

Halton District School Board

Addendum No. 3

RFT 25-055 - Washroom Renovation - Central Public School

The following, issued by the Halton District School Board (HDSB) May 14, 2025, shall be incorporated in the specifications and shall form part of the proposal document for the above.

REVISED AND ATTACHED

- 1. Bidders must use the attached Revised Form of Tender which now includes a place to indicate their proposed HDSB Pre-qualified Asbestos Subcontractor.
- 2. Addendum # 3 Central Public School Washroom and Storage Room Renovations as prepared by BJC Architects & Associates Inc. and drawings (17 pages)



REVISED FORM OF TENDER

Project: Washroom Renovation - Central Public School

Project Reference #: RFT 25-055

From (Bidder):		
	mpany Name	
Street Address	_	
City, Province and postal code		
Phone Number	Email Address	
To (Owner): Halton District School Board 2050 Guelph Line Burlington, Ontario L7P 5A8		

We, the undersigned, having examined the Tender Documents for the above-named Project, including Addenda, hereby offer to perform the Work in accordance with the Tender Documents, for the Stipulated Price of:

Base Bid Amount	\$
Cash Allowance - Signage	\$ 5,000
Cash Allowance - Testing & Inspection	\$ 8,000
Contingency	\$ 90,000
Total Base Bid Amount (Excluding HST)	\$

Proposed Subcontractor

Abatement Contractor	
Electrical Contractor	
Mechanical Contractor	

RFT 25-055 Washroom Renovation - Central PS REVISED Form of Tender Continued Page 2 of 2

We, the undersigned, declare that:

- a. We agree to perform the Work within the required completion time specified in the Tender Documents,
- b. We have arrived at the Tender without collusion with any competitor,
- c. This Tender is open to acceptance by the Owner for a period of 90 days from the date of Tender Closing,
- d. All Form of Tender supplements called for by the Tender Documents from an integral part of this Tender.

Signature:				
· ·	LEGAL NAME OF BIDDER			DATE
AUTHORIZEI	D SIGNATURE OF BIDDER	&	TITLE	PRINTED NAME
I have the au	uthority to bind the Bidder			

RECEIPT OF ADDENDA MUST BE ACKNOWLEDGED ON THE FORM OF QUOTATION.

PAGE 3 OF 20 END OF ADDENDUM 3

ADDENDUM NO.03

for

CENTRAL PUBLIC SCHOOL WASHROOM AND STORAGE ROOM RENOVATIONS

638 BRANT STREET BURLINGTON, ONTARIO

for

HALTON DISTRICT SCHOOL BOARD 2050 GUELPH LINE BURLINGTON, ONTARIO

PREPARED BY

BJC architects + assocs. inc. R.R. #2, 8016 HIGHWAY #7 GUELPH, ONTARIO N1H 6H8

PROJECT NO. 24-102

May 14, 2025

May 14, 2025

Central Public School Washroom and Storage Room Renovations 638 Brant Street Burlington, Ontario BJC project No. 24-102

ADDENDUM No. 3

The following addition, deletions and amendments are hereby made a part of the Specifications and Drawings for the above referenced Contract.

ARCHITECTURAL DRAWINGS

- Item 1.0 Drawing AD-110 'Boys and Girls Washroom Renovation Demolition Plans'
 - 1.1 Refer to attached revised Architectural Drawing AD-110(03) to replace previously issued drawing AD-110(02).
 - 1.2 Existing water fountain outside of Boys Washroom is to be removed complete. Refer to plumbing drawings.
 - 1.3 GC is to patch, repair and make good existing wall areas that are affected by removal of existing water fountain and piping on this wall.
- Item 2.0 Drawing A-110 'Boys and Girls Washroom Renovation Plans'
 - 1.1 Refer to attached revised Architectural Drawing A-110(03) to replace previously issued drawing A-110(02).
 - 1.2 GC is to patch, repair and make good existing wall finish upon installation of new stainless steel water fountain/bottle filling station outside of Girls Washroom.
 - 1.3 Mounting height of fountain to be confirmed with Board prior to installation.
 - 1.4 Caulking is to be provided around new water fountain.
- <u>Item 3.0</u> <u>Drawing A-301</u> 'Wall Sections'
 - 3.1 Refer to the attached revised Drawing A-301(03) to replace the previously issued drawings A-301.
 - 3.2 GC to ensure new window in Universal washroom accommodates the new fan. Refer to Mechanical Drawings for sizing and details. GC is to coordinate location and sizing of opening for fan.

Item 4.0 Coat Hooks

- 4.1 Heavy-duty collapsable coat hooks are to be installed in Barrier-free stalls in Boys and Girls Washrooms.
- 4.2 Final location and mounting height of coat hooks to be confirmed with Board prior to installation.
- 4.3 Coat hooks are to be a wall-mounted vandal resistant hook: Bobrick B-983.

MECHANICAL DRAWINGS

<u>Item 1.0</u> <u>Mechanical Drawings</u>

1.1 Refer to updated Mechanical drawings M-01 to M-07 attached to replace previously issued drawings M-01 to M-07.

Item 2.0 New Floor Drains

2.1 All new floor drains are to be installed in locations indicated on Architectural Drawing A-110 'Boys and Girls Washroom Renovation Plans'.

Item 3.0 Drinking Fountains

3.1 Remove the existing drinking fountain and associated drain, vent and CW pipes located outside of Bous Washroom. Install new wash fountain as noted on the drawings. Connect to new drain, CW and vent pipes. Provide power supply for the new fountain as required by the manufacturer from the nearest available panel. The fountain to be water bottle filling station manufactured by Elkay model LZSG8WSLK, ADA approved, filtered water, refrigerated.

Item 4.0 HW Heaters

- 4.1 All the new HW heaters to be installed at high level.
- 4.2 Contractor to ensure that when removing any pneumatic controls, the tubes are maintained, cleaned and the existing system remains operational

ELECTRICAL DRAWINGS

Item 1.0 Electrical Drawings

1.1 Refer to updated Mechanical drawings E-01 to M-03 attached to replace previously issued drawings E-01 to E-03.

Item 2.0 Hand Dryers

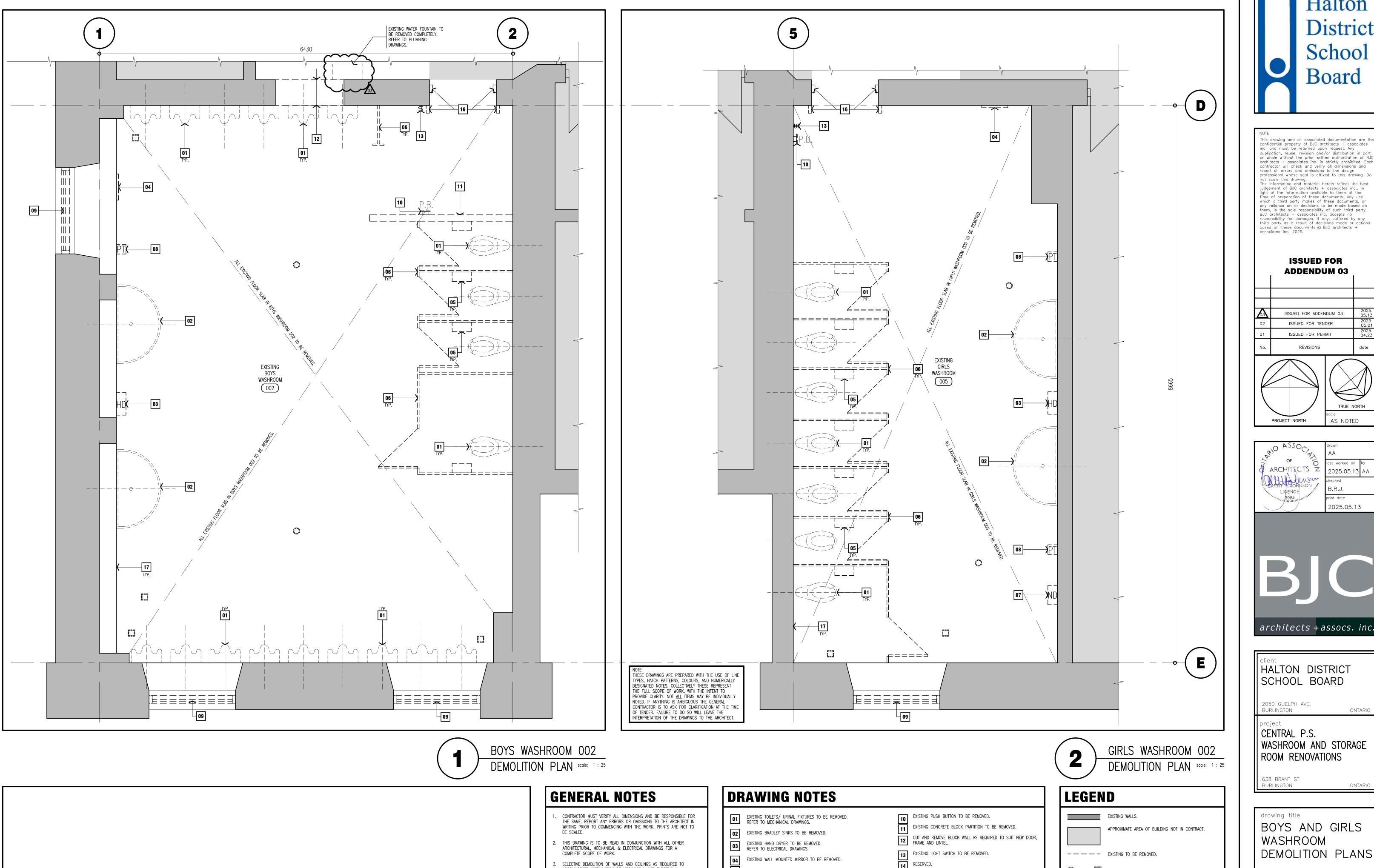
1.1 For clarification, hand dryers are to be installed in locations indicated on Architectural Drawing A-110 'Boys and Girls Washroom Renovation Plans'.

<u>Item 2.0</u> <u>Automatic Door Operators</u>

2.1 Electrical Question: During the site visit, we have observed that there are two existing Automatic Door Operators, one inside and one outside the Girls washroom. Are we removing and disposing of both completely or installing new ones? Neither demolition drawings or the new construction plan show whether we need new Automatic door Operators or not. Please clarify.

Response: Existing Automatic Door Operators are to be removed and turned over to the Board.

END OF ADDENDUM NO. 3



ACCOMMODATE INSTALLATION OF MECHANICAL AND ELECTRICAL

ROUGH-INS AND EQUIPMENT.

EXISTING TOILET PAPER DISPENSERS TO BE REMOVED.

EXISTING PAPER TOWEL DISPENSERS TO BE REMOVED.

EXISTING SANITARY PRODUCT DISPENSER TO BE REMOVED.

EXISTING SPANDREL PANEL INSERT AND WINDOW FRAME TO BE

EXISTING TOILET PARTITIONS TO BE REMOVED.

RESERVED.

16 EXISTING DOOR FRAME TO BE REMOVED.

17 REMOVE EXISTING WALL TILE AND PLASTER BEHIND TILE.

District School Board

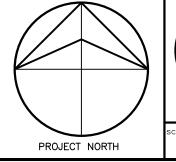
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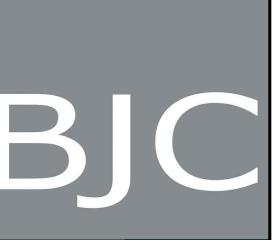
ISSUED FOR ADDENDUM 03

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2025.05.13



HALTON DISTRICT SCHOOL BOARD

2050 GUELPH AVE. BURLINGTON

CENTRAL P.S.

