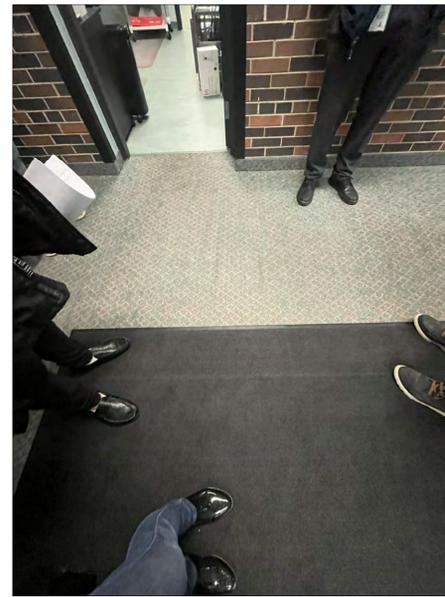
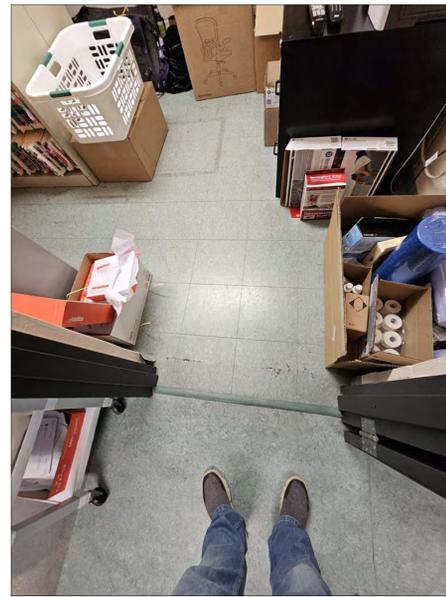
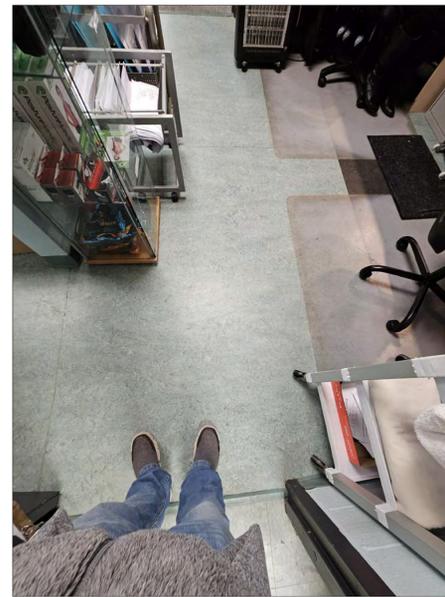
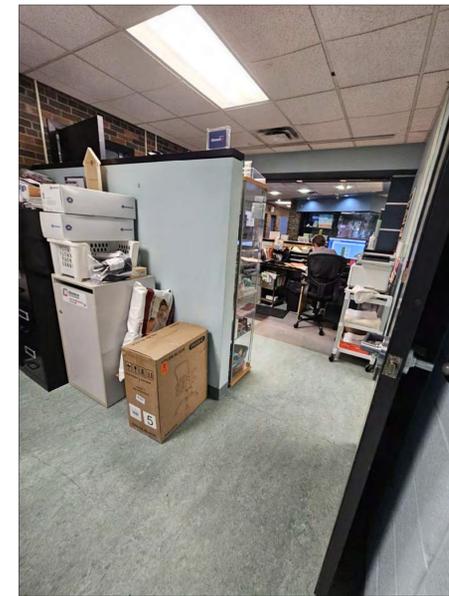
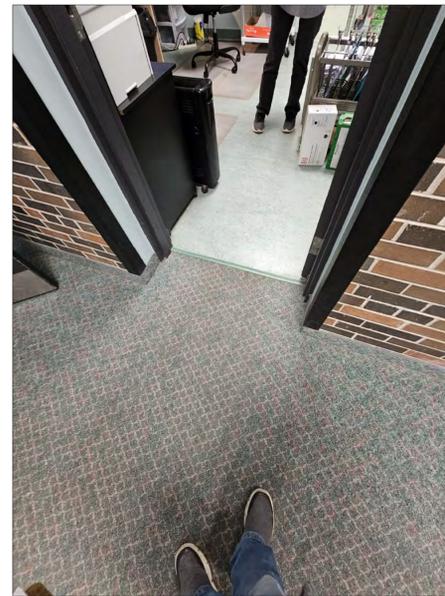
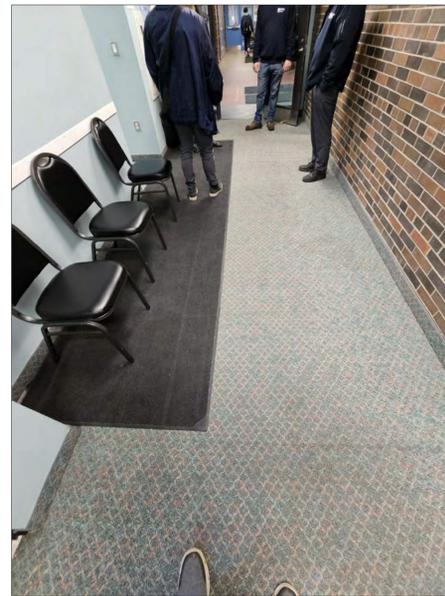
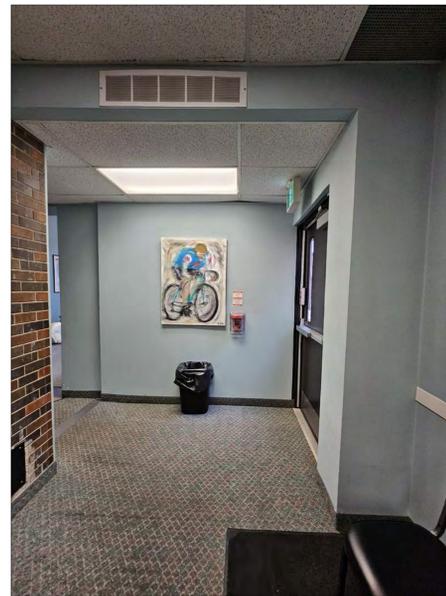
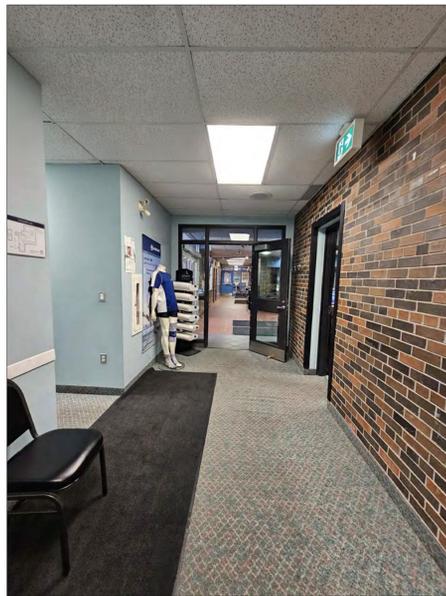


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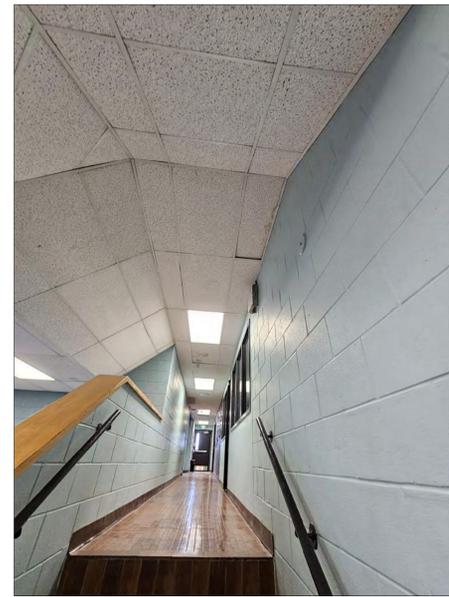
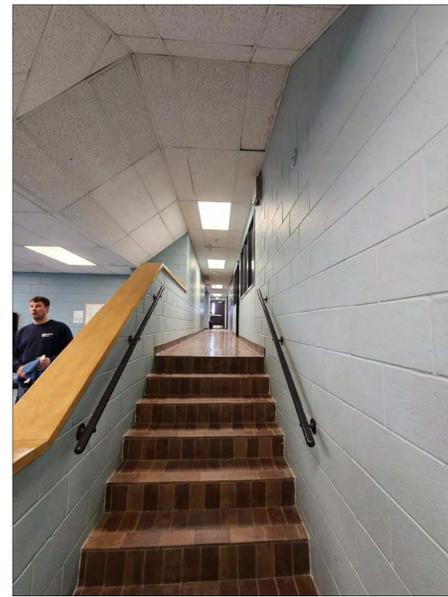
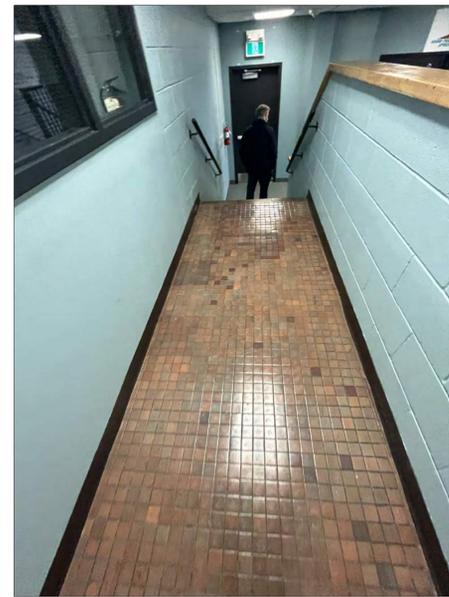
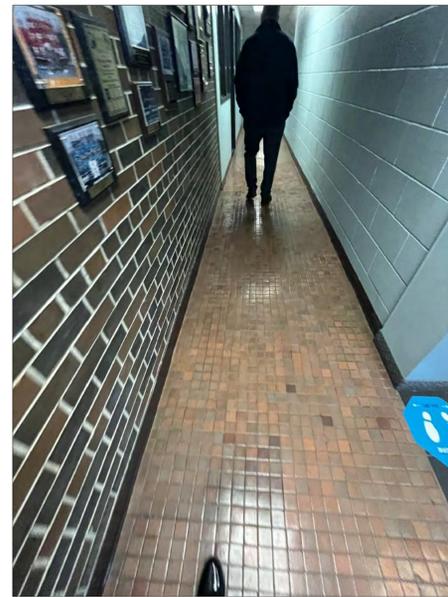
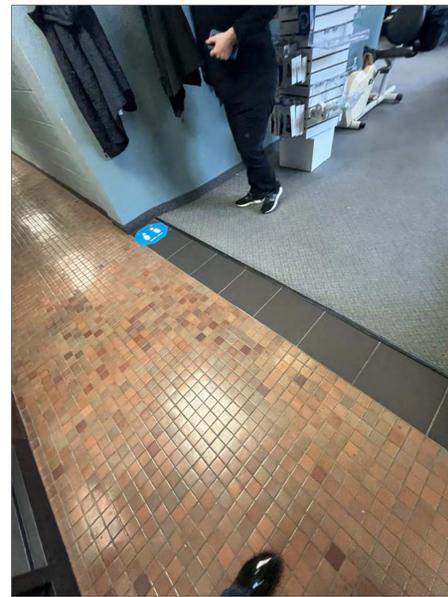
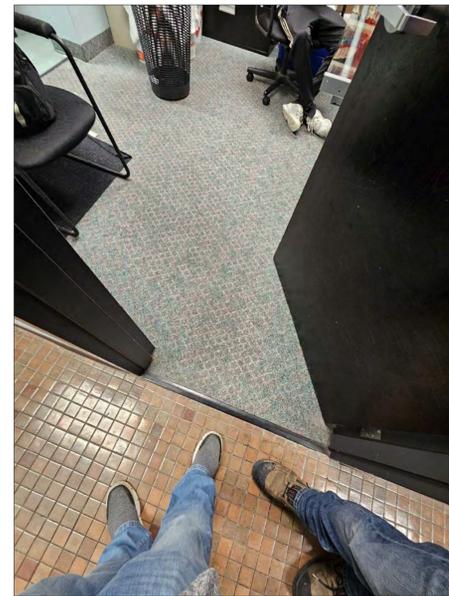
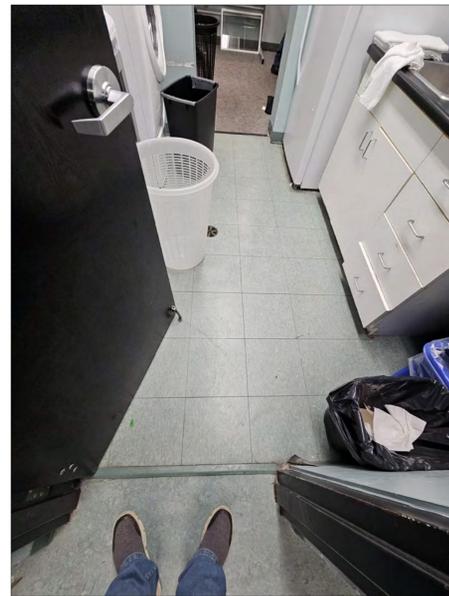
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revision	date



