINYL CHLORIDE.

.9 RIGID METAL CONDUIT ENTERING BOXES IN IN WET LOCATIONS SHALL BE SECURED WITH STEEL BULLET HUB CONNECTORS, NYLON INSULATED WITH NEOPRENE 'O' RING.

.10 CONDUITS EXPOSED TO THE WEATHER, IN WET LOCATIONS, SUBJECT TO MECHANICAL INJURY OR IN ANY HAZARDOUS LOCATIONS, SHALL BE RIGID METAL CONDUIT (RGS TYPE).

**22. OUTLET BOXES**

.1 OUTLET BOXES INSTALLED INSIDE THE BUILDING SHALL BE ELECTRO-GALVANIZED AND MADE OF CODE GAUGE STEEL. WHERE SURFACE MOUNTED THEY SHALL BE 'FS' OR 'FD' FERALOY CONDULETS (EXCEPT. FOR STARTERS).

.2 OUTLET BOXES INSTALLED OUTSIDE BUILDING SHALL BE WEATHER PROOF TYPE, WITH NEOPRENE GASKET AND CAST COVER.

.3 OUTLET BOXES SHALL BE SECURELY FASTENED TO THE SURFACE ON WHICH THEY ARE MOUNTED. IF THE BOXES ARE NOT MOUNTED ON A SURFACE THEN ADEQUATE AND INDEPENDENT SUPPORTS MUST BE PROVIDED.

.4 OUTLET BOXES SHALL BE PROVIDED FOR EACH RECESSED OR SURFACE MOUNTED LIGHTING FIXTURE.

.5 MULTI-GANG OUTLET BOXES WITH SINGLE COVER PLATE SHALL BE USED WHERE SWITCHES ARE GROUPED.

.6 ALL UNUSED OPENED KNOCKOUTS/OUTLET BOXES SHALL BE CLOSED WITH STEEL KNOCKOUT/PLATES PLUGS.

**23. GROUNDING**

.1 ALL NON-CURRENT CARRYING METAL PARTS SHALL BE GROUNDED IN ACCORDANCE WITH E.S.A., C.S.A. AND PROVINCIAL INSPECTION DEPARTMENT STANDARDS.

.2 OPENING IN ALL ELECTRICAL METAL BOXES SHALL BE PUNCHED OR CUT. BURNING OF HOLES WILL NOT BE PERMITTED.

.3 PROVIDE GROUNDING FOR THE COMPLETE INSTALLATION AS REQUIRED BY THE ELECTRICAL SAFETY CODE AND IN ACCORDANCE WITH ONTARIO ELECTRICAL SAFETY AUTHORITY.

.4 PROVIDE SEPARATE GROUND WIRE IN EACH RACEWAY/DUCT AND/OR EMT CONDUIT.

.5 PROVIDE COMPLETE PERMANENT AND CONTINUOUS, SYSTEM AND EQUIPMENT GROUNDING SYSTEMS INCLUDING, GROUND RODS, CONDUCTORS, CONNECTORS, ACCESSORIES, TO CONFORM TO REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.

.6 A SEPARATE COPPER WIRE SHALL BE INSTALLED IN ALL FLEXIBLE CONDUITS, EMT CONDUITS, IN ALL NON METALLIC CONDUITS AND IN ALL CONDUITS IN CONCRETE SLABS.

**24. DEMOLITION**

.1 DEMOLITION OF EXISTING WALLS AND CEILINGS, WILL BE CARRIED OUT BY THE GENERAL CONTRACTOR UNDER A DEMOLITION CONTRACT.

.2 REMOVAL AND/OR RELOCATION OF EXISTING ELECTRICAL FIXTURES AND DEVICES WILL BE CARRIED OUT BY THIS CONTRACTOR.

**25. FIRE ALARM**

.1 THE EXISTING FIRE ALARM SYSTEM (NOTIFIER) PANEL SHALL BE OPERATIONAL AT ALL TIMES DURING CONSTRUCTION.

.2 EXISTING F.A. PANEL LOCATED ON GROUND FLOOR (SEE KEY PLAN) SHALL REMAIN. PROVIDE ALL ASSOCIATED COMPONENTS (I.E. DEVICES, MODULES, CONDUIT, WIRING ETC.) TO SUIT ADDITION/RELOCATION OF DEVICES AS SHOWN ON DRAWINGS.