WASHROOM AND STORAGE ROOM RENOVATIONS

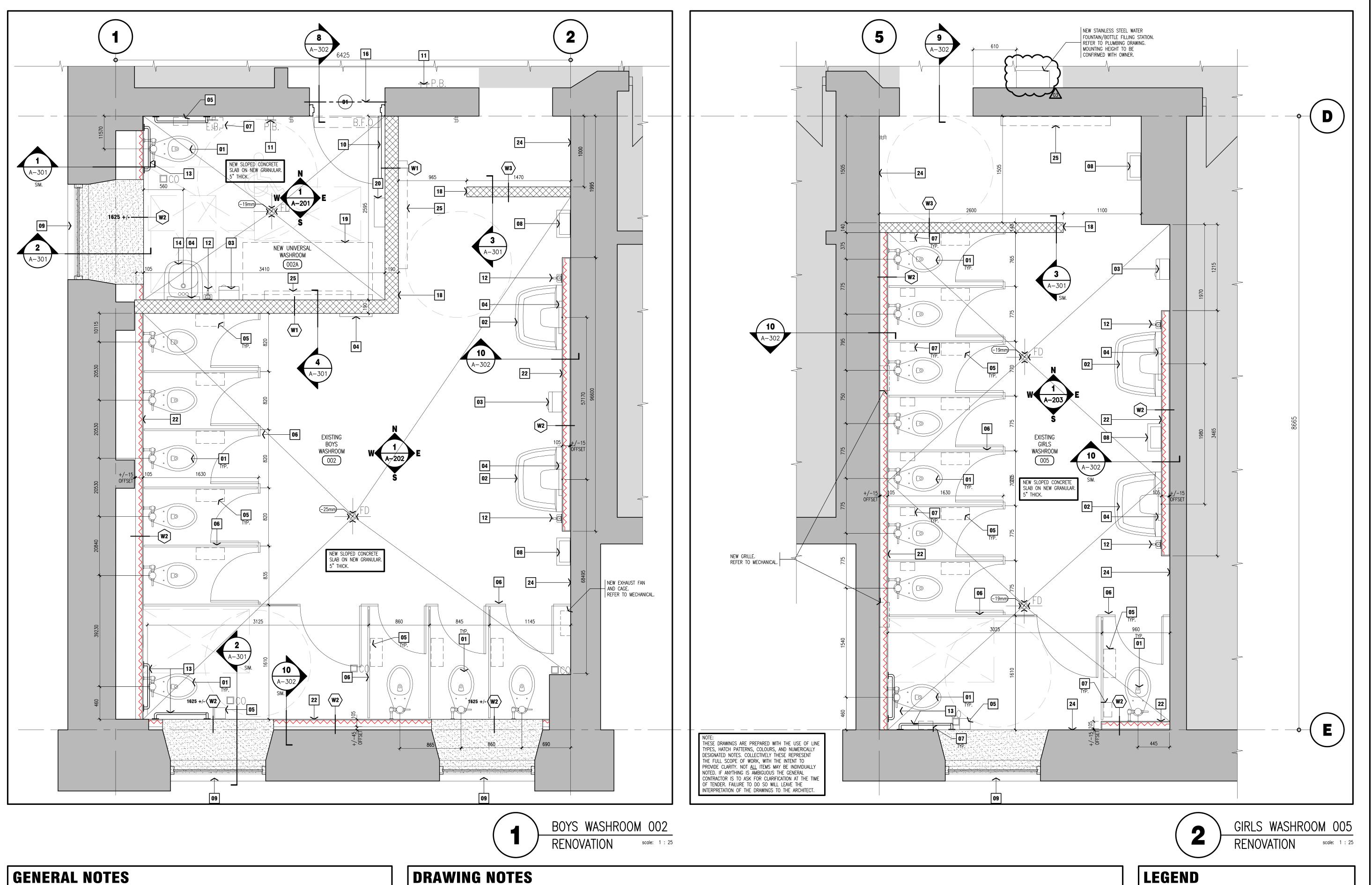
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638 BRANT ST BURLINGTON

drawing title BOYS AND GIRLS WASHROOM DEMOLITION PLANS

ent reference number 24-102

AD11003



- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR THE SAME.

 REPORT ANY ERRORS OR OMISSIONS TO THE ARCHITECT IN WRITING PRIOR TO

 8. ALL WALLS ARE TO BE FULL HEIGHT TO u/s OF DECK ABOVE, UNLESS OTHERWISE IDENTIFIED. COMMENCING WITH THE WORK. PRINTS ARE NOT TO BE SCALED.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS FOR A COMPLETE SCOPE OF WORK.
- VERIFY HEIGHTS OF ALL WASHROOM ACCESSORIES, SINKS, & HAND DRYERS WITH SCHOOL BOARD PROJECT REPRESENTATIVE PRIOR TO INSTALLATION.
- PAINTED FINISHES SHALL EXTEND BEHIND ALL WALL MOUNTED ACCESSORIES.
- REFER TO ARCHITECTURAL DRAWING A-001 FOR WALL TAG DESCRIPTIONS.
- 6. AT EXTERIOR & INTERIOR FIRE RATED WALL(S), ENSURE ALL PENETRATIONS & GAPS ARE FIRE STOPPED/ SEALED, WITH AN APPROVED FIRE STOP MATERIAL TO MAINTAIN DESIGNATED RATING OF DESIGN AS REQUIRED.
- ALL WET WALL(S) SHALL BE COORDINATED WITH PLUMBING CONTRACTOR.
- 9. GENERAL CONTRACTOR IS TO SUBMIT ENGINEER STAMPED SHOP DRAWING FOR

THAT IS TO REMAIN.

- LINTELS AND ANY REQUIRED SHORING FOR REVIEW AND APPROVAL. 10. ENSURE ALL SURFACES ARE CLEAN AND FREE OF DEBRIS PRIOR TO PAINTING.
- 11. PATCH, REPAIR AND MAKE GOOD EXISTING PLASTER ABOVE WALL TILE. 12. ALL NEW WALLS ARE TO BE BUILT TO ACCOMMODATE EXISTING PIPING ON CEILING
- - NEW TOILET FIXTURE. REFER TO MECHANICAL DRAWINGS. NEW BRADLEY SINK. REFER TO MECHANICAL DRAWINGS.
 - NEW HAND DRYER. REFER TO ELECTRICAL DRAWINGS.
 - NEW WALL MOUNTED MIRROR. COORDINATE FINAL LOCATION WITH BOARD PROJECT MANAGER.
 - NEW TOILET PAPER DISPENSERS, SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.
 - NEW PRIVACY SCREEN STYLE TOILET PARTITIONS. NEW SANITARY PRODUCT DISPOSAL, SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.
- NEW PAPER TOWEL DISPENSER AND WASTE RECEPTACLE, SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.

- NEW HOLLOW METAL DOOR AND FRAME C/W LINTEL ABOVE. REFER TO STRUCTURAL DRAWINGS.
- 11 NEW POWER DOOR OPERATOR AND PUSH BUTTON CONTROLS.
- NEW SOAP DISPENSER, SUPPLIED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR. NEW BARRIER FREE GRAB BARS, SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.
- NEW BARRIER FREE WALL MOUNTED SINK. REFER TO MECHANICAL DRAWINGS.
- NEW HEAVY DUTY WALL MOUNTED SHELF SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR. NEW ALUMINUM WINDOW FRAME, WINDOW SILL, AND INSULATED GLAZING UNIT C/W FROSTED GLASS FINISH SIZED TO SUIT EXISTING WINDOW OPENING. PROVIDE NEW SEALANT BOTH SIDES OF WINDOW FRAME.

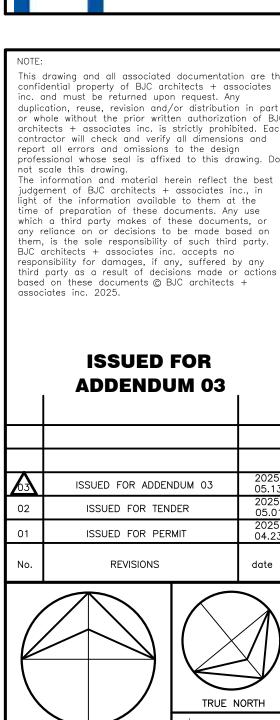
 15 RESERVED.

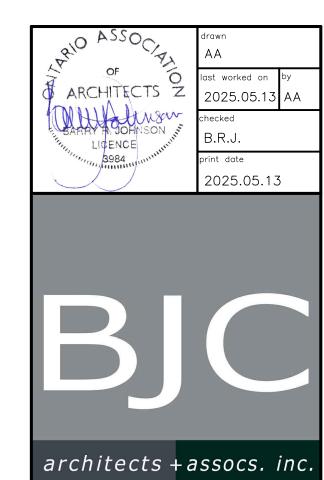
 NEW STEEL LINTEL. GC TO SUBMIT ENGINEERED STAMPED SHOP DRAWINGS. 75 x 125 x 5 ANGLES INSTALLED BACK TO BACK. 17 RESERVED.
 - **23** RESERVED.
 - PAINTED CONCRETE BLOCK WALL. PAINT FINISH ABOVE TILE. COLOUR TO BE CONFIRMED BY OWNER. 19 NEW ADULT CHANGE TABLE, SUPPLIED & INSTALLED BY GENERAL CONTRACTOR.
- PAINTED GYPSUM BOARD. PAINT FINISH ABOVE TILE. COLOUR TO BE CONFIRMED BY OWNER.

PAINTED PLASTER WALL. PAINT FINISH ABOVE TILE. COLOUR TO BE CONFIRMED BY OWNER. 25 NEW HIGH WALL MOUNTED RADIATOR. REFER TO MECHANICAL DRAWINGS.

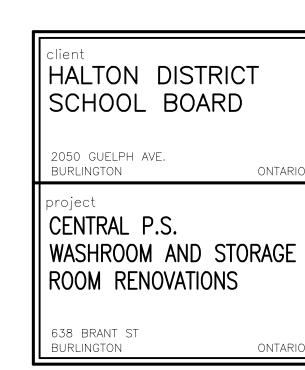
EXISTING WALLS. NEW DOOR & FRAME. NEW CONCRETE BLOCK WALL. FD CO NEW FLOOR DRAIN / CLEAN-OUT. NEW FURRED-OUT WALL. REFER TO MECHANICAL DRAWINGS. WOOD BLOCKING APPROXIMATE AREA OF BUILDING NOT IN CONTRACT. PAINTED GYPSUM BOARD. COLOUR TO BE CONFIRMED BY OWNER.



