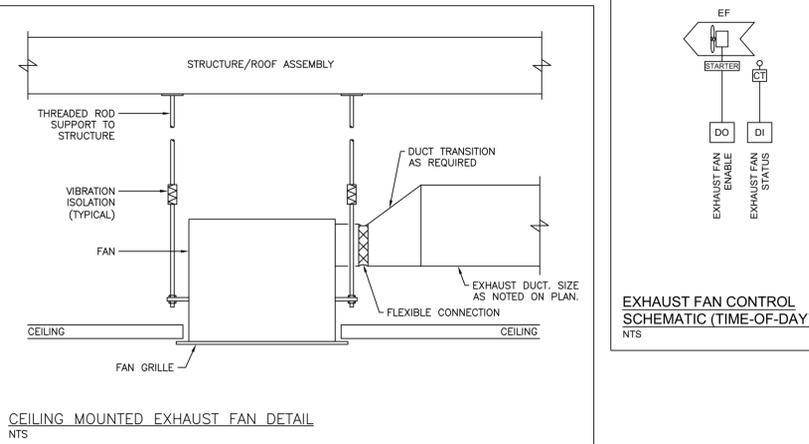


TITLEBLOCK 24x36 VERT ENG
PRINT DATE: 2026-03-16 3:15:41 PM
PATH: A:\bids\2026\Accessability Projects\A001199-Waverly PS.MXD.rvt

PLUMBING FIXTURE SCHEDULE	
WC-1 FLOOR MOUNTED TOILET - VITREOUS CHINA - FLUSH TANK	
American Standard Cadeo Pro Round Front #215DA 104.020 020 Low consumption Toilet, 3517D, 101.020, 418BA 054 020, 381 mm high, Vitreous china with EverClean antimicrobial surface which inhibits the growth of stain and odor causing bacteria mold and mildew, round bowl, White Finish, Floor Mounted, Cadeo Flushing system, 5.0 L (1.6 US Gall) per flush, Raised sanitary bar, 229 mm x 203 mm (9" x 8") water surface, two (2) piece, "Speed Connect tank assembly, bolted tank cover, 305 mm (12") rough-in, elongated bowl, 54 mm (2-1/8") fully glazed internal trapway, floor outlet, bolt caps, Toilet seat not included. Centocoo #300CCSS 001 Toilet Seat, extra heavy duty, for round front bowl, open front, solid plastic, less cover, stainless steel self-sustaining check hinges, metal fat washers stainless steel posts and nuts, McGuire #LFH16LKN3 Toilet Supply, Chrome plated finish polished brass, heavy duty angle stops, 13 mm (1/2") I.P.S., inlet x 76 mm (3") long rigid horizontal nipples, V.P. Loose keys, Escutcheon and flexible copper risers, Provider: Floor Flange, (Same material as the connecting pipe drain), with all brass bolts and with rubber gasket.	
LV-1 WALL HUNG BASIN - SINGLE HANDLE FAUCET	
American Standard Lucerne #0355.912.020 Basin Sealed overflow, 3 holes, 4" (102 mm) center, 521 mm x 464 mm x 308 mm (20-1/2" x 18-1/4" x 12-1/8") high, Vitreous china, White Finish, for carrier with concealed arms, self-draining faucet ledge, contoured back and side splash shield, Moon Commercial #898A M-Press faucet with 4" deck plate, chrome plated brass construction, vandal resistant, ADA lever style handle, cycle time adjustment from 5 to 60 seconds, 0.5 gpm (1.9L/min) vandal-resistant multi-stream laminar flow limits water discharge to a maximum of 0.25 gpc (0.96L/cycle) @ 30 seconds or 0.20 gpc (0.76L/cycle) @ 24 seconds, McGuire #PRODRAN Open Grid Drain, cast brass one piece top, 17 GA. (1.5mm) mm tubular 32 mm (1-1/4") tailpiece, Less overflow holes, McGuire #LFH170BV Faucet Supplies, Chrome plated finish polished brass, commercial duty 1/4 turn ball valve angle stops, 13 mm (1/2") I.D. Inlet x 127 mm (5") horizontal extension tubes, convertible 1/4 turn loose key handles, Escutcheon and flexible copper risers, McGuire #8872C P-Trap, heavy cast brass adjustable body, with slip nut, 32 mm (1-1/4") size, Shallow wall flange and Seamless tubular wall bend, Watts #WCA-411 Basin Carrier, concealed arms, wall flanges to attach to backing plate secured with wall locking device and leveling screws, heavy gauge steel uprights with integral welded feet. For one unit, 102 mm (4") for two to six units in a row, 152 mm (6") finished metal stud wall to back of pipe space.	
TMV-1 THERMOSTATIC MIXING VALVE	
Lawler Tempered Water Mixer #66-25-PB-83004 Thermostatic Mixing Valve, plain bronze finish, bronze body construction, stainless steel sliding piston control mechanism and liner with independent pressure balance section, corrosion resistant components, with liquid filled motor, removable union end stop, check inlets with stainless steel strainer, tamper resistant adjustment, provide 3 way protection against hot or cold supply line and thermostatic failure, dial thermometer, volume valve/stop and union complete, ASSE 1017 approved, certified to CSA B125.3, valve shut control temperature from a low of 3.75gpm, 1.0gpm at 10psi and 17gpm at 20psi drop across the valve, 3/4" NPT inlet and 3/4" NPT outlet, 85°-135°F (29°-57°C), set point of 110°F (43°C), unit includes a shut-off valve and dial thermometer on tempered water. Also included is a valved cold water bypass line from the cold water supply line, no control (exposed).	
FD - FLOOR DRAINS - FINISHED AREA - ADJUSTABLE STRAINER	
Watts #FD-100-C-7-A5-1 Floor Drain - epoxy coated, cast iron body, reversible flashing clamp with primary and secondary weepholes, trap primer connection with plug, no hub outlet. Watts-A5-1 (127mm) diameter, nickel bronze, adjustable, round strainer. Alternates: Zurn, J.R. Smith	
CO - CLEANOUTS / ACCESS COVERS - ADJUSTABLE CLEANOUTS	
Watts #CO-200-R-34G Cleanout - epoxy coated, cast iron body, with 5" (127mm) round, adjustable, gasketed, nickel bronze top, ABS plug with neoprene gasket, no hub outlet. Alternates: Zurn, J.R. Smith	
ACCESS DOORS/COVERS - FLUSH ACCESS DOOR - UNIVERSAL	
Acudor #UF-6000 Universal Access Doors, 14 GA. (1.7mm) steel, baked enamel prime coat, continuous concealed hinge, with positive and self-opening screwdriver operated lock. Doors in washroom shall be stainless steel. All other panels shall be baked enamel prime coated for field painting. Minimum size of panels shall be 12" x 18" (300mm x 450mm). Wherever possible 24" x 24" (600mm x 600mm) panels shall be used.	
WATER HAMMER ARRESTORS - PPP SC SERIES	
SMS INC. #SC Series Water Hammer Arrestors with brass piston in a type 'K' copper casing size according to manufacturer's recommendations to eliminate water hammer and shock from piping system. Provide Water Hammer Arrestors on hot and cold water supplies to all quick valves, solenoids, and plumbing fixtures, and locate in an upright position between the last two fixtures on a line, or horizontally at the end of line closest to supply source. On projects exceeding five stories in height, provide water hammer arrestors on domestic water risers as follows. Locate arrestors at the end of riser opposite supply source.	

FAN SCHEDULE	
TAG	EF-A
SERVICE	KINDERGARTEN WASHROOM
TYPE	CEILING MOUNTED
MANUFACTURER	BROAN
MODEL	QTXE90C
AIR FLOW	cfm 90
EXTERNAL STATIC	in.wc. 0.25
SOUND	0.6
FAN RPM	--
FAN MOTOR	hp FRACTIONAL
FAN TYPE	CENTRIFUGAL BLOWER
AMPS	amps 0.3
ELECTRICAL	volt/ohm 120/1
DIMENSIONS	inches 9.5W x 10.5L x 8H
APPROX. WEIGHT	lbs 36
CONTROLS	-TIE INTO BAS TO RUN DURING OCCUPIED HOURS
ACCESSORIES	-PLUG IN -POLYMERIC GRILLES -BACKDRAFT DAMPER -ANTI-VIBRATION MOTOR MOUNTS -6" DUCT CONNECTOR ASSEMBLY
ALTERNATE MANUFACTURERS	REVERSONATIC, ZONEX



HVAC MATERIAL SPECIFICATIONS:	
1. DUCTWORK:	
1. IN CONFORMANCE WITH SMACNA, ASHRAE, OBC, NFPA 90A.	
2. SHEET METAL SHALL BE BEST QUALITY LOCK FORMING GALVANIZED SHEET METAL. GALVANIZING SHALL BE TO ASTM A525 (G90), HAVING A THICKNESS OF 0.054 MM AND WEIGHING NOT LESS THAN 0.31 KG/M2 ON EACH SURFACE. PROVIDE INSTRUMENT TEST PORTS IN DUCTS FOR POT TUBE INSERTION WITH CAM-ACTION HANDLE, MOULDED NEOPRENE GASKET AND EXPANSION PLUG. ZINC COATED STEEL CONSTRUCTION.	
4. ALL ROUND DUCTWORK SHALL BE SPIRAL.	
2. DUCT ACCESS DOORS	
1. DUCT ACCESS DOORS SHALL BE EQUAL TO NAILOR 085CL(SQUARE) OR 080(OVAL). REFER TO DETAIL.	
3. THERMAL DUCT INSULATION:	
1. INSULATION SHALL BE PRECOVERED, REFORMED RIGID FIBROUS GLASS INSULATION COMPLETE WITH FOIL OR KRAFT ALL-PURPOSE JACKET.	
2. 0.75 PCF (12 kg/m ³) DENSITY, 0.29 K-VALUE WITH 25/50 FLAME SPREAD/SMOKE DEVELOPMENT CLASSIFICATION IN ACCORDANCE WITH CANULC S102.	
3. SUPPLY, RETURN AND EXHAUST DUCT APPLICATION THICKNESS: 1" (25mm) MINIMUM.	
5. RECOVERING JACKETS (INTERIOR); ULC LISTED "THERMO CANVAS", TREATED COTTON FABRIC.	