.3 PROVIDE EXTENSION TO THE EXISTING FIRE ALARM SYSTEM AS SHOWN ON THE DRAWINGS COMPLETE WITH ALL COMPONENT, EQUIPMENT WIRING ETC. FOR A COMPLETE & OPERATING SYSTEM.

.4 PROVIDE NEW F.A. DEVICES AS SHOWN ON THE DRAWINGS AND CONNECT TO THE EXISTING FIRE ALARM SYSTEM/F.A. SYSTEM DEVICE. PROVIDE ALL ASSOCIATED COMPONENTS TO SUIT.

.5 NEW F.A. DEVICES SHALL MATCH EXISTING.

.6 ALL WIRING SHALL HAVE COPPER CONDUCTORS.

.7 RELOCATE/REMOVE EXISTING F.A. DEVICES AS SHOWN ON THE DRAWING. PROVIDE ALL REQUIRED COMPONENTS TO SUIT.

.8 EXISTING FIRE ALARM GRAPHIC SHALL BE REPLACED WITH NEW TO SUIT ARCHITECTURAL MODIFICATION TO THE EXISTING BUILDING (SEE KEY PLAN).

.9 EXISTING FIRE ALARM PANEL AND EXISTING F.A. ANNUNICIATOR SHALL BE MODIFIED TO SUIT ARCHITECTURAL MODIFICATION TO THE EXISTING BUILDING. ADJUST ALL COMPONENTS TO SUIT (SEE KEY PLAN).

.10 ALL EQUIPMENT AND WIRING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND MUST COMPLY WITH ULC STANDARD CAN/ULC-S524-14.

.11 THE dbo READINGS SHALL BE PROVIDED BY THE FIRE ALARM SYSTEM VENDOR FOR ROOM HAVING AUDIBLE DEVICES IN THE BUILDING. THE TESTING REPORT SHALL BE PREPARED AND SUBMITTED FOR REVIEW BY THE CONSULTANT

.12 ELECTRICAL CONTRACTOR SHALL INCLUDE IN TENDER PRICE TO EMPLOY AND PAY FOR THE SERVICES OF AN INDEPENDENT COMPANY TO TEST, INSPECT AND VERIFY THE OPERATION OF THE FIRE ALARM SYSTEM IN ACCORDANCE WITH CAN/ULC-S1001-11 FOR "INTEGRATED SYSTEMS TESTING OF FIRE PROTECTION AND LIFE SYSTEMS" THREE WEEKS PRIOR TO SUBSTANTIAL COMPLETION OF THE CONTRACT. ALL APPLICABLE CONTRACTORS, SUB-CONTRACTORS AND SUPPLIER SHALL INCLUDE ALL REQUIRED COSTS IN THEIR RESPECTIVE TENDER COST.

.13 A CERTIFICATE SHALL BE PROVIDED BY THE SYSTEM MANUFACTURER/INSTALLER UPON COMPLETION OF THE INSPECTION, VERIFYING THAT THE SYSTEM IS INSTALLED, TESTED, SUPERVISED AND OPERATES ACCORDING TO ALL CODES AND AUTHORITIES HAVING JURISDICTION. SUBMIT THE CERTIFICATION/VERIFICATION REPORT TO THE ARCHITECT/CONSULTANT FOR REVIEW.

**26. SPRINKLER PROOF EQUIPMENT**

.1 ELECTRICAL EQUIPMENT INSTALLED SHALL BE SPRINKLERPROOF WHERE SPRINKLERS INSTALLED, IT SHALL BE CONSTRUCTED SO THAT WATER FROM THE SPRINKLER HEADS SHALL NOT IMPAIR THE EFFECTIVENESS OF THE EQUIPMENT. (PROVIDE DRIP HOOD DOOR AND GASKET TO SUIT)

.2 A SEPARATE AND COMPLETE ROOF SHALL BE PROVIDED ON FREE STANDING OR SURFACE MOUNTED EQUIPMENT. AN OVERHANG AT THE FRONT, REAR AND SIDES SHALL PREVENT THE ENTRANCE OF WATER EITHER AT THE TOP OR THROUGH PROJECTING FACE PLATES, METERS, ETC.