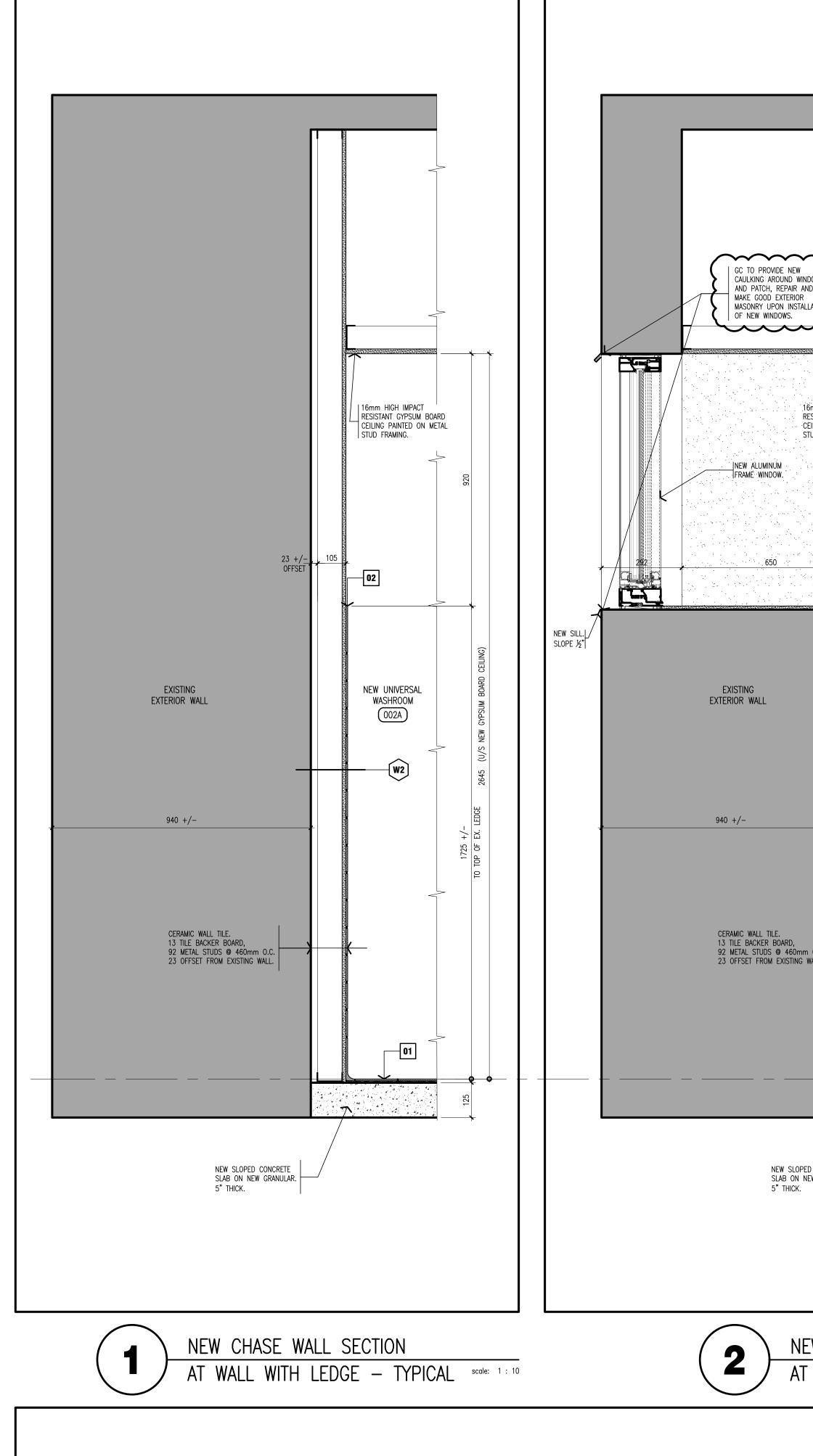


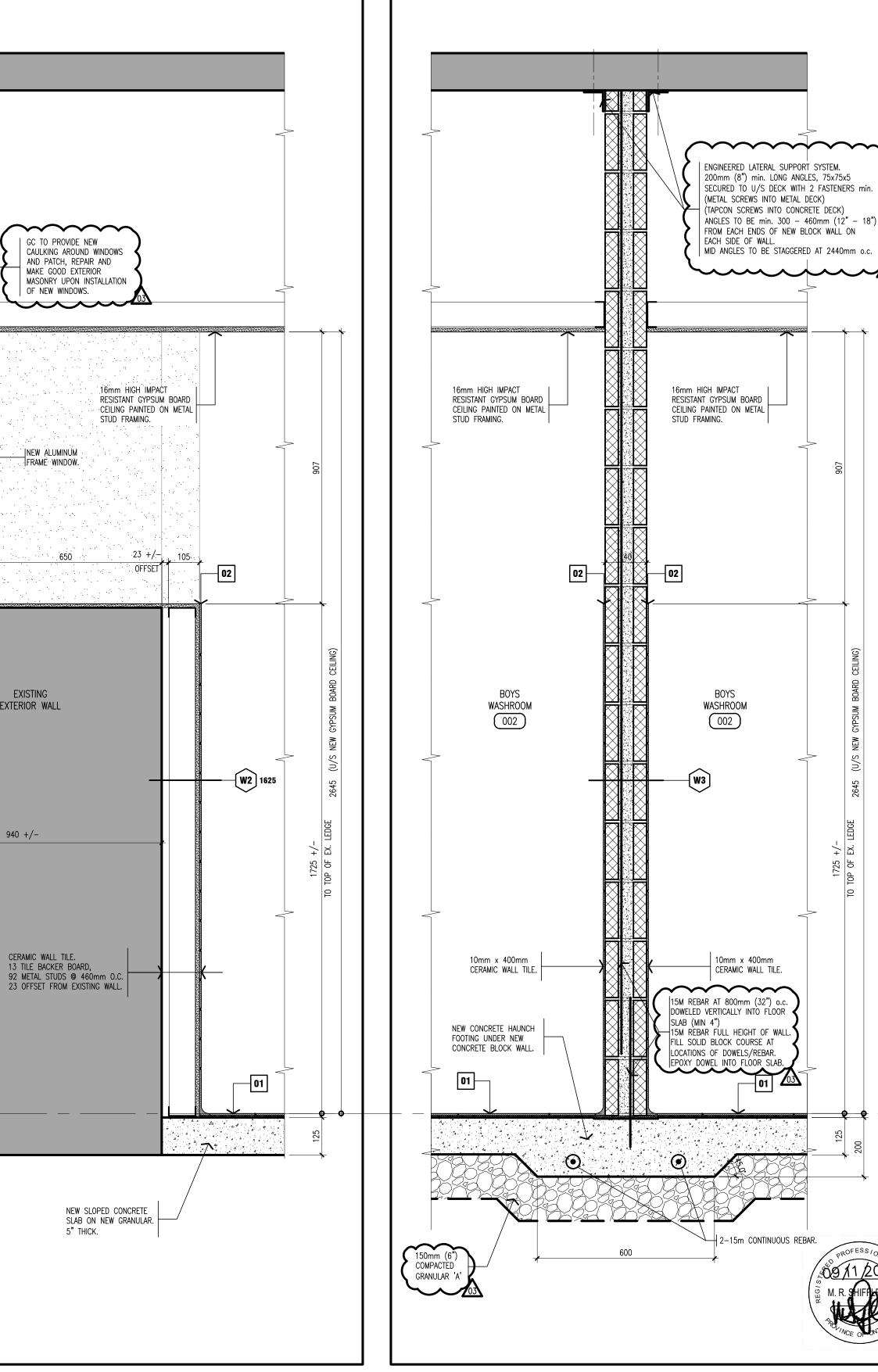


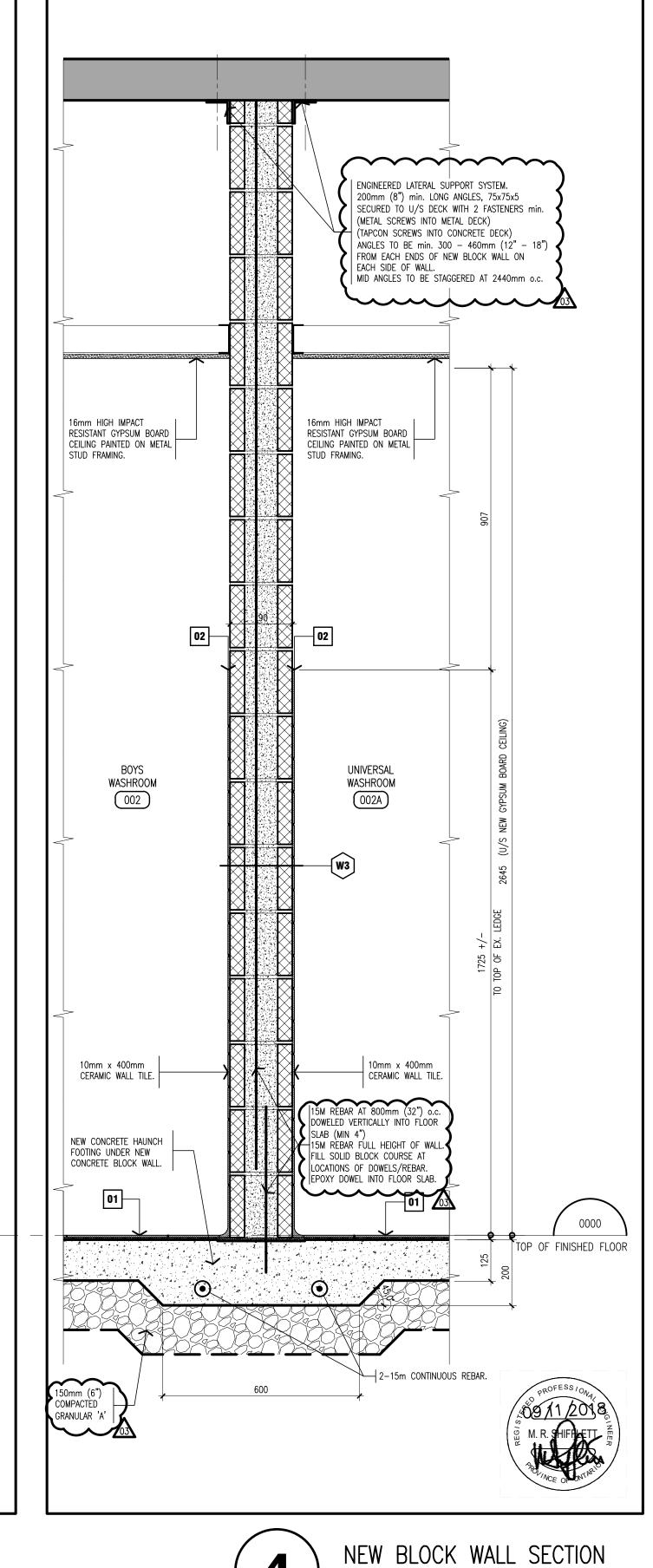
PROJECT NORTH











NEW CHASE WALL SECTION

NEW BLOCK WALL PARTITION

GENERAL NOTES

- PARTIAL DEMOLITION OF CONCRETE BLOCK WALL WILL BE REQUIRED TO ACCOMMODATE INSTALLATION OF NEW LINTELS AND DOOR.
- ENSURE ALL SURFACES ARE CLEAN AND FREE OF DEBRIS PRIOR TO PAINTING. EXPOSED CORNERS OF EXISTING CONCRETE BLOCK TO BE GROUND SMOOTH. TYPICAL FOR ALL WALLS AND NEW CUT DOORWAYS.
- TERRAZZO FLOORING AT AREA OF NEW BLOCK INFILL IS TO BE PATCHED AND REPAIRED AS NEEDED.
- . ALL NEW WALLS ARE TO BE BUILT TO ACCOMMODATE EXISTING PIPING ON CEILING THAT IS TO REMAIN.



DRAWING NOTES NEW CERAMIC TILE FLOORING ON MORTAR BASE WITH COVE WALL BASE. REFER TO SPECIFICATION SECTION 09 30 00.

02 EDGE TRIM IN BRUSHED NICKEL ANODIZED FINISH.

725 +/-OF EX.