PLUMBING SPECIFICATIONS:	
1. ALL PLUMBING PRODUCTS SHALL BE "LEAD-FREE" CERTIFIED TO ANSINSP 372.	
2. ALL NEW ABOVE GROUND WATER PIPING SHALL BE TYPE 'L' HARD COPPER, CERTIFYING TO ASTM B88, WITH SOLDER JOINTS.	
3. DRAINAGE SYSTEM (ABOVE GROUND):	
1. 2-1/2"(63mm) AND OVER - CAST IRON MJ PIPE WITH MJ FITTINGS AND STAINLESS STEEL CLAMPS.	
2. 2"(50mm) AND UNDER - COPPER DWV PIPE WITH WROUGHT COPPER SOLDER FITTINGS OR IPEX XFR OR PVC DWV.	
4. DRAINAGE SYSTEM (UNDERGROUND):	
1. PIPE UP TO AND INCLUDING 75mm(3") SHALL BE:	
1. ULC CERTIFIED PVC 40 DWV PIPE TO CANCSA B181.2 COMPLETE WITH PVC DWV FITTINGS TO CANCSA B181.2 WITH SOLVENT WELD JOINT.	
2. PIPE 75mm(3") UP TO AND INCLUDING 100mm(4") SHALL BE:	
1. ULC CERTIFIED PVC 40 DWV PIPE TO CANCSA B181.2 COMPLETE WITH PVC DWV FITTINGS TO CANCSA B181.2 WITH SOLVENT WELD JOINT, OR	
2. ULC CERTIFIED PVC SDR 28/35 BDS PIPE TO CANCSA B182.1 COMPLETE WITH PVC BDS FITTINGS TO CANCSA B182.2 WITH SOLVENT WELD JOINTS.	
3. PIPE 125mm(5") AND UP SHALL BE:	
1. ULC CERTIFIED PVC SDR 28/35 SEWER PIPE TO CANCSA B182.2 COMPLETE WITH PVC FITTINGS TO CANCSA B182.2 WITH RING GASKET JOINTS.	
5. VENTS PASSING THROUGH ROOF SHALL USE HEAVY GAUGE, SEAMLESS, SPUN ALUMINUM PRE-INSULATED, VANDAL PROOF VENT FLASHING AS SUPPLIED BY NATIONAL ROOFING SUPPLY OR THALER METAL.	
6. ALL NEW PIPE HANGERS SHALL BE:	
1. EPOXY COATED CLEVIS TYPE WITH THREADED SUSPENSION RODS WHERE HANGER DIRECTLY TOUCHES PIPING.	
2. ADJUSTABLE WROUGHT IRON CLEVIS TYPE AND/OR ADJUSTABLE RING WITH THREADED SUSPENSION RODS WHERE HANGERS WRAP AROUND OUTSIDE OF PIPE INSULATION. PROVIDE SADDLES TO PREVENT CRUSHING OF INSULATION EXCEPT FOR SIZES LESS THAN 1/4" (6.35mm) TO 1-1/4" (31.75mm). INSULATION CAN WRAP AROUND HANGERS.	
3. PIPE HANGER SPACING:	
-SIZES UP TO 1-1/4"(32mm) = 8'(2.5m) SPACING	
-SIZES 1-1/2"(38mm) TO 2"(50mm) = 10'(3m) SPACING	
-SIZES 2-1/2"(63mm) AND OVER = 12'(3.6m) SPACING	
4. PROVIDE HANGER WITHIN 12"(300mm) OF EVERY ELBOW	
7. PROVIDE A SUPPLY SHUT OFF VALVE ON HOT, COLD AND/OR TEMPERED WATER SUPPLY TO EACH FIXTURE. SUPPLY SHUT OFF SHALL BE EQUAL TO MCGUIRE H165. ALL VALVES SHALL BE LINE SIZE.	
8. BALL VALVES SHALL BE LEAD FREE WITH SOLDERED OR THREADED ENDS. BALL VALVES SHALL BE EQUAL TO KITZ #858 & #859. ALL VALVES SHALL BE LINE SIZE.	
9. CHECK VALVES SHALL BE LEAD FREE. CHECK VALVES 2" AND SMALLER SHALL BE EQUAL TO KITZ #822 & #823 WITH SOLDER OR THREADED ENDS. 2-1/2" AND LARGER CHECK VALVES SHALL BE EQUAL TO KITZ #150UAM WITH FLANGED ENDS. ALL VALVES SHALL BE LINE SIZE.	
10. FLEXIBLE SUPPLIES ARE NOT ACCEPTABLE FOR FLUSH TANK TOILETS OR ANY EXPOSED INSTALLATION, WHERE SUPPLIES ARE INSTALLED UNDER COUNTER OR BEHIND SHROUDS FLEXIBLE SUPPLIES ARE ACCEPTABLE.	
11. REFER TO PLUMBING FIXTURE SPECS INCLUDING FIXTURES, TRAP SEAL PRIMERS, WATER HAMMER ARRESTORS, ACCESS DOORS, ETC.	
12. INSULATION:	
1. EXTERNAL PIPE INSULATION SHALL BE RIGID, SECTIONAL FIBERGLASS TYPE AND BE COMPLETE WITH FACTORY APPLIED ALL PURPOSE VAPOR BARRIER, PRE-FORMED INSULATION SHALL BE USED AT PIPE FITTINGS, VALVES, ETC. PROVIDE NON-CRUSHING INSULATION AT ALL PIPE HANGERS AND PROVIDE SADDLES.	
2. INSULATE DOW, DHW AND DTW PIPING.	
3. INSULATE VENT LINES 1.5m BACK FROM ROOF.	
4. INSULATION THICKNESS: 1"(25mm)	
13. ACCESS DOORS/COVERS	
1. FLUSH ACCESS DOOR - UNIVERSAL: ACUDOR #UF-6000 UNIVERSAL ACCESS DOORS, 14 GA. (1.7mm) STEEL, BAKED ENAMEL PRIME COAT, CONTINUOUS CONCEALED HINGE, WITH POSITIVE AND SELF-OPENING SCREWDRIVER OPERATED LOCK. DOORS IN WASHROOMS SHALL BE STAINLESS STEEL. ALL OTHER PANELS SHALL BE BAKED ENAMEL PRIME COATED FOR FIELD PAINTING. MINIMUM SIZE OF PANELS SHALL BE 12"x18" (300mmx450mm). WHEREVER POSSIBLE 24"x24" (600mmx600mm) PANELS SHALL BE USED.	
2. RECESSED ACCESS DOOR - DRYWALL AREA: ACUDOR #DW-5019 SERIES RECESSED ACCESS DOOR, 16 GA. (1.5mm) STEEL, BAKED ENAMEL PRIME COAT, WITH CONCEALED PIVOTING ROD TYPE HINGE AND SELF-OPENING SCREWDRIVER OPERATED LOCK. DOOR TO BE RECESSED 5/8" (14mm) TO RECEIVE DRYWALL. FLANGE OF DOOR TO BE GALVANIZED STEEL FOR FIELD PAINTING TAPING BEADINGS TO PROVIDE FINISH OF DRYWALL JOINTS.	

HVAC NOTES:	
1. CONCEAL ALL SERVICES IN CEILING SPACES AND FURRED CONSTRUCTION UNLESS INSTALLED IN UNFINISHED OR EXPOSED AREAS OR IF SPECIFICALLY NOTED TO BE EXPOSED.	
2. COORDINATE INSTALLATION WITH ALL OTHER TRADES.	
3. REFER TO REFLECTED CEILING PLAN TO CONFIRM EXACT LOCATION OF GRILLES AND DIFFUSERS. LIGHTING TAKES PRECEDENCE.	
4. PROVIDE ACOUSTIC INSULATION IN ALL EXHAUST DUCTWORK 2.4m BACK FROM EXTERIOR WALL AND AS INDICATED ON DRAWINGS. SEAL ALL EXPOSED ENDS OF INSULATION.	
5. TEMPORARILY SEAL ALL OPEN DUCTS THROUGHOUT CONSTRUCTION TO PREVENT DUST AND DIRT FROM ENTERING THE SYSTEM. WHERE THE CONTRACTOR DOES NOT CONFORM THEY ARE RESPONSIBLE FOR CLEANING OF THE SYSTEMS IN A MANNER APPROVED BY THE CONSULTANT.	
6. SEAL ALL JOINTS ON ALL SUPPLY & RETURN AIR DUCTS WITH DURODYNE DUCT SEALER IN CONFORMANCE TO CLASS C ASHRAE 90.1 AND SMACNA STANDARDS. USE CLEAR DUCT SEALER OR SEAL BEHIND JOINTS WITH ALL EXPOSED DUCTWORK.	
7. BRANCH DUCTWORK TO DIFFUSERS TO BE SAME SIZE AS DIFFUSER NECK.	
8. PROVIDE BALANCE DAMPERS ON ALL BRANCH DUCTS CLOSE TO MAIN TAKE-OFF. REVIEW WITH BALANCING CONTRACTOR TO CONFIRM LOCATIONS OF ALL BALANCE DAMPERS PRIOR TO CONSTRUCTION.	
9. FLEXIBLE DUCT SHALL ONLY BE USED IN SUPPLY AIR APPLICATIONS FOR CONNECTIONS TO DIFFUSERS IN DROPPED CEILING. FLEXIBLE DUCT SHALL BE MAXIMUM 6' (1.8m) IN LENGTH AND SHALL BE SECURELY FASTENED TO DUCTS AND DIFFUSERS. PROVIDE HANGERS AND FLEXIBLE DUCTWORK WITHOUT SHARP 90's, SAGGING, OR CRUSHING OF DUCT. FLEXIBLE DUCT IS NOT ACCEPTABLE IN ANY OTHER APPLICATION.	
10. PROVIDE EXTERNAL INSULATION ON ALL SUPPLY AIR DUCTS, ALL OUTSIDE AIR DUCTS AND ON ALL EXHAUST DUCTS WITHIN 8'(2.4m) OF OUTSIDE WALL/ROOF INCLUDING RIGID AND FLEXIBLE DUCT.	
11. CONFIRM EXACT LOCATIONS OF SENSORS WITH ENGINEER AND OWNER. MOUNT SENSORS AT 8'(1500mm) AFF. ENSURE THAT SENSOR LOCATIONS WILL NOT BE AFFECTED BY DIRECT SUNLIGHT, COLD WALLS OR MILLWORK.	
12. ALL INDOOR CONTROL WIRING SHALL BE RUN IN EMT CONDUIT OR FT6 (EMT SHALL BE USED IN EXPOSED AREAS). LAST 3" SHALL BE BX WHEN USING CONDUIT. ALL OUTDOOR CONTROL WIRING SHALL BE RUN IN LIQUIDTIGHT. ALL CONTROL WIRING SHALL RUN PARALLEL TO BUILDING LINES AND TIGHT TO ROOF DECK OR WALLS. ALL CONTROL WIRING SHALL BE RUN THROUGH WALLS SHALL BE RUN IN EMT CONDUIT C/W BUSHINGS AT EACH END.	
13. LABEL CEILING TILE WITH PERMANENT ADHESIVE LABELS OR LAMACOID NAMEPLATES FOR ACCESS TO MECHANICAL ITEMS.	