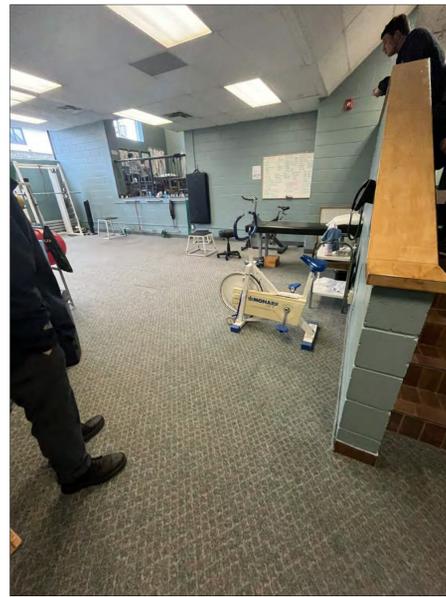
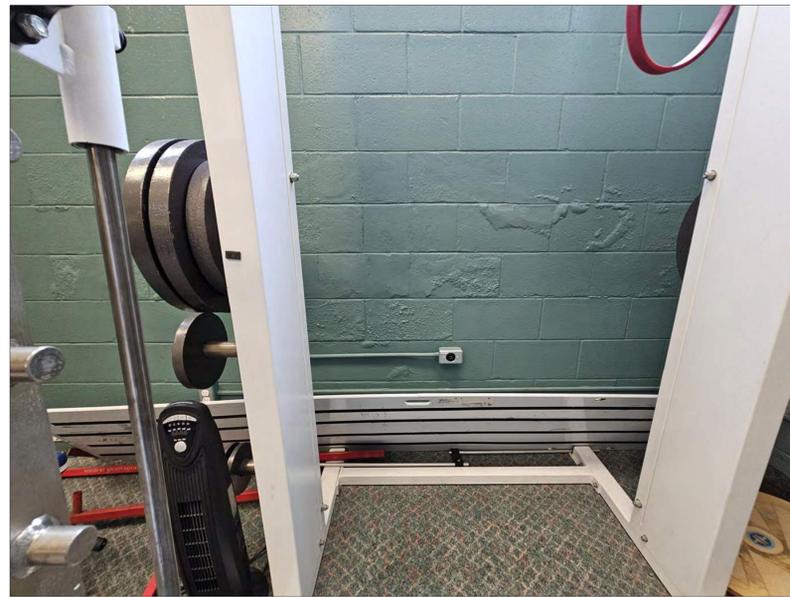
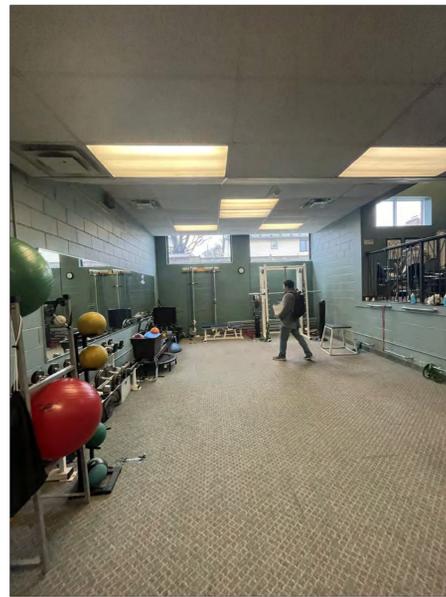
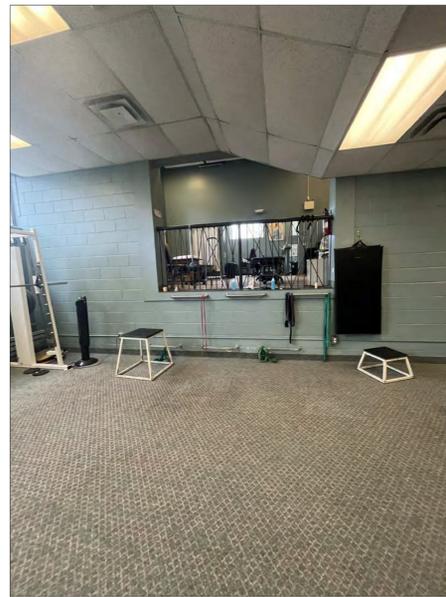
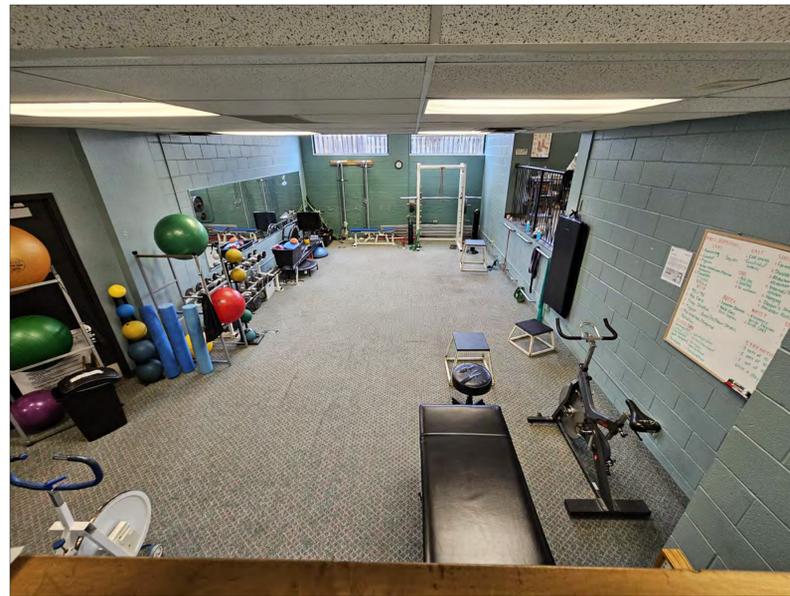
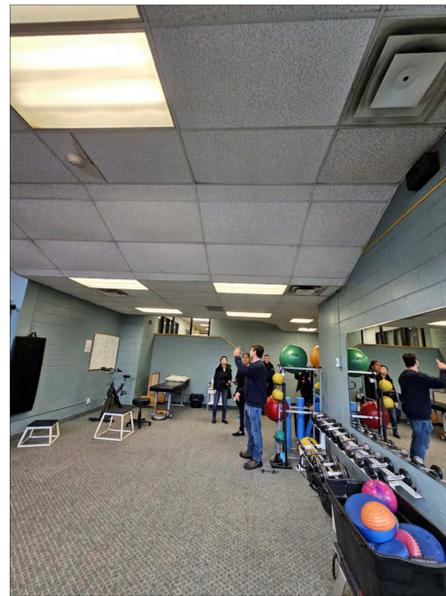
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Table with 2 columns: revision, date. Contains 5 rows of empty space for revisions.



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Table with 2 columns: revision, date. Contains one row: ISSUED FOR ADDENDUM NO.1, 08 MAY 2025.



general notes:

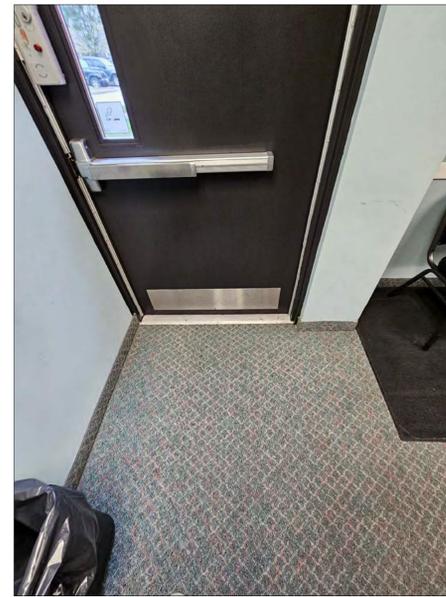
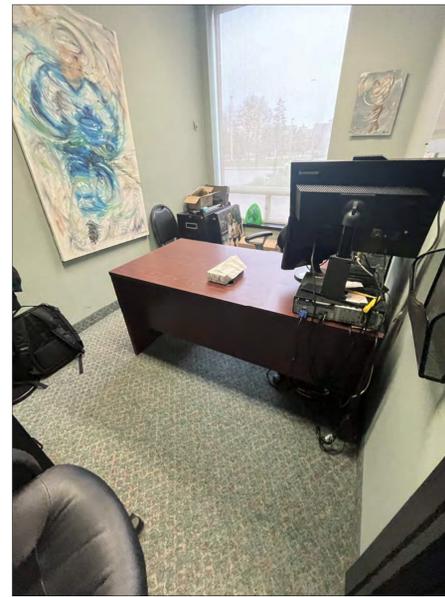
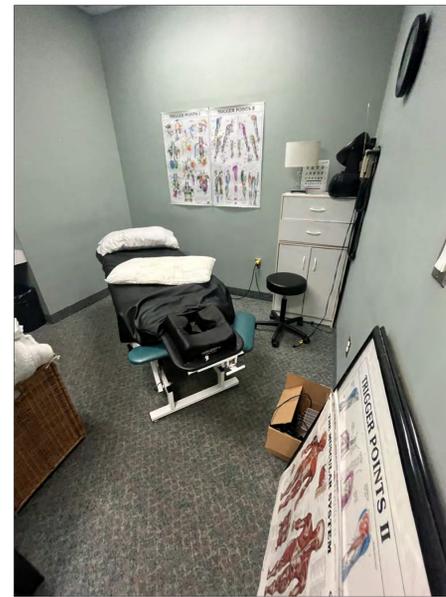
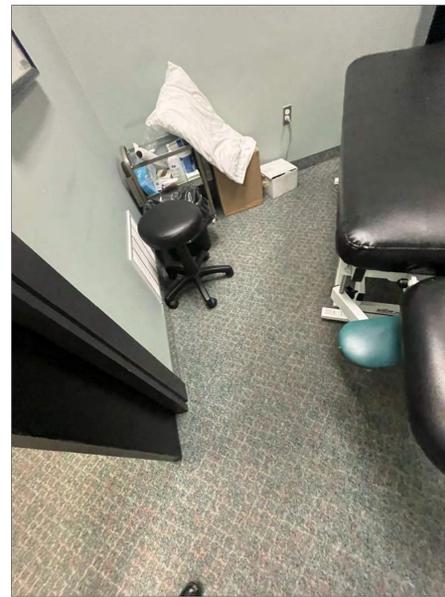
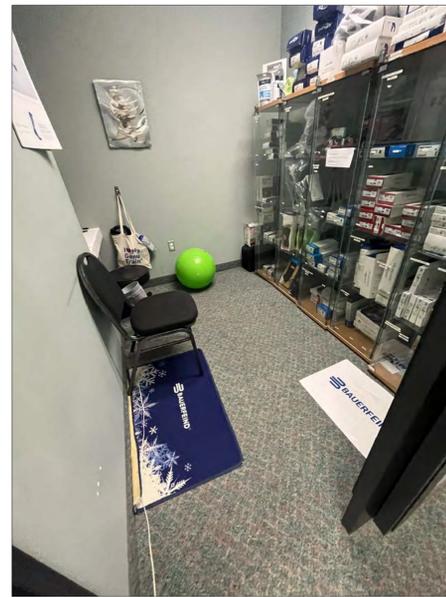
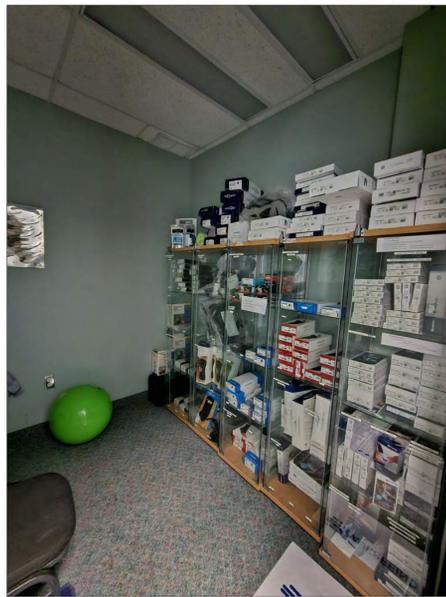
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revision	date

McMURCHY R. C. CHANGEROOM RENOVATION
Address: 247 McMURCHY AVE. S. BRAMPTON, ON
SPORTS CLINIC EXERCISE ROOM 1 PHOTOS

project no.: 2412
scale: N.T.S.
date: APRIL 2024

drawing no.: **A0.9**



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GENERAL DEMOLITION NOTES:

- REMOVE AND SALVAGE EXISTING FURNITURE AND ITEMS, INCLUDING BUT NOT LIMITED TO TOOLS, SHOVELS, BOXES, HOCKEY EQUIPMENT, GYM EQUIPMENT, CHAIRS, TABLES, LOCKERS, FILE CABINETS, STORAGE UNITS, DESKS, BULLETIN BOARDS, WHITE BOARDS ETC. RETURN FOR THE CLIENT FOR SELECTION, DEPOSIT THE REST.
- REMOVE AND SALVAGE EXISTING SIGNAGE TO BE REMOUNTED.
- ACCOUNT FOR WORKING AROUND EXISTING SERVICES.
- ALL STRUCTURAL ELEMENTS TO REMAIN, UNLESS NOTED OTHERWISE.
- REMOVE EXISTING PAINT (WALL, CEILING AND FLOOR) AND PREP SURFACES TO RECEIVE NEW FINISHES. CONTRACTOR SHALL INCLUDE LEAD-BASED PAINT REMOVAL IN ACCORDANCE WITH THE GUIDELINE LEAD ON CONSTRUCTION PROJECTS. PATCH AND REPAIR ALL DAMAGED SURFACES AS REQUIRED FOR A SMOOTH AND UNIFORM FINISH. ACCOUNT FOR WORKING AROUND EXISTING SERVICES.
- REMOVE EXISTING BUILT-UP / PEELING INTERIOR PAINT SURFACE WITH PRESSURE WASHER.
- PROVIDE DROP CLOTH TO CATCH PAINT AND REMOVE FROM SITE. PROTECT ADJACENT GROUND SURFACE AT PERIMETER OF BUILDING.
- PRESSURE WASH NOZZLE SHALL BE AT MINIMUM 3000 LBS OF PRESSURE AT 4 GALLONS PER MINUTE WITH 0 DEGREE WASHING NOZZLE ANGLE "WORLDLY BIRD".
- ALLOW EXTERIOR AND INTERIOR WALL SURFACE TO DRY AT LEAST 72 HOURS BEFORE APPLYING BASE PRIMER AND PAINT.
- PATCH AND MAKE GOOD TO MATCH ADJACENT MATERIALS. CONCRETE BLOCK SHALL BE TOOTH OUT AND REPLACE WITH A WHOLE UNIT TO SUIT.
- KEEP THE SPREAD OF DUST TO OTHER AREAS AND ADJACENT PROPERTIES AND EQUIPMENT TO A MINIMUM BY USE OF WATER SAWS AND INSTALLING AND MAINTAINING DUST TARPULLAINS AS DIRECTED AND APPROVED BY THE OWNER.
- REFER TO ASBESTOS SURVEY, MUNICIPALITY OF BRAMPTON.
- COMPLETE ALL WORK INCLUDING ABATEMENT AND DISPOSAL OF ACM'S AND OTHER DESIGNATED SUBSTANCES IN ACCORDANCE WITH THE MUNICIPALITY OF BRAMPTON, MINISTRY OF LABOUR AND MINISTRY OF ENVIRONMENT REQUIREMENTS AND PROCEDURES.