.3 WHERE OPENINGS ARE REQUIRED IN THE ROOFS OR SIDES OF INCOMING AND OUTGOING CONDUITS AND CABLES, REMOVABLE GASKETTED PLATES SHALL BE PROVIDED AND THE CONDUITS AND CABLES SHALL BE INSTALLED USING WATERPROOF FITTINGS. THE PLATES ARE TO BE GROUNDED BY A SEPARATE COPPER STRAP TO THE EQUIPMENT.

**27. CONTACTORS:**

.1 CONTRACTORS (SHALL MATCH EXISTING) CONTROLLING BRANCH CIRCUITS SHALL BE TUNGSTEN RATED, ELECTRICALLY OPERATED, ELECTRICALLY HELD WITH COIL CLEARING CONTACTS OF THE SIZE AND RATING SPECIFIED, COMPLETE WITH CONTROL TRANSFORMER, CONTROL CIRCUIT FUSES, PILOT LIGHT WARNING LABEL AND ON/OFF/AUTO SELECTOR SWITCH.

.2 CONTACTORS SHALL BE IN SPRINKLER PROOF ENCLOSURE UNLESS OTHERWISE NOTED.

.3 THE CONTACTORS AMPERE RATING SHOWN ON THE DRAWINGS IS THE MINIMUM CONTINUOUS ENCLOSED DERATED RATING OF THE CONTACTORS.

.4 CONTACTORS CONTROLLING BRANCH CIRCUITS SHALL BE MOUNTED NEXT TO OR ABOVE THE LIGHTING PANEL FROM WHICH THEY ARE FED, UNLESS OTHERWISE NOTED.

.5 CONTACTORS SHALL BE OF ASCO, ALLEN-BRADLEY, CUTLER-HAMMER, SIEMENS OR SQUARE 'D' MANUFACTURE.

**28. EXISTING LIGHTING / POWER PANELS**

.1 EXISTING LIGHTING AND POWER PANELS FOR 347/600 & 120/240V SYSTEM ARE LOCATED AS SHOWN ON DRAWINGS.

.2 PROVIDE UPDATED TYPED PANEL DIRECTORIES AND NEW BREAKERS FOR EXISTING PANELS PART OF THIS CONTRACT.

**29. WIRING DEVICES**

.1 ALL WIRING DEVICES INSTALLED UNDER THIS CONTRACT SHALL BE SPECIFICATION GRADE AND MANUFACTURED BY P & S, HUBBELL OR EQUAL.

.2 LOCAL SWITCHES SHALL BE TOGGLE ROCKER TYPE A.C. RATED 20 AMPERES, 347 VOLTS OR 120 VOLTS QUIET-TYPE WITH SILENT OPERATING MECHANISM TOTALLY ENCLOSED IN A MOLDED COMPOSITION BASE. SWITCHES SHALL BE SINGLE POLE, THREE OR FOUR WAY AS INDICATED. WHERE LOCK TYPE LOCAL SWITCHES ARE INDICATED THESE SHALL BE SIMILAR TO THE ABOVE SPECIFICATION WITH KEY OPERATOR (SIMILAR TO LEVITON 1221-2KL). PROVIDE OWNER ONE (1) KEY FOR EACH SWITCH INSTALLED.

.3 ALL RECEPTACLES INSTALLED IN THIS BUILDING SHALL BE GROUNDING TYPE WITH GROUNDING PIN SLOT CONNECTED TO DEVICE GROUND SCREW FOR GROUND WIRE CONNECTION.

.4 DUPLEX RECEPTACLES P & S 5252 SERIES (NEMA 5-15R), HUBBELL OR EQUAL

.5 ALL COVER PLATES SHALL BE STAINLESS STEEL TYPE OR SHALL MATCH EXISTING. COORDINATE WITH THE ARCHITECT.

.6 ALL WIRING DEVICES SHALL MATCH EXISTING TYPE. COORDINATE WITH ARCHITECT.

.7 LIGHT SWITCHES AND RECEPTACLES ON NORMAL POWER SHALL BE WHITE UNLESS NOTED OTHERWISE. (COORDINATE WITH THE OWNER)

**30. EMERGENCY LIGHTING**

.1 SUPPLY AND INSTALL EMERGENCY LIGHTING EQUIPMENT COMPLETE WITH ASSOCIATED CONDUITS, WIRING, DEVICES, ETC. AS SHOWN ON DRAWINGS AND SPECIFIED BELOW.