PLUMBING NOTES:	
1. PROVIDE BEFORE AND AFTER SCOPING/FLUSHING.	
2. PROVIDE CLEANOUTS AS REQUIRED BY CODE. SIZE OF CLEANOUTS TO BE SAME SIZE AS SANITARY LINES.	
3. PROVIDE ALL TRENCHING, EXCAVATING AND BACKFILL FOR UNDERGROUND PLUMBING. ALL SAW CUTTING AND RESTORATION OF CONCRETE FLOOR IS BY GENERAL CONTRACTOR. COORDINATE WITH SAME.	
4. PROVIDE NEW PLUMBING VENTS THROUGH SECOND FLOOR AND THROUGH ROOF AS REQUIRED BY CODE OR TO THE INTO EXISTING WHERE POSSIBLE. SUPPLY AND INSTALL ROOF VENTS AS PER SPECIFICATIONS. ALL ROOFING WORK INCLUDING CUTTING, FLASHING AND MODIFICATIONS TO ROOF MEMBRANE SHALL BE BY GENERAL CONTRACTOR. COORDINATE WITH SAME.	
5. PROVIDE ISOLATION VALVES AT ALL FIXTURES.	
6. INSULATE ALL NEW DOMESTIC HOT, COLD AND TEMPERED WATER PIPING WITH 1"(25mm) INSULATION. PROVIDE PVC JACKET OVER INSULATION IN EXPOSED AREAS.	
7. PROVIDE SLEEVES FOR PIPES THROUGH ALL NEW BLOCK WALLS. FILL VOIDS AROUND PIPES. ENSURE NO CONTACT BETWEEN DISSIMILAR METALS.	
8. PROVIDE FIRE STOPPING AROUND ALL PIPING THROUGH FIRE SEPARATIONS IN ACCORDANCE WITH CANULC-S115.	
9. COORDINATE EXACT LOCATION OF NEW FLOOR DRAINS WITH GENERAL CONTRACTOR TO SUIT FLOOR SLOPE.	
10. PROVIDE TRAP SEAL PRIMER FOR ALL FLOOR DRAINS USING PRIMER SPECIFIED IN PLUMBING FIXTURE SCHEDULE. PRIMERS SHALL BE CONCEALED, MOUNT IN CEILING SPACE AND RUN LINE CONCEALED DOWN WALL AND UNDER FLOOR TO DRAIN.	
11. LABEL ALL NEW PIPING IN AREAS OF WORK COMPLETE WITH SERVICE AND FLOW ARROWS. LABELS SHALL BE MAX.3m(10') SPACING AND ON EITHER SIDE OF WALLS.	
12. SUPPLY ACCESS DOORS WHERE REQUIRED AND TURN OVER TO GENERAL CONTRACTOR FOR INSTALLATION. REFER TO PLUMBING FIXTURE SCHEDULE.	
13. PROVIDE ESCUTCHEONS AROUND WATER AND SANITARY PIPING THROUGH WALL, FLOOR OR MILLWORK AT ALL FIXTURES.	
14. LABEL CEILING GRID AT ACCESS TO ALL DEVICES.	
15. FLUSH AND PERFORM A VIDEO INSPECTION OF ALL UNDERGROUND PIPING SYSTEMS AFTER CONSTRUCTION AND IMMEDIATELY PRIOR TO APPLYING FOR SUBSTANTIAL COMPLETION.	

CONTROLS SCOPE OF WORK:	
1. THE GENERAL (PRIME) CONTRACTOR SHALL RETAIN THE INSTALLING CONTROLS CONTRACTOR FOR ALL NEW BAS CONTROLS WORK UNDER A CASH ALLOWANCE. ONCE THE CONTRACT IS AWARDED, THE DDSB SHALL SELECT A PRE-QUALIFIED INSTALLING CONTROLS CONTRACTORS BASED ON THE SCOPE OF WORK OUTLINED ON THE DRAWINGS. THE GENERAL (PRIME) CONTRACTOR SHALL CARRY THE SUCCESSFUL INSTALLING CONTROLS CONTRACTOR AS A SUB-TRADE UNDER THE ALLOTTED CASH ALLOWANCE (REFER TO CASH ALLOWANCE SPECIFICATION).	
2. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMO ELECTRIC (120V) CONTROLS WORK AND CONTROL WIRING ASSOCIATED WITH THE EXISTING AC UNITS.	
3. THE INSTALLING CONTROLS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMO AND NEW BAS CONTROLS WORK.	
4. DDSB SHALL SUPPLY ALL REQUIRED SENSORS, RELAYS, CURRENT SWITCHES, CONTROL DEVICES, AND ALL OTHER NECESSARY CONTROL DEVICES FOR A FULLY OPERATIONAL SYSTEM EXCEPT AS NOTED HEREIN AND TURN OVER TO INSTALLING CONTROLS CONTRACTOR FOR INSTALLATION. (THE EXISTING BAS SYSTEM IS SIEMENS CONTROLS).	
5. DDSB SHALL SUPPLY ALL ELECTRIC (24V) AND NEW BAS CONTROL VALVES AND TURN OVER CONTROL VALVE BODIES TO MECHANICAL CONTRACTOR FOR INSTALLATION. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP VALVES FROM DDSB OFFICE AND TRANSPORTING VALVES TO SITE. COORDINATE WITH DDSB.	
6. DDSB SHALL SUPPLY ALL NEW TEMPERATURE SENSOR WELLS AND TURN OVER TO MECHANICAL CONTRACTOR FOR INSTALLATION. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP WELLS FROM DDSB OFFICE AND TRANSPORTING WELLS TO SITE. COORDINATE WITH DDSB.	
7. SCOPE OF WORK SHALL INCLUDE BUT IS NOT LIMITED TO:	
1. REMOVAL OF REDUNDANT CONTROLS.	
2. PROVIDE NEW SPACE SENSORS, RELOCATE EXISTING SENSORS, OR REWIRE EXISTING SENSORS TO SUIT NEW CONTROLS AS REQUIRED AND AS INDICATED ON DRAWINGS.	
3. PROVIDE NEW OR UPGRADE EXISTING BAS CONTROLLERS AS INDICATED AND FOR COMPLETELY FUNCTIONAL SYSTEMS. THE NEW CONTROLLERS INTO EXISTING BAS CONTROL NETWORK. RELOCATE EXISTING CONTROLLERS AS REQUIRED AND THE BACK INTO EXISTING BAS CONTROL NETWORK.	
7. PROVIDE CONTROL FOR NEW EXHAUST FANS.	
6. MECHANICAL CONTRACTOR AND INSTALLING CONTROLS CONTRACTOR SHALL TAKE PRECAUTIONS DURING DEMOLITION AND NEW WORK TO ENSURE BAS COMMUNICATIONS WIRING REMAINS FULLY FUNCTIONAL. DURING RENOVATION, CONTROLS CONTRACTOR SHALL PROVIDE ANY TEMPORARY WIRING REQUIRED TO MAINTAIN SYSTEM UPTIME AND INTEGRITY.	
7. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING, REPAIRING, AND SEALING ANY WALLS, CEILINGS, OR EQUIPMENT WHERE EXISTING CONTROLS DEVICES ARE REMOVED. COORDINATE LOCATION AND PATCHING FOR NEW CONTROLS WITH INSTALLING CONTROLS CONTRACTOR.	