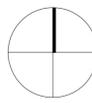
DEMOLITION LEGEND:

- WALL DEMOLITION LINE
- █ EXISTING WALL / PARTITION TO REMAIN
- █ OUTSIDE SCOPE OF WORK
- ▨ DEMOLISH EXISTING TILE 1
- ▨ DEMOLISH EXISTING TILE 2
- ▨ DEMOLISH EXISTING CARPET
- ▨ DEMOLISH EXISTING WOOD FLOORING
- ▨ EXISTING CONCRETE FLOOR PREPARE TO RECEIVE NEW FINISH

DEMOLITION NOTES:

- REMOVE AND SALVAGE OF EXISTING VANITIES, FAUCET AND ALL ASSOCIATED SUPPORTS /CARRIERS. CAP PIPES AS REQUIRED AT WALL AND PATCH OPENINGS AS REQUIRED. REINSTALL AFTER TILE WALL IS COMPLETED.
- DEMOLISH AND DISPOSE EXISTING FLOOR FINISH, FLOOR TILES, GROUT AND BASES.
- DEMOLISH EXISTING HARDWOOD, VINYL, FLOORING, VCT, RUBBER FLOORING, CARPET AND RUBBER BASE.
- REMOVE AND SALVAGE OF EXISTING MILLWORK AND ASSOCIATED HARDWARE AND REINSTALL AFTER FLOOR TILE IS COMPLETED.
- REMOVE AND SALVAGE OF EXISTING TOILET PARTITION AND REINSTALL AFTER FLOOR TILE IS COMPLETED.
- REMOVE AND DISPOSE OF EXISTING FURRING AND WALL TRIMS AND PATCH AND REPAIR ALL DAMAGED WALL SURFACES AS REQUIRED. REMOVE WALL PAINT AND PREPARE WALL TO RECEIVE NEW FINISH.
- REMOVE EXISTING ELECTRICAL SWITCH BOX AND ALL ASSOCIATED CONDUITS AND PATCH AND REPAIR ALL DAMAGED WALL SURFACES AS REQUIRED. MATCH EXISTING PAINT FINISH FOR CONCRETE BLOCK PATCH. REFER TO ELECTRICAL DWGS FOR DETAILS.
- REMOVE AND DISPOSE OF EXISTING LIGHT FIXTURES AND ASSOCIATED CONDUITS. IF CONDUITS TO REMAIN, COORDINATE EXTENT OF REMOVAL WITH NEW ELECTRICAL WORK. REFER TO ELECTRICAL DRAWINGS FOR DETAILS.
- REMOVE AND DISPOSE OF EXISTING ABANDONED PIPES.
- ADD LEVELING COMPOUND AND PREPARE FOR NEW FLOOR FINISHES AND SLOPE FLOOR TO NEW DRAIN WHEN REQUIRED. GRIND DOWN PROTRUSIONS. (TYP)
- REMOVE AND SALVAGE THE EXISTING LOCKERS AND ASSOCIATED HARDWARE. STORE THESE ITEMS IN THE SHOWERS DURING CONSTRUCTION AND RELOCATE THEM TO THEIR ORIGINAL LOCATION ONCE THE TILE WORK IS COMPLETE.
- ENSURE FLOOR IS PROTECTED WITH "PADDING OR BLANKETS" TO AVOID ANY DAMAGES.
- DEMOLISH EXISTING CONCRETE. CURB AND LEVEL THE CONCRETE SUBFLOOR. SLOPE CONCRETE FLOOR WITH LEVELER TO DRAIN AS REQUIRED. PREPARE THE CONCRETE SUBFLOOR TO RECEIVE NEW FINISH.

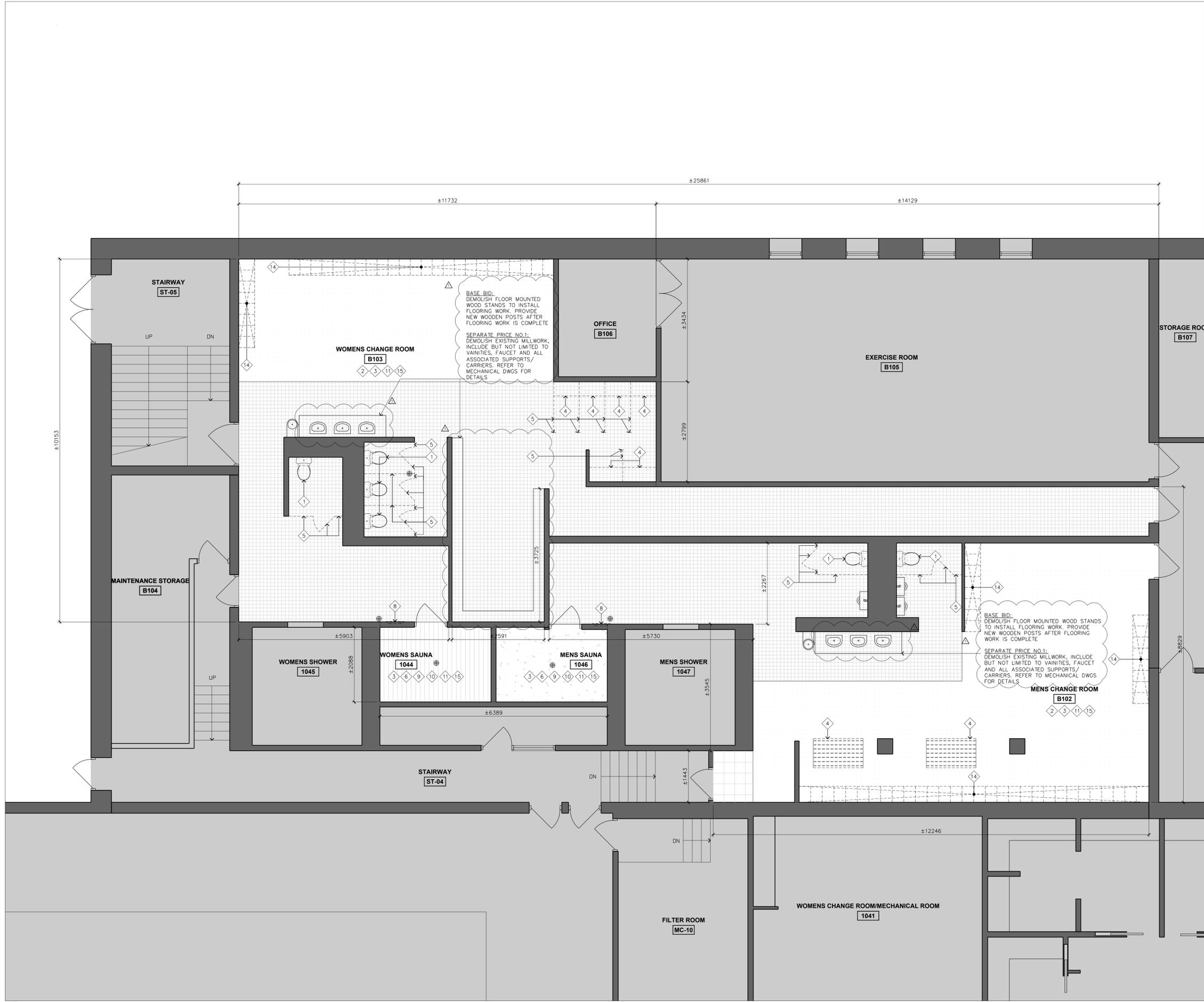
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ISSUED FOR PERMIT AND TENDER	16 SEPT 2024
ISSUED FOR CLIENTS REVIEW 50%	08 AUG 2024
ISSUED FOR CLIENTS REVIEW 60%	15 JULY 2024
ISSUED FOR CLIENTS REVIEW 65%	08 JULY 2024



McMURCHY R. C. CHANGEROOM RENOVATION
Address: 247 McMURCHY AVE. S, BRAMPTON, ON
DEMOLITION PLAN CLINIC CHANGE ROOMS

project no.: 2472
scale: 1:50
date: APRIL 2024

drawing no.: **A1.2**



general notes:

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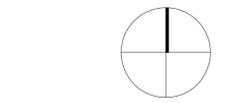
FLOOR PATTERN PLAN LEGEND

-  OUTSIDE SCOPE OF WORK
-  PROVIDE 2"x2" POR-1 PORCELAIN TILES WITH CEMENTITIOUS TOPPING AT 2% SLOPE TO DRAIN

GENERAL FLOOR PATTERN PLAN NOTES:

- ADD LEVELING COMPOUND AND PREPARE FOR NEW FLOOR FINISHES AND SLOPE FLOOR TO DRAIN WHEN REQUIRED. PATCH HOLES, GRIND DOWN PROTRUSIONS.
- COORDINATE WITH CONSULTANT FINAL LOCATION FOR ALL NEW FLOOR DRAINS AND MECHANICAL ACCESS PANELS. ENSURE TO PROVIDE POSITIVE DRAINAGE.
- CUT EXISTING CONCRETE FLOOR AS REQUIRED FOR NEW PLUMBING CONNECTIONS. REFER TO MECH DWGS FOR DETAILS. PROVIDE SLAB ON GRADE CONCRETE. SLOPE FINISH CONCRETE TO DRAIN AS REQ'D. PREP CONCRETE FOR NEW FLOORING AS REQ'D. (TYP)
- CONTRACTOR TO REINSTALL ALL FURNITURE INCLUDING AND NOT LIMITED TO LOCKERS, BENCHES, TOILET PARTITIONS, MILLWORK AND ETC.
- PROVIDE A THRESHOLD ALL TRANSITIONS BETWEEN NEW TILE OR FLOORING AND ADJACENT FLOOR SURFACES TO ENSURE A SEAMLESS AND SAFE INTERFACE.

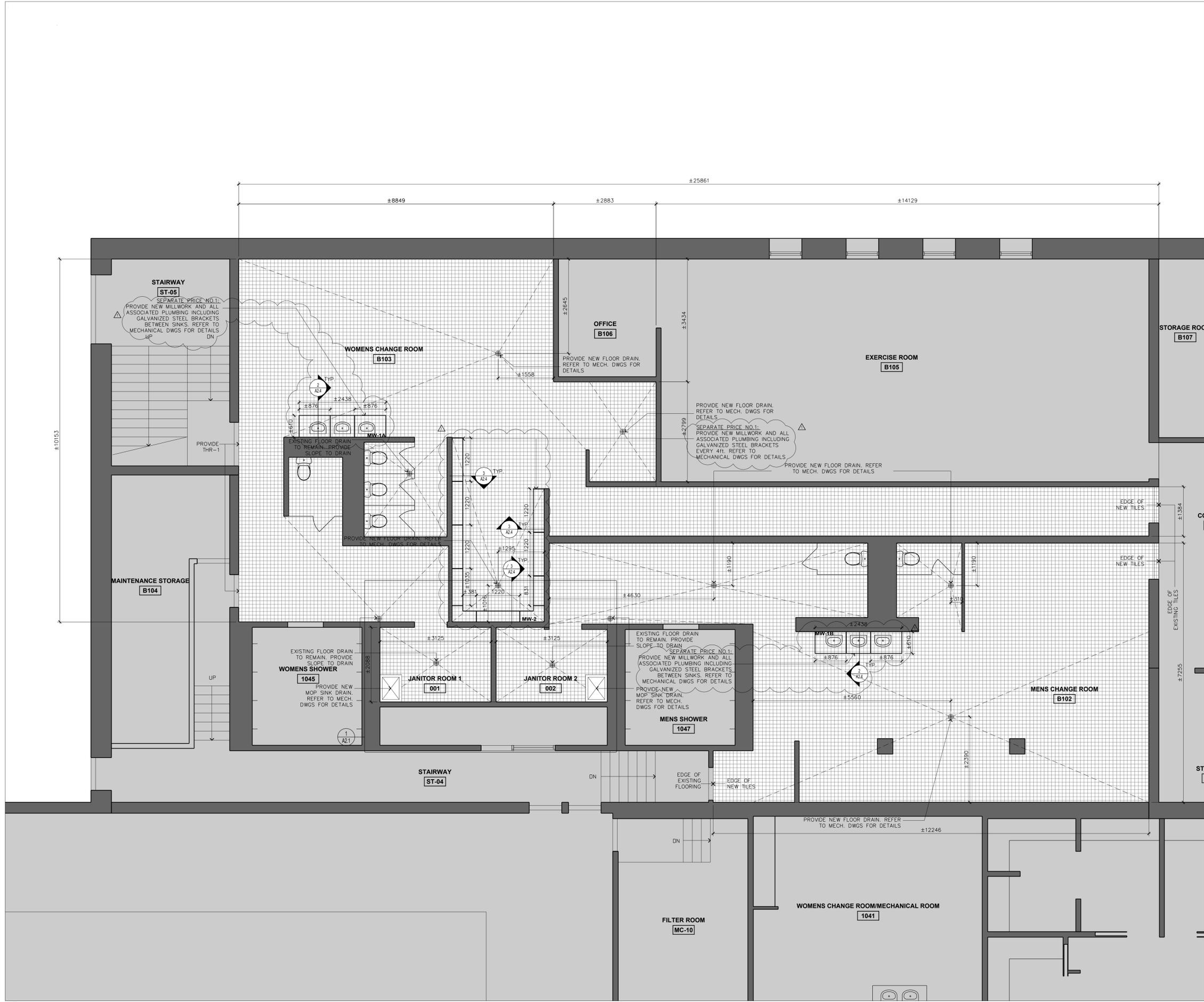
revision	date
ISSUED FOR APPROVAL/NOI	05 MAY 2024
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ISSUED FOR CLIENTS REVIEW 65%	08 JULY 2024