.2 EMERGENCY BATTERY LIGHTING UNITS TYPE 'X' SHALL BE AS MANUFACTURED BY LUMACELL AND SHALL BE CSA C22.2.141 PERFORMANCE APPROVED AND SHALL BE CONNECTED TO A 120 VOLT A.C. 60 CYCLE, SINGLE PHASE POWER SOURCE AND SHALL PROVIDE AUTOMATICALLY AND INSTANTANEOUSLY EMERGENCY LIGHTING UPON FAILURE OR INTERRUPTION OR NORMAL ELECTRIC POWER. BATTERIES SHALL BE SEALED LEAD, 24 VOLT, 144 WATT. CHARGER SHALL BE COMPLETELY AUTOMATIC SOLID STATE TYPE, WITH INVERSE TEMPERATURE COMPENSATION. THE CONTROL PANEL SHALL CONTAIN THE FOLLOWING:
- A.C. PILOT LIGHT.
- TEST BUTTON.
- ON-OFF SWITCH.
- PROVISION FOR CONDUIT CONNECTION.
- BURN-OUT PROTECTION.

.3 THE BATTERY UNITS SHALL BE LUMACELL "RG24S-144", BEGHELLI, EMERGI-LITE.

.4 THE COMPLETE SYSTEM SHALL HAVE A ONE YEAR UNCONDITIONAL GUARANTEE AND A 5-YEAR PRO-RATED GUARANTEE ON WORKMANSHIP AND PARTS AND 10 YEARS PRO-RATED ON BATTERIES.

.5 TYPE 'X' SERIES SHALL BE "UNIVERSAL MOUNT" EXIT SIGNS WITH RUNNING MAN PICTOGRAM C/W LEFT/RIGHT INDICATOR(S) AS SHOWN ON DRAWINGS, SUITABLE FOR WALL, CEILING AND/OR END TO WALL MOUNTING, FOR 120 VOLT OPERATION AND PROVISIONS FOR 24 VOLT D.C. POWER SUPPLY. OVERALL DIMENSIONS OF THE FIXTURE SHALL BE APPROXIMATELY 13"L X 7.75"H X 2" DEEP MADE OF EXTRUDED ALUMINUM. EMERGI-LITE EA-SERIES AND BEGHELLI QUADRA-RM SERIES SHALL BE CONSIDERED EQUAL. NEW UNIT CONNECTED TO EXISTING CIRCUIT SHALL MATCH EXISTING REQUIREMENTS.

.6 EMERGENCY REMOTE HEADS:

TYPE 'LA' SHALL BE BEGHELLI TEMPESTA #TA-RMT-LED-R/TB LED REMOTE EMERGENCY LIGHTING FIXTURE COMPLETE WITH 17 WATT, 24 VOLT LED LAMPS. NEW UNIT CONNECTED TO EXISTING CIRCUIT SHALL MATCH EXISTING REQUIREMENTS.

TYPE 'LB' SHALL BE BEGHELLI #VR-LED REMOTE EMERGENCY LIGHTING FIXTURE COMPLETE WITH 1-7 WATT, 24 VOLT LED LAMPS. NEW UNIT CONNECTED TO EXISTING CIRCUIT SHALL MATCH EXISTING REQUIREMENTS.

TYPE 'LC' SHALL BE BEGHELLI TEMPESTA #TA-RMT-LED-EM-R/TB LED REMOTE EMERGENCY LIGHTING FIXTURE COMPLETE WITH 17 WATT, 24 VOLT LED LAMPS AND SELF POWERED WITH BATTERY BACKUP.

.7 APPROVED MANUFACTURERS FOR TYPE 'X' AND 'E' SERIES FIXTURES ARE BEGHELLI, EMERGI-LITE, AIMLITE.

.8 INSTALL UNITS WHERE SHOWN ON THE DRAWING AND PROVIDE ALL NECESSARY MOUNTING PLATFORMS AND MOUNTING HARDWARE.

.9 ELECTRICAL CONTRACTOR SHALL PROVIDE CERTIFICATE FOR EMERGENCY LIGHTING AND REPORT OF EMERGENCY LIGHTING LEVELS IN