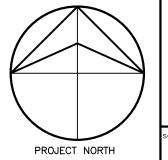
UNIVERSAL WASHROOM

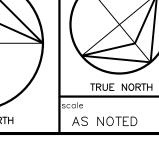


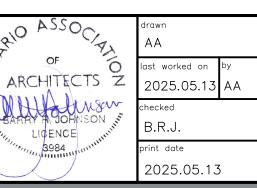
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ISSUED FOR ADDENDUM 03

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HALTON DISTRICT SCHOOL BOARD

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2050 GUELPH AVE. BURLINGTON

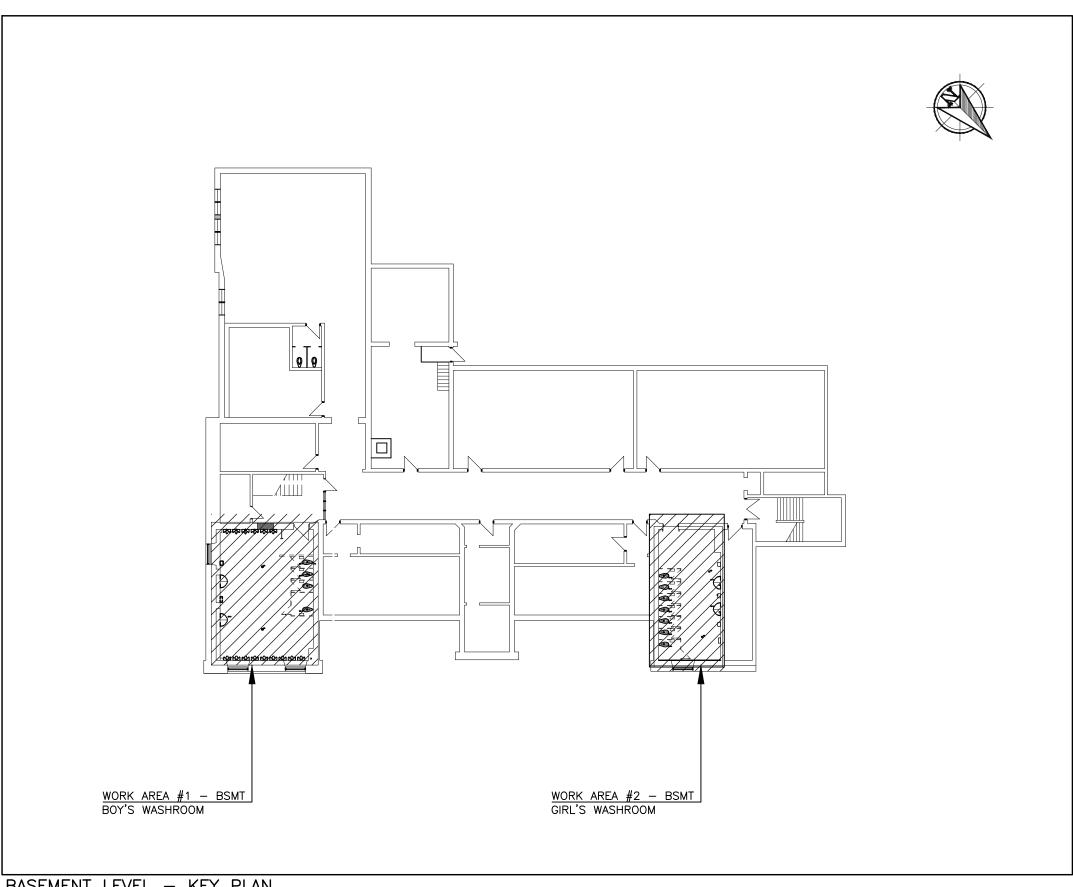
CENTRAL P.S. WASHROOM AND STORAGE ROOM RENOVATIONS

638 BRANT ST BURLINGTON

drawing title WALL SECTIONS

24-102

A - 30103



BASEMENT LEVEL — KEY PLAN SCALE: N.T.S.

		PLUMBING FIXTURE SERVICES SCHEDULE					
REF.	FIXTURE NAME	TYPE	LOCATION	нот	COLD	DRAIN	VENT
WC-1	WATER CLOSET	FLOOR MOUNTED, FLUSH VALVE	REFER TO PLANS	_	25	100	50
WC-2	WATER CLOSET	FLOOR MOUNTED, FLUSH VALVE, BARRIER FREE	REFER TO PLANS	_	25	100	50
WF-1	WASH FOUNTAIN	FLOOR MOUNTED, THREE USERS	REFER TO PLANS	25	25	50	40
DF-1	DRAIN FOUNTAIN	WALL HUNG	REFER TO PLANS	_	12	32	32
L-1	LAVATORY	WALL HUNG, 100MM CENTRE FAUCET, BARRIER FREE	REFER TO PLANS	12	12	40	40

	SCHEDULE OF GRILLES & DIFFUSERS							
TYPE	SERVICE	MANUFACTURER	MODEL	VOLUME CONTROL	FINISH	REMARKS		
Α	EXHAUST	E.H. PRICE	500	YES	B12	STEEL LOUVERED GRILLE		

					SCHEDULE	OF RADIA	TORS					
	TAG	MANUFACTURER	MODEL	HEATING OUTPUT	ELEMENT LENGTH	FLOW	SUPPLY	RETURN	EQUIPMENT SIZE (HxW, MM)	REMARKS	\sim	
L				KW [MBH]	MM [FT]	L/S [GPM]	°C [°F]	*C [*F]	` ' '			
	RAD-1	RUNTEL	R2F-7	4.06 [13.8]	1,830 [6]	0.09 [1.4]	77 [170]	65 [150]	587.4x127	WALL MOUNTED	AT HIGH LEVEL	
	RAD-2	RUNTEL	R2F-7	4.06 [13.8]	1,830 [6]	0.09 [1.4]	77 [170]	65 [150]	587.4x127	WALL MOUNTED	AT HIGH LEVEL	
	RAD-2	RUNTEL	R2F-7	2.71 [9.2]	1,220 [4]	0.06 [0.9]	77 [170]	65 [150]	587.4x127	WALL MOUNTED	AT HIGH LEVEL	

SCHEDULE OF EXHAUST FANS								
TAG	MANUFACTURER	MODEL	LOCATION	AIR FLOW (CFM)	SP Pa [IN.WG.]	AMPS FLA	POWER V	REMARKS
EF-1	GREENHECK	SE1-12-426-VG	GIRLS WASHROOM	450	0.3	2.85	115	-
EF-2	GREENHECK	SE1-12-426-VG	GIRLS WASHROOM	450	0.3	2.85	115	_
EF-3	GREENHECK	SE1-10-428-P	GIRLS WASHROOM	200	0.3	-	115	-

	SYMBOLS LIST
SYMBOL	DESCRIPTION
⊱—HWS——	HEATING WATER SUPPLY
⊱HWR	HEATING WATER RETURN
⊱— 	UNION
<u></u> ★ AV	MANUAL AIR VENT
ØFD	FLOOR DRAIN
⊱	AUTOMATIC CONTROL VALVE - TWO WAY
├	MIXING OR DIVERTER VALVE (3-WAY)
≻	ISOLATION VALVE
├	BALANCING VALVE
⊱−N →	CHECK VALVE
۲ ۰۰۰ اکا	STRAINER — OVER 50mm PROVIDE WITH VALVED FLUSHING DRAIN
₹	PRESSURE REDUCING VALVE
⊱—SAN—	EXPOSED SANITARY DRAIN
}{	SANITARY VENT
 2	DOMESTIC COLD WATER SUPPLY
~	DOMESTIC HOT WATER SUPPLY
℃	PLUMBING TRAP
[PIPE CAP
}-XX- }	DEMOLITION
:-≎ ≀	PIPE DROP
€ 1	PIPE TURNING DOWN
○	PIPE TURNING UP
♥ PG	PRESSURE GAUGE

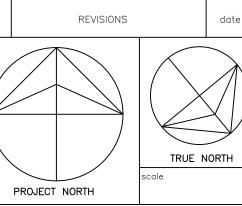
ABBR.	DESCRIPTION
AV	AIR VENT
CTE	CONNECT TO EXISTING
CUT	CUT POINT OF EXISTING SERVICE
C/W	COMPLETE WITH
EX	EXISTING TO REMAIN
R	DENOTES EXISTING TO BE REMOVED ENTIRELY U.N.O.
ER	EXISTING TO BE RELOCATED
RE	EXISTING IN RELOCATED POSITION
N	NEW EQUIPMENT
E/A	EXHAUST AIR
OED	OPEN ENDED DUCT
A/D	ACCESS DOOR



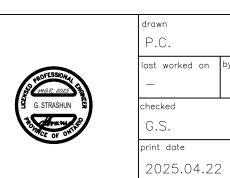
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ISSUED FOR PERMIT