McMURCHY R. C. CHANGEROOM RENOVATION
Address: 247 McMURCHY AVE. S, BRAMPTON, ON
PROPOSED FLOOR PATTERN PLAN CLINIC CHANGE ROOMS

project no.: 2472
scale: 1:50
date: APRIL 2024

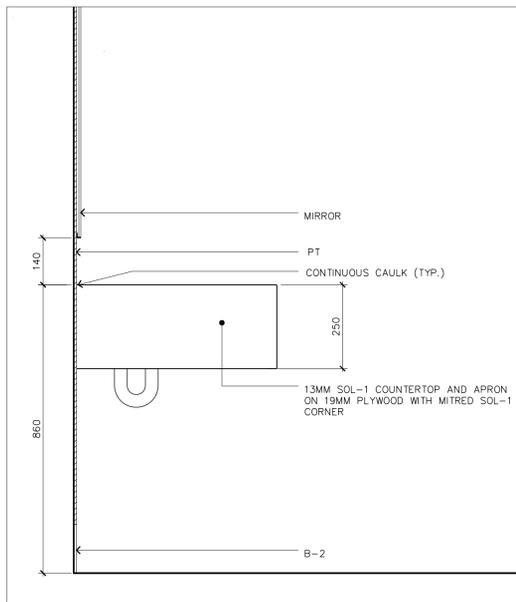
drawing no.: **A2.1**



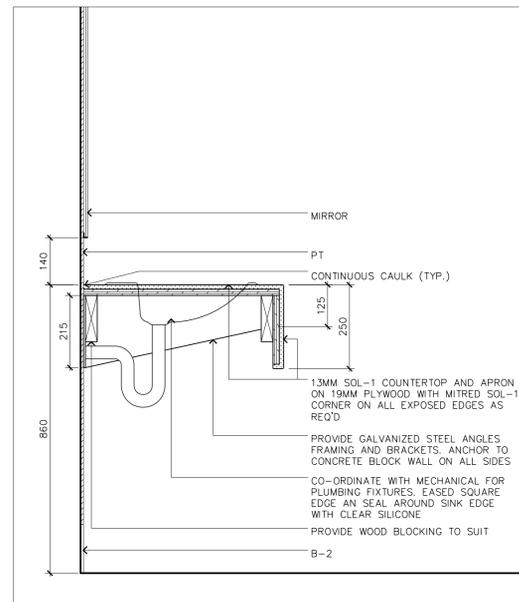
1 A2.1 PROPOSED FLOOR PATTERN PLAN CLINIC CHANGE ROOMS 1:50

general notes :

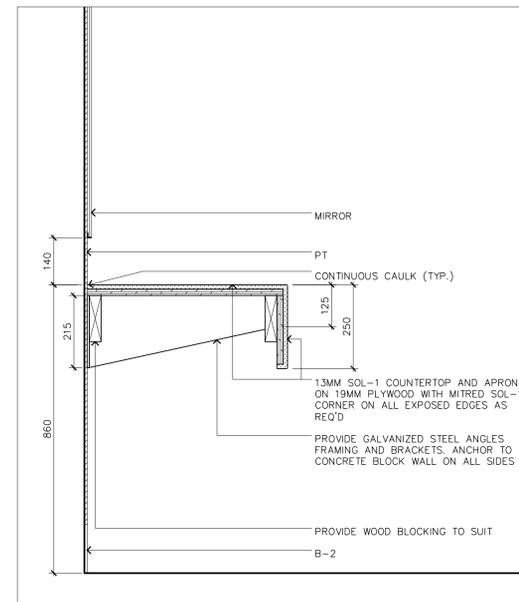
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1
A24
TYPICAL MW-1A, MW-1B AND MW-2
1:10



2
A24
TYPICAL MW-1A AND MW-1B SECTION DETAIL
1:10



3
A24
TYPICAL MW-2 SECTION DETAIL
1:10

ISSUED FOR ADDENDUM NO.	DATE

**McMURCHY R. C.
CHANGEROOM RENOVATION**
Address: 247 McMURCHY AVE. S, BRAMPTON, ON
MILLWORK DETAILS

project no. : 242
scale : 1:10
date : APRIL 2024
drawing no. :

GENERAL ELECTRICAL CONDITIONS

1. CONTRACTOR IS RESPONSIBLE FOR ALL WORK, LABOUR, MATERIALS, TESTING TO DELIVER A COMPLETE AND FUNCTIONAL SYSTEMS, READY FOR OPERATION.
2. PERFORM WORK IN A CLEAN AND WORKMANLIKE MANNER. EXERCISE CARE TO DISRUPTION TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS AS REQUIRED TO CONTAIN DUST AND DEBRIS WITHIN THE CONSTRUCTION AREA.
3. THE DRAWINGS ARE INTENDED TO BE DIAGRAMMATIC AND ARE DEVELOPED ON THE INDICATED BASIS OF DESIGN EQUIPMENT. ALL ITEMS MAY NOT BE SHOWN OR NOT SHOWN IN THEIR EXACT LOCATION, OR WITH EXACT DIMENSIONS AND DETAILS. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.
4. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK. WHERE DISCREPANCIES OCCUR BETWEEN THESE DOCUMENTS AND EXISTING CONDITIONS, REPORT THE CONDITIONS AND/OR ENGINEER.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF THEIR OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES.
6. PRIOR TO STARTING CONSTRUCTION, DETERMINE EXACT SIZE, DEPTH AND LOCATION OF EXISTING UTILITIES WHERE CONNECTIONS ARE TO BE MADE OR INTERSECTIONS OCCUR. NOTIFY ENGINEER OF ANY DISCREPANCY BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS.
7. CONSTRUCT WORK TO ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK. CORRECT ANY WORK IN VIOLATION OF ABOVE.
8. INSTALL OR ERECT PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. OBTAIN WRITTEN INSTRUCTIONS DIRECTLY FROM MANUFACTURER.
9. PROVIDE AND MAINTAIN TEMPORARY FIRE PROTECTION DURING PERFORMANCE OF THE WORK.
10. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. PROVIDE SLEEVES AND ACCESS DOORS REQUIRED FOR THE SERVICING OF CONCEALED EQUIPMENT.
11. REMOVE AND RELOCATE EXISTING WORK AS REQUIRED, NECESSARY FOR THE PERFORMANCE OF THE GENERAL WORK. ALL EXISTING CONDITIONS MAY NOT BE COMPLETELY DETAILED ON THE DRAWINGS. CONTRACTOR TO SURVEY THE SITE AND INCLUDE ALL CHANGES IN MAKING UP THE WORK PROPOSAL.
12. SEAL ALL OPENINGS AROUND CABLED AND CONDUITS THROUGH PARTITIONS AND WALLS WITH APPROVED FIRESTOPPING MATERIAL.
13. CUT, PATCH AND REPAIR ALL OPENINGS IN EXISTING SURFACES AND STRUCTURES REQUIRED FOR EXECUTION OF THE WORK.
14. CONSTRUCT WORK IN A MANNER SATISFACTORY TO THE OWNER.
15. CLEAN FROM ALL FIXTURES AND EQUIPMENT DUST, DIRT, FINGER-PRINTS, PAINT, GREASE, CONSTRUCTION AND DEMOLITION DEBRIS. CLEAN AND TOUCH UP SURFACES OF SHOP-PAINTED EQUIPMENT SCRATCHED OR MARRED DURING SHIPMENT OR INSTALLATION, TO MATCH ORIGINAL FINISH.
16. COORDINATE WORK OF OTHER TRADES (MECHANICAL, SPRINKLER, STRUCTURAL, ETC.). ENSURE THAT PROPER ARRANGEMENTS AND PROVISIONS ARE MADE FOR THIS WORK. COORDINATE ELECTRICAL REQUIREMENTS OF ALL OWNER-SUPPLIED EQUIPMENT PRIOR TO ROUGH-IN.

SUBSTITUTIONS

1. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY ENGINEER. ALTERNATES MAY BE SUBMITTED IN PLACE OF SPECIFIED MECHANICAL EQUIPMENT. CONTRACTOR SHALL INCLUDE ALL SPECIFIED MAJOR EQUIPMENT IN THE BASE BID AND SHOW LINE ITEM PRICE REDUCTIONS FOR PROPOSED ALTERNATES. ALTERNATES FOR MINOR EQUIPMENT MAY BE SUBSTITUTED WITHOUT PRESENTING LINE ITEM PRICE REDUCTIONS. FINAL APPROVAL OF ALL ALTERNATES SUBJECT TO OWNER/ENGINEER REVIEW. SUBMIT ALL REQUESTED INFORMATION TO ENGINEER FOR REVIEW OF ALTERNATES.
2. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS RELATED TO SUBSTITUTION TO DELIVER A COMPLETE AND FUNCTIONAL SYSTEM, READY FOR OPERATION. THIS INCLUDES CHANGES IN DUCT OR PIPING ARRANGEMENT OR SIZE, ELECTRICAL REQUIREMENTS (OVERCURRENT PROTECTION, WIRING, INTERLOCKS), REQUIRED ANCILLARY COMPONENTS, ADDITIONAL SUPPORTS, ETC.

PERMITS

1. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.

SUBMITTALS

1. SUBMIT EQUIPMENT AND FIXTURE SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO PURCHASE, INSTALLATION OR FABRICATION. DO NOT PROCEED UNTIL REVIEWED SHOP DRAWINGS ARE RETURNED FROM THE ENGINEER.
2. SUBSTITUTION OF ANY EQUIPMENT, HARDWARE OR FIXTURES WITHOUT PRIOR APPROVAL FROM THE ENGINEER IS PROHIBITED AND AT CONTRACTOR'S OWN RISK.
3. SHOP DRAWINGS TO CLEARLY INDICATE PROJECT NAME, EQUIPMENT NAME, RELEVANT DETAILS REQUIRED FOR REVIEW TO CONFIRM DESIGN INTENT.

COMMISSIONING

1. TEST, ADJUST, STARTUP, AND PLACE INTO PROPER OPERATION ALL EQUIPMENT AND SYSTEMS INSTALLED UNDER THIS CONTRACT. PRIOR TO STARTUP ENSURE EQUIPMENT IS FREE OF DUST AND DEBRIS, ALL BEARINGS ARE LUBRICATED AND ALL PRECAUTIONS HAVE BEEN FOLLOWED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

DEMONSTRATION AND TRAINING

1. DEMONSTRATE START-UP, OPERATION, CONTROL, ADJUSTMENT, TROUBLESHOOTING, SERVICING, AND MAINTENANCE OF EQUIPMENT AND SYSTEMS TO OWNER PERSONNEL. THIS INSTRUCTION IS TO BE BASED ON DATA INCLUDED IN THE OPERATIONS AND MAINTENANCE MANUALS (PREPARE AND INSERT ADDITIONAL DATA IN MANUALS WHEN NEED FOR ADDITIONAL DATA BECOMES APPARENT DURING INSTRUCTIONS). TRAINING MATERIAL TO INCLUDE "AS-BUILT" DRAWINGS, OPERATION MANUALS, AND MAINTENANCE MANUALS. OBJECTIVE OF TRAINING IS TO PROVIDE:
 - 1.1. SAFE, RELIABLE, COST-EFFECTIVE, ENERGY-EFFICIENT OPERATION OF SYSTEMS UNDER ALL CONDITIONS.
 - 1.2. EFFECTIVE ON-GOING INSPECTION AND MEASUREMENTS OF SYSTEM PERFORMANCE.

- 1.3. PROPER PREVENTATIVE MAINTENANCE, DIAGNOSIS, AND TROUBLE-SHOOTING.
- 1.4. ABILITY TO UPDATE DOCUMENTATION.

CLOSEOUT DOCUMENTATION

1. SUBMIT A SET OF AS-BUILT DRAWINGS TO OWNER/ENGINEER.
2. PROVIDE COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS FOR ALL EQUIPMENT SUPPLIED. PROVIDE IN OWNER PREFERRED FORMAT.