GENERAL NOTES:	
1. WORK TO BE COMPLETED OUTSIDE REGULAR HOURS:	
1. ANY WORK THAT CREATES DISRUPTION TO REGULAR SCHOOL OR OCCUPANT ACTIVITIES AND OPERATIONS SHALL BE DONE OUTSIDE OF REGULAR BUSINESS SCHOOL HOURS. THIS INCLUDES BUT IS NOT LIMITED TO SERVICE INTERRUPTIONS, WORK THAT GENERATES NOISE, WORK THAT GENERATES VIBRATIONS, WORK THAT GENERATES FUMES/SMELLS, ETC.	
2. ANY WORK INSIDE OR OUTSIDE, THAT CREATES RISK TO BUILDING OCCUPANTS SHALL BE DONE OUTSIDE OF REGULAR SCHOOL HOURS.	
3. ANY WELDING SHALL BE DONE OUTSIDE REGULAR SCHOOL HOURS.	
2. OBTAIN, ARRANGE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS.	
3. THE CONTRACTOR AND ITS SUB-TRADES SHALL ATTEND BI-WEEKLY SITE MEETINGS OR AS ARRANGED BY CONSULTANT OR OWNER.	
4. OBTAIN AND REVIEW THE DESIGNATED SUBSTANCE REPORT FROM THE CLIENT AND COORDINATE ANY DESIGNATED SUBSTANCE ISSUES WITH THE CLIENT PRIOR TO ANY WORK BEING DONE.	
5. PROVIDE SHOP DRAWINGS ELECTRONICALLY IN PDF FORMAT TO CONSULTANT FOR REVIEW. ALL SHOP DRAWINGS MUST BE REVIEWED, STAMPED AND SIGNED BY THE MECHANICAL CONTRACTOR PRIOR TO SUBMITTING TO THE CONSULTANT. REVIEW SHALL INCLUDE BUT NOT BE LIMITED TO: VERIFYING UNIT VOLTAGE WITH ELECTRICAL AND/OR SITE, EQUIPMENT PERFORMANCE, DIMENSIONS AND CLEARANCES.	
6. THOROUGHLY REVIEW AND COORDINATE WITH SITE CONDITIONS AND COMPLETE DRAWING SET PRIOR TO PRICING AND INSTALLATION.	
7. INSTALL ALL WORK IN CONFORMANCE WITH MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.	
8. DO NOT USE ANY NEW PERMANENT EQUIPMENT FOR TEMPORARY USE DURING CONSTRUCTION WITHOUT WRITTEN APPROVAL. WHERE SYSTEMS ARE USED AND ARE CONTAMINATED BY DUST OR DIRT, THE CONTRACTOR SHALL CLEAN IN A MANNER ACCEPTABLE TO THE CONSULTANT.	
9. MAINTAIN AS-BUILT DRAWINGS ON AN ON-GOING BASIS. DRAWINGS SHALL BE AVAILABLE FOR PERIODIC REVIEW BY THE CONSULTANT DURING CONSTRUCTION.	
10. ALL WORK SHALL COMPLY WITH APPLICABLE CODES.	
11. REMOVE ALL REDUNDANT EQUIPMENT, MATERIALS AND GARBAGE FROM SITE AND DISPOSE OF IN AN APPROVED MANNER. REDUNDANT EQUIPMENT AND MATERIALS SHALL NOT BE ABANDONED IN PLACE.	
12. ALL CUTTING AND CORING SHALL BE BY THIS CONTRACTOR. COORDINATE PATCHING WITH GENERAL CONTRACTOR. EXCAVATION AND BACKFILL FOR UNDERGROUND PLUMBING SHALL BE BY THIS CONTRACTOR. ALL SAW CUTTING AND RESTORATION OF CONCRETE FLOOR BY GENERAL CONTRACTOR. COORDINATE WITH SAME.	
13. COORDINATE ROOFING FOR DUCT AND PIPE ROOF PENETRATIONS WITH GENERAL CONTRACTOR. PROVIDE PITCH Pockets FOR ALL SERVICES THROUGH ROOF UNLESS SERVICES CAN BE FED THROUGH BASE OF EQUIPMENT.	
14. MAINTAIN REQUIRED ACCESS AND CLEARANCE TO ALL EQUIPMENT AND SYSTEMS AS REQUIRED BY CODE AND AS PER MANUFACTURER'S REQUIREMENTS.	
15. TAG ALL EQUIPMENT WITH LAMACOID NAMEPLATES. TAG ALL VALVES WITH LAMACOID NAMEPLATES OR BRASS TAGS ON CHAINS.	
16. LABEL ALL EXISTING AND NEW PIPING IN AREA OF WORK WITH SERVICE AND FLOW ARROWS EVERY 10'(3m) AND ON EITHER SIDE OF WALLS.	
17. CONTRACTOR SHALL ARRANGE FOR INSPECTIONS BY THE ENGINEER PRIOR TO CEILING AND WALLS BEING CLOSED IN. WHERE THIS HAS NOT BEEN ARRANGED IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE CEILING TILES OR ACCESS DOORS FOR INSPECTION AT THE DIRECTION OF THE CONSULTANT. THE CONTRACTOR SHALL ARRANGE FOR ROUGH IN INSPECTIONS BY THE ENGINEER PRIOR TO INSULATING OR CONCEALING ANYTHING. WHERE THIS HAS NOT BEEN ARRANGED IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXPOSE SERVICES FOR INSPECTION AT THE DIRECTION OF THE CONSULTANT.	
18. PERFORM TESTING AND START UP OF ALL SYSTEMS AS REQUIRED BY CODE, THE CONSULTANT, MANUFACTURER'S REQUIREMENTS, AND AUTHORITIES HAVING JURISDICTION. SUBMIT REPORTS TO THE CONSULTANT.	
19. INSTRUCT AND DEMONSTRATE TO THE OWNER ON PROPER OPERATION OF THE SYSTEM. RECORD AND SUBMIT A LOG DATED AND SIGNED BY ALL ATTENDEES.	
20. UPON COMPLETION OF THE PROJECT THE CONSULTANT WILL DO A FINAL REVIEW. UPON RECEIVING THE FINAL INSPECTION REPORT, THE CONTRACTOR MUST CORRECT AND SIGN BACK THE INSPECTION REPORT INDICATING ALL DEFICIENCIES ARE COMPLETED. A RE-INSPECTION WILL ONLY BE DONE ONCE THE CONSULTANT RECEIVES THIS IN WRITING. WHERE THE CONSULTANT PERFORMS THE RE-INSPECTION AND THE WORK IS IN COMPLIANCE THE CONTRACTOR IS RESPONSIBLE FOR REIMBURSING THE CONSULTANT FOR THE FIELD REVIEW. THE FEE FOR ADDITIONAL REVIEWS WILL BE AT THE CONSULTANT'S HOURLY RATES PLUS MILEAGE AND APPLICABLE TAXES TO BE PAID DIRECTLY TO THE CONSULTANT PRIOR TO PERFORMING THE NEXT FIELD REVIEW.	
21. PROVIDE ONE (1) YEAR WARRANTY ON ALL MATERIAL AND LABOUR FROM THE DATE OF SUBSTANTIAL COMPLETION.	
22. PROGRESS DRAWS SHALL INCLUDE MINIMUM \$1,500.00 FOR MANUALS AND AS-BUILT DRAWINGS. TOTAL AMOUNT SHALL REMAIN UNBILLED UNTIL MANUALS AND AS-BUILT DRAWINGS HAVE BEEN SUBMITTED AND APPROVED.	
23. PROVIDE ONE(1) ELECTRONIC COPY OF MAINTENANCE MANUALS ON USB AND BY WEB TRANSFER. MANUAL SHALL INCLUDE:	
- TABLE OF CONTENTS	
- CONTRACTOR INFORMATION	
- WARRANTY LETTER	
- SHOP DRAWINGS	
- O&Ms	
- INSPECTION & TEST REPORTS	
- AS-BUILT DRAWINGS	
AS-BUILT DRAWINGS SHALL INCLUDE COMPLETE MECHANICAL DRAWING SET WITH ANY CHANGES MARKED CLEARLY AND NEATLY IN COLOUR. AS-BUILTS SHALL BE STAMPED ACCORDINGLY BY THE CONTRACTOR (ALL DRAWINGS), DRAWINGS SHALL BE SUBMITTED IN FULL SIZE. SUBSTANTIAL COMPLETION WILL NOT BE AWARDED UNTIL THE MANUALS AND AS-BUILTS HAVE BEEN SUBMITTED TO THE CONSULTANT AND THE CONSULTANT HAS APPROVED.	

MECHANICAL ABBREVIATIONS	
EX	EXISTING TO REMAIN
AF	ABOVE FINISHED FLOOR
CTE	CONNECT TO EXISTING
CW	COMPLETE WITH
US	UNDERSIDE
SA	SUPPLY AIR
RA	RETURN AIR
E/A	EXHAUST AIR
TMV	THERMOSTATIC MIXING VALVE
TSP	TRAP SEAL PRIMER

HVAC LEGEND		
-----	DEMO	
-----	EXISTING	
-----	NEW	
	EXHAUST RECTANGULAR DUCTS (UP / DOWN)	
	EXHAUST ROUND DUCTS (UP / DOWN)	
	TRANSFER RECTANGULAR DUCTS (UP / DOWN)	
	TRANSFER ROUND DUCTS (UP / DOWN)	
	ACOUSTIC LINED DUCT	
	BACKDRAFT DAMPER	
	BALANCE DAMPER	
	FIRE DAMPER	
	EXHAUST CEILING GRILLE	
	TRANSFER CEILING GRILLE	
	TRANSFER SIDE WALL/DUCT GRILLE	
	EXHAUST SIDE WALL/DUCT GRILLE	
	ELBOW RISING	
	ELBOW DROPPING	
	BRANCH RISING FROM TEE	
	BRANCH DROPPING FROM TEE	
	EQUIPMENT SYMBOL	TYPE OF EQUIPMENT NUMBER DESIGNATION
	GRILLE SYMBOL	TYPE SIZE (mm) AIR FLOW (cfm)

PLUMBING LEGEND		
-----	NEW	
-----	EXISTING	
-----	DEMOLITION	
---SAN---	DEMO ABOVEGROUND SANITARY	
---DCW---	DOMESTIC COLD WATER (DCW)	
---DHW---	DOMESTIC HOT WATER (DHW)	
---DTW---	DOMESTIC TEMPERED WATER LINE (DTW)	
---SAN---	ABOVEGROUND SANITARY LINE	
---SAN---	UNDERGROUND SANITARY LINE	
---STM---	UNDERGROUND STORM LINE	
---V---	PLUMBING VENT	
	FLOOR DRAIN	
	STACK / FLOOR CLEANOUT	
	HOSEBIB (HB)	
	FIXTURE TAG	
	EQUIPMENT TAG	TYPE OF EQUIPMENT NUMBER DESIGNATION
	ELBOW RISING	
	ELBOW DROPPING	
	BRANCH RISING FROM TEE	
	BRANCH DROPPING FROM TEE	
	SHUT-OFF BALL VALVE	

DISCLAIMER
This drawing has been prepared for the use of CIMA+'s client and may not be used, reproduced or relied upon by third parties, except as agreed by CIMA+ and its client, as required by law or for use by governmental reviewing agencies. CIMA+ accepts no responsibility and denies any liability whatsoever, to any party that modifies this drawing without CIMA+'s express written consent. Do not scale this document. All measurements must be obtained from the stated dimensions.

NO.	DATE	ISSUED FOR PERMIT & TENDER	BRT
A	2026-03-16	ISSUED FOR PERMIT & TENDER	BRT

DATE	DESCRIPTION	BY
2026-03-16		



DESIGNED BY	APPROVED BY

CONSULTANT(S)