HALTON DISTRICT SCHOOL BOARD

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2050 GUELPH AVE. BURLINGTON

CENTRAL P.S. WASHROOM AND STORAGE ROOM RENOVATIONS

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638 BRANT ST BURLINGTON

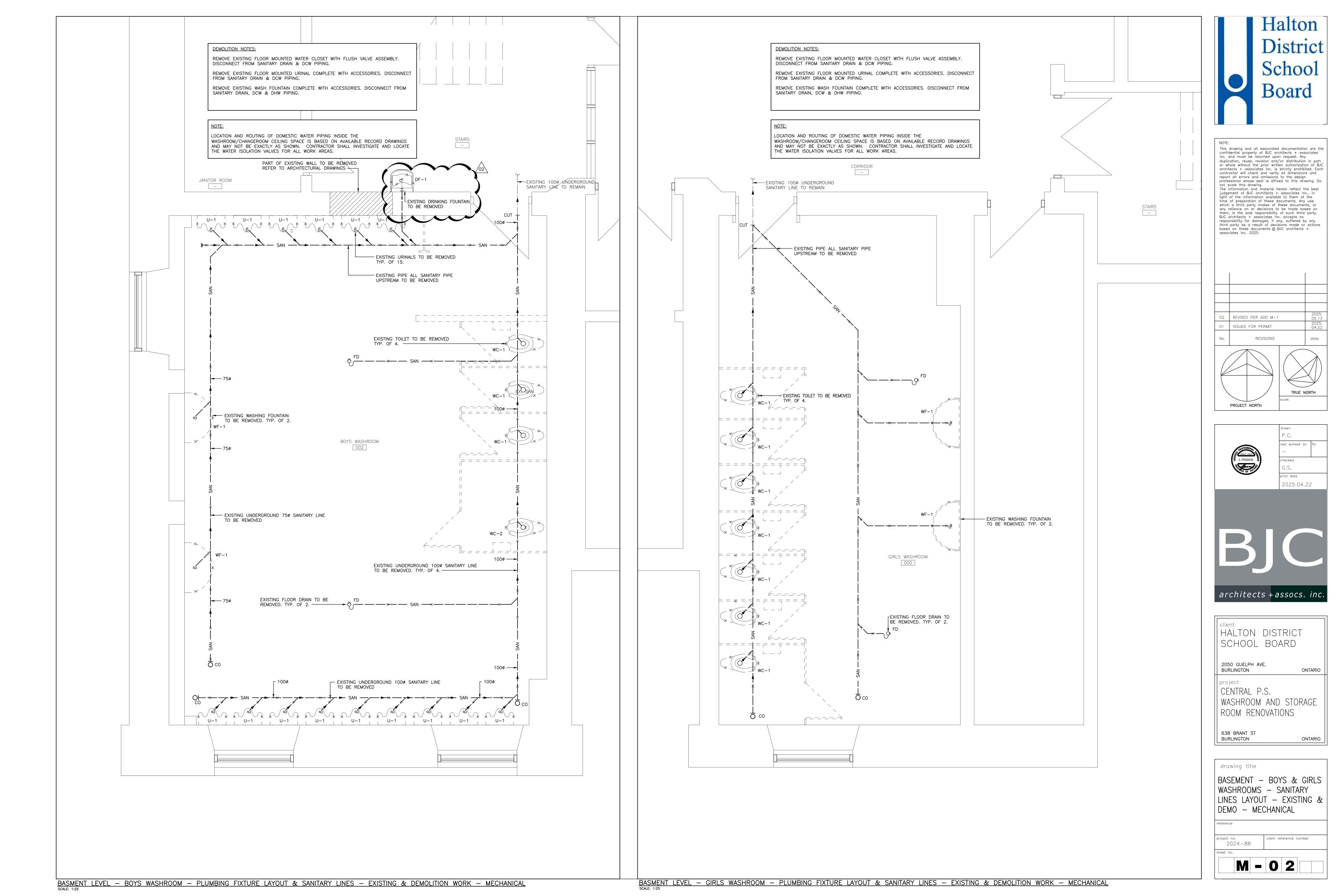
drawing title

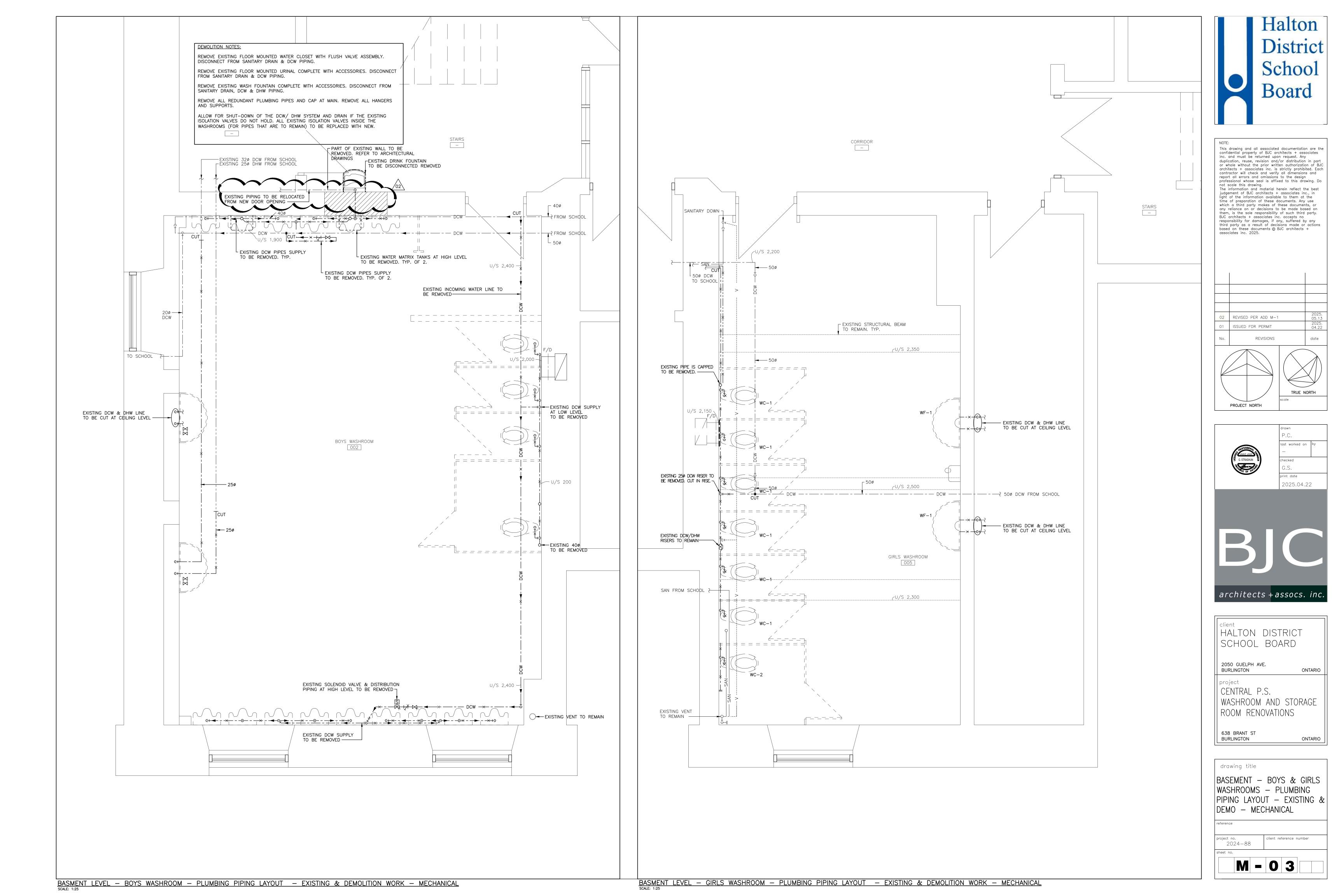
KEY PLAN, SYMBOLS, SCHEDULES & DETAILS - MECHANICAL

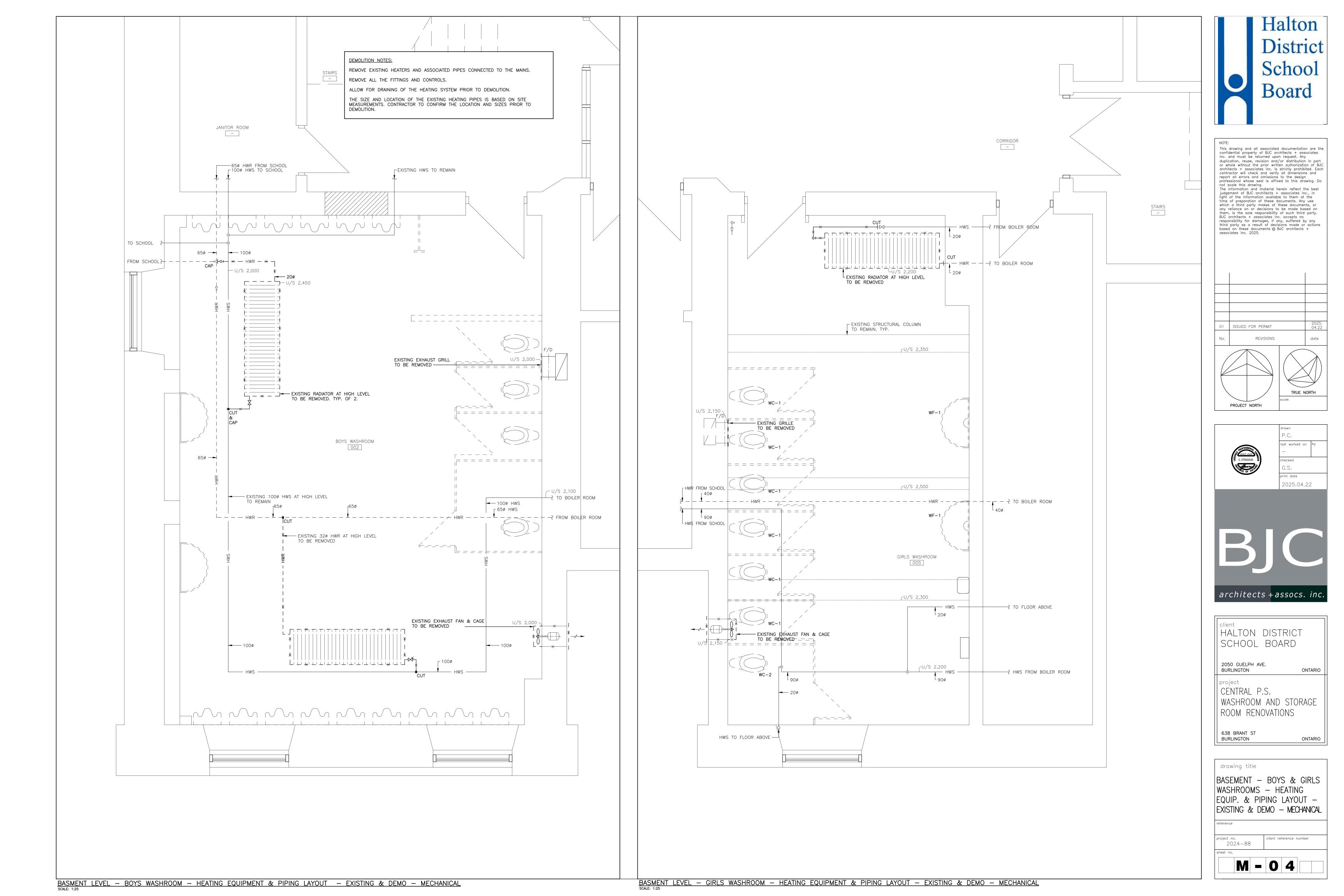
project no. 2024-88

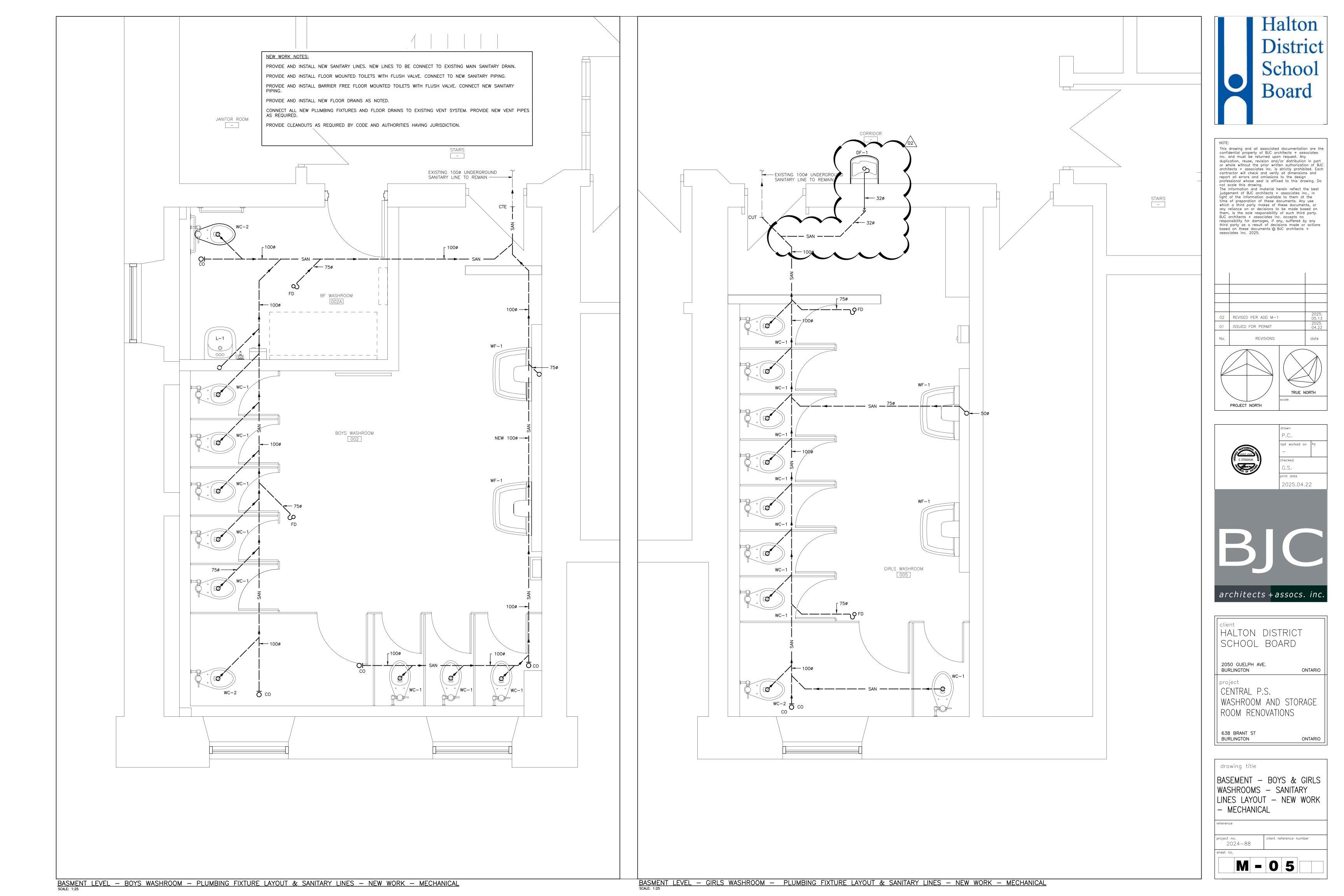


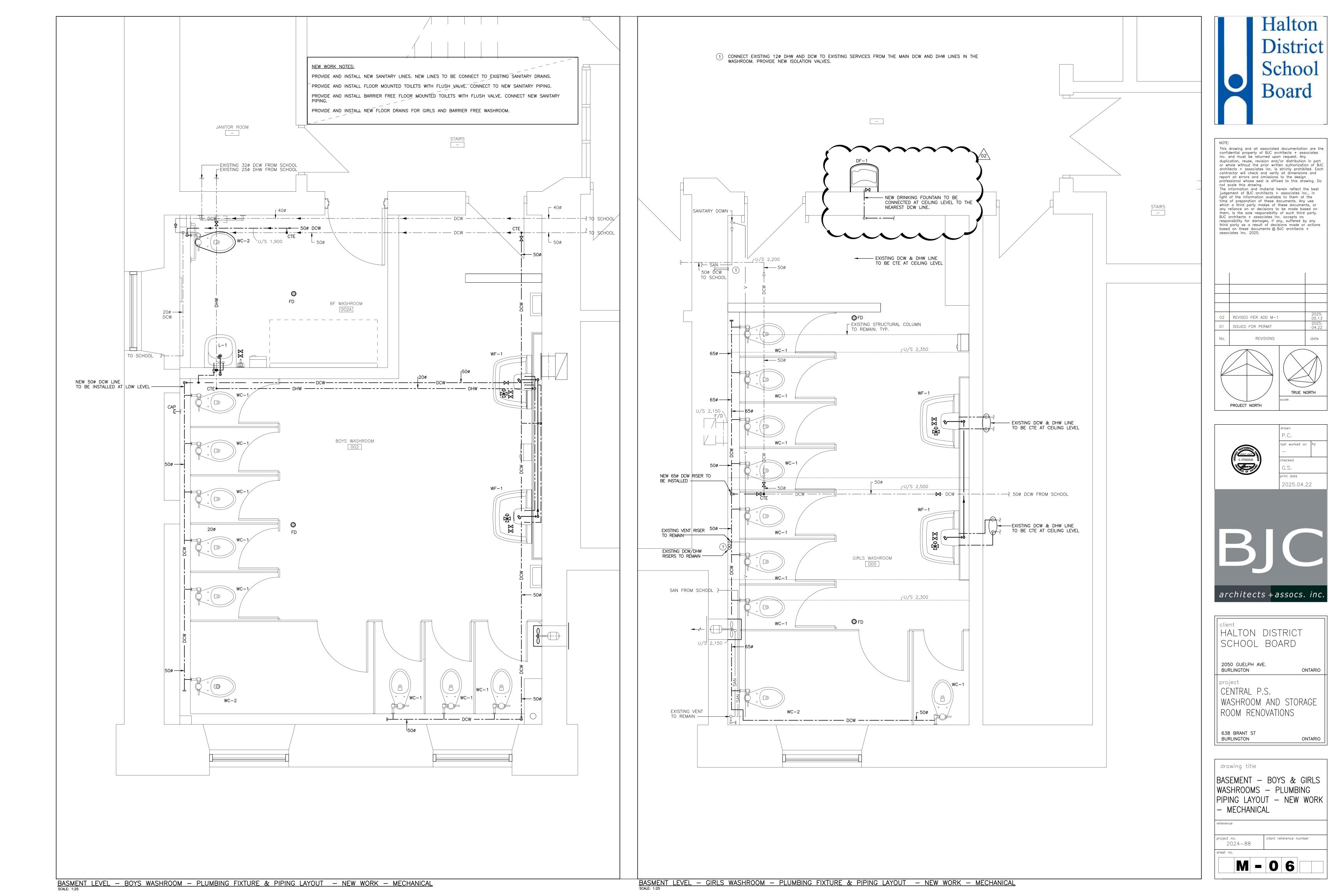


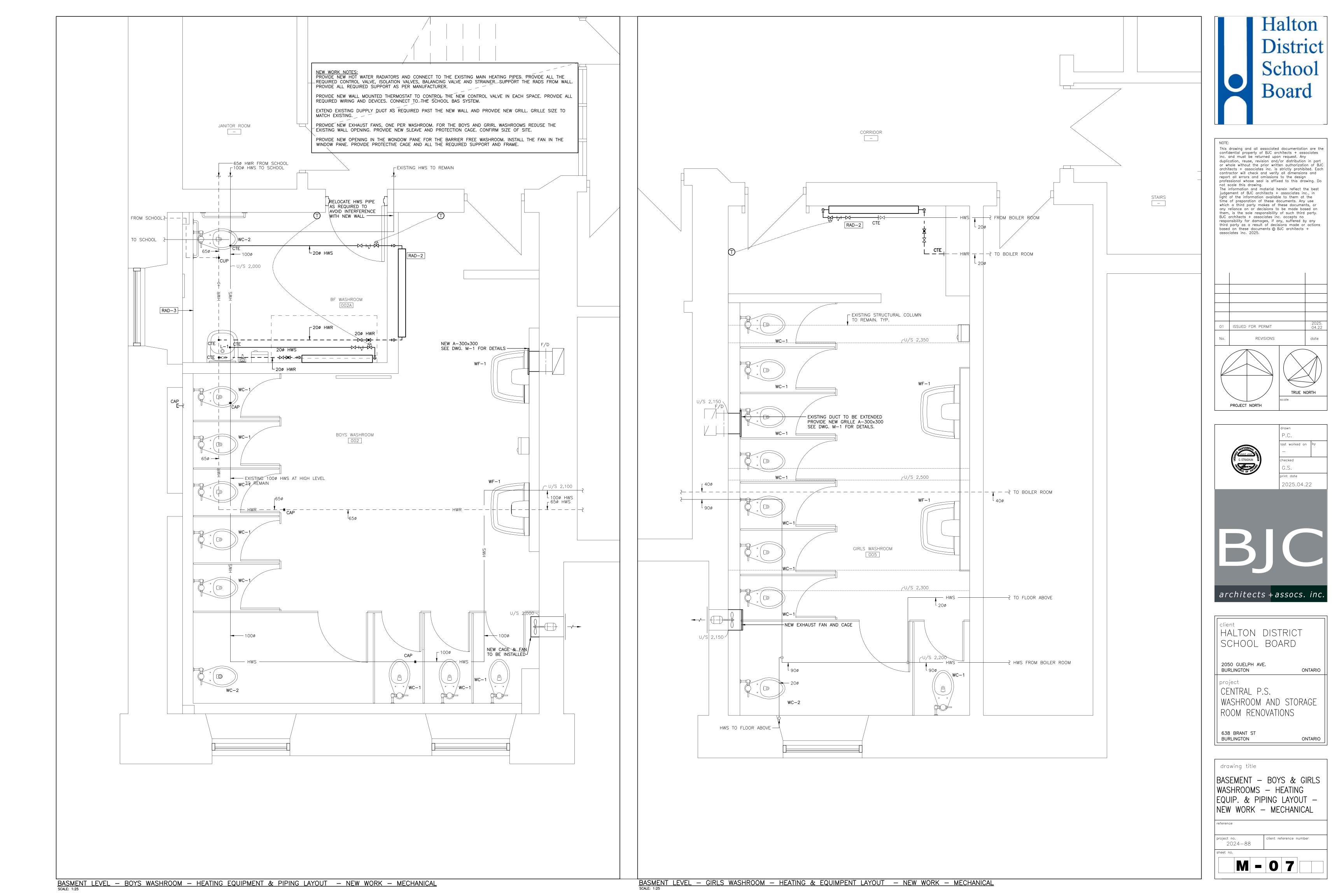












GENERAL NOTES

IT IS MANDATORY FOR THE ELECTRICAL CONTRACTOR (AND ALL SUB--CONTRACTORS) TO VISIT THE SITE PRIOR TO BIDDING AND REVIEW EXISTING CONDITIONS AND DEMOLITION SCOPE OF WORK TO SUIT EXISTING ARCHITECTURAL, STRUCTURAL AND MECHANICAL SITE CONDITIONS, DRAWINGS, SPECIFICATIONS AND ALL CONTRACT DOCUMENTS. NO EXTRA WILL SUBSEQUENTLY BE ALLOWED TO COVER ANY SUCH ERROR, OMISSION AND/OR OVERSIGHT FOR NOT HAVING MADE A THOROUGH INSPECTION OF THE GROUNDS, EXISTING CONDITIONS, DRAWINGS, SPECIFICATION AND DESIGN INTENT. THE ELECTRICAL CONTRACTOR SHALL NOTE THAT THE EXISTING BUILDING WILL REMAIN IN OPERATION THROUGHOUT DEMOLITION/CONSTRUCTION. ALLOW FOR ANY WORK REQUIRED TO BE DONE WHICH MAY AFFECT POWER SUPPLY AND OPERATION OF THE BUILDING TO BE CARRIED OUT AFTER HOURS OR AT A TIME CONVENIENT TO THE BUILDING MANAGEMENT. PROVIDE TEMPORARY SERVICES AS REQUIRED TO ENSURE CONTINUED OPERATION AT ALL TIMES.