EQUIPMENT AND WIRING

1. MATERIALS AND EQUIPMENT: ALL ELECTRICAL PRODUCTS SHALL BE TESTED, CERTIFIED, AND LABELED IN ACCORDANCE WITH A CERTIFICATION PROGRAM ACCREDITED BY THE STANDARDS COUNCIL OF CANADA, CSA. WHERE A PRODUCT IS NOT SO LABELED, PROVIDE WRITTEN APPROVAL BY THE AUTHORITY HAVING JURISDICTION. WHERE CSA CERTIFIED MATERIAL AND/OR EQUIPMENT IS NOT AVAILABLE, OBTAIN SPECIAL APPROVAL FROM AUTHORITY HAVING JURISDICTION.
2. MOTORS, ELECTRIC HEATING, CONTROLS AND DISTRIBUTION DEVICES AND EQUIPMENT TO OPERATE SATISFACTORILY AT 60HZ WITHIN NORMAL OPERATING LIMITS ESTABLISHED BY CAN3-C235 (PREFERRED VOLTAGE LEVELS FOR AC SYSTEMS, 0 TO 50,000V). EQUIPMENT TO OPERATE IN EXTREME OPERATING CONDITIONS ESTABLISHED IN ABOVE STANDARD AT 40°C AMBIENT WITHOUT DAMAGE TO EQUIPMENT.
3. VERIFY INSTALLATION AND COORDINATION RESPONSIBILITIES RELATED TO MOTORS, EQUIPMENT AND CONTROLS. CONTROL WIRING TO BE PROVIDED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE.
4. WARNING SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.
5. WIRING AND RACEWAYS:
 - 5.1. CONDUCTORS TO BE COPPER, MINIMUM SIZE: 12 AWG.
 - 5.2. CONDUCTORS SIZED AS NOTED WITH 600V INSULATION IN ACCORDANCE WITH LATEST ELECTRICAL CODE.
 - 5.3. PROVIDE BOXES AND FITTINGS SUITABLE FOR INTENDED USE AND AREA INSTALLED.
 - 5.4. ENSURE LUGS, TERMINALS, SCREWS USED FOR TERMINATION OF WIRING ARE SUITABLE FOR EITHER COPPER OR ALUMINUM CONDUCTORS.
 - 5.5. BOND AND GROUND AS REQUIRED TO LATEST EDITION OF ONTARIO ELECTRICAL SAFETY CODE.
6. CONFIRM FINISHES OF EQUIPMENT DURING SHOP DRAWING SUBMITTALS.
7. COORDINATE WITH ENGINEER. OWNER MAY CHANGE LOCATION OF OUTLETS PRIOR TO INSTALLATION WITH NO CHANGE TO CONTRACT PRICE, PROVIDED DISTANCE DOES NOT EXCEED 10' FROM ORIGINAL LOCATION.
8. MECHANICAL EQUIPMENT CONNECTIONS: PROVIDE CONNECTIONS TO MECHANICAL EQUIPMENT AS PER DRAWINGS
9. HANGERS AND SUPPORTS: INSTALL FASTENING AND SUPPORTS AS REQUIRED FOR EACH TYPE OF EQUIPMENT, CABLES, AND CONDUITS, IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS.
 - 9.1. SECURE EQUIPMENT TO HOLLOW MASONRY, TILE AND PLASTER SURFACES WITH LEAD ANCHORS

- 9.2. SECURE EQUIPMENT TO POURED CONCRETE WITH EXPANDABLE INSERTS
- 9.3. SECURE EQUIPMENT TO HOLLOW MASONRY WALLS OR SUSPENDED CEILINGS WITH TOGGLE BOLTS
- 9.4. FASTEN EXPOSED CONDUIT OR CABLES TO BUILDING CONSTRUCTION OR SUPPORT SYSTEM USING STRAPS
- 9.5. FOR SURFACE MOUNTING OF TWO OR MORE CONDUITS USE UNISTRUT CHANNELS.
- 9.6. PROVIDE METAL BRACKETS, FRAMES, HANGERS, CLAMPS, AND RELATED TYPES OF SUPPORT STRUCTURES WHERE INDICATED OR AS REQUIRED TO SUPPORT CONDUIT AND CABLE RUNS.
- 9.7. ENSURE ADEQUATE SUPPORT FOR RACEWAYS AND CABLES DROPPED VERTICALLY TO EQUIPMENT WHERE THERE IS NO SUPPORT WALL
- 9.8. DO NOT USE SUPPORTS OR EQUIPMENT INSTALLED FOR OTHER TRADES FOR CONDUIT OR CABLE SUPPORT EXCEPT WITH PERMISSION OF OTHER TRADES AND APPROVAL OF ENGINEER.

LIGHTING

1. FIXTURE TYPES TO BE AS PER LIGHTING FIXTURES SCHEDULE ON DRAWINGS.
2. LOCATE AND INSTALL LUMINAIRES AS INDICATED WITH A SEPARATE NEUTRAL FOR EACH LIGHTING CIRCUIT, REFERRING TO DRAWINGS FOR SPECIAL WIRING INSTRUCTIONS.
3. WIRE TO LIGHTING CONTROLS AS INDICATED ON DRAWINGS AND MANUFACTURER'S INSTRUCTIONS.
4. CONTRACTOR TO CARRY ALL COSTS FOR REVIEW OF ALTERNATE LIGHTING PACKAGES AND PHOTOMETRIC CALCULATIONS. DELAYS RESULTING FROM ANY ALTERNATES OR UNAPPROVED EQUALS WILL NOT BE ACCEPTED AND TEMPORARY LIGHTING WILL NEED TO BE SUPPLIED AT NO ADDITIONAL COSTS TO OWNER.
5. CONFIRM COMPATIBILITY AND INTERFACE WITH OTHER MATERIALS WITH LUMINAIRE AND CEILING SYSTEM.
6. REPORT DISCREPANCIES TO THE ENGINEER AND DEFER ORDERING UNTIL CLARIFIED.
7. COORDINATE WITH MECHANICAL TO AVOID CONFLICTS BETWEEN LUMINAIRES, SUPPORTS AND FITTINGS, AND MECHANICAL EQUIPMENT. DO NOT SUSPEND FIXTURES FROM MECHANICAL EQUIPMENT, PIPES, OR DUCTS. WHERE FIXTURES ARE LOCATED BELOW DUCTS, SUSPEND FIXTURE FROM UNISTRUT TRAPEZE.
8. INSTALL RECESSED FIXTURES TO PERMIT REMOVAL FROM BELOW, TO GAIN ACCESS TO OUTLET OR PRE-WIRED FIXTURE BOX. CONNECT RECESSED FIXTURES TO BOXES WITH FLEXIBLE CONDUIT AND APPROVED FIXTURE WIRE.
9. SUPPLY RECESSED FIXTURES COMPLETE WITH TRIM TYPE REQUIRED FOR CEILING SYSTEM INSTALLED. BEFORE ORDERING, CONFIRM THE CEILING CONSTRUCTION DETAILS AND ARCHITECTURAL FINISH FOR EACH AREA.
10. PROVIDE SWITCHES, PHOTOELECTRIC CONTROLS, TIMERS, AND RELAYS FOR LIGHTING CIRCUITS AND LUMINAIRES AS INDICATED ON DRAWINGS.
11. PROVIDE ADEQUATE SUPPORTS FOR LUMINAIRES. USE CHAIN OR RODS FOR SUSPENDED LUMINAIRES. DO NOT SUPPORT LUMINAIRES OVER 5KG IN WEIGHT FROM OUTLET BOXES.
12. COORDINATE LUMINAIRE INSTALLATION WITH ARCHITECTURAL DETAILS, REFLECTED CEILING PLANS AND MECHANICAL EQUIPMENT. INSTALL ACCURATELY IN LINE AND LEVEL, TO PRESENT A NEAT APPEARANCE AND AVOID CONFLICTS.

LIGHTING FIXTURE SCHEDULE													
TAG	QTY	DESCRIPTION	LUMINOUS FLUX [lm]	MOUNTING HEIGHT [mm]	LIGHT SOURCE	COLOUR TEMPERATURE [K]	POWER [W]	VOLTAGE [V/Ph/Hz]	CRI	LLF	MAKE	MODEL	NOTES
F1	4	LINEAR STRIP	2500		LED	4000		120	80		BJ TAKE	BLSP1-4'-2.5L-840-UNV-G1	

LIGHTING & POWER SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	LIGHTING FIXTURE
	SWITCH WATTSTOPPER DSW-301-W, WHITE, DUAL TECH OCCUPANCY SENSOR, WITH WALLPLATE EATON 93401.
	120V-15A, 1Φ-2W GFI GROUNDED DUPLEX RECEPTACLE.

C	TENDER ADDENDUM - 1	2025-05-07
B	PERMIT	2024-09-10
A	TENDER	2024-08-08
-	REVIEW	2024-07-09
REV.	DESCRIPTION	DATE



JDX Advance Services Inc.
 687 Barton Street, Suite 106
 Stoney Creek, Ontario
 289-329-0918
 www.JDXadvance.com

CLIENT: **CHERIE NG ARCHITECT**

OWNER: **CITY OF BRAMPTON**
 2 WELLINGTON ST WEST
 BRAMPTON, ON L6Y 4R2

SEAL	SEAL

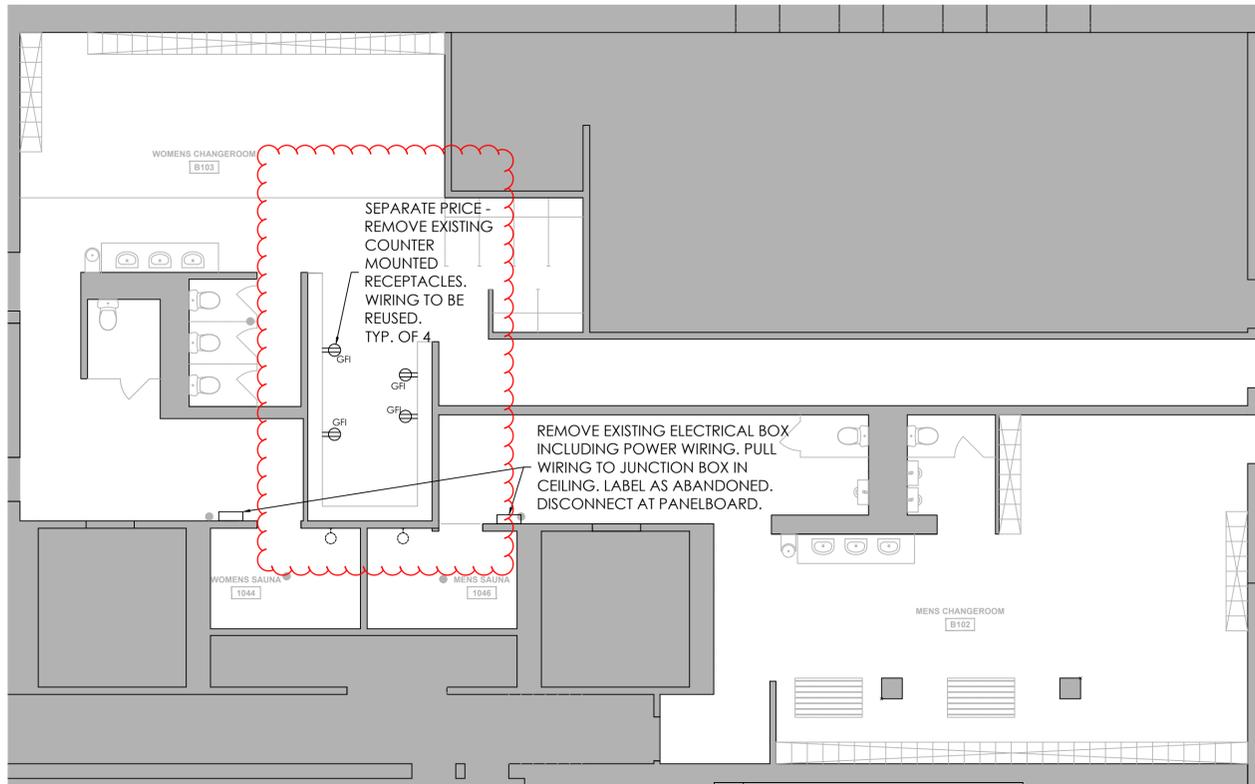
DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES

SITE: **MCMURCHY R. C. CLINIC**
 247 MCMURCHY AVE S.
 BRAMPTON, ON L6Y 2E6

PROJECT: MCMURCHY CHANGE ROOMS

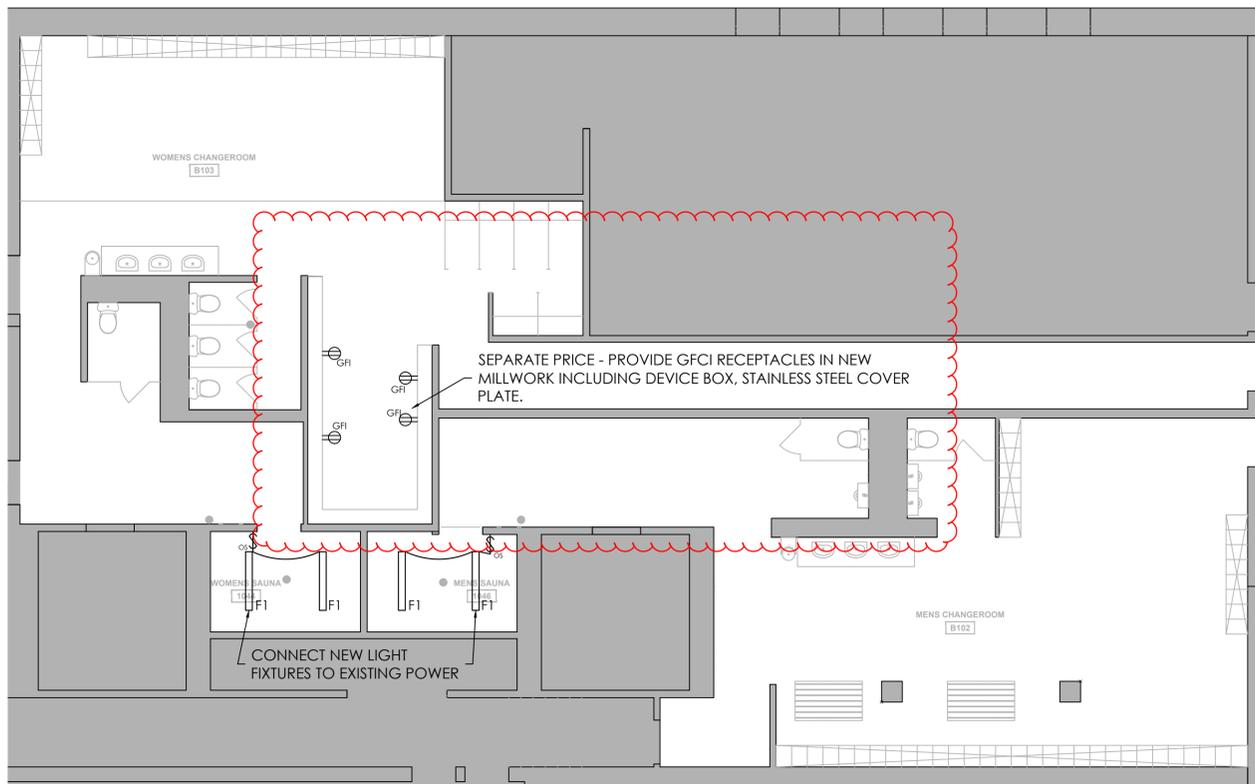
TITLE: **ELECTRICAL**
 NOTES AND SCHEDULES

-	AR	JD
SCALE AT ANSI D:	DRAWN:	CHECKED:
24140	E100	C
PROJECT NO:	DRAWING NO:	REVISION:



LIGHTING AND POWER - EXISTING

1:75



LIGHTING AND POWER - RETROFIT

1:75

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SEAL	SEAL
DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES	

SITE: **MCMURCHY R. C. CLINIC**
 247 MCMURCHY AVE S.
 BRAMPTON, ON L6Y 2E6

PROJECT: **MCMURCHY CHANGE ROOMS**

TITLE: **ELECTRICAL**
 LIGHTING AND POWER LAYOUT

1:75	AR	JD
SCALE AT ANSI D:	DRAWN:	CHECKED:
24140	E101	C
PROJECT NO:	DRAWING NO:	REVISION:

GENERAL MECHANICAL CONDITIONS

- CONTRACTOR IS RESPONSIBLE FOR ALL WORK, LABOUR, MATERIALS, TESTING TO DELIVER A COMPLETE AND FUNCTIONAL SYSTEMS, READY FOR OPERATION.
- PERFORM WORK IN A CLEAN AND WORKMANLIKE MANNER. EXERCISE CARE TO DISRUPTION TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS AS REQUIRED TO CONTAIN DUST AND DEBRIS WITHIN THE CONSTRUCTION AREA.
- THE DRAWINGS ARE INTENDED TO BE DIAGRAMMATIC AND ARE DEVELOPED ON THE INDICATED BASIS OF DESIGN EQUIPMENT. ALL ITEMS MAY NOT BE SHOWN OR NOT SHOWN IN THEIR EXACT LOCATION, OR WITH EXACT DIMENSIONS AND DETAILS. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.
- OBTAIN
- FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK. WHERE DISCREPANCIES OCCUR BETWEEN THESE DOCUMENTS AND EXISTING CONDITIONS, REPORT THE CONDITIONS AND/OR ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF THEIR OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES.
- PRIOR TO STARTING CONSTRUCTION, DETERMINE EXACT INVERT ELEVATION, SIZE, DEPTH AND LOCATION OF EXISTING UTILITIES WHERE CONNECTIONS ARE TO BE MADE OR INTERSECTIONS OCCUR. NOTIFY ENGINEER OF ANY DISCREPANCY BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS.
- CONSTRUCT WORK TO ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK. CORRECT ANY WORK IN VIOLATION OF ABOVE.
- INSTALL OR ERECT PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. OBTAIN WRITTEN INSTRUCTIONS DIRECTLY FROM MANUFACTURER.
- PROVIDE AND MAINTAIN TEMPORARY FIRE PROTECTION DURING PERFORMANCE OF THE WORK.
- MANUFACTURER AND/OR THIRD-PARTY AGENT AS NOTED IN DRAWINGS.
- INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. PROVIDE SLEEVES AND ACCESS DOORS REQUIRED FOR THE SERVICING OF CONCEALED EQUIPMENT.
- REMOVE AND RELOCATE EXISTING WORK AS REQUIRED, NECESSARY FOR THE PERFORMANCE OF THE GENERAL WORK. ALL EXISTING CONDITIONS MAY NOT BE COMPLETELY DETAILED ON THE DRAWINGS. CONTRACTOR TO SURVEY THE SITE AND INCLUDE ALL CHANGES IN MAKING UP THE WORK PROPOSAL.
- SEAL ALL OPENINGS AROUND PIPES & DUCTS THROUGH PARTITIONS AND WALLS WITH APPROVED FIRESTOPPING MATERIAL.
- CONSTRUCT WORK IN A MANNER SATISFACTORY TO THE OWNER.
- REMOVE AND DISPOSE OF ALL EXISTING EQUIPMENT AS INDICATED, AS REQUIRED TO COMPLETE SCOPE OF WORK. VISIT SITE AND VERIFY SCOPE PRIOR TO SUBMITTING BID.
- CLEAN FROM ALL FIXTURES AND EQUIPMENT DUST, DIRT, FINGER-PRINTS, PAINT, GREASE, CONSTRUCTION AND DEMOLITION DEBRIS. CLEAN AND TOUCH UP SURFACES OF SHOP-PAINTED EQUIPMENT SCRATCHED OR MARRED DURING SHIPMENT OR INSTALLATION, TO MATCH ORIGINAL FINISH.
- COORDINATE WORK OF OTHER TRADES (ELECTRICAL, SPRINKLER, STRUCTURAL, ETC.). ENSURE THAT PROPER ARRANGEMENTS AND PROVISIONS ARE MADE FOR THIS WORK. COORDINATE MECHANICAL REQUIREMENTS OF ALL OWNER-SUPPLIED EQUIPMENT PRIOR TO ROUGH-IN.

SUBSTITUTIONS

- ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY ENGINEER. ALTERNATES MAY BE SUBMITTED IN PLACE OF SPECIFIED MECHANICAL EQUIPMENT. CONTRACTOR SHALL INCLUDE ALL SPECIFIED MAJOR EQUIPMENT IN THE BASE BID AND SHOW LINE ITEM PRICE REDUCTIONS FOR PROPOSED ALTERNATES. ALTERNATES FOR MINOR EQUIPMENT MAY BE SUBSTITUTED WITHOUT PRESENTING LINE

ITEM PRICE REDUCTIONS. FINAL APPROVAL OF ALL ALTERNATES SUBJECT TO OWNER/ENGINEER REVIEW. SUBMIT ALL REQUESTED INFORMATION TO ENGINEER FOR REVIEW OF ALTERNATES.

- CONTRACTOR IS RESPONSIBLE FOR ALL COSTS RELATED TO SUBSTITUTION TO DELIVER A COMPLETE AND FUNCTIONAL SYSTEM, READY FOR OPERATION. THIS INCLUDES CHANGES IN DUCT OR PIPING ARRANGEMENT OR SIZE, ELECTRICAL REQUIREMENTS (OVERCURRENT PROTECTION, WIRING, INTERLOCKS), REQUIRED ANCILLARY COMPONENTS, ADDITIONAL SUPPORTS, ETC.

PERMITS

- THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.

SUBMITTALS

- SUBMIT EQUIPMENT AND FIXTURE SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO PURCHASE, INSTALLATION OR FABRICATION. DO NOT PROCEED UNTIL REVIEWED SHOP DRAWINGS ARE RETURNED FROM THE ENGINEER.
- SUBSTITUTION OF ANY EQUIPMENT, HARDWARE OR FIXTURES WITHOUT PRIOR APPROVAL FROM THE ENGINEER IS PROHIBITED AND AT CONTRACTOR'S OWN RISK.
- SHOP DRAWINGS TO CLEARLY INDICATE PROJECT NAME, EQUIPMENT NAME, RELEVANT DETAILS REQUIRED FOR REVIEW TO CONFIRM DESIGN INTENT.

BALANCING

- TEST, ADJUST, BALANCE ALL AIR MOVING EQUIPMENT, AIR DISTRIBUTION, HEATING SYSTEMS, EXHAUST SYSTEMS, EXHAUST AND MAKE-UP SYSTEMS,
- TAB SHALL NOT BEGIN UNTIL ALL SYSTEMS ARE COMPLETED AND IN FULL WORKING ORDER.
- CHANGES TO FILTERS, DRIVES, AND DAMPERS OR THE ADDITION OF DAMPERS, CONTROL DEVICES OR GAUGES REQUIRED TO CORRECT BALANCE AS REQUIRED SHALL BE MADE AT NO ADDITIONAL COST TO OWNER.
- PRIOR TO TAB, ALL EQUIPMENT AND SYSTEMS SHALL BE RUN THROUGH THEIR CYCLE TO CHECK FOR CORRECT WIRING AND SEQUENCING

COMMISSIONING

- TEST, ADJUST, STARTUP, AND PLACE INTO PROPER OPERATION ALL EQUIPMENT AND SYSTEMS INSTALLED UNDER THIS CONTRACT. PRIOR TO STARTUP ENSURE EQUIPMENT IS FREE OF DUST AND DEBRIS. ALL BEARINGS ARE LUBRICATED AND ALL PRECAUTIONS HAVE BEEN FOLLOWED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. DEMONSTRATION AND TRAINING.
 - DEMONSTRATE START-UP, OPERATION, CONTROL, ADJUSTMENT, TROUBLESHOOTING, SERVICING, AND MAINTENANCE OF EQUIPMENT AND SYSTEMS TO OWNER PERSONNEL. THIS INSTRUCTION IS TO BE BASED ON DATA INCLUDED IN THE OPERATIONS AND MAINTENANCE MANUALS (PREPARE AND INSERT ADDITIONAL DATA IN MANUALS WHEN NEED FOR ADDITIONAL DATA BECOMES APPARENT DURING INSTRUCTIONS). TRAINING MATERIAL TO INCLUDE "AS-BUILT" DRAWINGS, OPERATION MANUALS, AND MAINTENANCE MANUALS. OBJECTIVE OF TRAINING IS TO PROVIDE:
 - SAFE, RELIABLE, COST-EFFECTIVE, ENERGY-EFFICIENT OPERATION OF SYSTEMS UNDER ALL CONDITIONS.
 - EFFECTIVE ON-GOING INSPECTION AND MEASUREMENTS OF SYSTEM PERFORMANCE.
 - PROPER PREVENTATIVE MAINTENANCE, DIAGNOSIS, AND TROUBLE-SHOOTING.
 - ABILITY TO UPDATE DOCUMENTATION.

CLOSEOUT DOCUMENTATION

- SUBMIT A SET OF AS-BUILT DRAWINGS TO OWNER/ENGINEER.
- PROVIDE COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS FOR ALL

EQUIPMENT SUPPLIED. PROVIDE IN OWNER PREFERRED FORMAT.

- PROVIDE A BALANCING REPORT FOR ALL AIR SYSTEMS, PREPARED BY AN INDEPENDENT TESTING AND BALANCING COMPANY.

WARRANTY

- PROVIDE A WRITTEN WARRANTY TO REPLACE OR REPAIR PROMPTLY AND ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED DUE TO DEFECTS IN WORKMANSHIP WHICH DEVELOP WITHIN ONE YEAR FROM THE DATE OF SUBSTANTIAL PERFORMANCE.