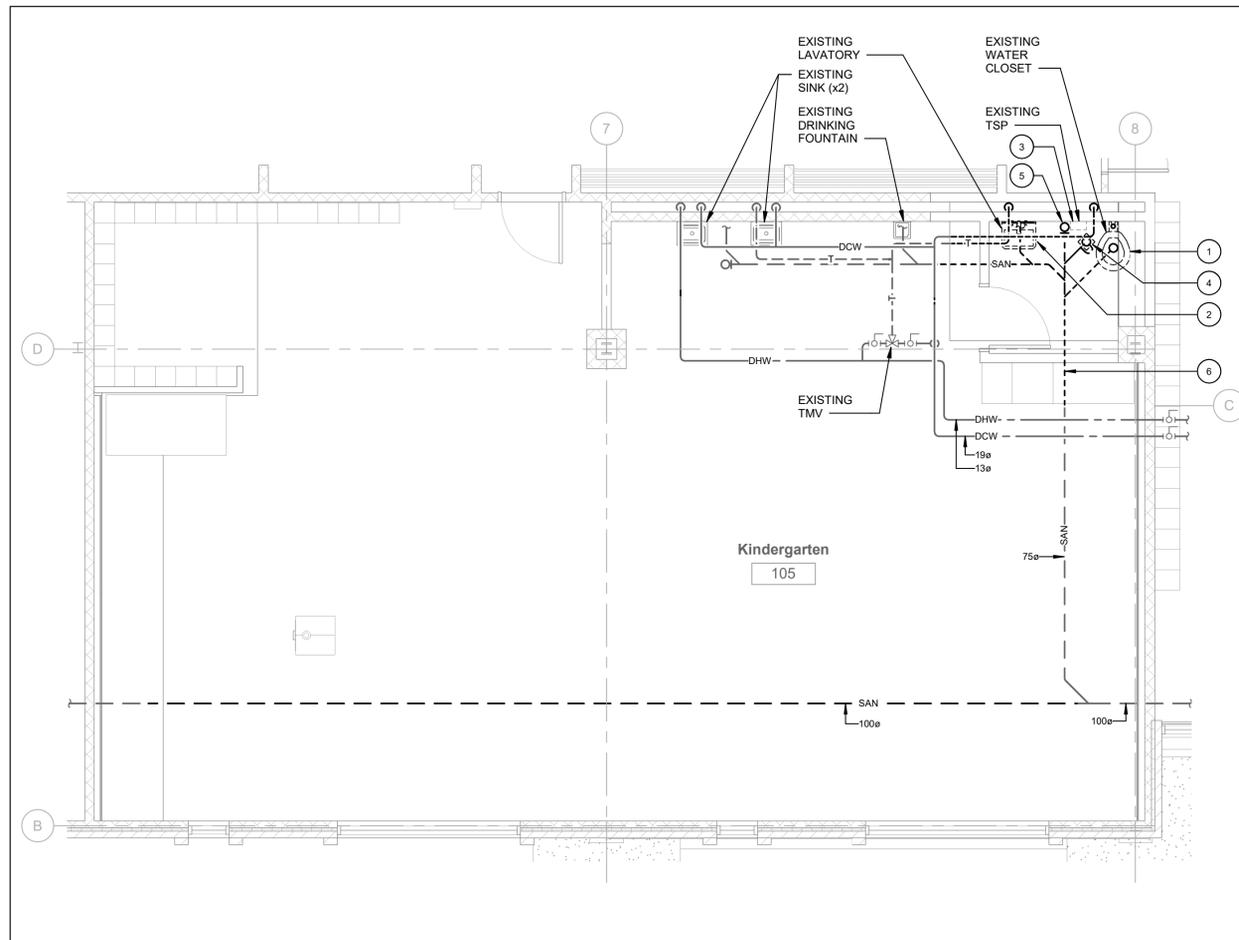
ENGINEER:
CIMA+
415 Baseline Road West
Bowmanville, ON L1C 5M2
T 905.697.4464 F 905.697.0443
www.cima.ca

CLIENT:
DDSB Waverly PS
Waverly PS 100 Waverly St S,
Oshawa, ON L1J 5V1

PROJECT NAME:
Waverly PS - Elevator Renovation

SHEET TITLE:
LEGEND & NOTES

DISCIPLINE: MECHANICAL	
DRAFTER: SR	SCALE: AS NOTED
DESIGNER: BRT	DATE: 2026-03-16
APPROVER: BRT	CHECKER: BRT
PROJECT No: A001199	DRAWING No: M-001



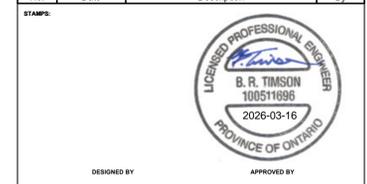
1 GROUND FLOOR - DEMOLITION PLUMBING LAYOUT
SCALE: 1 : 50

- GENERAL DEMOLITION NOTES**
1. THE CONTRACTOR SHALL ALLOW FOR DETAILED SITE INVESTIGATION TO CONFIRM ALL SERVICES PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
 2. SCOPE/CAMERA EXISTING UNDERGROUND SANITARY AND STORM PIPING THROUGH WORK AREA TO CONFIRM CONDITION OF PIPE, ROUTING AND INVERTS. SUBMIT REPORT AND VIDEO ON USB.
 3. SCAN FLOOR PRIOR TO FLOOR CUTS AND UNDERGROUND PIPING INSTALLATION.
 4. DISCONNECT AND REMOVE ALL REDUNDANT EQUIPMENT, FIXTURES, DUCTWORK, PIPING AND OTHER REDUNDANT SERVICES THROUGHOUT AREA OF WORK.
 5. ABANDON ANY REDUNDANT UNDERGROUND SERVICES AND CAP FLUSH WITH FLOOR. REMOVE REDUNDANT UNDERGROUND SERVICES WHERE REQUIRED TO SUIT NEW UNDERGROUND SERVICES.
 6. REMOVE OBSOLETE ABOVEGROUND SERVICES BACK TO SOURCE/MAINS AND CAP.
 7. ANY REDUNDANT RISERS CAN REMAIN WITHIN EXISTING WALLS (WHERE WALLS ARE SCHEDULED TO REMAIN) BUT SERVICES SHALL BE CUT AND CAPPED WITHIN WALL SO FACE OF WALL CAN BE PATCHED AND FINISHED SMOOTH.
 8. MAINTAIN VENT PIPING FOR REUSE WHERE POSSIBLE AND REMOVE ANY REDUNDANT.
 9. TEMPORARILY SEAL ALL OPEN DUCTS THROUGHOUT CONSTRUCTION TO PREVENT DUST AND DIRT FROM ENTERING THE SYSTEM. WHERE THE CONTRACTOR DOES NOT CONFORM THEY ARE RESPONSIBLE FOR CLEANING OF THE SYSTEMS IN A MANNER APPROVED BY THE CONSULTANT.

- DEMOLITION PLUMBING WORKING NOTES**
1. REMOVE EXISTING WATER CLOSET. REMOVE EXISTING DCW SERVICES BACK TO MAIN. REMOVE ALL SANITARY SERVICES.
 2. REMOVE EXISTING LAVATORY. REMOVE EXISTING DCW & DTW BACK TO MAIN. REMOVE ALL SANITARY SERVICES.
 3. REMOVE EXISTING TRAP SEAL PRIMER AND RETAIN FOR REINSTALLATION.
 4. REMOVE EXISTING FLOOR DRAIN AND TRAP.
 5. REMOVE EXISTING CLEANOUT.
 6. REMOVE ALL SANITARY SERVICES IN AREA OF ELEVATOR TO SUIT LOWERED FLOOR ELEVATION.

DISCLAIMER:
This drawing has been prepared for the use of CIMA+'s client and may not be used, reproduced or relied upon by third parties, except as agreed by CIMA+ and its client, as required by law or for use by governmental reviewing agencies. CIMA+ accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without CIMA+'s express written consent. Do not scale this document. All measurements must be obtained from the stated dimensions.

No.	Date	Description	By
A	2026-03-16	ISSUED FOR PERMIT & TENDER	BRT



CONSULTANT(S):

ENGINEER:

CIMA+
415 Baseline Road West
Bowmanville, ON L1C 5M2
T 905.697.4464 F 905.697.0443
www.cima.ca

CLIENT:

DDSB Waverly PS
Waverly PS 100 Waverly St S,
Oshawa, ON L1J 5V1

PROJECT NAME:

Waverly PS - Elevator Renovation

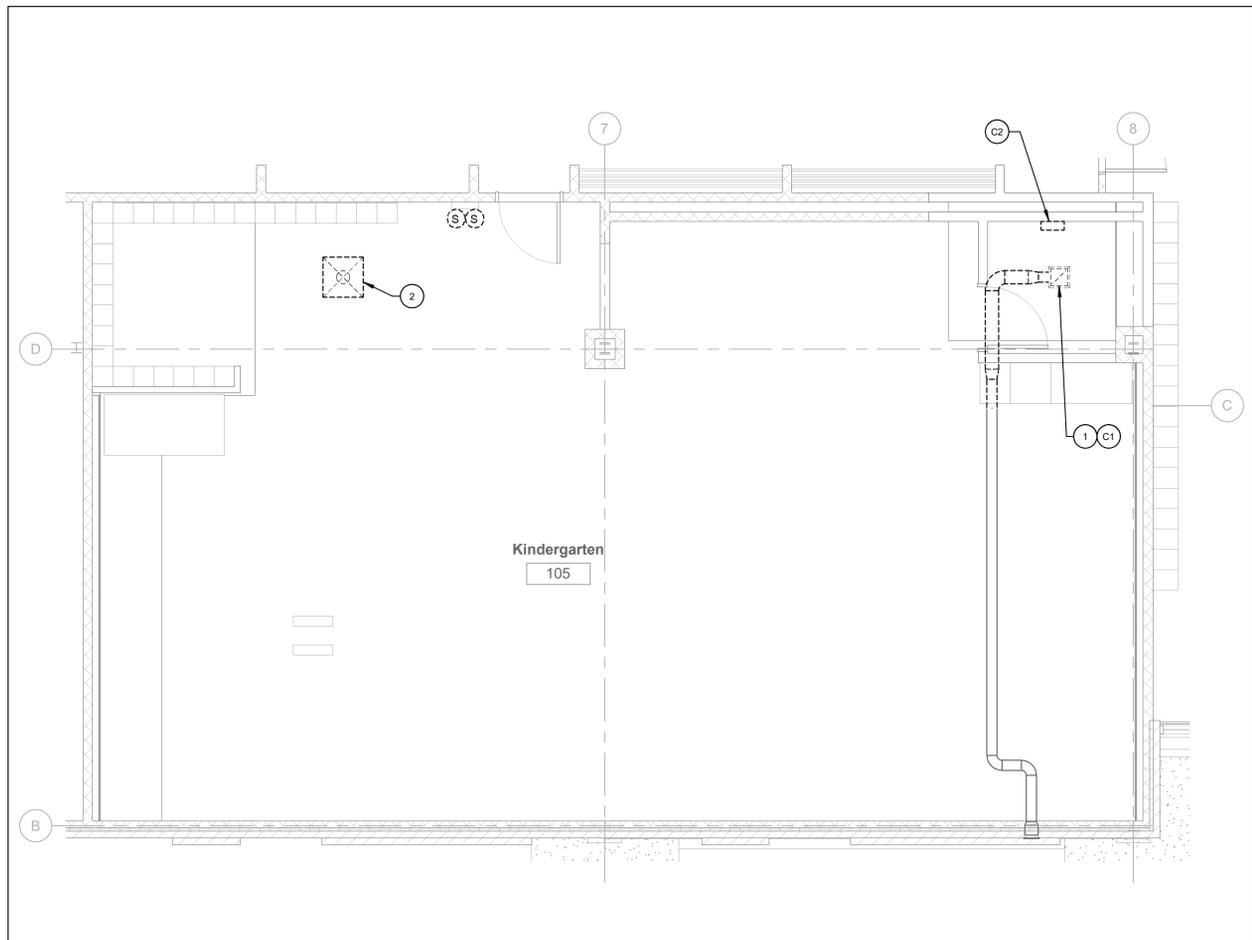
SHEET TITLE:

GROUND FLOOR - DEMOLITION PLUMBING LAYOUT

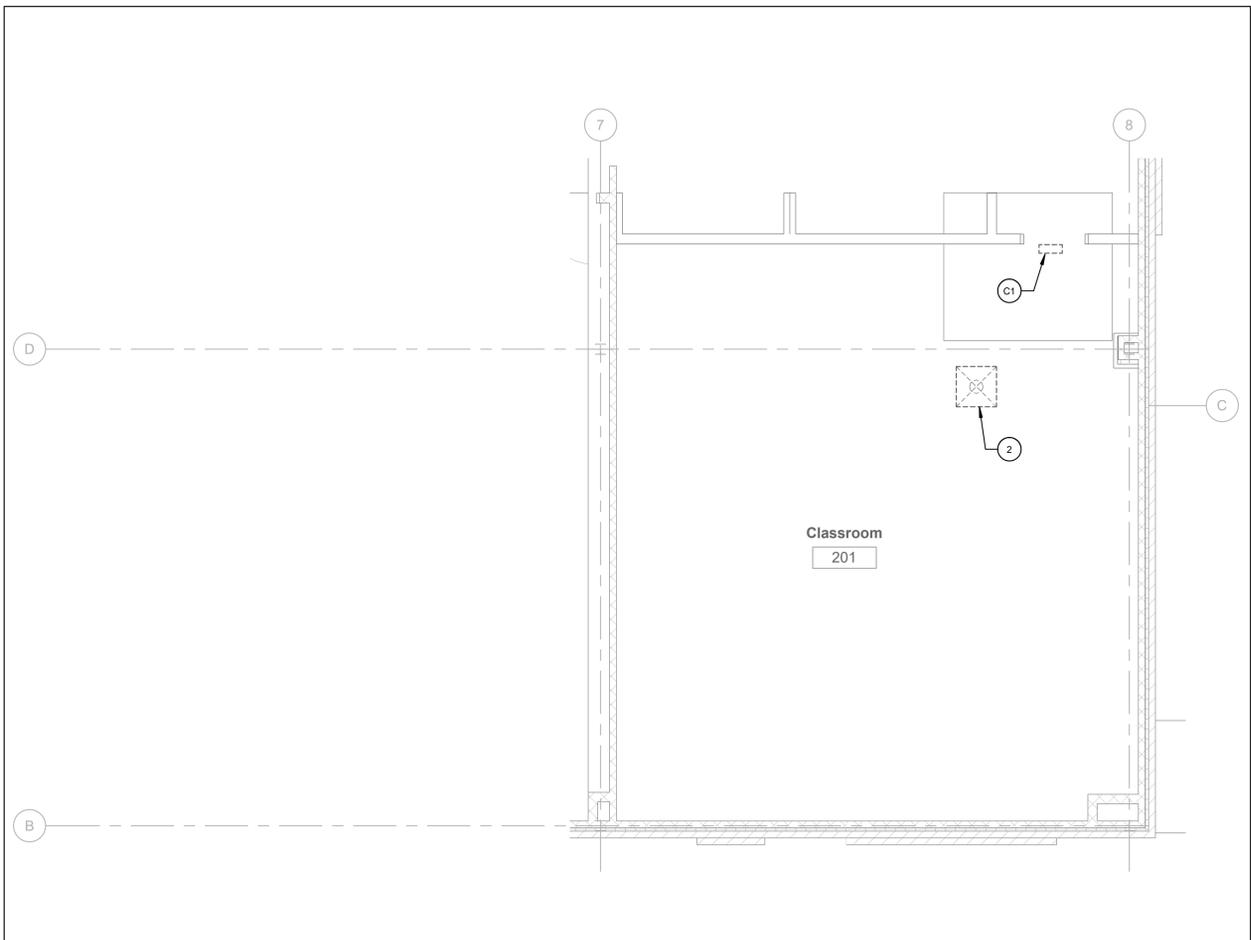
DISCIPLINE:

MECHANICAL

DRAFTER: SR	SCALE: AS NOTED
DESIGNER: BRT	DATE: 2026-03-16
APPROVER: BRT	CHECKER: BRT
PROJECT No.: A0001199	DRAWING No.: MD101
SHEET No.: 2 of 5	



1 GROUND FLOOR - DEMOLITION HVAC LAYOUT
SCALE: 1 : 50



2 SECOND FLOOR - DEMOLITION HVAC LAYOUT
SCALE: 1 : 50

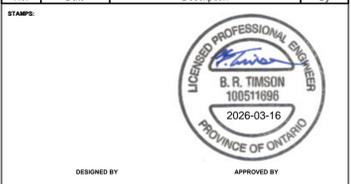
- GENERAL DEMOLITION NOTES:**
1. THE CONTRACTOR SHALL ALLOW FOR DETAILED SITE INVESTIGATION TO CONFIRM ALL SERVICES PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
 2. SCOPE/CAMERA EXISTING UNDERGROUND SANITARY AND STORM PIPING THROUGH WORK AREA TO CONFIRM CONDITION OF PIPE, ROUTING AND INVERTS. SUBMIT REPORT AND VIDEO ON USB.
 3. SCAN FLOOR PRIOR TO FLOOR CUTS AND UNDERGROUND PIPING INSTALLATION.
 4. DISCONNECT AND REMOVE ALL REDUNDANT EQUIPMENT, FIXTURES, DUCTWORK, PIPING AND OTHER REDUNDANT SERVICES THROUGHOUT AREA OF WORK.
 5. ABANDON ANY REDUNDANT UNDERGROUND SERVICES AND CAP FLUSH WITH FLOOR. REMOVE REDUNDANT UNDERGROUND SERVICES WHERE REQUIRED TO SUIT NEW UNDERGROUND SERVICES.
 6. REMOVE OBSOLETE ABOVEGROUND SERVICES BACK TO SOURCE/MAINS AND CAP.
 7. ANY REDUNDANT RISERS CAN REMAIN WITHIN EXISTING WALLS (WHERE WALLS ARE SCHEDULED TO REMAIN) BUT SERVICES SHALL BE CUT AND CAPPED WITHIN WALL SO FACE OF WALL CAN BE PATCHED AND FINISHED SMOOTH.
 8. MAINTAIN VENT PIPING FOR REUSE WHERE POSSIBLE AND REMOVE ANY REDUNDANT.
 9. TEMPORARILY SEAL ALL OPEN DUCTS THROUGHOUT CONSTRUCTION TO PREVENT DUST AND DIRT FROM ENTERING THE SYSTEM. WHERE THE CONTRACTOR DOES NOT CONFORM THEY ARE RESPONSIBLE FOR CLEANING OF THE SYSTEMS IN A MANNER APPROVED BY THE CONSULTANT.

- DEMOLITION CONTROLS WORKING NOTES**
- C1** DISCONNECT CONTROLS AND CONTROL WIRING FOR EXISTING EXHAUST FAN. REMOVE BACK OUTSIDE OF NEW ELEVATOR SHAFT LOCATION AND REMOVE ANY REDUNDANT CONTROLS OR CONTROL WIRING.
 - C2** REMOVE EXISTING BAS CONTROLLER AND RETAIN FOR REINSTALLATION. REMOVE OR MODIFY EXISTING FLEXIBLE DUCT AND ROUND DUCT CONNECTION AS REQUIRED TO SUIT NEW LOCATION.

- DEMOLITION MECHANICAL WORKING NOTES**
- 1** REMOVE EXISTING EXHAUST FAN AND ANY ASSOCIATED DAMPERS AND ACCESSORIES. CUT BACK E/A TO SUIT NEW ELEVATOR SHAFT.
 - 2** REMOVE EXISTING DIFFUSER AND RETAIN FOR REINSTALLATION. REMOVE OR MODIFY EXISTING FLEXIBLE DUCT AND ROUND DUCT CONNECTION AS REQUIRED TO SUIT NEW LOCATION.

DISCLAIMER:
This drawing has been prepared for the use of CIMA+'s client and may not be used, reproduced or relied upon by third parties, except as agreed by CIMA+ and its client, as required by law or for use by governmental reviewing agencies. CIMA+ accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without CIMA+'s express written consent. Do not scale this document. All measurements must be obtained from the stated dimensions.

No.	Date	Description	By
A	2026-03-16	ISSUED FOR PERMIT & TENDER	BRT



CONSULTANT(S):

ENGINEER:

CIMA+
415 Baseline Road West
Bowmanville, ON L1C 5M2
T 905.697.4464 F 905.697.0443
www.cima.ca

CLIENT:

DDSB Waverly PS
Waverly PS 100 Waverly St S,
Oshawa, ON L1J 5V1

PROJECT NAME:

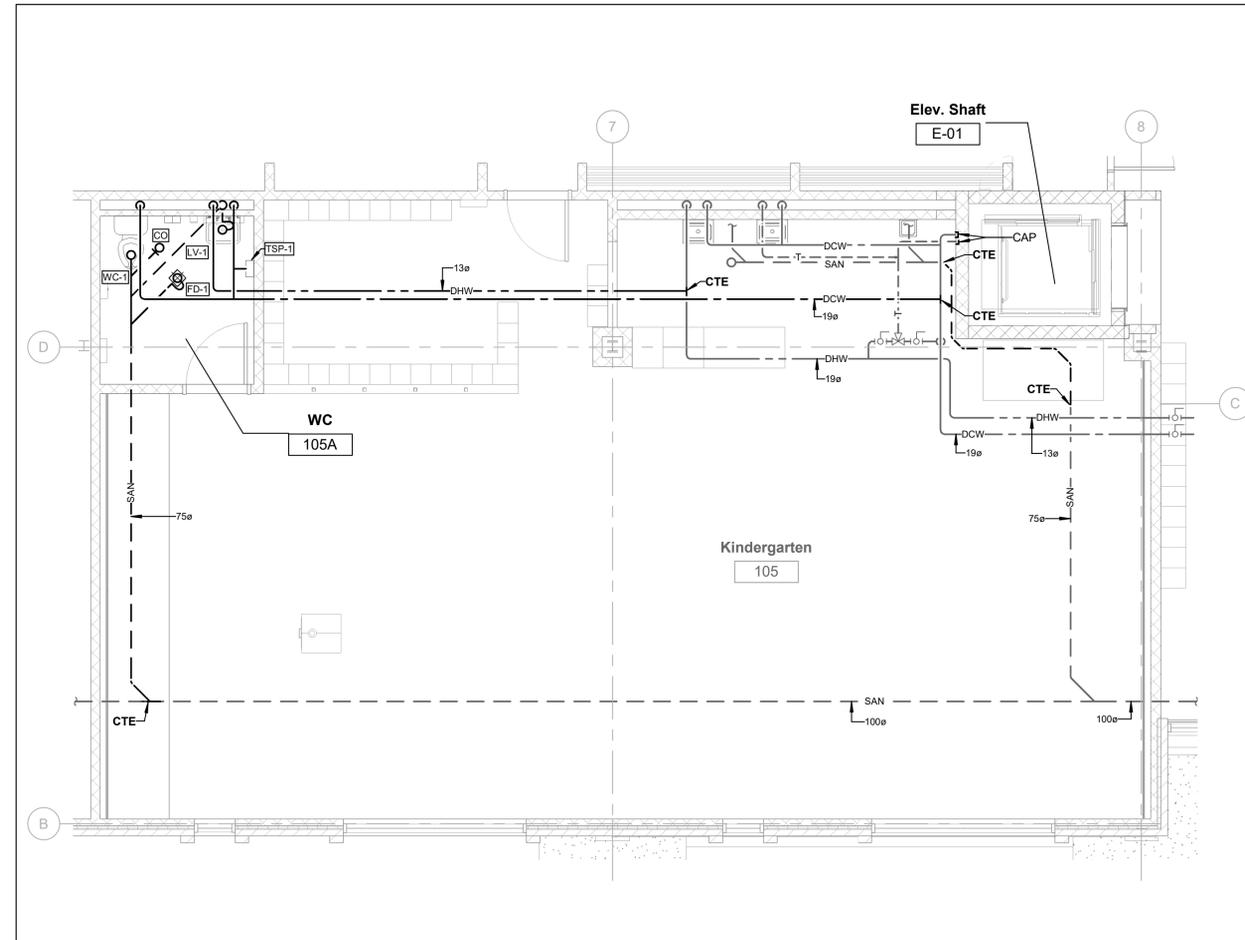
Waverly PS - Elevator Renovation

SHEET TITLE:

GROUND & SECOND FLOOR -
DEMOLITION HVAC LAYOUTS

DISCIPLINE: MECHANICAL

DRAFTER: SR	SCALE: AS NOTED
DESIGNER: BRT	DATE: 2026-03-16
APPROVER: BRT	CHECKER: BRT
PROJECT No.: A0001199	DRAWING No.: MD102
SHEET No.: 3 of 5	



1 GROUND FLOOR - NEW PLUMBING LAYOUT
SCALE: 1 : 50

TYPICAL PLUMBING PIPE SIZING					
	DCW	DHW	DTW	SAN.	VENT
WC (TANK TYPE)	13ø	--	--	75ø	38ø
LAVATORY	--	--	13ø	32ø	32ø
SINK	13ø	13ø	--	38ø	32ø
75ø FD	--	--	--	75ø	38ø

PROVIDE ISOLATION VALVES AT ALL FIXTURES

GENERAL NEW MECHANICAL NOTES:

- THE CONTRACTOR SHALL INVESTIGATE AND CONFIRM SERVICES ON SITE PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO CONSULTANT.
- SCOPE/CAMERA EXISTING UNDERGROUND SANITARY AND STORM PIPING THROUGH WORK AREA TO CONFIRM CONDITION OF PIPE, ROUTING AND INVERTS. SUBMIT REPORT AND VIDEO ON USB.
- SCAN FLOOR PRIOR TO FLOOR CUTS AND UNDERGROUND PIPING INSTALLATION.
- REFER TO ARCHITECTURAL DRAWINGS AND/OR GENERAL CONTRACTOR FOR CEILING HEIGHTS TO ENSURE ALL SERVICES ARE CONCEALED WITHIN AVAILABLE CEILING SPACE. RUN ALL NEW SERVICES UP IN JOIST SPACE AND BETWEEN LIGHTS AS NOTED OR AS REQUIRED.
- COORDINATE ALL SERVICES WITH ALL TRADES PRIOR TO INSTALLATION.
- COVER ALL FLOOR DRAINS DURING CONSTRUCTION.
- PROVIDE NEW PLUMBING VENTS THROUGH ALL FLOORS AND THROUGH ROOF AS REQUIRED OR TIE INTO EXISTING WHERE POSSIBLE.
- INSULATE AND LABEL ALL NEW PIPING. PROVIDE PVC JACKET ON ALL EXPOSED PIPING.
- FIRE STOP ALL NEW PIPING THROUGH RATED WALLS IN AREA OF WORK.
- SUPPLY ACCESS DOORS FOR MECHANICAL DEVICES ABOVE DRYWALL CEILING AND TURN OVER TO GENERAL CONTRACTOR FOR INSTALLATION.
- ELECTRICAL CONTRACTOR TO PROVIDE BACK BOX, CONDUIT AND PULL STRING FOR WALL SENSORS IN NEW WALLS. COORDINATE WITH ELECTRICAL.
- LABEL CEILING GRID AT ACCESS TO MECHANICAL EQUIPMENT AND DEVICES WITH LAMACOID NAMEPLATE.
- THE CONTRACTOR SHALL FLUSH, SCOPE, AND PROVIDE VIDEO INSPECTION OF THE SANITARY SYSTEM AFTER COMPLETION OF WORK AND PRIOR TO SUBSTANTIAL COMPLETION. FLUSHING, SCOPING AND VIDEO SHALL INCLUDE AREA OF WORK TO WHERE IT TIES INTO THE MAIN. SUBMIT REPORT AND VIDEO ON USB.
- TEMPORARILY SEAL ALL OPEN DUCTS THROUGHOUT CONSTRUCTION TO PREVENT DUST AND DIRT FROM ENTERING THE SYSTEM. WHERE THE CONTRACTOR DOES NOT CONFORM THEY ARE RESPONSIBLE FOR CLEANING OF THE SYSTEMS IN A MANNER APPROVED BY THE CONSULTANT.

NEW PLUMBING WORKING NOTES

- 19ø DCW DOWN IN CHASE WALL TO NEW WATER CLOSET.
- 13ø DCW & DHW DOWN IN CHASE WALL TO NEW LAVATORY AND FIXTURE CARRIER. RUN 13ø DCW & DHW TO NEW TMV MOUNTED TIGHT BENEATH LAVATORY AND RUN 13ø DTW TO NEW FAUCET.
- REINSTALL EXISTING TRAP SEAL PRIMER. SUPPLY ACCESS DOOR AS REQUIRED AND TURN OVER TO THE GENERAL CONTRACTOR FOR INSTALLATION.
- REROUTE SANITARY SERVICES AROUND NEW ELEVATOR SHAFT AS REQUIRED TO RECONNECT. PROVIDE CLEANOUTS AS REQUIRED BY CODE.

DISCLAIMER:
This drawing has been prepared for the use of CIMA+'s client and may not be used, reproduced or relied upon by third parties, except as agreed by CIMA+ and its client, as required by law or for use by governmental reviewing agencies. CIMA+ accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without CIMA+'s express written consent. Do not scale this document. All measurements must be obtained from the stated dimensions.

No.	Date	Description	By
A	2026-03-16	ISSUED FOR PERMIT & TENDER	BRT



CONSULTANT(S):

ENGINEER:
CIMA+
415 Baseline Road West
Bowmanville, ON L1C 5M2
T 905.697.4464 F 905.697.0443
www.cima.ca

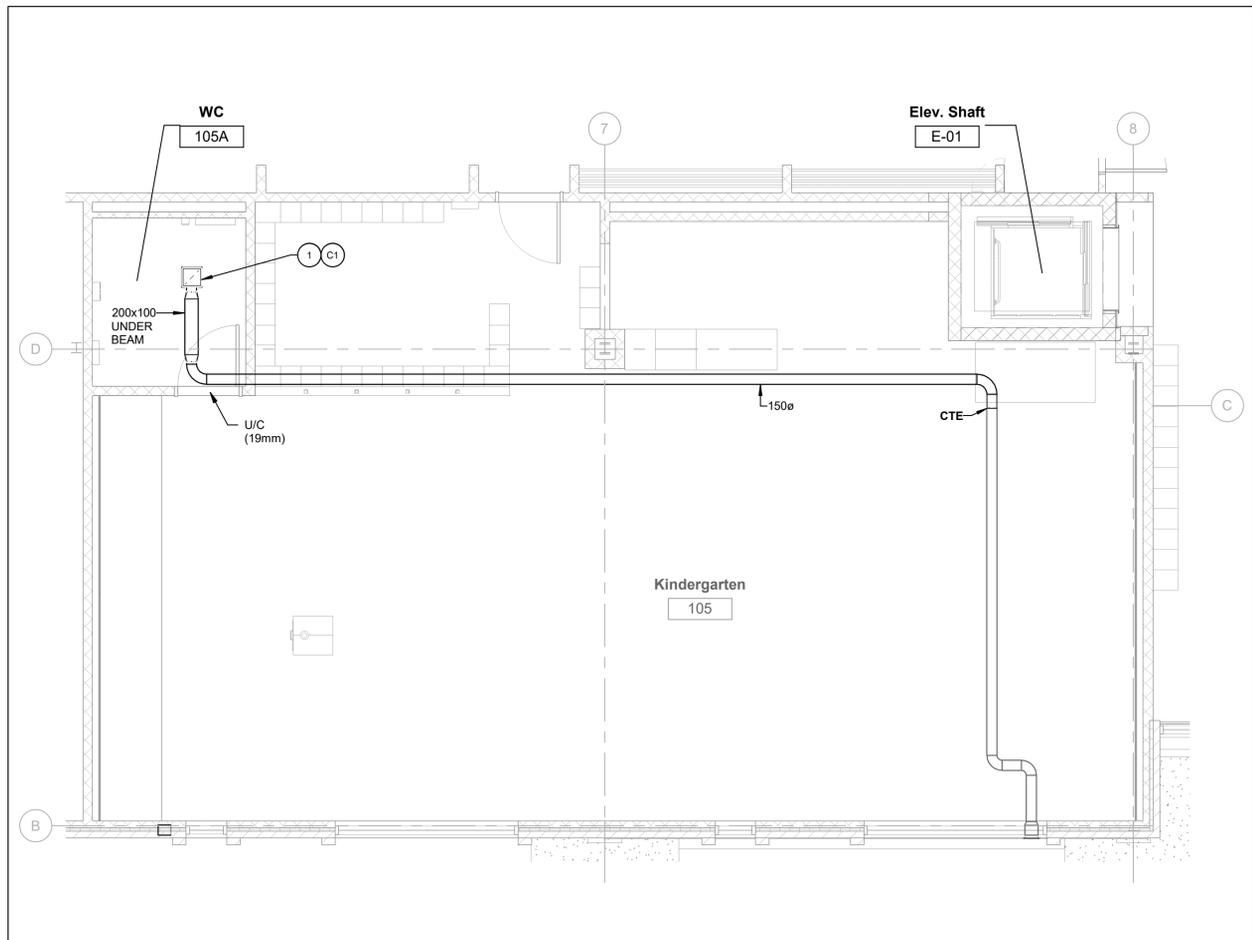
CLIENT:
DDSB Waverly PS
Waverly PS 100 Waverly St S,
Oshawa, ON L1J 5V1

PROJECT NAME:
Waverly PS - Elevator Renovation

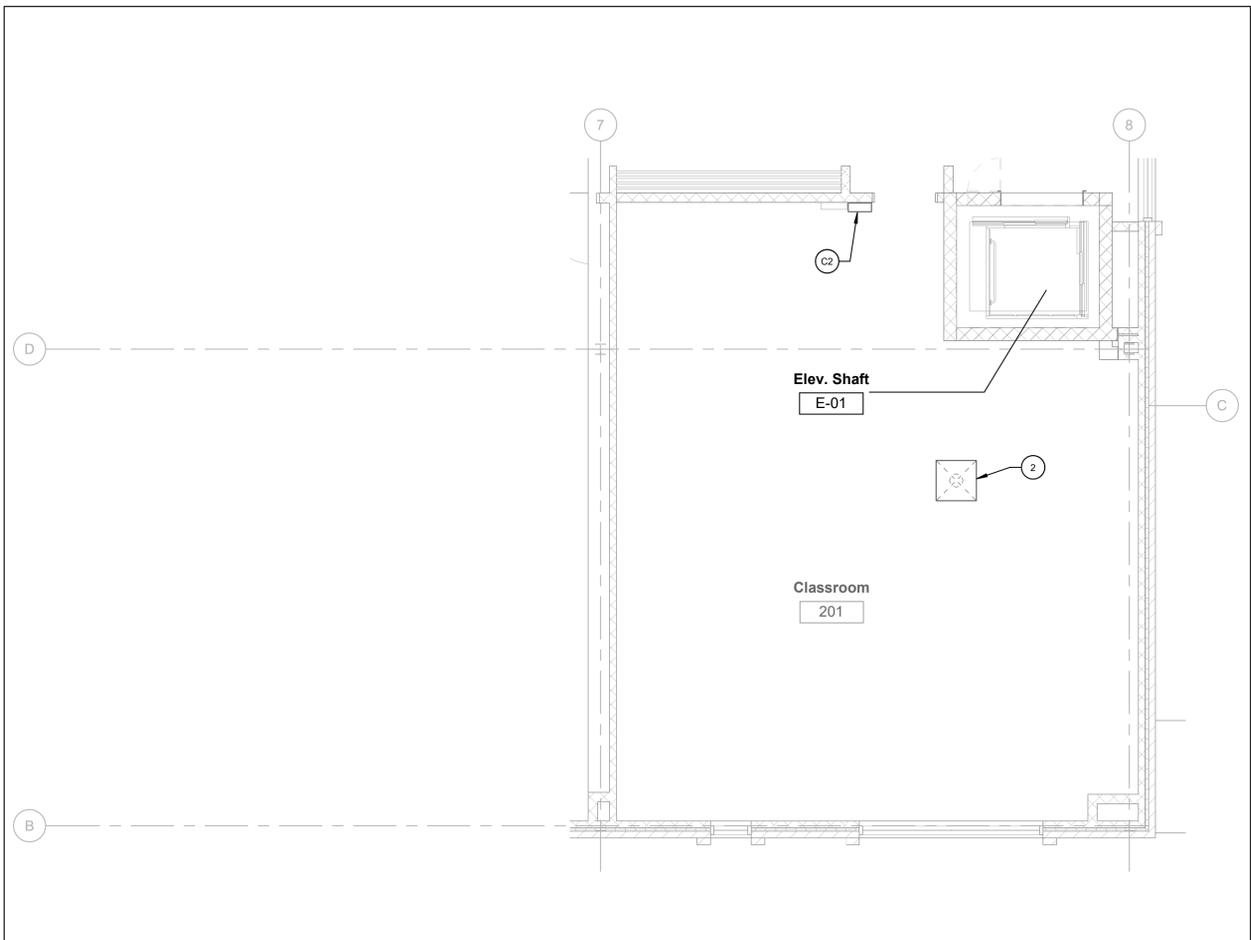
SHEET TITLE:
GROUND FLOOR - NEW PLUMBING LAYOUT

DISCIPLINE:	
MECHANICAL	
DRAFTER:	SCALE:
SR	AS NOTED
DESIGNER:	DATE:
BRT	2026-03-16
APPROVER:	CHECKER:
BRT	BRT
PROJECT No.:	DRAWING No.:
A0001199	M-101
SHEET No.:	
4 of 5	

TITLEBLOCK 24x36 VERT ENG
 PRINT DATE: 2026-03-16 3:15:47 PM
 PATH: A:\work\Draws\DDSB\Accessibility Projects\A001199-Waverly PS\M23.rvt



1 GROUND FLOOR - NEW HVAC LAYOUT
 SCALE: 1 : 50



2 SECOND FLOOR - NEW HVAC LAYOUT
 SCALE: 1 : 50

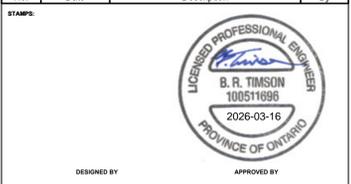
- GENERAL NEW MECHANICAL NOTES:**
1. THE CONTRACTOR SHALL INVESTIGATE AND CONFIRM SERVICES ON SITE PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO CONSULTANT.
 2. SCOPE/CAMERA EXISTING UNDERGROUND SANITARY AND STORM PIPING THROUGH WORK AREA TO CONFIRM CONDITION OF PIPE, ROUTING AND INVERTS. SUBMIT REPORT AND VIDEO ON USB.
 3. SCAN FLOOR PRIOR TO FLOOR CUTS AND UNDERGROUND PIPING INSTALLATION.
 4. REFER TO ARCHITECTURAL DRAWINGS AND/OR GENERAL CONTRACTOR FOR CEILING HEIGHTS TO ENSURE ALL SERVICES ARE CONCEALED WITHIN AVAILABLE CEILING SPACE. RUN ALL NEW SERVICES UP IN JOIST SPACE AND BETWEEN LIGHTS AS NOTED OR AS REQUIRED.
 5. COORDINATE ALL SERVICES WITH ALL TRADES PRIOR TO INSTALLATION.
 6. COVER ALL FLOOR DRAINS DURING CONSTRUCTION.
 7. PROVIDE NEW PLUMBING VENTS THROUGH ALL FLOORS AND THROUGH ROOF AS REQUIRED OR TIE INTO EXISTING WHERE POSSIBLE.
 8. INSULATE AND LABEL ALL NEW PIPING. PROVIDE PVC JACKET ON ALL EXPOSED PIPING.
 9. FIRE STOP ALL NEW PIPING THROUGH RATED WALLS IN AREA OF WORK.
 10. SUPPLY ACCESS DOORS FOR MECHANICAL DEVICES ABOVE DRYWALL CEILING AND TURN OVER TO GENERAL CONTRACTOR FOR INSTALLATION.
 11. ELECTRICAL CONTRACTOR TO PROVIDE BACK BOX, CONDUIT AND PULL STRING FOR WALL SENSORS IN NEW WALLS. COORDINATE WITH ELECTRICAL.
 12. LABEL CEILING GRID AT ACCESS TO MECHANICAL EQUIPMENT AND DEVICES WITH LAMACOID NAMEPLATE.
 13. THE CONTRACTOR SHALL FLUSH, SCOPE, AND PROVIDE VIDEO INSPECTION OF THE SANITARY SYSTEM AFTER COMPLETION OF WORK AND PRIOR TO SUBSTANTIAL COMPLETION. FLUSHING, SCOPING AND VIDEO SHALL INCLUDE AREA OF WORK TO WHERE IT TIES INTO THE MAIN. SUBMIT REPORT AND VIDEO ON USB.
 14. TEMPORARILY SEAL ALL OPEN DUCTS THROUGHOUT CONSTRUCTION TO PREVENT DUST AND DIRT FROM ENTERING THE SYSTEM. WHERE THE CONTRACTOR DOES NOT CONFORM THEY ARE RESPONSIBLE FOR CLEANING OF THE SYSTEMS IN A MANNER APPROVED BY THE CONSULTANT.

- NEW CONTROLS WORKING NOTES**
- C1 REINSTALL CONTROLS AND CONTROL WIRING FOR EXHAUST FAN. EXTEND CONTROL WIRING AS REQUIRED TO SUIT NEW LOCATION. FAN TO RUN 'IN HAND' UNTIL CONTROLS ARE COMPLETED.
 - C2 REINSTALL EXISTING BAS ROOM CONTROLLER. EXTEND ALL WIRING AS REQUIRED TO SUIT NEW LOCATION.

- NEW MECHANICAL WORKING NOTES**
- 1 PROVIDE NEW EXHAUST FAN C/W NEW DAMPERS AND ACCESSORIES. PROVIDE NEW HANGERS WITH SPRING ISOLATORS AS REQUIRED.
 - 2 REINSTALL EXISTING DIFFUSER. PROVIDE NEW INSULATED FLEXIBLE DUCTWORK AS REQUIRED TO SUIT REVISED LOCATION.

DISCLAIMER:
 This drawing has been prepared for the use of CIMA+'s client and may not be used, reproduced or relied upon by third parties, except as agreed by CIMA+ and its client, as required by law or for use by governmental reviewing agencies. CIMA+ accepts no responsibility, and denies any liability whatsoever, to any party that modifies this drawing without CIMA+'s express written consent. Do not scale this document. All measurements must be obtained from the stated dimensions.

No.	Date	Description	By
A	2026-03-16	ISSUED FOR PERMIT & TENDER	BRT



CONSULTANT(S):

ENGINEER:

 415 Baseline Road West
 Bowmanville, ON L1C 5M2
 T 905.697.4464 F 905.697.0443
 www.cima.ca

CLIENT:
 DDSB Waverly PS
 Waverly PS 100 Waverly St S,
 Oshawa, ON L1J 5V1

PROJECT NAME:
 Waverly PS - Elevator Renovation

SHEET TITLE:
 GROUND & SECOND FLOOR - NEW HVAC LAYOUTS

DISCIPLINE: MECHANICAL

DRAFTER: SR	SCALE: AS NOTED
DESIGNER: BRT	DATE: 2026-03-16
APPROVER: BRT	CHECKER: BRT
PROJECT No.: A001199	DRAWING No.: M-102
SHEET No.: 5 of 5	