CAREFULLY EXAMINE OTHER EXISTING UTILITY LINES SUCH AS GAS, WATER ETC. PRIOR TO START THE ELECTRICAL CONSTRUCTION WORKS AND COORDINATE WITH OTHER TRADES AND REPORT OF ANY DISCREPANCY PRIOR TO PROCEEDING.

3. THESE DRAWINGS SHALL BE READ AND PRICED IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS AND SPECIFICATIONS AS WELL AS ALL OTHER DOCUMENTS FORMING THIS BID. INCLUDE FOR THE SUPPLY AND INSTALLATION OF POWER, SYSTEMS, AND LIGHTING AS PER THE COMPLETE CONSTRUCTION DOCUMENTS. NO EXTRA COST WILL BE ACCEPTED IN FAILURE TO OBTAINING AND/OR REVIEW OF SUCH DOCUMENTS. REFER TO ARCHITECTURAL, ELECTRICAL, STRUCTURAL AND MECHANICAL LAYOUTS IN CONJUNCTION FOR EXACT LOCATION OF ALL EQUIPMENT. REPORT ANY DISCREPANCIES TO THE ELECTRICAL ENGINEER PRIOR TO COMMENCING WORK. NO EXTRA WILL BE PROVIDED AS A RESULT OF A FAILURE TO DO SO.

4. IT IS MANDATORY THAT ELECTRICAL WORK CONFORM TO ALL APPLICABLE CODES (INCLUDING THE ONTARIO BUILDING, FIRE, AND ONTARIO ELECTRICAL SAFETY CODE), BASE BUILDING (BOARD) STANDARDS, AND THE STANDARDS SET BY ANY AND ALL LOCAL AUTHORITIES HAVING JURISDICTION.

5. LOCATIONS OF ALL NEW DISCONNECT SWITCHES AND STARTERS SHALL BE CONFIRMED WITH DIVISION 23 PRIOR TO INSTALLATION. STARTERS FOR EXHAUST FANS SHALL BE SUPPLIED AND INSTALLED BY DIV. 26.

6. ALL ELECTRICAL WORK SHALL BE INSPECTED BY THE ELECTRICAL SAFETY AUTHORITY (ESA). ARRANGE AND PAY FOR ALL INSPECTIONS REQUIRED FOR THE DURATION OF THE PROJECT.

7. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR HIRING A FIRE WATCH AS REQUIRED BY CODE, LOCAL AUTHORITIES HAVING JURISDICTION, AND DURING ANY ALTERATION OR DOWNTIME OF THE FIRE ALARM SYSTEM. FIRE WATCH SHALL BE PRESENT THROUGHOUT THE DOWNTIME DURATION.

8. DURING CONSTRUCTION, IT IS CRITICAL THAT THE ELECTRICAL CONTRACTOR COORDINATES ITS WORK WITH ALL OTHER TRADES. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE SCOPE OF WORK OF OTHER TRADES (INCLUDING, BUT NOT LIMITED TO, ARCHITECTURAL, MECHANICAL, STRUCTURAL, MILLWORK, ETC.) IN CONJUNCTION WITH THE PROPOSED ELECTRICAL SCOPE OF WORK, THE ELECTRICAL CONTRACTOR SHALL ESPECIALLY REVIEW MECHANICAL CONVECTOR AND NEW MILLWORK LOCATIONS AND IDENTIFY ANY POSSIBLE INTERFERENCES WITH THE PROPOSED ELECTRICAL WORK PRIOR TO ROUGH -- IN (I.E. RECEPTACLE LOCATIONS SHALL BE SHIFTED FROM THE PROPOSED LOCATION TO ANOTHER LOCATION SHOULD THE CONTRACTOR FIND OUT DURING COORDINATION THAT MECHANICAL CONVECTORS ARE BEING INSTALLED IN A CERTAIN LOCATION. SIMILARLY, RECEPTACLE HEIGHTS SHALL BE ADJUSTED IN THE EVENT THAT NEW, PROPOSED MILLWORK MIGHT BLOCK PROPOSED

9. THE ELECTRICAL CONTRACTOR SHALL LABEL ALL NEW AND EXISTING LIGHT SWITCHES, RECEPTACLES AND JUNCTION BOXES COVERPLATES WITH THE PANEL NAME AND BREAKER IT IS FED FROM. ALL LABELING OF ELECTRICAL DEVICES SHALL BE DONE SO WITH A LABELMAKER ONLY. NO HAND WRITTEN LABELS WILL BE PERMITTED.

10. WHERE NEW PARTITIONS ARE BEING CONSTRUCTED, ALL WIRING AND RACEWAYS SHALL BE EMBEDDED IN THE CONSTRUCTION OF THE NEW WALLS AND ALL BACKBOXES SHALL BE RECESSED. WHERE NEW DEVICES/SYSTEMS ARE PROPOSED ON EXISTING BLOCK WALLS. UTILIZE WIREMOLD 500/700 SERIES AS RACEWAY FOR ALL NEW WIRING. PROVIDE WIREMOLD BACKBOXES FOR SURFACE MOUNTED, INTERIOR APPLICATIONS. THE USE OF SHEET METAL BOXES WILL NOT BE PERMITTED.

11. IN THE EVENT OF ANY DISCREPANCY BETWEEN THE ELECTRICAL DRAWINGS AND SPECIFICATIONS, ALLOW FOR THE HIGHEST-PRICED OPTION IN THE TENDER PRICE. 12. ALL WIRING USED ON THIS PROJECT SHALL BE RUN IN RACEWAYS. NO USE OF ARMOURED (BX) CABLE WILL BE PERMITTED WITH THE EXCEPTION OF RUNS NOT TO EXCEED 5' BETWEEN A LIGHT FIXTURE AND THE RESPECTIVE JUNCTION BOX.

13. ALL WORK DONE BY DIVISION 16 OR BY A SUBCONTRACTOR OF DIVISION 16 SHALL BE FIRESTOPPED BY A SPECIALIST HIRED BY DIVISION 16, THE COSTS OF WHOM SHALL BE INCLUDED FOR IN THE TENDER PRICE. PROVIDE A LETTER, IF REQUESTED, CERTIFYING ACCEPTANCE OF ALL FIRESTOPPING BY A PROFESSIONAL AUTHORIZED TO REVIEW THE FIRESTOPPING WORK.

14. NEW WORK SHALL NOT COMMENCE PRIOR TO COMPLETION OF DEMOLITION BY ALL TRADES. THE INSTALLATION OF NEW SYSTEMS (INCLUDING CONDUIT) SHALL TAKE PLACE IN STRICT COORDINATION WITH OTHER DISCIPLINES TO AVOID CONFLICTS. ANY WORK REQUIRING REMOVAL AND REINSTATEMENT SHALL BE DONE AT NO COST TO THE OWNER WHEN SUCH CHANGES ARE REQUIRED AS A RESULT OF SITE COORDINATION ISSUES.

15. ALL RECESSED LIGHT FIXTURES AND PA SPEAKERS SHALL BE PROVIDED WITH NEW FIRE RATED BOX (ALL AROUND & AT TOP INSIDE CEILING SPACE) WITH RECOMMENDED CLEARANCES FROM SELECTED LIGHT FIXTURE MANUFACTURER TO MATCH FIRE RATING OF EXISTING CEILING/GRID TILE THAT IS AFFECTED AND/OR INTERRUPTED. THE MATERIAL & RATING OF BOXING SHALL BE THE SAME AS THAT OF THE CEILING/GRID TILE AND BUILD TO APPLICABLE ULC DESIGN NUMBER. THE FIRE RATED BOX SHALL BE PRE——FABRICATED ULC LISTED AS ACCEPTABLE TO AUTHORITY HAVING JURISDICTION (AHJ). BOTH BOX AND LIGHT FIXTURES SHALL BE SUPPORTED FROM BUILDING STRUCTURE AND INDEPENDENT OF CEILING AND ITS HANGING SYSTEM. FOR AREAS WHERE PRE--FABRICATED BOX CANNOT FIT, PROVIDE ON SITE FABRICATED FIRE RATED BOX BUILT TO APPLICABLE ULC DESIGN OF MATERIAL (FIRE RATED ACM TILE OR TYPE X FIRE RATED DRYWALL) INCLUDE FOR SERVICES OF SPECIALIZED TRADE AND DESIGN PROFESSIONAL TO COMPLETE THE WORK AS PER APPLICABLE CODES REQUIREMENTS. CONTRACTOR IS RESPONSIBLE TO OBTAIN APPROVAL OF FIRE RATED BOX WITH AHJ AT ONSET OF PROJECT PRIOR TO ORDERING OF MATERIAL, SHOP DRAWINGS SUBMISSION AND INSTALLATION. SCHOOL BOARD'S PREFERENCE IS TO USE PRE--FABRICATED ULC LISTED FIRE RATED BOXES. FOR PRICING PURPOSE, THE CONTRACTOR SHALL INCLUDE FOR HIGHEST PRICE OPTION (FROM PRE—-FABRICATED AND ON SITE FABRICATED BOX) IN THE BID PRICE. COORDINATE SCOPE OF WORK WITH GENERAL CONTRACTOR AT THE TIME OF PRICING AND INSTALLATION.

ELECTRICAL GENERAL NOTES

DRAWINGS AND/OR SPECIFICATIONS MUST BE REFEREED TO THE CONSULTANT BEFORE ANY AFFECTED WORK IS COMMENCED.

- 1. OBTAIN ALL APPROVALS FROM PUBLIC AUTHORITIES HAVING JURISDICTION, BEFORE COMMENCING WORK AND PAY ALL ASSOCIATED INSPECTION FEES AND ALL PERMITS. EXAMINE ARCHITECTURAL, STRUCTURAL AND MECHANICAL CONDITIONS AND AVAILABLE DRAWINGS BEFORE PROCEEDING WITH THE WORK. ANY DISCREPANCIES BETWEEN
- 3. ALL CUTTING AND PATCHING REQUIRED FOR THE ELECTRICAL WORK SHALL BE INCLUDED. NO CHASING BLOCKWORK WILL BE ALLOWED. PROVIDE FIRE-STOPPING TO SUIT FT RATING OF THE FLOOR OR WALL PENETRATION TO SUIT. MAKE GOOD ALL BUILDING ELEMENTS AFFECTED BY THIS WORK TO THEIR ORIGINAL CONDITION OR
- 4. ALL MATERIAL USED THROUGHOUT SHALL BE NEW, OF BEST QUALITY CSA APPROVED AND OF ONE MANUFACTURE.

RECEPTACLES. NO EXTRA WILL BE PERMITTED OF AN ERROR RELATED TO A LACK OF COORDINATION ON SITE.

- 5. PROVIDE ALL CONDUIT, WIRING, BOXES, SWITCHES, OUTLETS, DEVICES, ETC., AS REQUIRED. MAKE FINAL CONNECTIONS TO VIBRATING EQUIPMENT WITH LIQUID TIGHT FLEXIBLE CONDUIT. ALSO REFER TO SECTION 15241.
- 6. PROVIDE ALL HANGERS, INSERTS AND SUPPORTS OF APPROVED TYPES REQUIRED FOR THE ELECTRICAL WORK. PROVIDE CONDUIT FOR ALL SERVICES PENETRATING THE FLOOR SLAB. SEAL ALL PENETRATIONS THROUGH FLOOR SLABS WITH AN APPROVED NON-SHRINK, WATERPROOF AND FIREPROOF SEALANT.
- 7. ALL CONDUIT SHALL BE EMT THINWALL WITH STEEL SET SCREW COUPLINGS AND CONNECTORS WITH INSULATED THROATS UNLESS OTHERWISE NOTED. PAINT CONDUIT TO MATCH EXISTING SURFACE THEY ARE INSTALLED ON. IN FINISHED AREA, RUN PARALLEL TO BUILDING WALLS AND CONCENTRIC RIGHT ANGLE BENDS ONLY SHALL
- 8. ALL WIRING SHALL BE MINIMUM #12 GAUGE COPPER, EXCEPT AS OTHERWISE NOTED. ALL WIRING SHALL BE 600 VOLT TYPE RW90 AND RUN IN CONDUITS. MINIMUM SIZE WIRING FOR DC WIRING SHALL BE #10 GAUGE. MAXIMUM VOLTAGE DROP NOT EXCEED 2 PERCENT. PROVIDE GROUND WIRES WITH ALL FEEDERS AND BRANCH CIRCUITS IN ACCORDANCE WITH APPLICABLE CODES AND ONTARIO ELECTRICAL SAFETY CODE REQUIREMENTS. PROVIDE MAIN GROUND TO ESA APPROVAL.
- 9. PROVIDE ALL CONDUIT, WIRING, SPLITTERS, OUTLET BOXES AND DISCONNECT SWITCHES AS SHOWN AND AS REQUIRED TO MAKE THE EQUIPMENT FULLY OPERATIONAL. SUPPLY AND INSTALL ALL STARTERS AND WIRE COMPLETE. COORDINATE THE FINAL LOCATION OF DISCONNECT SWITCHES AND VFD DEVICES SUCH AS TO MAINTAIN THE PRESCRIBED CLEARANCES AND AVOID INTERFERENCE WITH OTHER EQUIPMENT.
- 10. CONTRACTORS SHALL NOTE THAT THIS CONTRACT IS AN ALTERATION TO AN EXISTING BUILDING AND SHALL THOROUGHLY INVESTIGATE THE EXISTING ELECTRICAL INSTALLATION AND CONDITIONS.
- 11. DEMOLITION OF EXISTING SERVICES: REMOVE POWER CONNECTIONS AS SHOWN ON DRAWINGS C/W CONDUIT AND WIRING TO SOURCE.
- 12. ALL WORK SHALL BE DONE WITH MINIMUM POSSIBLE INTERRUPTION TO EXISTING BUILDING SYSTEMS AND IN THE TIME SCHEDULE PERMITTED BY THE PROJECT MANAGER. INCLUDE FOR AFTER HOURS/WEEKEND WORK FOR POWER SHUTDOWN & CONNECTION WORK.
- 13. PROVIDE LAMACOID LABEL AT EACH EQUIPMENT DISCONNECT SWITCH STATING PANEL SOURCE, OVER-CURRENT PROTECTION AND BRANCH WIRING SIZE.

	LIGHTING FIXTURE SCHEDULE					
	TYPE	MANUFACTURER	CATALOGUE/MODEL NUMBER	VOLTAGE	FIXTURE SIZE LxW MM [FT]	DESCRIPTION
Ī	Α	EELIGHTING	VTB2N-4-347D	120V	1,200x300 [4x1]	VAPOUR TIGHT, 4 FEET SURFACE MOUNTED

ELECTRICAL GENERAL NOTES

EXAMINE ARCHITECTURAL, STRUCTURAL AND MECHANICAL CONDITIONS AND AVAILABLE DRAWINGS BEFORE PROCEEDING WITH THE WORK. ANY DISCREPANCIES BETWEEN DRAWINGS AND/OR SPECIFICATIONS MUST BE REFERRED TO THE PRIME CONSULTANT BEFORE ANY AFFECTED WORK IS

ALL MATERIALS USED THROUGHOUT SHALL BE NEW, OF BEST QUALITY CSA APPROVED AND OF ONE MANUFACTURER.

OBTAIN AND PAY FOR APPROVALS AND PERMITS FROM AUTHORITIES HAVING JURISDICTION.

PROVIDE ALL CONDUIT, WIRING, BOXES, SWITCHES, OUTLETS, DEVICES, ETC, AS REQUIRED. MAKE UP TO THE LAST 3 FT OF FINAL CONNECTIONS TO ROTATING EQUIPMENT WITH LIQUID TIGHT FLEXIBLE CONDUIT.

CONTRACTORS SHALL NOTE THAT THIS CONTRACT IS AN ALTERATION TO AN EXISTING BUILDING AND SHALL THOROUGHLY INVESTIGATE THE EXISTING ELECTRICAL INSTALLATION AND CONDITIONS. DEMOLITION. REMOVE POWER CONNECTIONS AS SHOWN ON DRAWINGS C/W CONDUIT AND WIRING TO SOURCE.

CONDUCTORS AND CABLES

CONDUCTORS AND CABLES SHALL BE IN ACCORDANCE WITH NEMA WC-70 AND AS SPECIFIED HEREIN.

CONDUCTORS SHALL BE ANNEALED COPPER, STRANDED FOR SIZES NO. 8 AWG AND LARGER, SOLID FOR SIZES NO. 10 AWG AND SMALLER. CONDUCTORS SHALL BE MINIMUM SIZE NO. 12 AWG, EXCEPT WHERE SMALLER SIZES ARE SPECIFICALLY SHOWN ON THE DRAWINGS. MINIMUM SIZE WIRING FOR DC WIRING SHALL BE #10 GAUGE.

ALL WIRING SHALL BE 600 VOLT TYPE RW90 AND RUN IN METALLIC CONDUIT EXCEPT WHERE ALLOWED IN FLEXIBLE LIQUID-TIGHT FLEXIBLE ENCLOSURE (SEE SECTION 15241). MAXIMUM VOLTAGE DROP SHALL NOT EXCEED 2%. PROVIDE GROUND WIRES WITH ALL FEEDERS AND BRANCH CIRCUITS IN ACCORDANCE WITH APPLICABLE CODES AND ONTARIO ELECTRICAL SAFETY CODE REQUIREMENTS. PROVIDE MAIN GROUND TO ESA

THHN-THWN SHALL BE IN ACCORDANCE WITH NEMA WC-70, UL 44, AND UL 83.

ALL CONDUIT SHALL BE RIGID ALUMINUM (OUTDOORS) OR EMT THINWALL (INDOORS) WITH STEEL SET SCREW COUPLINGS AND CONNECTORS WITH INSULATED THROATS UNLESS OTHERWISE NOTED. RUN CONDUITS PARALLEL TO BUILDING LINES AND CONCENTRIC RIGHT ANGLE BENDS ONLY SHALL

SEAL ALL PENETRATIONS THROUGH FLOOR SLABS WITH AN APPROVED NON-SHRINK, WATERPROOF AND FIREPROOF SEALANT.

NEW CONDUIT HANGERS SHALL BE SUPPORTED FROM BUILDING STRUCTURE AND INDEPENDENTLY FROM OTHER EXISTING ELEMENTS SUCH AS DUCTWORK, CONDUITS, PIPING ETC.

POWER DISTRIBUTION SYSTEM

THE POWER DISTRIBUTION SYSTEM SHALL BE MODIFIED AS SHOWN ON THE PLANS AND AS HEREINAFTER SPECIFIED. BREAKERS RATING SHALL MATCH EXISTING EQUIPMENT TO WHICH THEY ARE INSTALLED.

SPLICES AND JOINTS

IN ACCORDANCE WITH UL 486A, C, D, E, AND NEC.

CONNECTORS: SOLDERLESS, SCREW ON, REUSABLE PRESSURE CABLE TYPE, RATED 600 V, 220° F [105° C], WITH INTEGRAL INSULATION, APPROVED FOR COPPER CONDUCTORS. THE INTEGRAL INSULATOR SHALL HAVE A SKIRT TO COMPLETELY COVER THE STRIPPED WIRES. THE NUMBER, SIZE, AND COMBINATION OF CONDUCTORS, AS LISTED ON THE MANUFACTURER'S PACKAGING, SHALL BE STRICTLY FOLLOWED.

CONNECTORS SHALL BE INDENT, HEX SCREW, OR BOLT CLAMP TYPE OF HIGH CONDUCTIVITY AND CORROSION RESISTANT MATERIAL, LISTED FOR USE WITH COPPER AND ALUMINUM CONDUCTORS. FIELD-INSTALLED COMPRESSION CONNECTORS FOR CABLE SIZES 250 MCM AND LARGER SHALL HAVE NOT FEWER THAN TWO CLAMPING ELEMENTS OR COMPRESSION INDENTS PER WIRE.

INSULATE SPLICES AND JOINTS WITH MATERIALS APPROVED FOR THE PARTICULAR USE, LOCATION, VOLTAGE, AND TEMPERATURE. SPLICE AND JOINT INSULATION LEVEL SHALL BE NOT LESS THAN THE INSULATION LEVEL OF THE CONDUCTORS BEING JOINED. PLASTIC ELECTRICAL INSULATING TAPE: PER ASTM D2304, FLAME-RETARDANT, COLD AND WEATHER RESISTANT.

LOW VOLTAGE FUSED AND NON-FUSED DISCONNECT SWITCHES RATED 600 AMPERES AND LESS

IN ACCORDANCE WITH UL 98, NEMA KS1, AND NEC. SHALL HAVE NEMA CLASSIFICATION GENERAL DUTY (GD) FOR 240 V SWITCHES AND NEMA CLASSIFICATION HEAVY DUTY (HD) FOR 600 V SWITCHES. SHALL BE HP RATED.

LOCATE IN THE PROXIMITY OF THE EQUIPMENT SERVED, IN ACCORDANCE WITH NEC REQUIREMENTS.

SHALL HAVE THE FOLLOWING FEATURES:

- SWITCH MECHANISM SHALL BE THE QUICK-MAKE, QUICK-BREAK TYPE. COPPER BLADES, VISIBLE IN THE OFF POSITION.
- AN ARC CHUTE FOR FACH POLE
- EXTERNAL OPERATING HANDLE SHALL INDICATE ON AND OFF POSITION AND HAVE LOCK OPEN PADLOCKING PROVISIONS MECHANICAL INTERLOCK SHALL PERMIT OPENING OF THE DOOR ONLY WHEN THE SWITCH IS IN THE OFF POSITION, DEFEATABLE TO PERMIT
- FUSE HOLDERS FOR THE SIZES AND TYPES OF FUSES SPECIFIED (WHERE APPLICABLE).
- WHERE APPLICABLE, FUSIBLE DISCONNECT SWITCHES SHALL BE FURNISHED COMPLETE WITH FUSES. ARRANGE FUSES SUCH THAT RATING INFORMATION IS READABLE WITHOUT REMOVING THE FUSE.
- SOLID NEUTRAL FOR EACH SWITCH BEING INSTALLED IN A CIRCUIT WHICH INCLUDES A NEUTRAL CONDUCTOR. GROUND LUGS FOR EACH GROUND CONDUCTOR.

ENCLOSURES:

SHALL BE THE NEMA TYPES SHOWN ON THE DRAWINGS FOR THE SWITCHES. WHERE THE TYPES OF SWITCH ENCLOSURES ARE NOT SHOWN, THEY SHALL BE THE NEMA TYPES MOST SUITABLE FOR THE AMBIENT ENVIRONMENTAL CONDITIONS. UNLESS OTHERWISE INDICATED ON THE PLANS, ALL OUTDOOR SWITCHES SHALL BE NEMA 3R. SHALL BE FINISHED WITH MANUFACTURER'S STANDARD GRAY BAKED ENAMEL PAINT OVER PRE-TREATED STEEL (FOR THE TYPE OF ENCLOSURE REQUIRED).

	SYMBOLS - ELECTRICAL				
	DIRECT POWER OUTLET FOR USE AS NOTED INCLUDING FINAL CONNECTION.				
os	OCCUPANCY SENSOR				
८ 0	EMERGENCY LIGHT				
∡ ¢	FIRE ALARM AND STROBE				
	LIGHT				
S	SPEAKER				
∯ ^{GFI}	20A, 120V U-GROUND GROUND FAULT INTERRUPTER TYPE DUPLEX RECEPTACLE				
	DOOR OPERATOR PUSH BUTTON C/W CONDUIT, WIRING AND INSTALLATION				
DH	MAGNETIC HOLD OPEN DEVICE BY DIVISION 26 TO SUIT DOOR. PROVIDE 120V POWER CONNECTION AND FIRE ALARM RELEASE SIGNAL UPON LOCAL SMOKE DETECTOR AND GENERAL FIRE ALARM SIGNAL. TO BE MODEL: SEM 7830 BY LCN OR EQUIVALENT.				
\$ \$ \$	SINGLE POLE TOGGLE SWITCHES WITH ONE, TWO OR THREE GANG RESPECTIVELY.				
EX	DENOTES EXISTING TO REMAIN				
R	DENOTES EXISTING TO TO BE REMOVED ENTIRELY				
N	DENOTES NEW				
ER RE	DENOTES EXISTING TO BE RELOCATED DENOTES EXISTING'S NEW RELOCATED LOCATION				
TR	DENOTES EXISTING S NEW RELOCATED LOCATION DENOTES EXISTING TO BE TEMPORALLY REMOVED AND REINSTALLED IN SAME LOCATION				
Ø _{GFI}	15A, 120V U-GROUND GROUND FAULT INTERRUPTER TYPE DUPLEX RECEPTACLE MOUNTED AT HIGH LEVEL OR ABOVE GRADE. 'T'-DENOTES 20A RATED RECEPTACLE WITH T-SLOT.				
•	RATE OF RISE HEAT DETECTOR				
S	SPEAKER				
t ⊛ t	CILING OR WALL MOUNTED EXIT LIGHTS RESPECTIVLY WITH ARROW AS SHOWN LUMACELL #LER400 OR APPROVED EQUAL FROM EMERGI—LITE & BEGHELLI				

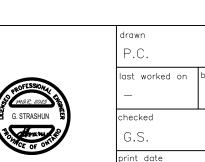
GENERAL NOTES

- 1. IT IS MANDATORY FOR THE ELECTRICAL CONTRACTOR TO VISIT SITE AND REVIEW EXISTING CONDITIONS AND DEMOLITION SCOPE OF WORK TO SUIT EXISTING ARCHITECTURAL AND STRUCTURAL CONDITIONS AND MECHANICAL DRAWINGS.
- 2. CAREFULLY EXAMINE OTHER EXISTING UTILITY LINES SUCH AS GAS, WATER ETC. PRIOR TO START THE ELECTRICAL CONSTRICTION WORKS AND COORDINATE WITH OTHER TRADES AND REPORT OF ANY DISCREPANCY PRIOR TO
- 3. REFER TO ELECTRICAL AND MECHANICAL LAYOUTS FOR EXACT LOCATION OF ALL EQUIPMENT.
- 4. LOCATIONS OF ALL NEW DISCONNECT SWITCHES, VFDS AND STARTERS SHALL BE CONFIRMED WITH DIVISION 22 PRIOR TO INSTALLATION.



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PROJECT NORTH



TRUE NORTH



HALTON DISTRICT

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ONTARIO

SCHOOL BOARD

architects +assocs.inc

2050 GUELPH AVE.

BURLINGTON project

CENTRAL P.S. WASHROOM AND STORAGE ROOM RENOVATIONS

638 BRANT ST BURLINGTON

drawing title

LEGEND, LIGHTING SCHEDULE & NOTES - ELECTRICAL

2024-88