HVAC

- CARRY OUT WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS AND THE MINISTRY OF LABOUR GUIDELINES.
- CHECK AND VERIFY ALL DIMENSIONS AT THE SITE BEFORE PROCEEDING WITH ANY WORK.
- SHEET METAL WORK MUST BE PERFORMED BY LICENSED SHEET METAL WORKERS POSSESSING A VALID CERTIFICATE OF QUALIFICATION FROM AUTHORITY HAVING JURISDICTION.
- ALL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH CODE REQUIREMENT, AND TO ASHRAE AND SMACNA STANDARDS. ALL MATERIAL AND EQUIPMENT SHALL BE NEW. DUCTWORK SHALL BE OF GAUGES AS OUTLINED BY SMACNA STANDARDS. EQUIPMENT TO BE AS OUTLINED ON THE DRAWINGS.
- LOCATION OF DUCTWORK AND EQUIPMENT.
 - INSTALL AS REQUIRED FOR PROPER INSTALLATION IN AVAILABLE SPACE AVOIDING INTERFERENCE WITH ARCHITECTURAL AND STRUCTURAL MEMBERS AND WORK OF OTHER TRADES.
 - PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGE WAYS CLEAR.
 - ROUTE DUCTS IN A NEAT MANNER, SYMMETRICAL WITH BUILDING LINES, LIGHTS, CEILING TILE PATTERN, ETC.
 - DRAWINGS ARE DIAGRAMMATIC AND APPROXIMATE AND ARE SUBJECT TO REARRANGEMENT FOR PROPER INSTALLATION. DUCTWORK AND PIPING MAY BE SHOWN DISTORTED TO AVOID CONFUSION.
 - LOCATE DIFFUSERS AND GRILLES IN ACCORDANCE WITH LIGHTING AND OTHER CEILING DEVICES.
 - PROVIDE ACCESS DOORS IN FINISHES WALLS AND CEILINGS FOR ACCESS TO CONCEALED DAMPERS, EQUIPMENT.
 - MAINTAIN A CLEAN PREMISES INCLUDING REMOVAL OF SCRAPS AND INSTALLATION RELATED DEBRIS FROM AREA. LEAVE ENTIRE INSTALLATION IN A NEAT, CLEAN AND USABLE CONDITION.
 - HOIST AND SET IN PLACE OF ALL FURNISHED HEATING, AIR CONDITIONING, EXHAUST AND MAKE-UP AIR EQUIPMENT, UNLESS OTHERWISE SPECIFIED. REVIEW HOISTING AND RIGGING PLAN WITH OWNER.
 - SUPPORT ALL DUCTWORK.
 - ALL DUCT JOINTS, SEAMS, FITTINGS, ETC. SHALL BE SEALED TO SEAL CLASS A, TO ENSURE WATER AND AIR TIGHTNESS WITH DUCT SEALANT CARLISLE DUCT-SEAL 32) OR EQUAL, APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - USE DUCT SIZES AS SHOWN OR EQUIVALENT AS REQUIRED TO SUIT SITE CONDITIONS.
 - DUCT CONNECTIONS TO ALL EQUIPMENT (EXCEPT EXHAUST FANS UNDER 150 CFM) IS TO BE COMPLETE WITH FLEXIBLE DUCT CONNECTORS, DURO-DYNE SUPER METAL-FAB OR EQUAL CONSISTING OF 3", 24 GAUGE GALVANIZED SHEET METAL FRAME WITH 6" WIDE FLEXIBLE NEOPRENE FABRIC TO UL STANDARDS.
 - MOUNT ALL OPERABLE THERMOSTATS AT BARRIER FREE HEIGHT OF 1100-mm ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED.

- DUCT INSULATION: PROVIDE INSULATION TYPES AND THICKNESS ACCORDING TO TABLES.
- FIRE/SMOKE DAMPERS: DYNAMIC FIRE DAMPERS SHALL BE U.L.C. APPROVED AND INSTALLED AS PER MANUFACTURER'S REQUIREMENTS AND IN ACCORDANCE WITH OBC REQUIREMENTS. VENTEX OR EQUAL. INSTALL WHERE SHOWN OR AS NOTED ON THE DRAWING.
- LOCATE DIFFUSERS, GRILLES & REGISTERS TO SUIT LIGHTING AND CEILING PLAN.
- PROVIDE FLEXIBLE CONNECTIONS BETWEEN ALL DUCTWORK AND VIBRATING EQUIPMENT, INCLUDING FANS.
- VIBRATION ISOLATION HANGERS AND SUPPORTS SHALL BE USED TO INSTALL ALL VIBRATING EQUIPMENT, INCLUDING FANS. HYDRONIC SYSTEMS

PLUMBING AND DRAINAGE

- DOMESTIC WATER PIPING: PIPING MATERIALS AS INDICATED CONFORMING TO THE ONTARIO BUILDING CODE. DOMESTIC WATER PIPE SIZING AS SHOWN ON DRAWINGS IS BASED ON COPPER PIPING.
- WATER AND HOT WATER RECIRCULATION MAINS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
- PROVIDE ISOLATION VALVES FOR ALL PLUMBING FIXTURES.
- ALL ISOLATION VALVES 2"Ø (DIAMETER) AND SMALLER SHALL BE QUARTER-TURN BALL VALVE TYPE.
- DRAIN/WASTE/VENT (DWV) PIPING: ALL SANITARY AND VENT PIPING SHALL CONFORM TO THE ONTARIO BUILDING CODE. PIPING MATERIALS AS INDICATED CONFORMING TO THE ONTARIO BUILDING CODE.
- PLUMBING VENT PIPING IS NOT INDICATED ON THE LAYOUT DRAWINGS. PROVIDE VENTING FOR ALL FIXTURES ACCORDING TO CODE REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FLASHING OF THE VENT PIPING RUN THROUGH THE ROOF.
- ALL STORM AND SAN PIPING SHALL BE INSTALLED AT MIN. 2% SLOPE UNLESS NOTED OTHERWISE/OTHERWISE REQUIRED BY CODE.
- ALL PIPING, FITTINGS AND VALVES INSTALLED IN A CEILING RETURN AIR PLENUM MUST HAVE A FLAME SPREAD OF 25 OR LESS AND A SMOKE DEVELOPMENT OF 50 OR LESS.
- PIPE INSULATION: PREFORMED PIPE INSULATION COMPLETE WITH VAPOUR RETARDER AND A MAXIMUM FLAME SPREAD OF 25 AND SMOKE DEVELOPED RATING OF 50 SHALL BE APPLIED TO ALL PIPING WITH THE FOLLOWING INSULATION THICKNESSES BASED ON SYSTEM TEMPERATURES.
- SITE SERVICES: EXTEND ALL SERVICES (WATER, STORM, SANITARY) FROM THE BUILDING AS SHOWN ON THE DRAWING. COORDINATE ALL INVERTS ON SITE WITH SITE SERVICING CONTRACTOR.
- ALL FLOOR DRAINS AND HUB DRAINS ARE TO BE PRIMED AND COMPLETE WITH TRAP. PROVIDE TRAP PRIMERS AS REQUIRED.
- PROVIDE CLEANOUTS AT THE BASE OF ALL SANITARY DRAINAGE AND STORM PIPING. CLEANOUTS SHALL EXTEND THROUGH AND TERMINATE FLUSH WITH THE FINISHED WALL OR FLOOR.
- PROVIDE WATER HAMMER ARRESTERS AT THE TOP OF ALL RISERS.

PIPING MATERIALS SCHEDULE			
SERVICE	MATERIAL	INSULATION	FINISH
DHW/DWC/DHWR	COPPER TYPE 'L'	PRE-FORMED FIBREGLASS W/ ASJ	PVC (where exposed to mechanical damage)
SANITARY DRAINAGE	SYSTEM 15 PVC/XFR PVC IN PLENUM		

DIFFUSER AND GRILLE SCHEDULE									
TAG	QUANTITY	DESCRIPTION	AIR FLOW	NECK SIZE	DIMENSIONS [W/H]	WEIGHT	MAKE	MODEL	NOTES
			[L/s]	[mm]	[mm]	[kg]			
E1	AS INDICATED	EXHAUST GRILLE - CEILING	AS INDICATED	N/A	AS INDICATED		PRICE	500	WHITE FINISH

PLUMBING FIXTURE SCHEDULE									
SYMBOL	QUANTITY	DESCRIPTION	PROVIDE THE FOLLOWING SIZE BRANCH CONNECTION TO THE DISTRIBUTION MAIN - UNLESS OTHERWISE SPECIFIED				REMARKS	COMPONENT	SPECIFICATION
			CW	HW	SAN	VENT			
MS	2	MOP SINK	12 (1/2")	12 (1/2")	75 (3")	40 (1-1/2")		MOP BASIN	CA-EVC2424P-J-C STAINLESS STEEL MOP BASIN, TYPE 304, 16 GAUGE, 610 X 610 X 254/106 MM (24 X 24 X 10 1/8 IN), #4 FINISH INTERNAL SURFACES, RIM AND BACKSPASH PANEL, CORNER INSTALLATION, FRONT SKIRT, 152 MM (6 IN) HIGH INTEGRATED BACKSPASH, CENTER DRAIN, PRESLOPPED, INTERIOR SQUARE CORNERS, 38 MM (1 1/2 IN) FLATTENED RIM, DN 76 MM (3 IN) STAINLESS STEEL DOME STRAINER/LINT BASKET WITH LOCKING NUT, NEOPRENE GASKET FOR PUSH-ON CONNECTIONS.
FD	6	FLOOR DRAIN	-	-	100 (4")	40 (1-1/2")		FLOOR DRAIN	Z1996-MH 610 X 76 MM (24 X 3") STAINLESS STEEL MOP HANGER, WITH 3 WALL HOOKS.
CO	1	FLOOR CLEANOUT	-	-	-	-		FLOOR CLEANOUT	ZN400 "LEVEL-TROL" ADJUSTABLE FLOOR CLEANOUT, DURA-COATED CAST IRON BODY WITH GAS AND WATERTIGHT ABS TAPERED THREAD PLUG AND ROUND SCORiated CAST IRON EXTERIOR, 2-1/8" TRAPWAY, BOLT CAPS, 1-1/2" TOP SPUD CONNECTION, 1.28 US GAL PER FLUSH OR 1.61 L US GALLON PER FLUSH DUAL FLUSH.
WC1	5	TOILET	15 (1/2")		80 (3")	40 (1-1/2")		TOILET BOWL	AMERICAN STANDARD MADERA FLOWISE 3451001 VITREOUS CHINA TOILET WITH EVERCLEAN, FLOOR MOUNT FLUSHOMETER VALVE TOILET, 15" IN HEIGHT, SIPHON JET ACTION, FULLY GLAZED 2-1/8" TRAPWAY, BOLT CAPS, 1-1/2" TOP SPUD CONNECTION, 1.28 US GAL PER FLUSH OR 1.61 L US GALLON PER FLUSH DUAL FLUSH. FIELD VERIFY FIT AND USE OF EXISTING DRAIN FLANGE.
			15 (1/2")					FLUSH VALVE	AMERICAN STANDARD 6147122 ULTIMA MANUAL TOILET FLUSH VALVE, DIAPHRAGM-TYPE, 1.28 GPF/4.8 LPF, 27-INCH ROUGH-IN, FOR FLUSHOMETER BOWLS WITH 1-1/2-INCH (38 MM) EXPOSED TOP SPUD EXCLUSIVE DYNACLEAN SELF-CLEANING WIPER SPRING. EVOLAST PREMIUM CHLORINE- AND CHLORAMINE-RESISTANT DIAPHRAGM CAN BE INSTALL LEFT- OR RIGHT-HANDED
WC2	1	BARRIER FREE TOILET	15 (1/2")		80 (3")	40 (1-1/2")		TOILET BOWL	CENTOCO 1500STS001 COMMERCIAL HEAVY DUTY TOILET SEAT, POLYPROPYLENE ELONGATED SEAT, OPEN FRONT, COVERLESS, STAINLESS STEEL BOLD MATERIAL AND HARDWARE MATERIAL, WHITE.
			15 (1/2")					FLUSH VALVE	AMERICAN STANDARD 6147122 ULTIMA MANUAL TOILET FLUSH VALVE, DIAPHRAGM-TYPE, 1.28 GPF/4.8 LPF, 27-INCH ROUGH-IN, FOR FLUSHOMETER BOWLS WITH 1-1/2-INCH (38 MM) EXPOSED TOP SPUD EXCLUSIVE DYNACLEAN SELF-CLEANING WIPER SPRING. EVOLAST PREMIUM CHLORINE- AND CHLORAMINE-RESISTANT DIAPHRAGM CAN BE INSTALL LEFT- OR RIGHT-HANDED
								TOILET SEAT	CENTOCO 1500STS001 COMMERCIAL HEAVY DUTY TOILET SEAT, POLYPROPYLENE ELONGATED SEAT, OPEN FRONT, COVERLESS, STAINLESS STEEL BOLD MATERIAL AND HARDWARE MATERIAL, WHITE.
L1	6	LAVATORY	12 (1/2")	12 (1/2")	32 (1-1/4")	32 (1-1/4")		FAUCET	AMERICAN STANDARD MONTERREY CAST 4-INCH CENTERSET SINGLE-HANDLE FAUCET 6114114.002, CAST BRASS CENTERSET BODY WITH METAL LEVER HANDLE, WASHERLESS CERAMIC DISC VALVE CARTRIDGE ASSURES DRIP FREE PERFORMANCE. 1/2" (13 MM) MALE THREADED INLET SHANKS WITH QUICK SPIN NUTS. ADJUSTABLE HOT LIMIT SAFETY STOP HELPS PREVENT ACCIDENTAL SCALDING. 0.35 GPM/1.3 LPM PRESSURE-COMPENSATING VR MULTI-LAMINAR SPRAY.
								P-TRAP	CHROME-PLATED CAST BRASS (COPPER ALLOY) BODY P-TRAP WITH CLEANOUT, TUBULAR BRASS WALL BEND, 32MM (1-1/4") INLET, 32MM (1-1/4") OUTLET WITH WALL FLANGE.
								SUPPLY LINES	HOT AND COLD BRAIDED FLEXIBLE SUPPLY LINES

MECHANICAL LINETYPE LEGEND	
SYMBOL	DESCRIPTION
—	EXISTING
---	NEW
---	SANITARY DRAINAGE
---	DOMESTIC COLD WATER
---	DOMESTIC HOT WATER

MECHANICAL SYMBOL LEGEND	
SYMBOL	DESCRIPTION
⊗	SUPPLY AIR DIFFUSER
⊠	EXHAUST GRILLE
●	FLOOR DRAIN
~	LINE BREAK
U	P-TRAP
○	FLOOR CLEANOUT

C	TENDER ADDENDUM - 1	2025-05-07
B	PERMIT	2024-09-10
A	TENDER	2024-08-08
-	REVIEW	2024-07-09
REV.	DESCRIPTION	DATE



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918
www.JDXadvance.com

CLIENT: **CHERIE NG ARCHITECT**

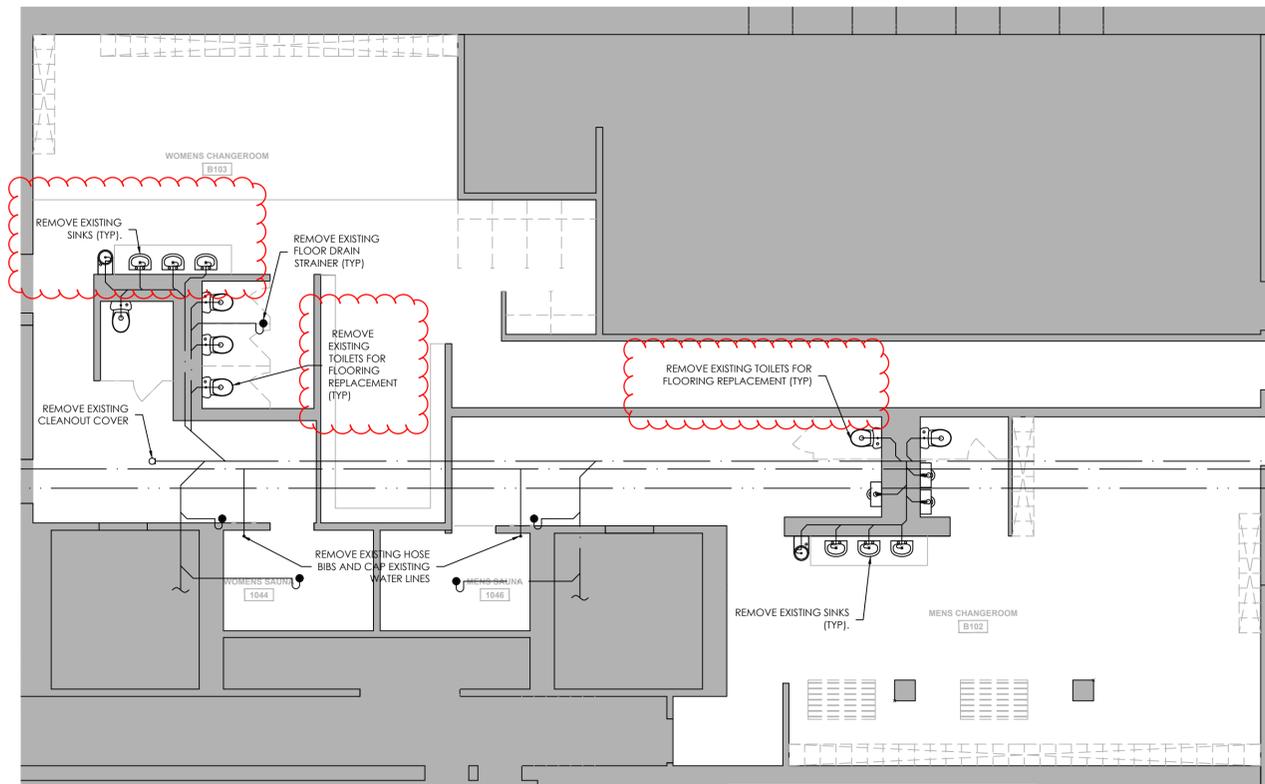
OWNER: **CITY OF BRAMPTON**
2 WELLINGTON ST WEST
BRAMPTON, ON L6Y 4R2

PROJECT: **MCMURCHY CHANGE ROOMS**

TITLE: **MECHANICAL NOTES AND SCHEDULES**

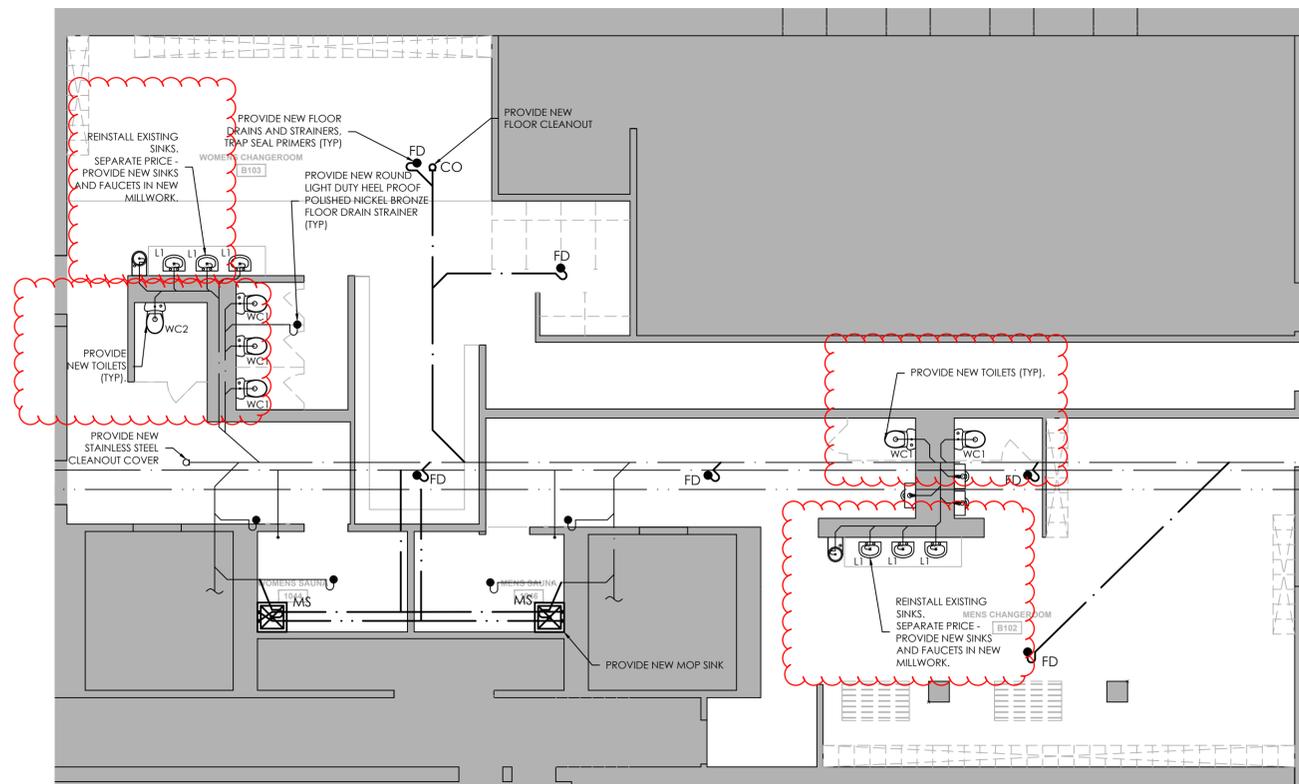
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24140	M100	C
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DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES



PLUMBING - EXISTING

1:75



PLUMBING - RETROFIT

1:75

C	TENDER ADDENDUM - 1	2025-05-07
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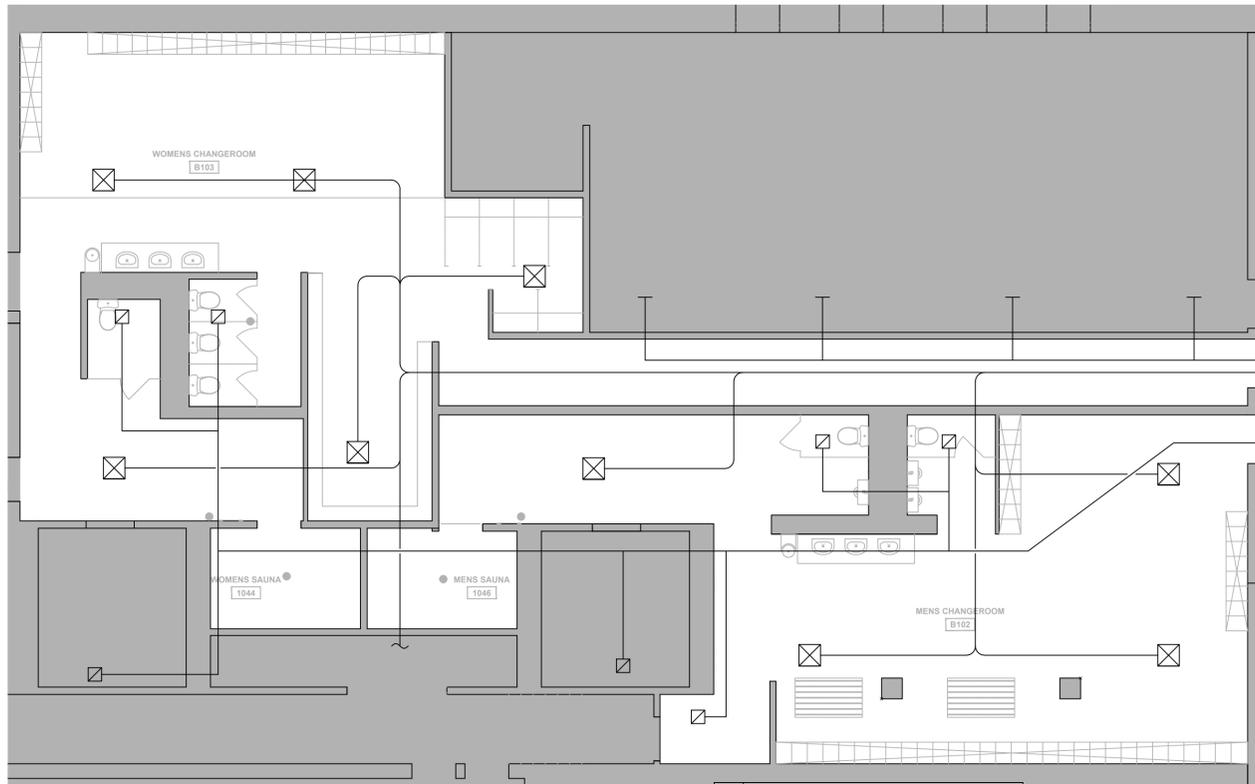
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SITE: **MCMURCHY R. C. CLINIC**
 247 MCMURCHY AVE S.
 BRAMPTON, ON L6Y 2E6

PROJECT: **MCMURCHY CHANGE ROOMS**

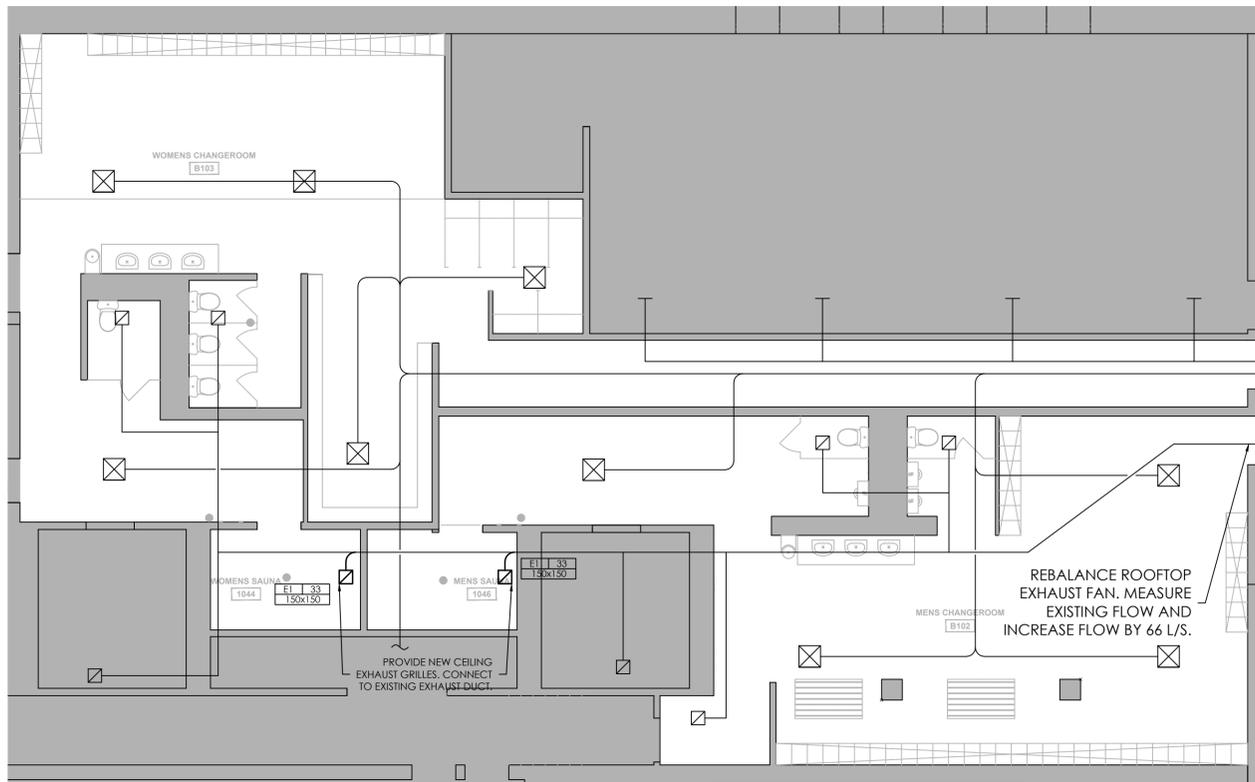
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24140	M101	C
PROJECT NO:	DRAWING NO:	REVISION:



HVAC - EXISTING

1:75



HVAC - RETROFIT

1:75

C	TENDER ADDENDUM - 1	2025-05-07
B	PERMIT	2024-09-10
A	TENDER	2024-08-08
-	REVIEW	2024-07-09
REV.	DESCRIPTION	DATE



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 247 MCMURCHY AVE S.
 BRAMPTON, ON L6Y 2E6

PROJECT: MCMURCHY CHANGE ROOMS

TITLE: **MECHANICAL**
 HVAC LAYOUT

1:75	AR	JD
SCALE AT ANSI D:	DRAWN:	CHECKED:
24140	M102	C
PROJECT NO:	DRAWING NO:	REVISION: