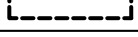


AIR SYSTEM LEGEND		
	US	SPACE PRESSURIZATION ARROW
	DU / UC	DOOR LOUVER / UNDER DUCT DOOR
		SUPPLY AIRFLOW AROUND
		RETURN OR EXHAUST AIRFLOW AROUND
		AIR VOLUME TRAVERSE STATION
		EXHAUST AIR GRILLE OR REGISTER
		DIFFUSER WITH FLOW DIRECTION NO FLOW ARROWS INDICATES STANDARD 4-WAY PATTER.
		SIDE WALL GRILLE
		RETURN AIR GRILLE OR REGISTER
		FLEXIBLE CONNECTION
	VB	MANUAL VOLUME DAMPER FOR ROUND AND RECTANGULAR DUCT
	SD	SLIDE GATE DAMPER FOR ROUND AND RECTANGULAR DUCT
	CSFD	COMBINATION SMOKE/FAIR DAMPER FOR ROUND AND RECTANGULAR DUCT
	SD	SMOKE DAMPER FOR ROUND AND RECTANGULAR DUCT
	FD	FIRE DAMPER FOR ROUND AND RECTANGULAR DUCT
	T	THERMOSTAT

PIPING SYSTEM ABBREVIATIONS			
AV	AUTOMATIC AIR VENT	MBV	MOTORIZED BUTTERFLY VALVE
BD	BOLER BLOW DOWN	NPSH	NET POSITIVE SUCTION HEAD
BF	BOLER FEEDWATER	NPSHA	NET POSITIVE SUCTION HEAD AVAILABLE
BV	BUTTERFLY VALVE	NPSHR	NET POSITIVE SUCTION HEAD REQUIRED
BV	BALL VALVE	OSRY	OUTSIDE STEM AND YOKE
CBST	COMBO. BALANCING SHUTOFF VALVE W/PRESS. TAPS	PG	PRESSURE GAUGE
CHR	CHECK VALVE	PRV	PRESSURE REDUCING VALVE
CD	CLEAN OUT	RED	REDUCER
CO	FLOW COEFFICIENT OR CONTROL VALVE	SOV	SHUT-OFF VALVE
CV	DRAIN OFF VALVE	SRV	SAFETY RELIEF VALVE
DX	DIRECT EXPANSION	ST	STEAM TRAP
DWT	ENTERING WATER TEMPERATURE	STR	STRAINER
FC	FLEXIBLE CONNECTION	SJXXXX	SECONDARY (SYSTEM DEPENDENT PREFIX)
FCV	FLOW CONTROL VALVE	TAV	THERMOSTATIC AIR VALVE (STEAM ONLY)
FM	FLOW METER	TDH	TOTAL DYNAMIC HEAD
GLV	GLOBE VALVE	TH	THERMOMETER
GV	GATE VALVE	TW	TEST WELL (PETES PLUG)
HD	HEAD	TJXXXX	TERTIARY (SYSTEM DEPENDENT PREFIX)
ISV	ISOLATION VALVE	WPD	WATER PRESSURE DROP
LAV	LEAVING WATER TEMPERATURE		
MAT	MANUAL AIR VENT		

EXISTING AND DEMOLITION SYMBOLS	
SYMBOL	DESCRIPTION
	EXISTING EQUIPMENT/SERVICES
	EXISTING EQUIPMENT/SERVICES TO BE REMOVED
	EXISTING EQUIPMENT/SERVICES TO BE REMOVED AND RELOCATED
	RELOCATED EQUIPMENT/SERVICES
CTE 	CONNECT TO EXISTING
	CAPPED SERVICE

GENERAL NOTES

1. CONTRACTOR TO PROVIDE ALL AIR AND WATER BALANCING PRE-TESTS, CONTRACTOR TO PROVIDE CUTTING & PATCHING FOR THE INSTALLATION OF HIS WORK. EMPLOY THE SERVICES OF THE GENERAL TRADER CONTRACTOR IF NECESSARY.
2. CO-ORDINATE NEW SERVICES WITH EXISTING BUILDING STRUCTURE, EXISTING SERVICES & WORK.
3. CONTRACTOR SHALL COORDINATE WITH ALL NEW AND EXISTING MECHANICAL AND ELECTRICAL SERVICES WHEN MAKING THE PIPE AND EQUIPMENT CONNECTIONS ON SITE.
4. CONTRACTOR SHALL MODIFY SUPPORTS, PAINT AND FINISH TO SUIT CONDITION FOR ALL NEW WORK DONE, RE-INSULATE PIPES AS REQUIRED.
5. THE CONTRACTOR IS TO VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL INCLUDE FOR AN AIR BALANCING BY A CERTIFIED 3RD PARTY AFTER CONSTRUCTION FOR THE AREA IN THIS PROJECT, SUBMIT ALL BALANCING REPORTS FOR REVIEW AND APPROVAL. COSTS TO PERFORM AIR BALANCING TO BE INCLUDED IN THE TENDERS FOR THE WORK OF MECHANICAL DIVISION.
7. CONTRACTOR TO PAY FOR AND OBTAIN ALL REQUIRED PERMITS, FEES, LICENSES, CERTIFICATES OF INSPECTION ETC IF REQUIRED.
8. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF ANY WORK, AND SHALL NOTIFY THE CONSULTANT IMMEDIATELY OF ANY DISCREPANCY BETWEEN THE DRAWINGS AND THE ACTUAL FIELD CONDITIONS. NO WORK SHALL BE PERFORMED IN THE AFFECTED AREA UNTIL A RESOLUTION HAS BEEN ESTABLISHED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY SEALING PENETRATIONS THROUGH FRIRE RATED, SMOKE RATED OR COMBINATION FIRE & SMOKE RATED SEPARATIONS. SEE SPECIFICATIONS FOR FIRE & SMOKE RATED SEALS.
10. CONTRACTOR TO PROVIDE APPARATUS WITH PROPER NAMEPLATES AFFIXED THEREON, SHOWING THE SIZE, NAME OF EQUIPMENT, SERIAL NUMBER AND ALL INFORMATION USUALLY PROVIDED, WHICH ALSO INCLUDES VOLTAGE, CYCLE PHASE AND HORSEPOWER OF MOTORS AND THE MAKE AND ADDRESS OF THE MANUFACTURER.
11. CONTRACTOR TO SEAL ALL WALLS THROUGH FIRE RATED WALLS & FLOORS AND WITHIN MECHANICAL ASSEMBLIES, STOP INSULATION FLUSH WITH ALL WALL AND FLOOR SURFACES AND SEAL SPACE BETWEEN PIPE AND SLEEVE WITH UPPU APPROVED AND LISTED FIRE STOPPING MATERIAL AS REQUIRED.
12. CONTRACTOR TO SEAL ALL SLEEVES THROUGH ALL NON FIRE RATED WALLS AND FLOORS STOP INSULATION, WHERE APPLICABLE, AT WALL AND FLOOR SURFACES AS OPENINGS.
13. CONTRACTOR TO COVER SLEEVES AND REFINISH AROUND EXPOSED PIPING IN ALL FINISHED AREAS WITH CHROME PLATED EPOXYCHENS AS REQUIRED.
14. CONTRACTOR TO PROVIDE FIRE WATCH DURING CONSTRUCTION, ETC AS PER REQUIREMENT OF PEEL REGIONAL POLICE AND AUTHORITY HAVING JURISDICTION.
15. COORDINATE MECHANICAL WORK WITH WORK OF ALL OTHER DIVISIONS.
16. ALL CRANING WORK TO BE COORDINATED WITH OWNER, AND SCHEDULED, ALLOW FOR WEEKEND WORK.
17. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS WITHIN 2 WEEKS AFTER COMMISSIONING IS COMPLETED.
18. ALL DRAWINGS ARE DIAGRAMMATIC ONLY. THE ARRANGEMENTS OF EQUIPMENT SHOWN ARE APPROXIMATIONS ONLY AND MAY BE ALTERED BY THE ENGINEERS TO MEET THE REQUIREMENTS OF THE PROJECT. ALL ROUTING OF SERVICES ARE APPROXIMATE. ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS SHOW ARE APPROXIMATE BASED ON CONCEPTUAL DESIGN ONLY AND ARE SUBJECT TO CHANGE IN PLAN LAYOUT AND RCP.
19. ALL 90° MITERED DUCT BELOW SHOWING IN P&ID DRAWINGS SHALL BE C/W TURNING VANE.
20. PIPING ON SITE MIGHT BE DIFFERENT THAN SHOWN, DURING CONSTRUCTION, ADDITIONAL CARE IS REQUIRED TO MAKE SURE SERVICE IS NOT INTERRUPTED FOR THE REST OF THE BUILDING AND NO PIPING IS DEMOLISHED BY MISTAKE. ANY TEMPORARY SERVICE INTERRUPTIONS DURING CONSTRUCTION FOR NEW CONNECTIONS HAS TO BE COORDINATED WITH THE PEEL REGIONAL POLICE BUILDING MANAGEMENT.

DRAWING LIST	
DRAWING NO	DRAWING NAME
M100	COVER SHEET, LEGENDS, DRAWING LIST
M201	PARTIAL BASEMENT FLOOR - HVAC DEMO & NEW
M202	PARTIAL GROUND FLOOR - HVAC DEMO & NEW
M203	PARTIAL SECOND FLOOR - HVAC DEMO & NEW
M204	PARTIAL THIRD FLOOR - HVAC DEMO & NEW
M301	PARTIAL BASEMENT FLOOR - PLUMBING DEMO & NEW
M302	PARTIAL GROUND FLOOR - PLUMBING DEMO & NEW
M303	PARTIAL SECOND FLOOR - PLUMBING DEMO & NEW
M304	PARTIAL THIRD FLOOR - PLUMBING DEMO & NEW
M401	PARTIAL BASEMENT FLOOR - FP DEMO & NEW
M402	PARTIAL GROUND FLOOR - FP DEMO & NEW
M403	PARTIAL SECOND FLOOR - FP DEMO & NEW
M404	PARTIAL THIRD FLOOR - FP DEMO & NEW
M501	MECHANICAL DETAILS
M601	MECHANICAL SCHEDULES
M602	MECHANICAL SCHEDULES

[illegible]

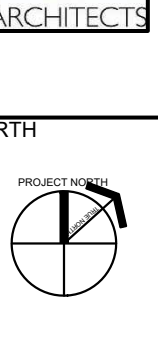
6.	ISSUED FOR CONSTRUCTION	2026.08.21
5.	ISSUED FOR TENDER	2026.05.01
4.	ISSUED FOR BUILDING PERMIT	2026.04.08
3.	ISSUED FOR 100% CLIENT REVIEW	2026.03.31
2.	ISSUED FOR 66% CLIENT REVIEW	2026.01.09
1.	ISSUED FOR COSTING REVIEW	2025.11.24
NO.	DESCRIPTION	DATE
REVISIONS		



PEEL REGIONAL POLICE

REGION OF PEEL

EMIL V. KOLB CENTRE
PEEL REGIONAL POLICE FACILITY
INTERIOR RENOVATION PROJECT
180 DERRY ROAD EAST, MISSISSAUGA, ON L5T 2Y5

	The architect shall create and develop all drawings and design of project and accessories to the project and shall be responsible for the design of the project and accessories to the project. The architect shall be responsible for the design of the project and accessories to the project. The architect shall be responsible for the design of the project and accessories to the project.	
NORTH 	REGISTERED ARCHITECT STRUCTURAL CONSULTANT Stephenson Engineering MECHANICAL CONSULTANT EXP Services Inc. ELECTRICAL CONSULTANT EXP Services Inc.	
SHEET TITLE COVER SHEET, LEGENDS & DRAWING LIST		
SHEET NO. M100	DRAWN BY _____ SCALE	CHECKED _____ DATE PROJECT NO. MRK-25008951-A0



1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, MINISTRY OF THE ENVIRONMENT, MINISTRY OF LABOUR, NFPA, BUILDING MANAGEMENTS GUIDELINES (REFER TO ARCH. SPEC).
2. ALL NEW SERVICES SHOWN ARE DIAGRAMMATIC ONLY. THE ARRANGEMENTS OF EQUIPMENT SHOWN ARE APPROXIMATE AND MAY BE ALTERED ON SITE TO MEET THE ON-SITE CONDITIONS OF THE PROJECT. CONTRACTOR TO REVIEW ALL THE EXISTING SERVICES AND COORDINATE WITH THE INSTALLATION.
3. CONTRACTOR TO COORDINATE WITH THE BUILDING MANAGEMENT FOR APPROVAL OF ANY SHUT DOWN OF EXISTING SYSTEMS/SERVICES. THE CONTRACTOR SHALL DETERMINE THE BEST METHOD TO MINIMIZE SERVICE INTERRUPTION AND IMPACT ON FACILITY OPERATION, INCLUDING USE OF HOT TAP/REPAIR FREEZING AND AFTER-HOUR WORK AS REQUIRED. PROVIDE MIN. ONE WEEK NOTICE FOR BUILDING MANAGEMENT TO PLAN THE SHUT DOWN. CONTRACTOR TO ENSURE MIN. SHUTDOWNS.
4. CONTRACTOR TO REROUTE ANY EXISTING SERVICES IF REQUIRED TO INSTALL NEW SERVICES. ALL SERVICES SHALL BE INSTALLED USING EXISTING BEAM OPENINGS AS MUCH AS POSSIBLE. IN THE EVENT OF NO SPACE THROUGH BEAM OPENINGS, SERVICES SHALL BE INSTALLED AS HIGH AS POSSIBLE TO THE UNDERSIDE OF THE BEAM. COORDINATE ALL SERVICES PRIOR TO INSTALLATION. THE LOWER SERVICES INSTALLED WILL BE ASKED TO RELOCATE IF SPACE AVAILABLE AT HIGH LEVEL.
5. COORDINATE WITH ALL CONSULTANT DRAWINGS BEFORE ORDERING ANY NEW EQUIPMENT, GRILLES & DIFFUSERS, SPRINKLER HEADS ETC.
6. CONTRACTOR TO INCLUDE FOR ALL OFFSETS REQUIRED FOR COORDINATION WITH MECHANICAL AND ELECTRICAL SERVICES. THE FOLLOWING ARE THE MINIMUM OFFSETS TO BE MAINTAINED:
27. THE DRAWINGS AND SPECIFICATIONS ARE PROVIDING THE MINIMUM PERFORMANCE REQUIREMENTS. THE FIRE PROTECTION SYSTEM SHALL BE PREPARED, COMPLETE, STAINED, SIGNED, AND APPROVED BY A LICENSED SPRINKLER CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR THE FLOW TEST INFORMATION PRIOR TO PREPARATION OF DRAWINGS AND HYDRAULIC CALCULATIONS.
8. CONTRACTOR TO PROVIDE FIRE FIGHTING AS REQUIRED TO MAINTAIN FIRE SAFETY OF THE CONSTRUCTION SITE SCORE AREA.
9. THE CONTRACTOR SHALL PROVIDE FIRE STOPPING ON ALL NEW PIPING AND CONDUIT PENETRATIONS THROUGH A FLOORED AREA, WALL OR FLOOR AND ANY HOLE THAT RESULT FROM REMOVAL OF EXISTING SERVICES THROUGH A FLOORED AREA OR FLOOR.
10. READ ALL THE DRAWINGS FOR COMPLETE INFORMATION.
11. INCLUDE FOR FREEZING OF ALL SERVICES WITH THE ASSUMPTION THAT NO VALVES WILL HOLD AND REPLACE ALL WITH NEW LEVER BALL VALVES (OR SCREW TYPE ONLY WHERE APPROPRIATE).
12. THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS AND SITE SURVEYS. THE MECHANICAL SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES. ALL EXISTING SERVICES ARE TO REMAIN AS IS UNLESS NOTED ON THE LAYOUT TO BE REMOVED, RELOCATED AND/OR MODIFIED.
13. PROVIDE A NEW HUNG ROOF FOR THE EXISTING ROOF. PROVIDE A NEW HUNG ROOF FOR THE EXISTING ROOF. PROVIDE A NEW HUNG ROOF IDENTIFIED IN 90001. REFER TO ARCHITECTURAL DRAWINGS FOR LAYED OUT ASSEMBLIES WITH STC REQUIREMENTS. (TYP)

① DIFFUSER/GRILLE TO BE DEMOLISHED. CAP DUCTWORK BACK TO MAIN, AS SHOWN

② RESERVED



1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, MINISTRY OF THE ENVIRONMENT, MINISTRY OF LABOUR, NPFA, BUILDING MANAGEMENTS GUIDELINES (REFER TO ARCH SPEC).
2. ALL NEW SERVICES SHOWN ARE DIAGRAMATIC ONLY. THE ARRANGEMENTS OF EQUIPMENT SHOWN ARE APPROXIMATE AND MAY BE ALTERED ON SITE TO MEET THE ON-SITE CONDITIONS OF THE PROJECT. CONTRACTOR TO REVIEW ALL THE EXISTING SERVICES AND COORDINATE WITH THE NEW SERVICES.
3. CONTRACTOR TO COORDINATE WITH THE BUILDING MANAGEMENT FOR APPROVAL OF ANY SHUT DOWN OF EXISTING SYSTEMS/SERVICES. THE CONTRACTOR SHALL DETERMINE THE BEST METHOD TO MINIMIZE SERVICE INTERRUPTION AND IMPACT ON FACILITY OPERATION, INCLUDING USE OF HOT TEMPORARY FREEZING AND AFTER-HOUR WORK AS REQUIRED. PROVIDE MIN. ONE WEEK NOTICE FOR BUILDING MANAGEMENT OF THE SHUT DOWN OF CONTRACTOR'S SERVICES TO ENSURE MIN. SHUTDOWNS.
4. CONTRACTOR TO REROUTINE ANY EXISTING SERVICES IF REQUIRED TO INSTALL NEW SERVICES. ALL SERVICES SHALL BE INSTALLED USING EXISTING BEAM OPENINGS AS MUCH AS POSSIBLE. IN THE EVENT OF NO SPACE THROUGH BEAM OPENING, SERVICES SHALL BE INSTALLED AS HIGH AS POSSIBLE TO THE UNDERSIDE OF THE BEAM. COORDINATE ALL SERVICES PRIOR TO INSTALLATION. THE LOWER SERVICES SHALL BE USED TO RELOCATE IF SPACE AVAILABLE AT HIGH LEVEL.
5. COORDINATE WITH ALL CONSULTANT DRAWINGS BEFORE ORDERING ANY NEW EQUIPMENT, GRILLES & DIFFUSERS, SPRINKLER HEADS ETC.
6. CONTRACTOR TO INCLUDE FOR ALL OFFSETS REQUIRED FOR COORDINATION WITH MECHANICAL AND ELECTRICAL SERVICES. THE OFFSETS INCLUDE ALL EXISTING AND NEW EQUIPMENT, PIPING, ELECTRICAL SERVICES, ETC.
7. THE DRAWINGS AND SPECIFICATIONS ARE REQUIRED TO PROVIDE THE MINIMUM PERFORMANCE REQUIREMENTS. THE FIRE PROTECTION SYSTEM SHALL BE PREPARED, COMPLETE, STAINED, AND APPROVED BY A LICENSED SPRINKLER CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR THE FLAME TEST INFORMATION PRIOR TO PREPARATION OF DRAWINGS AND HYDRAULIC CALCULATIONS.
8. CONTRACTOR TO PROVIDE FIRE WATCH AS REQUIRED TO MAINTAIN FIRE SAFETY OF THE CONSTRUCTION SITE SCOPE AREA. COORDINATE WITH GC AS REQUIRED.
9. CONTRACTOR SHALL PROVIDE FIRE STOPPING ON ALL NEW PIPING AND CONDUIT PENETRATIONS THROUGH A FIRE-RATED WALL OR FLOOR AND ANY HOLES THAT RESULT FROM REMOVAL OF EXISTING SERVICES THROUGH A FIRE-RATED WALL OR FLOOR. REFER TO ARCHITECTURAL PLANS FOR FIRE SEPARATION DRAWINGS.
10. READ ALL THE DRAWINGS FOR COMPLETE INFORMATION.
11. CONTRACTOR FOR FREEZING OF ALL SERVICES WITH THE ASSUMPTION THAT NO VALVES WILL HOLD AND REPLACE ALL WITH NEW 1/2" EVER BALL VALVES (OR SCREW TYPE) WHERE APPROPRIATE.
12. THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS AND SITE SURVEYS. THE MECHANICAL CONTRACTOR SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES TO CONFIRM THE SIZE AND LOCATION OF THE SERVICES BEFORE ANY WORK BEGINS.
13. ALL EXISTING SERVICES ARE TO REMAIN AS IS UNLESS NOTED ON THE LAYOUT TO BE REMOVED, RELOCATED AND/OR MODIFIED.

- ① EXISTING EA DUCT TO EF-1 ON THE ROOF
- ② PROVIDE NEW DIFFUSER/GRILLE. CONNECT TO EXISTING MAIN DUCTWORK AS SHOWN. PROVIDE BALANCING DAMPER AT EACH BRANCH DUCT SERVING NEW DIFFUSER/GRILLE. BALANCE AIRFLOW TO EACH DIFFUSER/GRILLE IN US AS INDICATED ON PLAN. REFER TO DIFFUSERS & GRILLES SCHEDULE ON MECHANICAL SCHEDULE DRAWING.
- ③ EXISTING 600X500 EA DUCT TO REMAIN
- ④ EXISTING 400X300 EA DUCT TO REMAIN

6.	ISSUED FOR CONSTRUCTION	2026.08.21
5.	ISSUED FOR TENDER	2026.05.01
4.	ISSUED FOR BUILDING PERMIT	2026.04.08
3.	ISSUED FOR 100% CLIENT REVIEW	2026.03.31
2.	ISSUED FOR 66% CLIENT REVIEW	2026.01.09

PROJECT	
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NCA
ARCHITECTS

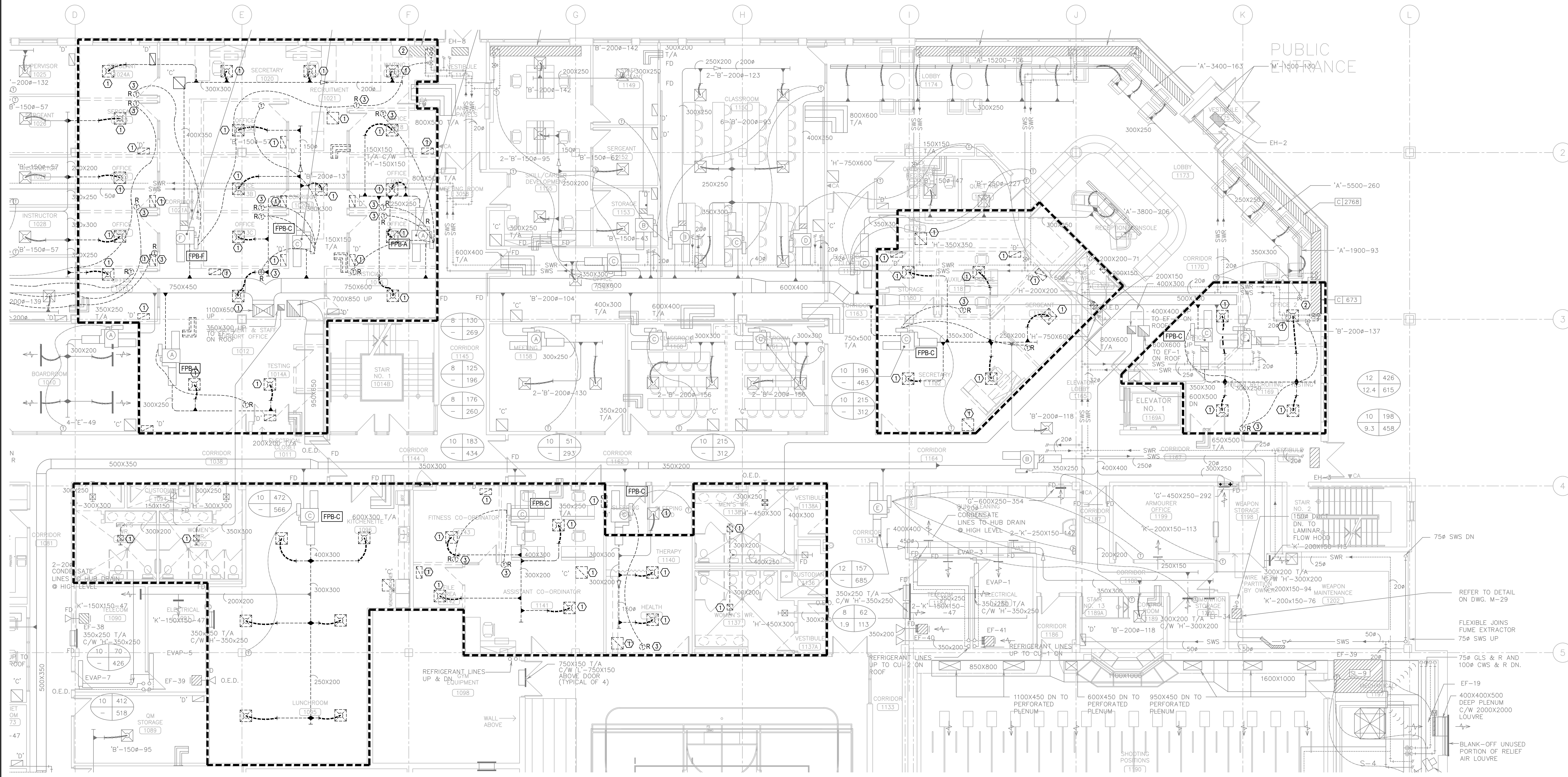
The contractor shall check and verify all dimensions and report all errors and omissions to the architect and the design professional whose seal is affixed to this drawing. Do not scale the drawings.

This drawing shall not be used for construction purposes until

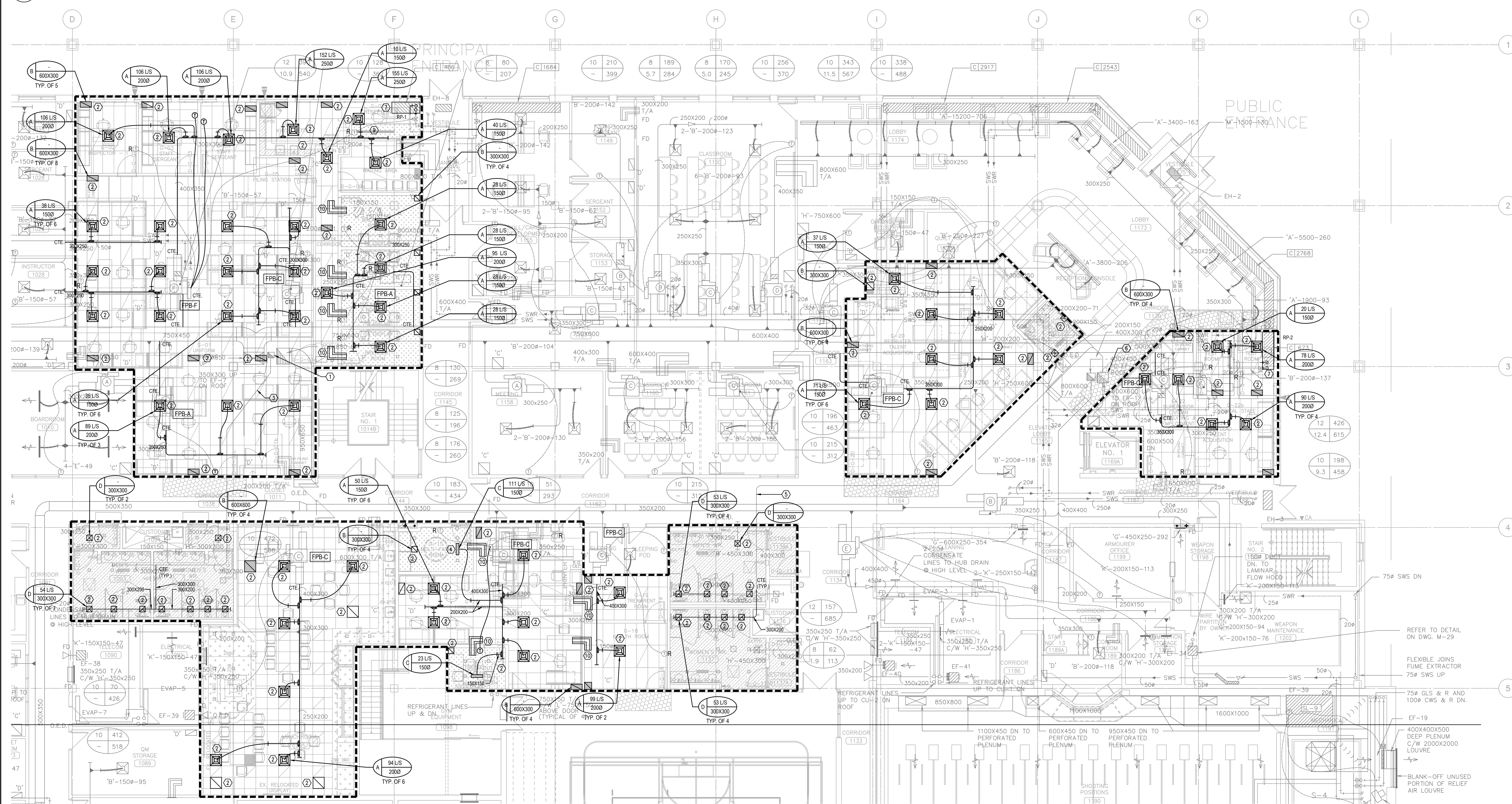
NORTH				
				
				
				
				

SHEET TITLE
PARTIAL BASEMENT FLOOR
- HVAC DEMO & NEW

SHEET NO. M201	DRAWN BY SS/LL	CHECKED KE
	PROJECT NO. MRK-25008951-A0	
	SCALE	



1 PARTIAL GROUND FLOOR HVAC PLAN - DEMO
SCALE: 1/8\"/>



2 PARTIAL GROUND FLOOR HVAC PLAN - NEW
SCALE: 1/8\"/>

- HVAC GENERAL DEMO NOTES**
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, MINISTRY OF THE ENVIRONMENT, MINISTRY OF LABOUR, NFPA, BUILDING MANAGEMENT'S GUIDELINES (REFER TO ARCH. SPEC).
 - ALL NEW SERVICES SHOWN ARE DIAGRAMMATIC ONLY. THE ARRANGEMENTS OF EQUIPMENT SHOWN ARE APPROXIMATE AND MAY BE ALTERED ON SITE TO MEET THE ON-SITE CONDITIONS OF THE PROJECT. CONTRACTOR TO REVIEW ALL THE EXISTING SERVICES AND COORDINATE WITH THE NEW INSTALLATION.
 - CONTRACTOR TO COORDINATE WITH THE BUILDING MANAGEMENT FOR APPROVAL OF ANY SHUT DOWN OF EXISTING SYSTEMS/SERVICES. THE CONTRACTOR SHALL DETERMINE THE BEST METHOD TO MINIMIZE SERVICE INTERRUPTION AND IMPACT ON FACILITY OPERATION, INCLUDING USE OF HOT TAP/TEMPORARY FREEZING AND AFTER-HOUR WORK AS REQUIRED. PROVIDE MIN. ONE WEEK NOTICE FOR BUILDING MANAGEMENT TO PLAN THE SHUT DOWN. CONTRACTOR TO ENSURE MIN. SHUTDOWNS.
 - CONTRACTOR TO REROUTE ANY EXISTING SERVICES IF REQUIRED TO INSTALL NEW SERVICES. ALL SERVICES SHALL BE INSTALLED USING EXISTING BEAM OPENINGS AS MUCH AS POSSIBLE. IN THE EVENT OF NO SPACE THROUGH BEAM OPENING, SERVICES SHALL BE INSTALLED AS HIGH AS POSSIBLE TO THE UNDERSIDE OF THE BEAM. COORDINATE ALL SERVICES PRIOR TO INSTALLATION. THE LOWER SERVICES INSTALLED WILL BE ASKED TO RELOCATE IF SPACE AVAILABLE AT HIGH LEVEL.
 - COORDINATE WITH ALL CONSULTANT DRAWINGS BEFORE ORDERING ANY NEW EQUIPMENT, GRILLES & DIFFUSERS, SPRINKLER HEADS ETC.
 - CONTRACTOR TO INCLUDE FOR ALL OFFSETS REQUIRED FOR COORDINATION WITHIN MECHANICAL AND ELECTRICAL SERVICES. THE OFFSETTING INCLUDES ALL HVAC, HYDRONICS, PLUMBING AND FIRE PROTECTION SERVICES.
 - THE DRAWINGS AND SPECIFICATIONS ARE PROVIDING THE MINIMUM PERFORMANCE REQUIREMENTS. THE FIRE PROTECTION SYSTEM SHALL BE PREPARED, COMPLETE, STAMPED, SIGNED, AND APPROVED BY A LICENSED SPRINKLER CONTRACTOR. IT IS THE CONTRACTORS RESPONSIBILITY FOR THE FLOW TEST INFORMATION PRIOR TO PREPARATION OF DRAWINGS AND HYDRAULIC CALCULATIONS.
 - CONTRACTOR TO PROVIDE FIRE WATCH AS REQUIRED TO MAINTAIN FIRE SAFETY OF THE CONSTRUCTION SITE SCOPE AREA.
 - THE CONTRACTOR SHALL PROVIDE FIRE STOPPING ON ALL NEW PIPING AND CONDUIT PENETRATIONS THROUGH A FIRE-RATED WALL OR FLOOR AND ANY HOLES THAT RESULT FROM REMOVAL OF EXISTING SERVICES THROUGH A FIRE-RATED WALL OR FLOOR.
 - READ ALL THE DRAWINGS FOR COMPLETE INFORMATION.
 - INCLUDE FOR FREEZING OF ALL SERVICES WITH THE ASSUMPTION THAT NO VALVES WILL HOLD AND REPLACE ALL WITH NEW LEVER BALL VALVES (OR SCREW TYPE ONLY WHERE APPROPRIATE).
 - THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS AND SITE SURVEYS. THE MECHANICAL SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES BEFORE THE COMMENCEMENT OF ANY WORK.
 - ALL EXISTING SERVICES ARE TO REMAIN AS IS UNLESS NOTED ON THE LAYOUT TO BE REMOVED, RELOCATED AND OR MODIFIED.

- HVAC DEMO DRAWING NOTES**
- DIFFUSER/GRILLE TO BE DEMOLISHED. CAP DUCTWORK BACK TO MAIN, AS SHOWN.
 - RADIANT PANEL TO BE DEMOLISHED. CAP HVAC BRANCH PIPING AS SHOWN.
 - EXISTING THERMOSTAT TO BE REMOVED IN ITS ENTIRETY INCLUDING ALL CONTROL WIRING. THERMOSTAT TO BE RETAINED AND PROPERLY STORED FOR FUTURE USE IN THE RELOCATED AREA AS SHOWN ON THE NEW WORK PLAN.

- HVAC GENERAL NEW NOTES**
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, MINISTRY OF THE ENVIRONMENT, MINISTRY OF LABOUR, NFPA, BUILDING MANAGEMENT'S GUIDELINES (REFER TO ARCH. SPEC).
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 - CONTRACTOR TO COORDINATE WITH THE BUILDING MANAGEMENT FOR APPROVAL OF ANY SHUT DOWN OF EXISTING SYSTEMS/SERVICES. THE CONTRACTOR SHALL DETERMINE THE BEST METHOD TO MINIMIZE SERVICE INTERRUPTION AND IMPACT ON FACILITY OPERATION, INCLUDING USE OF HOT TAP/TEMPORARY FREEZING AND AFTER-HOUR WORK AS REQUIRED. PROVIDE MIN. ONE WEEK NOTICE FOR BUILDING MANAGEMENT TO PLAN THE SHUT DOWN. CONTRACTOR TO ENSURE MIN. SHUTDOWNS.
 - CONTRACTOR TO REROUTE ANY EXISTING SERVICES IF REQUIRED TO INSTALL NEW SERVICES. ALL SERVICES SHALL BE INSTALLED USING EXISTING BEAM OPENINGS AS MUCH AS POSSIBLE. IN THE EVENT OF NO SPACE THROUGH BEAM OPENING, SERVICES SHALL BE INSTALLED AS HIGH AS POSSIBLE TO THE UNDERSIDE OF THE BEAM. COORDINATE ALL SERVICES PRIOR TO INSTALLATION. THE LOWER SERVICES INSTALLED WILL BE ASKED TO RELOCATE IF SPACE AVAILABLE AT HIGH LEVEL.
 - COORDINATE WITH ALL CONSULTANT DRAWINGS BEFORE ORDERING ANY NEW EQUIPMENT, GRILLES & DIFFUSERS, SPRINKLER HEADS ETC.
 - CONTRACTOR TO INCLUDE FOR ALL OFFSETS REQUIRED FOR COORDINATION WITHIN MECHANICAL AND ELECTRICAL SERVICES. THE OFFSETTING INCLUDES ALL HVAC, HYDRONICS, PLUMBING AND FIRE PROTECTION SERVICES.
 - THE DRAWINGS AND SPECIFICATIONS ARE PROVIDING THE MINIMUM PERFORMANCE REQUIREMENTS. THE FIRE PROTECTION SYSTEM SHALL BE PREPARED, COMPLETE, STAMPED, SIGNED, AND APPROVED BY A LICENSED SPRINKLER CONTRACTOR. IT IS THE CONTRACTORS RESPONSIBILITY FOR THE FLOW TEST INFORMATION PRIOR TO PREPARATION OF DRAWINGS AND HYDRAULIC CALCULATIONS.
 - CONTRACTOR TO PROVIDE FIRE WATCH AS REQUIRED TO MAINTAIN FIRE SAFETY OF THE CONSTRUCTION SITE SCOPE AREA.
 - THE CONTRACTOR SHALL PROVIDE FIRE STOPPING ON ALL NEW PIPING AND CONDUIT PENETRATIONS THROUGH A FIRE-RATED WALL OR FLOOR AND ANY HOLES THAT RESULT FROM REMOVAL OF EXISTING SERVICES THROUGH A FIRE-RATED WALL OR FLOOR.
 - READ ALL THE DRAWINGS FOR COMPLETE INFORMATION.
 - INCLUDE FOR FREEZING OF ALL SERVICES WITH THE ASSUMPTION THAT NO VALVES WILL HOLD AND REPLACE ALL WITH NEW LEVER BALL VALVES (OR SCREW TYPE ONLY WHERE APPROPRIATE).
 - THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS AND SITE SURVEYS. THE MECHANICAL CONTRACTOR SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES BEFORE THE COMMENCEMENT OF ANY WORK.
 - ALL EXISTING SERVICES ARE TO REMAIN AS IS UNLESS NOTED ON THE LAYOUT TO BE REMOVED, RELOCATED AND OR MODIFIED.
 - ALL EXISTING & NEW HVAC DUCTWORK PENETRATION THROUGH STC RATED WALL ASSEMBLIES SHALL FOLLOW INSTALLATION DETAIL IDENTIFIED IN 3MS01. REFER TO ARCHITECTURAL DRAWINGS FOR RATED WALL ASSEMBLIES WITH STC REQUIREMENTS. (TYP.)

- HVAC NEW DRAWING NOTES**
- EXISTING EA DUCT TO EF-7 ON THE ROOF TO REMAIN.
 - PROVIDE NEW DIFFUSER/GRILLE. CONNECT TO EXISTING MAIN DUCTWORK AS SHOWN. PROVIDE BALANCING DAMPER AT EACH BRANCH DUCT SERVING NEW DIFFUSER/GRILLE. BALANCE AIRFLOW TO EACH DIFFUSER/GRILLE IN US AS INDICATED ON PLAN. REFER TO DIFFUSERS & GRILLES SCHEDULE ON MECHANICAL SCHEDULE DRAWING.
 - EXISTING 300X300 EA DUCT TO REMAIN.
 - PROVIDE NEW LINEAR SLOT DIFFUSER. CONNECT TO EXISTING MAIN DUCTWORK AS SHOWN. PROVIDE BALANCING DAMPER AT EACH BRANCH DUCT SERVING NEW DIFFUSER. BALANCE AIRFLOW TO EACH DIFFUSER IN US AS INDICATED ON PLAN. REFER TO DIFFUSERS & GRILLES SCHEDULE ON MECHANICAL SCHEDULE.
 - EXISTING 400X300 EA DUCT TO REMAIN.
 - EA DUCT UP TO EF-1 ON ROOF TO REMAIN.
 - PROVIDE NEW RADIANT PANEL. CONNECT TO EXISTING 20MM HVAC PIPING AS SHOWN.
 - RETURN AIR GRILLE (TYP.)
 - EXISTING HYDRONIC HEATING WATER SUPPLY AND RETURN PIPING TO BE MODIFIED/ROUTED TO RUN ADJACENT OF THE PROPOSED STEEL POST AND BEAM. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
 - TRANSFER AIR DUCT AT WALL ABOVE CEILING C/W FIRE DAMPER (WHERE SHOWN). ALL TRANSFER AIR DUCT SHALL BE 350MM X 200MM LINED WITH 25MM ACOUSTIC INSULATION (TYP.).

PROJECT

PEEL POLICE

REGION OF PEEL

EMIL V. KOLB CENTRE
PEEL REGIONAL POLICE FACILITY
INTERIOR RENOVATION PROJECT
180 DERRY ROAD EAST, MISSISSAUGA, ON L7Y 2Y5

NCA
ARCHITECTS

NORTH

SHEET TITLE
**PARTIAL GROUND FLOOR -
HVAC DEMO & NEW**

SHEET NO.
M202

DRAWN BY
H.BELL

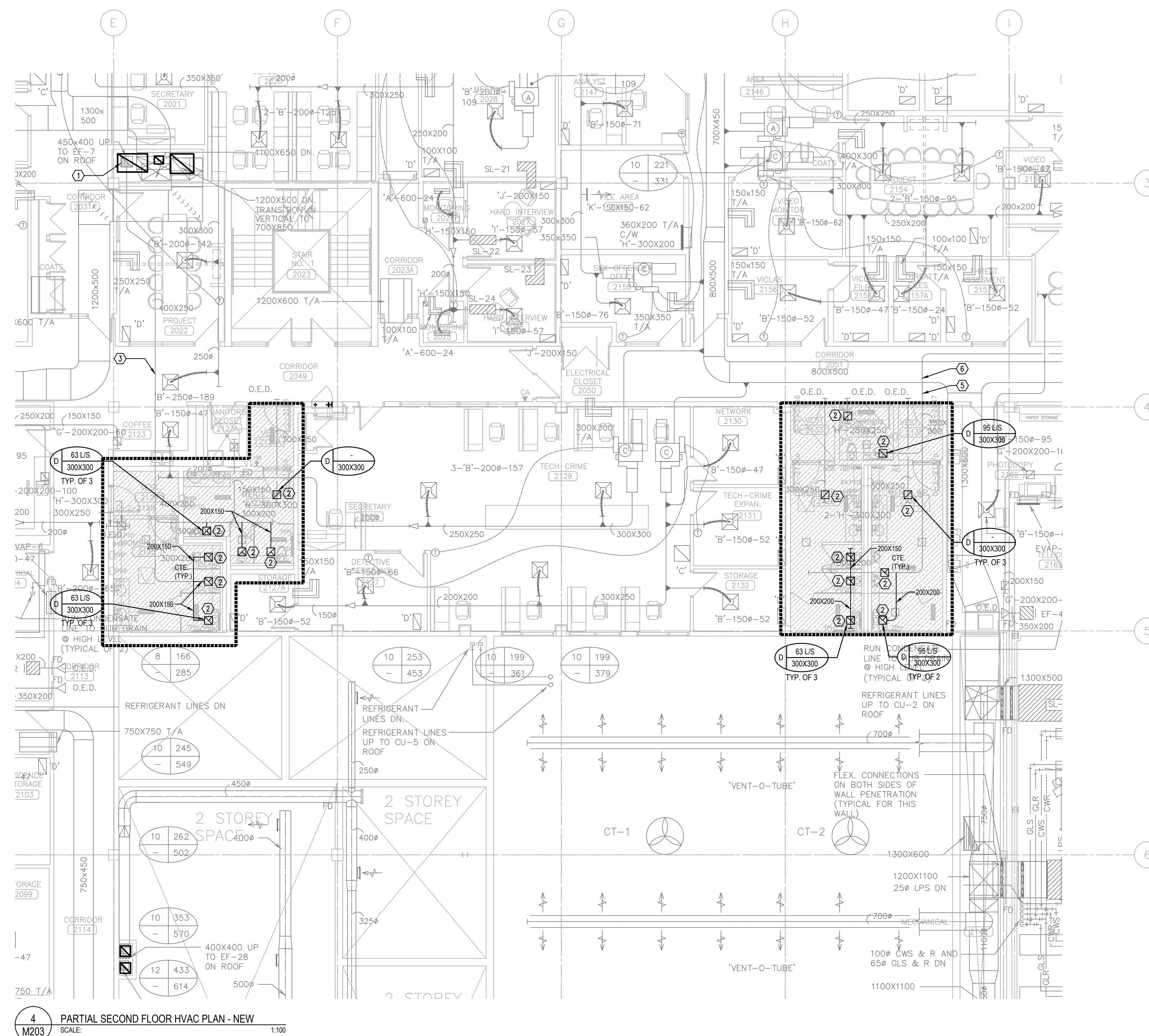
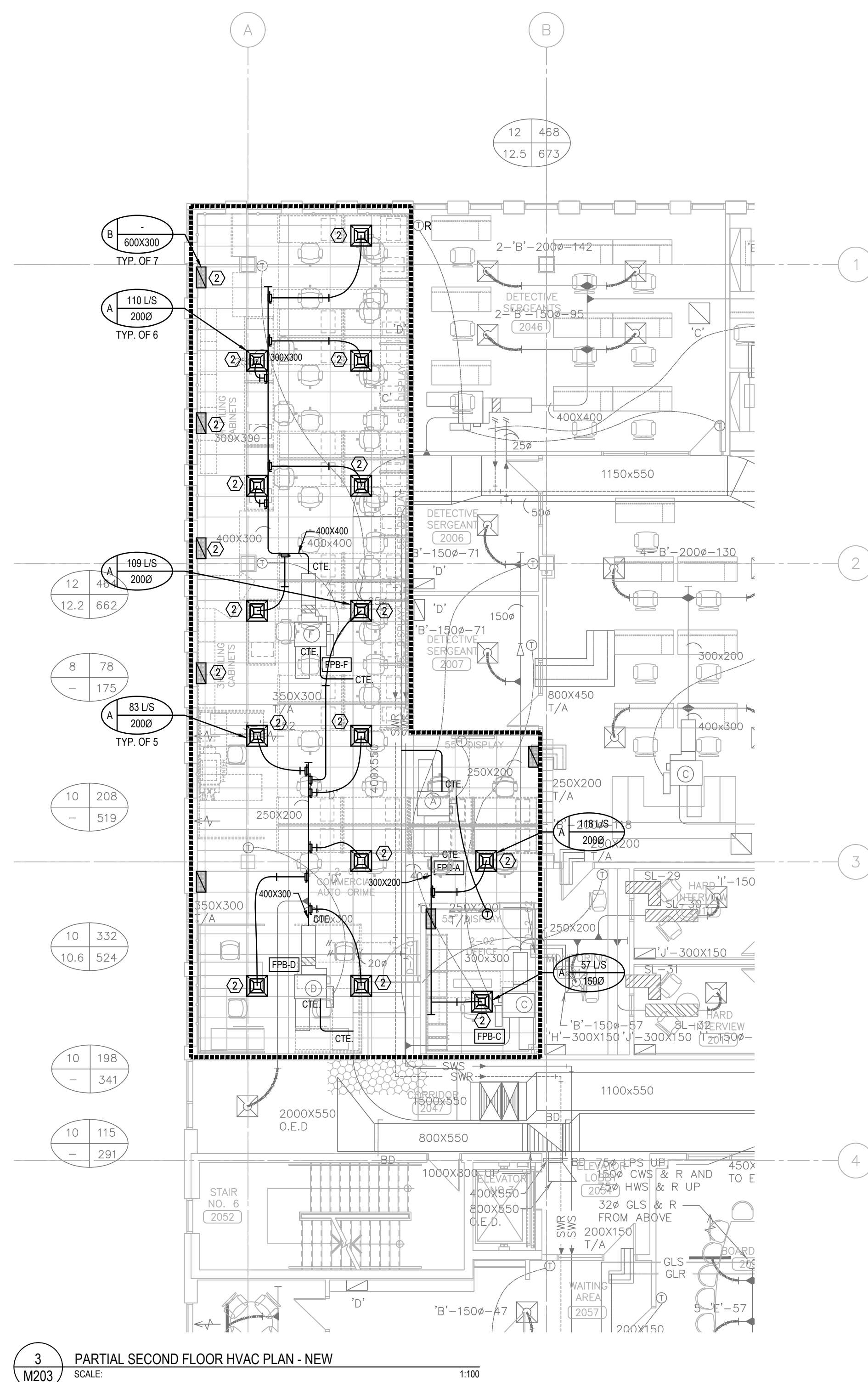
CHECKED BY
ME

PROJECT NO.
MRK-25008951-A0

SCALE

REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR TENDER	2025.05.01
2	ISSUED FOR 100% CLIENT REVIEW	2025.05.31
3	ISSUED FOR 65% CLIENT REVIEW	2025.06.01
4	ISSUED FOR 65% CLIENT REVIEW	2025.06.01
5	ISSUED FOR 65% CLIENT REVIEW	2025.06.01
6	ISSUED FOR 65% CLIENT REVIEW	2025.06.01
7	ISSUED FOR 65% CLIENT REVIEW	2025.06.01
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15	ISSUED FOR 65% CLIENT REVIEW	2025.06.01
16	ISSUED FOR 65% CLIENT REVIEW	2025.06.01
17	ISSUED FOR 65% CLIENT REVIEW	2025.06.01
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19	ISSUED FOR 65% CLIENT REVIEW	2025.06.01
20	ISSUED FOR 65% CLIENT REVIEW	2025.06.01



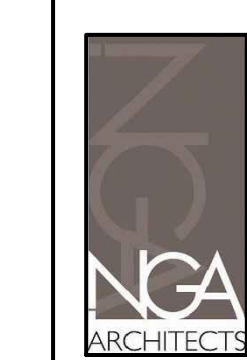
- HVAC DEMO DRAWING NOTES:
- ① DIFFUSER/GRILLE TO BE DEMOLISHED: CAP DUCTWORK BACK TO MAIN, AS SHOWN.
 - ② TRANSFER AIR DUCT TO BE DEMOLISHED.
 - ③ EXISTING THERMOSTAT TO BE REMOVED IN ITS ENTIRETY INCLUDING ALL CONTROL WIRING. THERMOSTAT TO BE RETAINED AND PROPERLY STORED FOR RE-USE IN THE RELOCATED AREA AS SHOWN ON THE NEW WORK PLAN.

- HVAC NEW DRAINING NOTES:
- ① EXISTING EA DUCT TO EF-7 ON THE ROOF TO REMAIN.
 - ② PROVIDE NEW DIFFUSER/GRILLE. CONNECT TO EXISTING MAIN DUCTWORK AS SHOWN. PROVIDE BALANCING DAMPER AT EACH EA DUCT. PROVIDE NEW DIFFUSER/GRILLE. BALANCE AIRFLOW TO EACH DIFFUSER/GRILLE IN LUS AS INDICATED ON PLAN. REFER TO DIFFUSERS & GRILLES SCHEDULE ON MECHANICAL SCHEDULE DRAWING.
 - ③ EXISTING 400X250 EA DUCT TO REMAIN.
 - ④ RESERVED
 - ⑤ EXISTING 360X300 EA DUCT TO REMAIN.
 - ⑥ EA DUCT UP TO EF-1 ON ROOF TO REMAIN.
 - ⑦ RESERVED

6.	ISSUED FOR CONSTRUCTION	2026-08-21
5.	ISSUED FOR TENDER	2026-05-01
4.	ISSUED FOR BUILDING PERMIT	2026-04-08
3.	ISSUED FOR 100% CLIENT REVIEW	2026-03-31
2.	ISSUED FOR 66% CLIENT REVIEW	2026-01-09
1.	ISSUED FOR COSTING REVIEW	2025-11-24
NO	DESCRIPTION	DATE



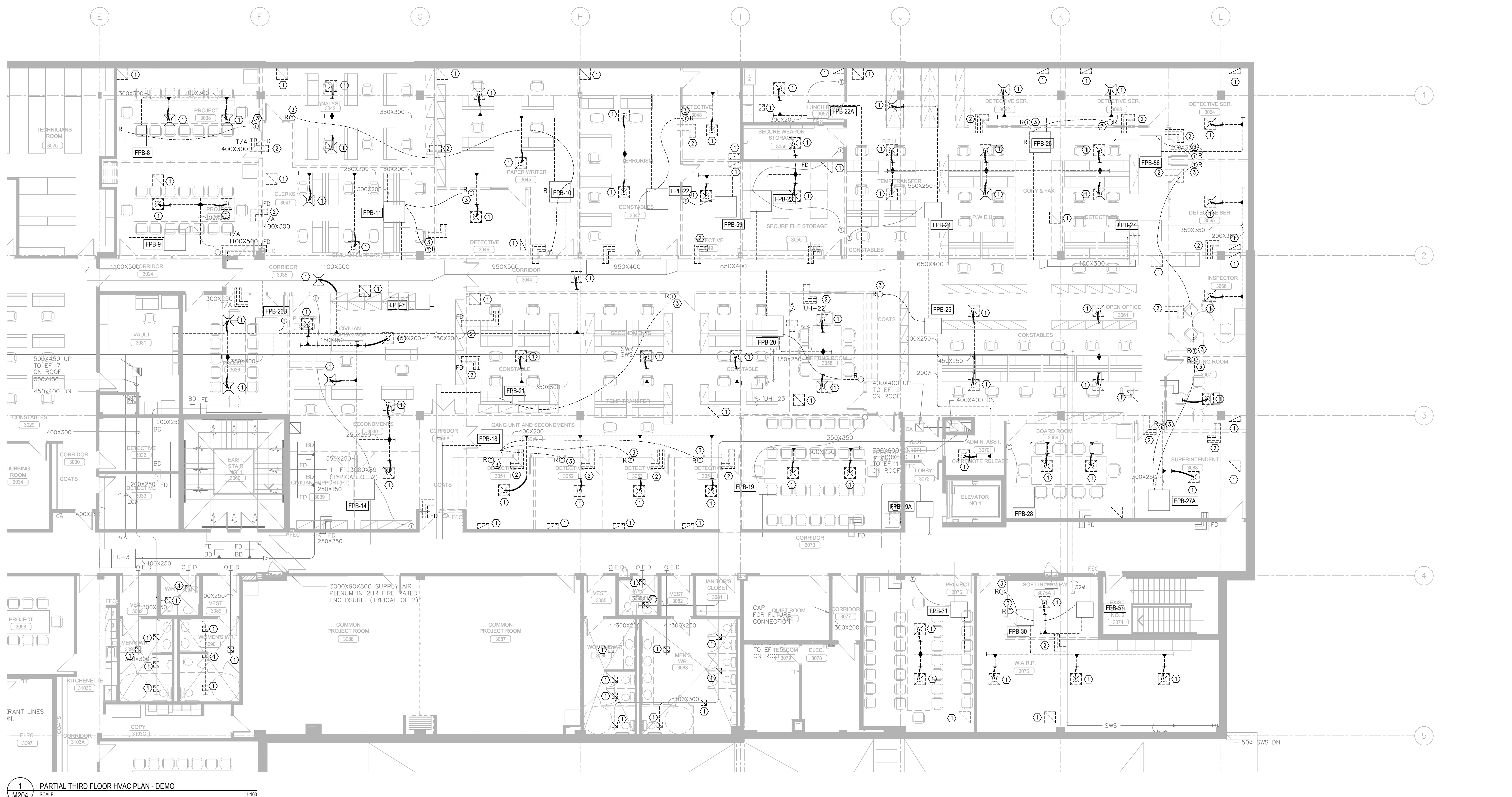
EMIL V. KOLB CENTRE
PEEL REGIONAL POLICE FACILITY
INTERIOR RENOVATION PROJECT
180 DERRY ROAD EAST, MISSISSAUGA, ON L5T 2Y5



NORTH	STRUCTURAL CONSULTANT	STEPHENSON ENGINEERING	MECHANICAL CONSULTANT	EXP SERVICES INC.
	ELECTRICAL CONSULTANT	EXP SERVICES INC.		

PARTIAL SECOND FLOOR -
HVAC DEMO & NEW

SHEET NO. M203	DRAWN BY SS/LL	CHECKED KE
	PROJECT NO. MRK-25008951-A0	
SCALE		

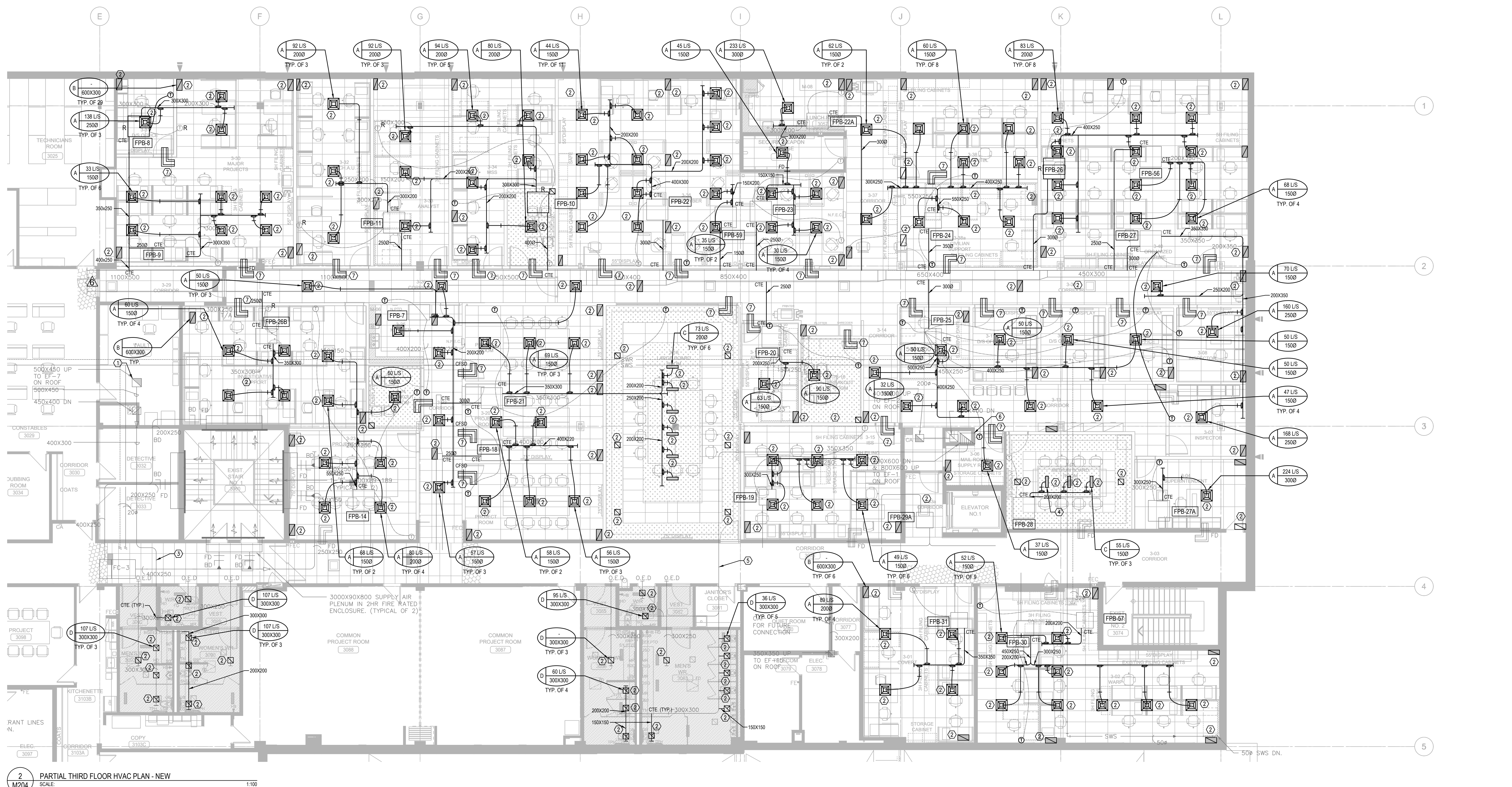


HVAC GENERAL DEMO NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, MINISTRY OF THE ENVIRONMENT, MINISTRY OF LABOUR, NFPA BUILDING MANAGEMENT'S GUIDELINES (REFER TO ARCH SPEC).
- ALL NEW SERVICES SHOWN ARE DIAGRAMMATIC ONLY. THE ARRANGEMENTS OF EQUIPMENT SHOWN ARE APPROXIMATE AND MAY BE ALTERED ON SITE TO MEET THE ON-SITE CONDITIONS OF THE PROJECT. CONTRACTOR TO REVIEW ALL THE EXISTING SERVICES AND COORDINATE WITH THE NEW INSTALLATION.
- CONTRACTOR TO COORDINATE WITH THE BUILDING MANAGEMENT FOR APPROVAL OF ANY SHUT DOWN OF EXISTING SYSTEMS/SERVICES. THE CONTRACTOR SHALL DETERMINE THE BEST METHOD TO MINIMIZE SERVICE INTERRUPTION AND IMPACT ON FACILITY OPERATION, INCLUDING USE OF HOT TAP/TEMPORARY FREEZING AND AFTER-HOUR WORK AS REQUIRED. PROVIDE MIN. ONE WEEK NOTICE FOR BUILDING MANAGEMENT TO PLAN THE SHUT DOWN. CONTRACTOR TO ENSURE MIN. SHUTDOWNS.
- CONTRACTOR TO REROUTE ANY EXISTING SERVICES IF REQUIRED TO INSTALL NEW SERVICES. ALL SERVICES SHALL BE INSTALLED USING EXISTING BEAM OPENINGS AS MUCH AS POSSIBLE. IN THE EVENT OF NO SPACE THROUGH BEAM OPENING, SERVICES SHALL BE INSTALLED AS HIGH AS POSSIBLE TO THE UNDERSIDE OF THE BEAM. COORDINATE ALL SERVICES PRIOR TO INSTALLATION. THE LOWER SERVICES INSTALLED WILL BE ASKED TO RELOCATE IF SPACE AVAILABLE AT HIGH LEVEL.
- COORDINATE WITH ALL CONSULTANT DRAWINGS BEFORE ORDERING ANY NEW EQUIPMENT, GRILLES & DIFFUSERS, SPRINKLER HEADS ETC.
- CONTRACTOR TO INCLUDE FOR ALL OFFSETS REQUIRED FOR COORDINATION WITHIN MECHANICAL AND ELECTRICAL SERVICES. THE OFFSETTING INCLUDES ALL HVAC, HYDRONICS, PLUMBING AND FIRE PROTECTION SERVICES.
- THE DRAWINGS AND SPECIFICATIONS ARE PROVIDING THE MINIMUM PERFORMANCE REQUIREMENTS. THE FIRE PROTECTION SYSTEM SHALL BE PREPARED, COMPLETE, STAMPED, SIGNED AND APPROVED BY A LICENSED SPRINKLER CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR THE FLOW TEST INFORMATION PRIOR TO PREPARATION OF DRAWINGS AND HYDRAULIC CALCULATIONS.
- CONTRACTOR TO PROVIDE FIRE WATCH AS REQUIRED TO MAINTAIN FIRE SAFETY OF THE CONSTRUCTION SITE SCOPE AREA.
- THE CONTRACTOR SHALL PROVIDE FIRE STOPPING ON ALL NEW PIPING AND CONDUIT PENETRATIONS THROUGH A FIRE-RATED WALL OR FLOOR AND ANY HOLES THAT RESULT FROM REMOVAL OF EXISTING SERVICES THROUGH A FIRE-RATED WALL OR FLOOR.
- READ ALL THE DRAWINGS FOR COMPLETE INFORMATION.
- INCLUDE FOR FREEZING OF ALL SERVICES WITH THE ASSUMPTION THAT NO VALVES WILL HOLD AND REPLACE ALL WITH NEW LEVER BALL VALVES (OR SCREW TYPE ONLY WHERE APPROPRIATE).
- THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS AND SITE SURVEYS. THE MECHANICAL SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES BEFORE THE COMMENCEMENT OF ANY WORK.
- ALL EXISTING SERVICES ARE TO REMAIN AS IS UNLESS NOTED ON THE LAYOUT TO BE REMOVED, RELOCATED AND OR MODIFIED.

HVAC DEMO DRAWING NOTES:

- DIFFUSER/GRILLE TO BE DEMOLISHED. CAP DUCTWORK BACK TO MAIN, AS SHOWN.
- TRANSFER AIR DUCT TO BE DEMOLISHED.
- EXISTING THERMOSTAT TO BE REMOVED IN ITS ENTIRETY INCLUDING ALL CONTROL WIRING. THERMOSTAT TO BE RETAINED AND PROPERLY STORED FOR RE-USE IN THE RELOCATED AREA AS SHOWN ON THE NEW WORK PLAN.



HVAC GENERAL NEW NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, MINISTRY OF THE ENVIRONMENT, MINISTRY OF LABOUR, NFPA BUILDING MANAGEMENT'S GUIDELINES (REFER TO ARCH SPEC).
- ALL NEW SERVICES SHOWN ARE DIAGRAMMATIC ONLY. THE ARRANGEMENTS OF EQUIPMENT SHOWN ARE APPROXIMATE AND MAY BE ALTERED ON SITE TO MEET THE ON-SITE CONDITIONS OF THE PROJECT. CONTRACTOR TO REVIEW ALL THE EXISTING SERVICES AND COORDINATE WITH THE NEW INSTALLATION.
- CONTRACTOR TO COORDINATE WITH THE BUILDING MANAGEMENT FOR APPROVAL OF ANY SHUT DOWN OF EXISTING SYSTEMS/SERVICES. THE CONTRACTOR SHALL DETERMINE THE BEST METHOD TO MINIMIZE SERVICE INTERRUPTION AND IMPACT ON FACILITY OPERATION, INCLUDING USE OF HOT TAP/TEMPORARY FREEZING AND AFTER-HOUR WORK AS REQUIRED. PROVIDE MIN. ONE WEEK NOTICE FOR BUILDING MANAGEMENT TO PLAN THE SHUT DOWN. CONTRACTOR TO ENSURE MIN. SHUTDOWNS.
- CONTRACTOR TO REROUTE ANY EXISTING SERVICES IF REQUIRED TO INSTALL NEW SERVICES. ALL SERVICES SHALL BE INSTALLED USING EXISTING BEAM OPENINGS AS MUCH AS POSSIBLE. IN THE EVENT OF NO SPACE THROUGH BEAM OPENING, SERVICES SHALL BE INSTALLED AS HIGH AS POSSIBLE TO THE UNDERSIDE OF THE BEAM. COORDINATE ALL SERVICES PRIOR TO INSTALLATION. THE LOWER SERVICES INSTALLED WILL BE ASKED TO RELOCATE IF SPACE AVAILABLE AT HIGH LEVEL.
- COORDINATE WITH ALL CONSULTANT DRAWINGS BEFORE ORDERING ANY NEW EQUIPMENT, GRILLES & DIFFUSERS, SPRINKLER HEADS ETC.
- CONTRACTOR TO INCLUDE FOR ALL OFFSETS REQUIRED FOR COORDINATION WITHIN MECHANICAL AND ELECTRICAL SERVICES. THE OFFSETTING INCLUDES ALL HVAC, HYDRONICS, PLUMBING AND FIRE PROTECTION SERVICES.
- THE DRAWINGS AND SPECIFICATIONS ARE PROVIDING THE MINIMUM PERFORMANCE REQUIREMENTS. THE FIRE PROTECTION SYSTEM SHALL BE PREPARED, COMPLETE, STAMPED, SIGNED AND APPROVED BY A LICENSED SPRINKLER CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR THE FLOW TEST INFORMATION PRIOR TO PREPARATION OF DRAWINGS AND HYDRAULIC CALCULATIONS.
- CONTRACTOR TO PROVIDE FIRE WATCH AS REQUIRED TO MAINTAIN FIRE SAFETY OF THE CONSTRUCTION SITE SCOPE AREA.
- THE CONTRACTOR SHALL PROVIDE FIRE STOPPING ON ALL NEW PIPING AND CONDUIT PENETRATIONS THROUGH A FIRE-RATED WALL OR FLOOR AND ANY HOLES THAT RESULT FROM REMOVAL OF EXISTING SERVICES THROUGH A FIRE-RATED WALL OR FLOOR.
- READ ALL THE DRAWINGS FOR COMPLETE INFORMATION.
- INCLUDE FOR FREEZING OF ALL SERVICES WITH THE ASSUMPTION THAT NO VALVES WILL HOLD AND REPLACE ALL WITH NEW LEVER BALL VALVES (OR SCREW TYPE ONLY WHERE APPROPRIATE).
- THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS AND SITE SURVEYS. THE MECHANICAL CONTRACTOR SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES BEFORE THE COMMENCEMENT OF ANY WORK.
- ALL EXISTING SERVICES ARE TO REMAIN AS IS UNLESS NOTED ON THE LAYOUT TO BE REMOVED, RELOCATED AND OR MODIFIED.

HVAC NEW DRAWING NOTES:

- EXISTING EA DUCT TO EF-7 ON THE ROOF.
- PROVIDE AND INSTALL NEW DIFFUSER/GRILLE. CONNECT TO EXISTING MAIN DUCTWORK AS SHOWN. PROVIDE BALANCING DAMPER AT EACH BRANCH DUCT SERVING NEW DIFFUSER/GRILLE. BALANCE AIRFLOW TO EACH DIFFUSER/GRILLE IN L/S AS INDICATED ON PLAN. REFER TO DIFFUSERS & GRILLES SCHEDULE ON MECHANICAL SCHEDULE DRAWINGS.
- EXISTING 400X300 EA DUCT
- SDS LINEAR SLOT DIFFUSER WITH SDA PLENUM BOX (TYP.)
- EXISTING 750X750 EA DUCT TO REMAIN
- EA DUCT UP TO EF-1 ON ROOF
- TRANSFER AIR DUCT AT WALL ABOVE CEILING ON FIRE DAMPER (WHERE SHOWN). ALL TRANSFER AIR DUCT SHALL BE 300MM X 200MM LINED WITH 25MM ACOUSTIC INSULATION (TYP.)
- 250X250 EA DUCT UP TO EF-81 ON ROOF. REPLACE GRILLE.

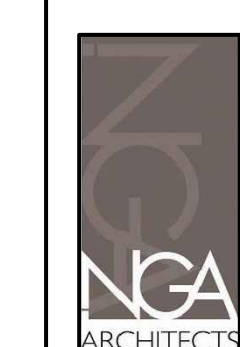
NO.	DESCRIPTION	DATE
7	ISSUED FOR CONSTRUCTION	2026.08.21
8	ISSUED FOR ADDM	2026.08.24
9	ISSUED FOR TENDER	2026.05.01
4	ISSUED FOR BUILDING PERMIT	2026.04.08
3	ISSUED FOR 100% CLIENT REVIEW	2026.03.31
2	ISSUED FOR 65% CLIENT REVIEW	2026.01.09
1	ISSUED FOR COSTING REVIEW	2026.11.24

REVISIONS

PROJECT



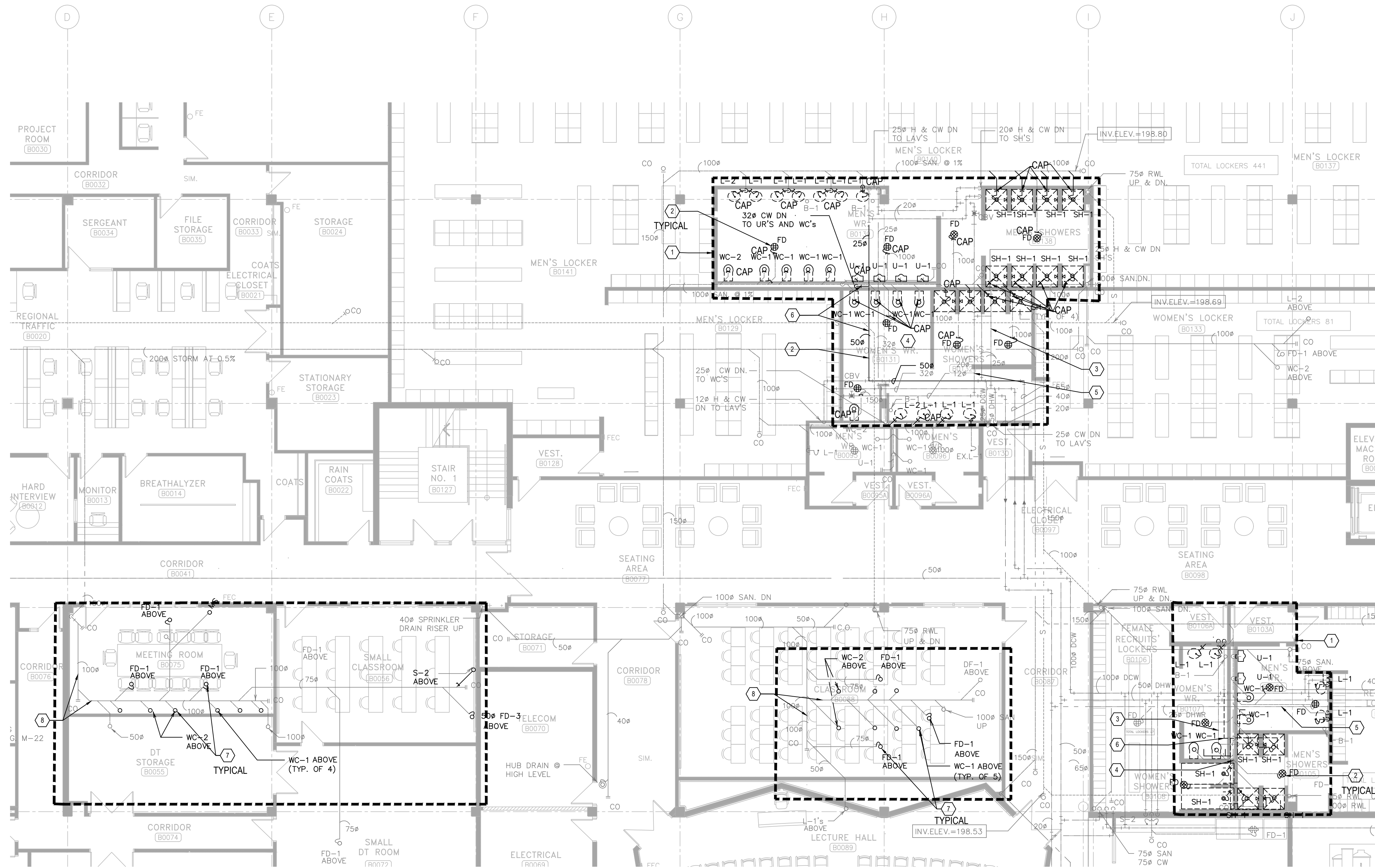
REGION OF PEEL
EMIL V. KOLB CENTRE
PEEL REGIONAL POLICE FACILITY
INTERIOR RENOVATION PROJECT
180 RORY ROAD EAST, MISSISSAUGA, ON L2Y 2Y5



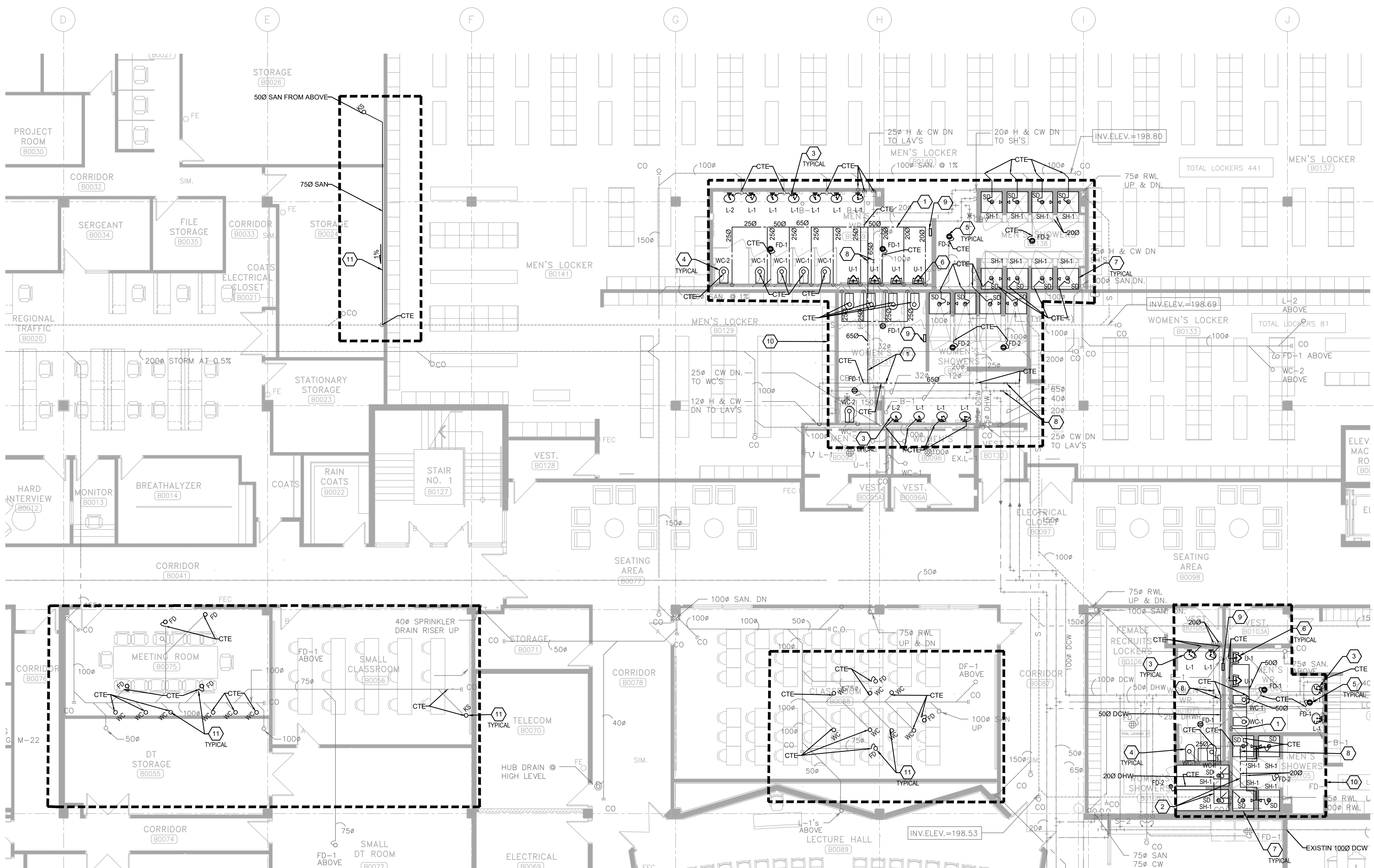
STRUCTURAL CONSULTANT
STEPHENSON ENGINEERING
MECHANICAL CONSULTANT
EXP SERVICES INC.
ELECTRICAL CONSULTANT
EXP SERVICES INC.

SHEET TITLE
PARTIAL THIRD FLOOR -
HVAC DEMO & NEW

SHEET NO.
M204
DRAWN BY
H.BELL
CHECKED
M.E.
PROJECT NO.
MRK-25008951-A0
SCALE



1
M301
SCALE
PARTIAL BASEMENT PLUMBING PLAN - DEMO



2
M301
SCALE
PARTIAL BASEMENT PLUMBING PLAN - NEW

PLUMBING GENERAL DEMO NOTES:

1. ALL EXISTING AND NEW PLUMBING PIPE SIZES SHOWN AS METRIC (MM).
2. PRIOR TO COMMENCEMENT OF THE WORK, ORDERING OF EQUIPMENT AND/OR FABRICATING MATERIALS, THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF ANY DISCREPANCIES, OMISSIONS AND/OR INTERFERENCES PRIOR TO COMMENCEMENT OF THE WORK.
3. DEMOLITION DRAWINGS HAVE BEEN PREPARED AS A GENERAL GUIDE TO THE CONTRACTOR. NOT ALL SERVICES HAVE BEEN SHOWN. THE CONTRACTOR SHALL REMOVE ALL REDUNDANT SERVICES TO THE NEAREST ACTIVE REMAINING SOURCE, WHETHER THEY HAVE OR HAVE NOT BEEN SHOWN. NO EXTRAS WILL BE ENTERTAINED FOR DEMOLITION.
4. SOME DEMOLITION HAS BEEN SHOWN BASED ON EXISTING 'AS BUILT' DWG FROM ORIGINAL CONSTRUCTION AND VARIOUS KNOWN RETROFITS AND ALTERATIONS. NOT ALL SERVICES HAVE BEEN SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SURVEY THE SPACE AND VERIFY THE EXTENT OF DEMOLITION WORK INVOLVED.
5. UNLESS SPECIFICALLY SHOWN TO REMAIN ON THE DRAWINGS, REMOVE ALL EXISTING (SAN, V, ST, CW, HW, HWR, ETC.) PIPING, FITTINGS & FITTINGS, EQUIPMENT, SUPPORTS ETC. FROM AREA OF RENOVATION. ALLOW FOR CUTTING AND PATCHING OF CEILINGS AND WALLS NECESSARY TO REMOVE SERVICES IN THE EVENT THAT THE EXISTING CEILINGS OR WALLS ARE NOT BEING REMOVED BY THE GENERAL CONTRACTOR.
6. REMOVE PLUMBING FIXTURES AS SHOWN, CUT BACK DRAIN, VENT, WATER PIPING ETC. BACK TO RISER OR NEAREST ACTIVE SOURCE. COORDINATE WITH MAINTENANCE DEPARTMENT WHICH FIXTURES THEY WISH TO KEEP. TRANSPORT THOSE FIXTURE TO STORAGE. REMOVE AND DISPOSE ALL UNWANTED FIXTURES.
7. PRIOR TO DEMOLITION, COORDINATE SHUT DOWN WITH BUILDING OPERATION TEAM AND ISOLATE SERVICES. PHASING REQUIREMENTS OF PROJECT MAY REQUIRE SOME EXISTING SERVICE BE LEFT IN OPERATION UNTIL NEW SERVICES ARE INSTALLED. CAREFULLY REVIEW PHASING SET OUT BY ARCHITECT.
8. WHERE MECHANICAL EQUIPMENT (E. AC UNIT, ELECTRIC WATER HEATER, FAN, DISHWASHER/S) REMOVED, COORDINATE PROMPTLY WITH GENERAL CONTRACTOR AND ELEC. DIV. TO DISCONNECT AND MAKE SAFE THE ASSOCIATED POWER SUPPLY. MECH. DIV. 15 SHALL ENSURE THAT NO ABANDONED LIVE POWER CORD IS LEFT UNPROTECTED AT ANY TIME.
9. WHERE PIPE IS REMOVED THROUGH FIRE-RATED WALL OR FLOOR ASSEMBLIES, PROVIDE ULC-CLASSIFIED FIRE STOPPING SYSTEMS THAT ARE TESTED IN ACCORDANCE WITH CAN-515 AND INSTALL ALL FIRE STOPPING SYSTEM IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTION. STANDARD OF ACCEPTANCE: 3M, HILT.
10. DURING DEMOLITION, CONTRACTOR SHOULD INCLUDE VIDEO SCOPING FOR THE PLUMBING WORK. BEFORE AND AFTER CONSTRUCTION AND REPORT BACK TO ENGINEER FOR ANY DAMAGE, BROKEN, LEAKAGE AND ANY DISCREPANCIES. WHERE EXISTING PIPE INSULATIONS/DAMAGES FOUND TO REQUIRE REPAIR, RECORD THE EXTENT OF THE REQUIRES REPAIR ON PLANS AND REPORT TO THE CLIENT/CONSULTANT.

PLUMBING DEMO DRAWING NOTES:

- ① DEMO SHALL EXISTING PLUMBING FIXTURES IN THIS SCOPE COMPLETE WITH ALL ASSOCIATED PLUMBING AND TRIMS, INCLUDING BUT NOT LIMITED TO DOMESTIC COLD HOT WATER, VENT AND SANITARY. ALL PIPING SHALL BE CAPPED BACK TO MAIN AS INDICATED. FUTURE SANITARY DRAIN TO BE CUT BACK TO WALL FOR FUTURE CONNECTION. ISOLATION, HANGERS AND SUPPORT NOT BEING REUSED AS PART OF THIS CONTRACT. SEAL AND PATCH ALL WALL/FLOOR OPENING TO MATCH EXISTING OR FOLLOW THE ARCHITECT REQUIREMENT (TYPICAL).
- ② DEMOLISH EXISTING FLOOR DRAIN AND CAP BACK SANITARY DRAIN BACK TO MAIN AT SLAB. SEAL AND PATCH ALL WALL/FLOOR OPENING TO MATCH EXISTING OR FOLLOW THE ARCHITECT REQUIREMENT (TYPICAL).
- ③ EXISTING DOMESTIC HOT WATER (DHW) SUPPLY MAIN TO REMAIN.
- ④ EXISTING BURIED SANITARY DRAIN TO REMAIN.
- ⑤ EXISTING DHWR PIPING TO REMAIN.
- ⑥ EXISTING DOW PIPE TO BE REMOVED AND REPLACED WITH LARGER SIZE PIPE. REFER TO DRAWING ON NEW WORK PLAN.
- ⑦ EXISTING SANITARY DRAIN BRANCH SERVING ABOVE FLOOR TOILET, FLOOR DRAIN AND PENETRATING THE SLAB DOWN TO THIS FLOOR CEILING SPACE TO BE REMOVED AND CAPPED BACK TO MAIN (TYPICAL).
- ⑧ EXISTING SANITARY MAIN TO SERVING FUTURE FLOOR ABOVE TO REMAIN.

PLUMBING GENERAL NEW WORK NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, MINISTRY OF THE ENVIRONMENT, MINISTRY OF LABOUR, NPLA BUILDING MANAGEMENTS GUIDELINES (REFER TO ARCH. SPEC).
2. ALL NEW SERVICES SHOWN ARE DIAGRAMMATIC ONLY. THE ARRANGEMENTS OF EQUIPMENT SHOWN ARE APPROXIMATE AND MAY BE ALTERED ON SITE TO MEET THE ON-SITE CONDITIONS OF THE PROJECT. CONTRACTOR TO REVIEW ALL THE EXISTING SERVICES AND COORDINATE WITH THE NEW INSTALLATION.
3. CONTRACTOR TO COORDINATE WITH THE BUILDING MANAGEMENT FOR APPROVAL OF ANY SHUT DOWN OF EXISTING SYSTEMS/SERVICES. THE CONTRACTOR SHALL DETERMINE THE BEST METHOD TO MINIMIZE SERVICE INTERRUPTION AND IMPACT ON FACILITY OPERATION, INCLUDING USE OF HOT TAP/TEMPORARY FREEZING AND AFTER-HOUR WORK AS REQUIRED. PROVIDE MIN. ONE WEEK NOTICE FOR BUILDING MANAGEMENT TO PLAN THE SHUT DOWN. CONTRACTOR TO ENSURE MIN. SHUTDOWNS.
4. CONTRACTOR TO ROUTE ANY EXISTING SERVICES IF REQUIRED TO INSTALL NEW SERVICES. ALL SERVICES SHALL BE INSTALLED USING EXISTING BEAM OPENINGS AS MUCH AS POSSIBLE. IN THE EVENT OF NO SPACE THROUGH BEAM OPENING, SERVICES SHALL BE INSTALLED AS HIGH AS POSSIBLE TO THE UNDERSIDE OF THE BEAM. COORDINATE ALL SERVICES PRIOR TO INSTALLATION. THE LOWER SERVICES INSTALLED WILL BE ASKED TO RELOCATE IF SPACE AVAILABLE AT HIGH LEVEL.
5. COORDINATE WITH ALL CONSULTANT DRAWINGS BEFORE ORDERING ANY NEW EQUIPMENT. GRILLES & DIFFUSERS, SPRINKLER HEADS ETC.
6. CONTRACTOR TO INCLUDE FOR ALL OFFSETS REQUIRED FOR COORDINATION WITHIN MECHANICAL AND ELECTRICAL SERVICES. THE OFFSET INCLUDES ALL HVAC, HYDRONICS, PLUMBING AND FIRE PROTECTION SERVICES.
7. THE DRAWINGS AND SPECIFICATIONS, PROVIDE THE MINIMUM PERFORMANCE REQUIREMENTS. THE FIRE PROTECTION SYSTEM SHALL BE PREPARED, COMPLETE, STAMPED, SIGNED, AND APPROVED BY A LICENSED SPRINKLER CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE FLOW TEST INFORMATION PRIOR TO PREPARATION OF DRAWINGS AND HYDRAULIC CALCULATIONS.
8. CONTRACTOR TO PROVIDE FIRE WATCH AS REQUIRED TO MAINTAIN FIRE SAFETY OF THE CONSTRUCTION SITE SCOPE AREA.
9. THE CONTRACTOR SHALL PROVIDE FIRE STOPPING ON ALL NEW PIPING AND CONDUT PENETRATIONS THROUGH A FIRE-RATED WALL OR FLOOR AND ANY HOLES THAT RESULT FROM REMOVAL OF EXISTING SERVICES THROUGH A FIRE-RATED WALL OR FLOOR.
10. READ ALL THE DRAWINGS FOR COMPLETE INFORMATION.
11. INCLUDE FOR FREEZING OF ALL SERVICES WITH THE ASSUMPTION THAT NO VALVES WILL HOLD AND REPLACE ALL WITH NEW LEVER BALL VALVES (OR SCREW TYPE ONLY WHERE APPROPRIATE).
12. THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS AND SITE SURVEYS. THE MECHANICAL CONTRACTOR SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES BEFORE THE COMMENCEMENT OF ANY WORK.
13. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CUTTING EXISTING WALLS AND FLOOR SLAB. IF EXISTING SERVICES ARE OUTDAMAGED IT IS THE CONTRACTOR'S RESPONSIBILITY TO PATCH AND REPAIR THE SERVICE.
14. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS OPERATION OF PLUMBING STACKS AND WATER SUPPLY MAINS THAT REQUIRE OFFSETTING AND MAKE ANY NEW CONNECTIONS RESPECTIVELY DURING CONSTRUCTION PERIOD.
15. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR FINAL SERVICE ROUTING ON SITE.
16. CONTRACTOR TO ALLOW ADDITIONAL 20 PIPE HANGERS/FLOOR AND SUPPORTS ON EXISTING PIPING IF NECESSARY. THE CREDIT FOR THE HANGERS SHALL BE GIVEN BACK TO THE BUILDING MANAGEMENT IF NOT USED.
17. CONTRACTOR TO ALLOW FOR INSULATION ON EXISTING PIPING IF IT IS DAMAGED OR MISSED.
18. CAP ALL OBSOLETE WASTE PIPING BELOW THE SLAB. WATER PIPING BACK AT MAINS AND VENT PIPING ABOVE FINISHED CEILINGS. PATCH ALL FLOORS, WALL AND CEILINGS AS REQUIRED TO MEET FIRE RATINGS.
19. FOR DUST CONTROL, CAP EXISTING DUCTS IN THE CONSTRUCTION AREA. CONNECTION TO EXISTING AIR DUCTS TO BE DONE AFTER COMPLETION OF ALL DUST PROOFING TASKS.
20. REMOVE ALL REDUNDANT PIPES, CONDUITS, INCLUDING LOOSE WIRES AND DUCTWORK. CAP AT MAIN.
21. COORDINATE WITH BUILDING OPERATION TEAM FOR SHUT DOWNS AND DRAWING FIRE LINE PRIOR TO COMMENCING NEW WORK. PROVIDE FIRE WATCH AS REQUIRED TO ENSURE BUILDING SAFETY DURING SPRINKLER MAIN PIPE REMOVAL.
22. CONTRACTOR TO PROVIDE TRAP SEAL PRIMER AND PIPING SYSTEM PER OBC PART 7.
23. CONTRACTOR TO PROVIDE SANITARY VENT PIPE PER OBC PART 7 REQUIREMENT WITHIN WET WALL AND UP TO CEILING TO CONNECT TO EXISTING BUILDING VENT MAIN. CONTRACTOR TO VERIFY THE EXISTING AVAILABLE VENT PIPE LOCATION AND THE EXACT CONNECT POINT ON SITE.
24. ALL SERVICES WITHIN THE CEILING SPACE SHALL BE OUTSIDE THE SHAFT AND ALL SERVICES BELOW CEILING SHALL BE CAPPED WITHIN THE SHAFT ENCLOSURE CONTRACTOR TO COORDINATE THE SHAFT OPENING SIZE.

PLUMBING NEW WORK DRAWING NOTES:

- ① PROVIDE NEW DOMESTIC COLD WATER PIPE (DCW) C/W INSULATION AND ALL ACCESSORIES FROM DCW SUPPLY RISER WITHIN CEILING SPACE TO SERVE NEW PLUMBING FIXTURES AS SHOWN.
- ② PROVIDE NEW DOMESTIC HOT WATER PIPE (DHW) C/W INSULATION AND ALL ACCESSORIES FROM EXISTING DHWR SUPPLY MAIN WITHIN CEILING SPACE TO SERVE PLUMBING FIXTURE AS SHOWN.
- ③ NEW LAVATORY: PROVIDE NEW 150 HOT AND COLD WATER LINES, 320 VENT LINE AND 400 SANITARY LINE FROM L1-TL-2 TO THE BACK TO EXISTING DOW, DHW AND SANITARY DRAIN BRANCH BACK TO THE WALL. ALLOW FOR CUTTING AND PATCHING WALL, FLOOR, CEILING ON FLOOR ABOVE AS NEEDED. (TYPICAL). CONTRACTOR TO VERIFY THE EXACT CONNECTION POINT AND COORDINATE ON SITE. (TYPICAL).
- ④ NEW FLOOR MOUNTED TOILET TO REPLACE EXISTING AT SAME LOCATION. PROVIDE 200 COLD WATER LINE DOWN TO NEW WC-11 WC-2, 500 VENT LINE UP FROM WC-11 WC-2 AND 750 SANITARY LINE DOWN FROM WC-11 WC-2 TO EXISTING DRAIN BRANCH. ALLOW FOR CUTTING AND PATCHING WALL, FLOOR AND CEILING ON FLOOR BELOW AS NEEDED. ALLOW FOR X-RAY/SCANNING, TRENCHING, AND BACKFILL OF EXISTING FLOOR SLAB CONTRACTOR TO VERIFY THE EXACT CONNECTION POINT AND COORDINATE ON SITE. (TYPICAL).
- ⑤ NEW FLOOR DRAIN 'FD-1', PROVIDE NEW DRAIN TRAP AND 1000 DRAIN BRANCH TIE BACK TO EXISTING BURIED SANITARY DRAIN. CONTRACTOR TO VERIFY THE EXACT CONNECTION POINT AND COORDINATE ON SITE. (TYPICAL).
- ⑥ NEW WALL MOUNTED URINAL AT SAME LOCATION TO REPLACE EXISTING. PROVIDE 300 COLD WATER LINE DOWN TO NEW U-1, 400 VENT LINE UP FROM U-1 AND 500 SANITARY LINE DOWN FROM U-1 AND TIE BACK TO EXISTING SANITARY DRAIN IN WALL. ALLOW FOR CUTTING AND PATCHING WALL, FLOOR AND CEILING ON FLOOR BELOW AS NEEDED. ALLOW FOR X-RAY/SCANNING, TRENCHING, AND BACKFILL OF EXISTING FLOOR SLAB. CONTRACTOR TO VERIFY THE EXACT CONNECTION POINT AND COORDINATE ON SITE. (TYPICAL).
- ⑦ NEW SHOWER BOTH AND SHOWER HEAD. PROVIDE 120 HOT AND COLD WATER LINES DOWN TO NEW SH-1/SH-2, 1-1/4" VENT LINE UP FROM SH-1/SH-2 AND 750 SANITARY LINE DOWN FROM SH-1/SH-2 AND TIE BACK TO EXISTING BURIED SANITARY DRAIN. ALLOW FOR CUTTING AND PATCHING WALL, FLOOR AND CEILING ON FLOOR BELOW AS NEEDED. ALLOW FOR X-RAY/SCANNING, TRENCHING, AND BACKFILL OF EXISTING FLOOR SLAB. CONTRACTOR TO VERIFY THE EXACT CONNECTION POINT AND COORDINATE ON SITE. (TYPICAL).
- ⑧ PROVIDE NEW SHUTOFF VALVE IN NEW OR EXISTING DOW/DHW LINE AS INDICATED ON THE PLAN. (TYPICAL).
- ⑨ PROVIDE ELECTRONIC TYPE TRAP SEAL PRIMER AS PER OBC PART 7 REQUIREMENT. FINAL LOCATION TO BE COORDINATE ON SITE (TYPICAL).
- ⑩ PROVIDE SANITARY VENT PIPE PER OBC PART 7 REQUIREMENT WITHIN WET WALL AND UP TO CEILING TO CONNECT TO EXISTING BUILDING VENT MAIN. CONTRACTOR TO VERIFY THE EXISTING AVAILABLE VENT PIPE LOCATION AND THE EXACT CONNECTION POINT ON SITE (TYPICAL).
- ⑪ INSTALL NEW SANITARY DRAIN FROM FLOOR ABOVE BY PENETRATING THE SLAB AND CONNECTING IT TO THE EXISTING SANITARY MAIN BRANCH IN THE CEILING SPACE. THE CONTRACTOR MUST COORDINATE AND ADJUST THE PENETRATION POINTS TO ACCOMMODATE THE NEW FIXTURES. ALL FLOOR AND SLAB OPENINGS MUST BE PATCHED AND SEALED TO MATCH THE EXISTING FINISH OR MEET THE ARCHITECT'S SPECIFICATIONS. THIS REQUIREMENT APPLIES TO ALL SUCH INSTALLATIONS.

NO.	DESCRIPTION	DATE
7	ISSUED FOR CONSTRUCTION	2026.08.21
8	ISSUED FOR ADDM	2026.08.24
9	ISSUED FOR TENDER	2026.08.01
4	ISSUED FOR BUILDING PERMIT	2026.04.08
3	ISSUED FOR 100% CLIENT REVIEW	2026.03.31
2	ISSUED FOR 65% CLIENT REVIEW	2026.01.09
1	ISSUED FOR COSTING REVIEW	2025.11.24

NO. DESCRIPTION DATE

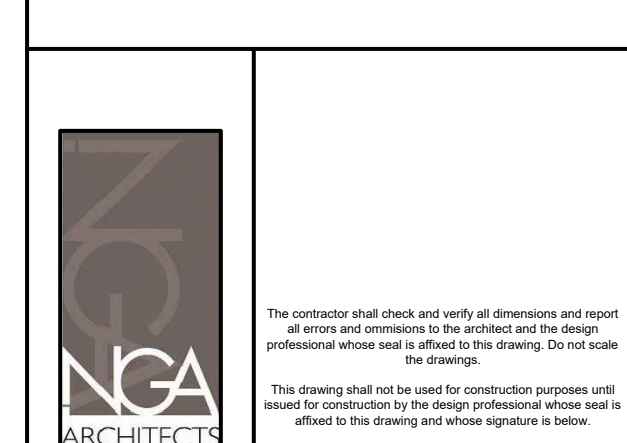
REVISIONS

PROJECT



REGION OF PEEL

EMIL V. KOLB CENTRE
PEEL REGIONAL POLICE FACILITY
INTERIOR RENOVATION PROJECT
180 DERRY ROAD EAST, MISSISSAUGA, ON L5T 2Y5



STRUCTURAL CONSULTANT
STEPHENSON ENGINEERING
MECHANICAL CONSULTANT
EXP Services Inc.
ELECTRICAL CONSULTANT
EXP Services Inc.

SHEET TITLE

PARTIAL BASEMENT FLOOR - PLUMBING DEMO & NEW

SHEET NO.

M301

DRAWN BY

MRK

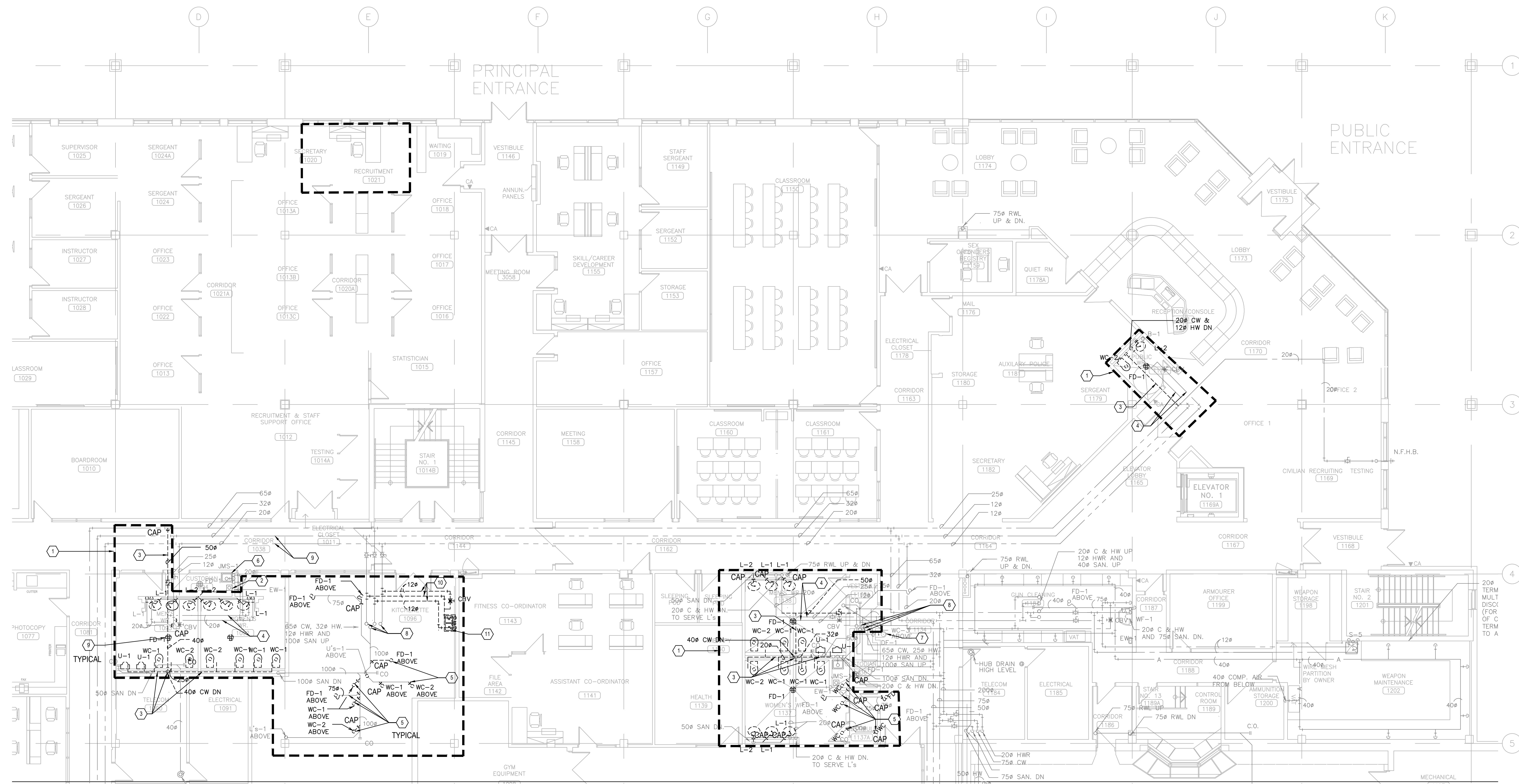
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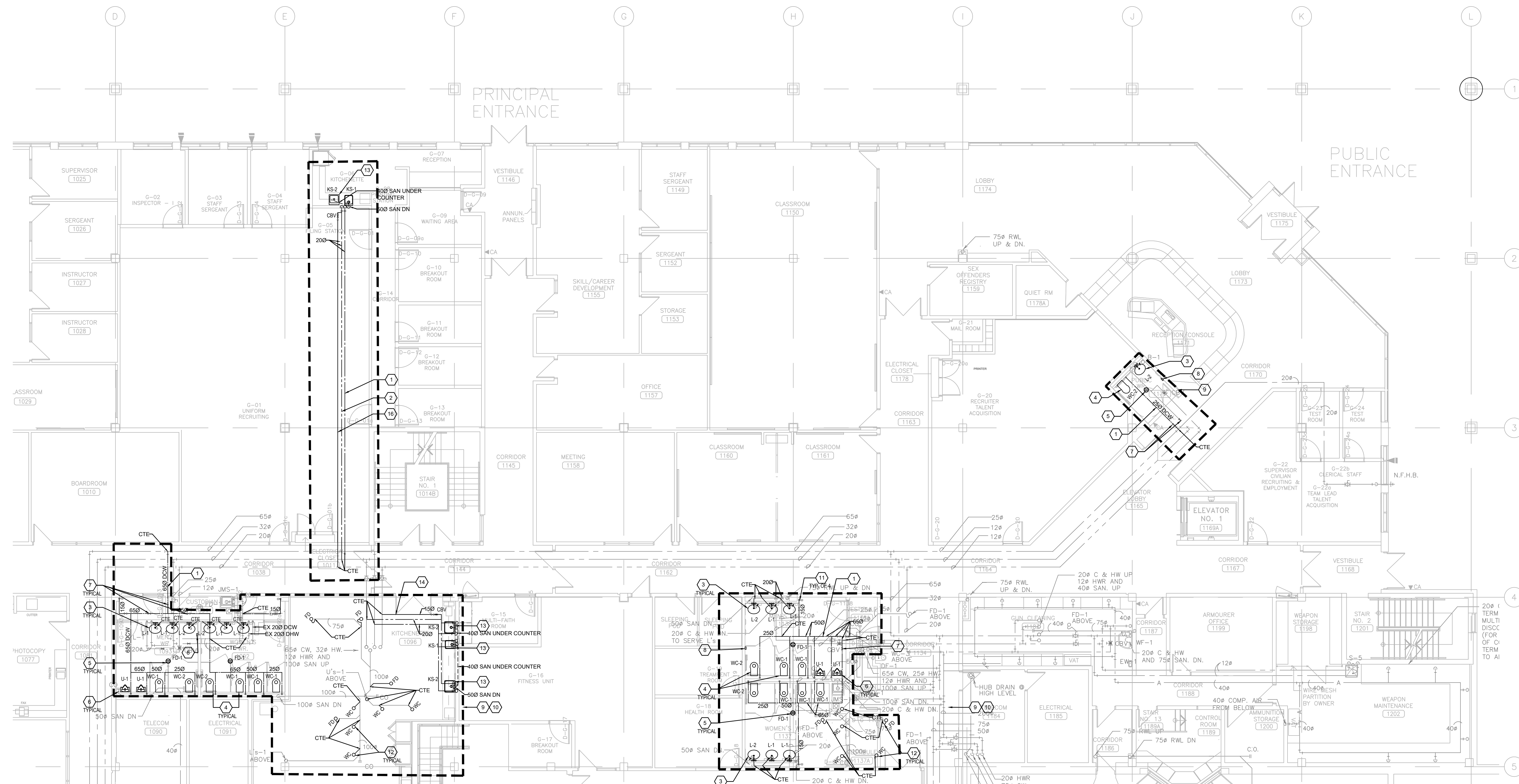
PROJECT NO.

MRK-25008951-A0

SCALE



1
M302
SCALE
1:60



2
M302
SCALE
1:60

PLUMBING GENERAL DEMO NOTES:

1. ALL EXISTING AND NEW PLUMBING PIPE SIZES SHOWN AS METRIC (MM).
2. PRIOR TO COMMENCEMENT OF THE WORK, ORDERING OF EQUIPMENT AND/OR FABRICATING MATERIALS, THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF ANY DISCREPANCIES, OMISSIONS AND/OR INTERFERENCES PRIOR TO COMMENCEMENT OF THE WORK.
3. DEMOLITION DRAWINGS HAVE BEEN PREPARED AS A GENERAL GUIDE TO THE CONTRACTOR. NOT ALL SERVICES HAVE BEEN SHOWN. THE CONTRACTOR SHALL REMOVE ALL REDUNDANT SERVICES TO THE NEAREST ACTIVE REMAINING SOURCE, WHETHER THEY HAVE OR HAVE NOT BEEN SHOWN. NO EXTRAS WILL BE ENTERTAINED FOR DEMOLITION.
4. SOME DEMOLITION HAS BEEN SHOWN BASED ON EXISTING 'AS BUILT' DINGS FROM ORIGINAL CONSTRUCTION AND VARIOUS KNOWN RETROFITS AND ALTERATIONS. NOT ALL SERVICES HAVE BEEN SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SURVEY THE SPACE AND VERIFY EXTENT OF DEMOLITION WORK INVOLVED.
5. UNLESS SPECIFICALLY SHOWN TO REMAIN ON THE DRAWINGS, REMOVE ALL EXISTING (SAN, V, ST, CN, HW, HWR, ETC) PIPING FIXTURES & FITTINGS, EQUIPMENT, SUPPORTS ETC FROM AREA OF RENOVATION. ALLOW FOR CUTTING AND PATCHING OF CEILINGS AND WALLS NECESSARY TO REMOVE SERVICES IN THE EVENT THE EXISTING CEILINGS OR WALLS ARE NOT BEING REMOVED BY THE GENERAL CONTRACTOR.
6. REMOVE PLUMBING FIXTURES AS SHOWN. CUT BACK DRAIN, VENT, WATER PIPING ETC. BACK TO RISER OR NEAREST ACTIVE SOURCE. COORDINATE WITH MAINTENANCE DEPARTMENT WHICH FIXTURES THEY WISH TO KEEP. TRANSPORT THOSE FIXTURE TO STORAGE. REMOVE AND DISPOSE ALL UNWANTED FIXTURES.
7. PRIOR TO DEMOLITION, COORDINATE SHUT DOWN WITH BUILDING OPERATION TEAM AND ISOLATE SERVICES. PHASING REQUIREMENTS OF PROJECT MAY REQUIRE SOME EXISTING SERVICE BE LEFT IN OPERATION UNTIL NEW SERVICES ARE INSTALLED. CAREFULLY REVIEW PHASING SET OUT BY ARCHITECT.
8. WHERE MECHANICAL EQUIPMENT (E. AC UNIT, ELECTRIC WATER HEATER, FAN, DISHWASHER) IS REMOVED, COORDINATE PROMPTLY WITH GENERAL CONTRACTOR AND ELEC. DIV. TO DISCONNECT AND MAKE SAFE 154 ASSOCIATED POWER SUPPLY. MECH. DIV. IS TO ENSURE THAT NO ABANDONED LIVE POWER CORD IS LEFT UNPROTECTED AT ANY TIME.
9. WHERE PIPE IS REMOVED THROUGH FLOOR-RATED WALL OR FLOOR ASSEMBLY, PROVIDE (UL-C) CLASSIFIED FIRE STOPPING SYSTEMS THAT ARE TESTED IN ACCORDANCE WITH CANA-S115 AND INSTALL ALL FIRE STOPPING SYSTEM IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTION. STANDARD OF ACCEPTANCE: 3M, ULT.
10. DURING DEMOLITION, CONTRACTOR SHOULD INCLUDE VIDEO SCOPING FOR THE PLUMBING WORK BEFORE AND AFTER CONSTRUCTION AND REPORT BACK TO ENGINEER FOR ANY DAMAGE, BROKEN, LEAKAGE AND ANY DISCREPANCIES. WHERE EXISTING PIPE INSULATIONS/ DAMAGES FOUND TO REQUIRE REPAIR, RECORD THE EXTENT OF THE REQUIRES REPAIR ON PLANS AND REPORT TO THE CLIENT/CONSULTANT.

PLUMBING DEMO DRAWING NOTES:

1. DEMOLISH ALL EXISTING PLUMBING FIXTURES IN THE SCOPE COMPLETE WITH ALL ASSOCIATED PLUMBING AND TRIMS, INCLUDING BUT NOT LIMITED TO DOMESTIC COLD HOT WATER, VENT AND SANITARY. ALL DOW & DRAIN BRANCH PIPING SHALL BE CAPPED BACK TO WALL, LAVATORY AND URINAL, SANITARY DRAIN TO BE CUT BACK TO WALL FOR FUTURE CONNECTION. TOILET SANITARY DRAIN CAP BACK TO THE FLOOR BELOW AT MAIN. FOR FUTURE CONNECTION, INSULATION, HANGERS AND SUPPORT NOT BEING REUSED AS PART OF THIS CONTRACT. SEAL AND PATCH ALL WALL/FLOOR OPENINGS TO MATCH EXISTING OR FOLLOW THE ARCHITECT REQUIREMENT. (TYPICAL).
2. EXISTING EYE WASH STATION AND ALL ACCESSORIES TO REMAIN.
3. DEMOLISH EXISTING DOW SUPPLY MAIN BRANCH AS INDICATED ON THE PLAN. PROVIDE NEW SIZE DOW PIPE AND RISER AS INDICATED ON NEW WORK PLAN.
4. EXISTING DIHR, DIHR DISTRIBUTION MAIN BRANCH TO REMAIN.
5. EXISTING SANITARY DRAIN BRANCH SERVING ABOVE FLOOR TOILET, FLOOR DRAIN, MOP DRAIN TO BE REMOVED AND CAPPED BACK TO MAIN AS SHOWN (TYPICAL).
6. EXISTING MOP SINK REMAIN.
7. EXISTING DRINK FOUNTAIN TO REMAIN.
8. EXISTING SANITARY, DIHR, DIHR RISER IN PIPE CHASE TO REMAIN.
9. REMOVE EXISTING FLOOR DRAIN, CAP SANITARY DRAIN BACK TO MAIN IN CEILING SPACE AT FLOOR BELOW FOR FUTURE CONNECTION. (TYPICAL).
10. DEMOLISH EXISTING DOW, DIHR, DIHR SUPPLY BRANCH AS INDICATED ON THE PLAN.
11. DEMOLISH EXISTING KITCHEN SINK WITH ALL ASSOCIATED PLUMBING AND TRIMS, INCLUDING BUT NOT LIMITED TO DOMESTIC COLD HOT WATER VENT AND SANITARY. ALL DOW & DIHR, DIHR BRANCH PIPING SHALL BE CAPPED BACK TO WALL. SANITARY DRAIN TO BE CUT BACK TO WALL OR SLAB FOR FUTURE CONNECTION.

PLUMBING GENERAL NEW WORK NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, MINISTRY OF THE ENVIRONMENT, MINISTRY OF LABOUR, NFPA, BUILDING MANAGER'S GUIDELINES (REFER TO ARCH. SPEC).
2. ALL NEW SERVICES SHOWN ARE DEMONSTRATING ONLY. THE ARRANGEMENTS OF EQUIPMENT SHOWN ARE APPROXIMATE AND MAY BE ALTERED ON SITE TO MEET THE ON-SITE CONDITIONS OF THE PROJECT. CONTRACTOR TO REVIEW ALL THE EXISTING SERVICES AND COORDINATE WITH THE NEW INSTALLATION.
3. CONTRACTOR TO COORDINATE WITH THE BUILDING MANAGEMENT FOR APPROVAL OF ANY SHUT DOWN OF EXISTING SYSTEMS. THE CONTRACTOR SHALL DETERMINE THE BEST METHOD TO MINIMIZE SERVICE INTERRUPTION AND IMPACT ON FACILITY OPERATION, INCLUDING USE OF HOT TAPE/TEMPORARY FREEZING AND AFTER-HOUR WORK AS REQUIRED. PROVIDE MIN. ONE WEEK NOTICE FOR BUILDING MANAGEMENT TO PLAN THE SHUT DOWN. CONTRACTOR TO ENSURE MIN. SHUTDOWNS.
4. CONTRACTOR TO REMOVE ANY EXISTING SERVICES REQUIRED TO INSTALL NEW SERVICES. ALL SERVICES SHALL BE INSTALLED USING EXISTING BEAM OPENINGS AS MUCH AS POSSIBLE. IN THE EVENT OF NO SPACE THROUGH BEAM OPENING, SERVICES SHALL BE INSTALLED AS HIGH AS POSSIBLE TO THE UNDERSIDE OF THE BEAM. COORDINATE ALL SERVICES PRIOR TO INSTALLATION. THE LOWER SERVICES INSTALLED WILL BE ASKED TO RELOCATE IF SPACE AVAILABLE AT HIGH LEVEL.
5. COORDINATE WITH ALL CONSULTANT DRAWINGS BEFORE ORDERING ANY NEW EQUIPMENT, GRILLES & DIFFUSERS, SPRINKLER HEADS ETC.
6. CONTRACTOR TO INCLUDE FOR ALL OFFSETS REQUIRED FOR COORDINATION WITH MECHANICAL AND ELECTRICAL SERVICES. THE OFFSETTING INCLUDES ALL HVAC, HYDRONICS, PLUMBING AND FIRE PROTECTION SERVICES.
7. THE DRAWINGS AND SPECIFICATIONS ARE PROVIDING THE MINIMUM PERFORMANCE REQUIREMENTS. THE FIRE PROTECTION SYSTEM SHALL BE PREPARED, COMPLETE, STAMPED, SIGNED, AND APPROVED BY A LICENSED SPRINKLER CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR THE FLOW TEST INFORMATION PRIOR TO PREPARATION OF DRAWINGS AND HYDRAULIC CALCULATIONS.
8. CONTRACTOR TO PROVIDE FIRE WATCH AS REQUIRED TO MAINTAIN FIRE SAFETY OF THE CONSTRUCTION SITE SCOPE AREA.
9. THE CONTRACTOR SHALL PROVIDE FIRE STOPPING ON ALL NEW PIPING AND CONDUIT PENETRATIONS THROUGH A FIRE-RATED WALL OR FLOOR AND ANY HOLES THAT RESULT FROM REMOVAL OF EXISTING SERVICES THROUGH A FIRE-RATED WALL OR FLOOR.
10. READ ALL THE DRAWINGS FOR COMPLETE INFORMATION.
11. INCLUDE FOR FREEZING OF ALL SERVICES WITH THE ASSUMPTION THAT NO VALVES WILL HOLD AND REPLACE ALL WITH NEW LEVER BALL VALVES (OR SCREW TYPE ONLY WHERE APPROPRIATE).
12. THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS AND SITE SURVEYS. THE MECHANICAL SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES BEFORE THE COMMENCEMENT OF ANY WORK.
13. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CUTTING EXISTING WALLS AND FLOOR SLAB. IF EXISTING SERVICES ARE OUTDAMAGED IT IS THE CONTRACTOR'S RESPONSIBILITY TO PATCH AND REPAIR THE SERVICE.
14. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS OPERATION OF PLUMBING STACKS AND WATER SUPPLY MAINS THAT REQUIRE OFFSETTING AND MAKE ANY NEW CONNECTIONS RESPECTIVELY DURING CONSTRUCTION PERIOD.
15. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR FINAL SERVICE ROUTING ON SITE.
16. CONTRACTOR TO ALLOW ADDITIONAL 20 PIPE HANGERS/FLOOR AND SUPPORTS ON EXISTING PIPING IF NECESSARY. THE CREDIT FOR THE HANGERS SHALL BE GIVEN BACK TO THE BUILDING MANAGEMENT IF NOT USED.
17. CONTRACTOR TO ALLOW FOR INSULATION ON EXISTING PIPING IF IT IS DAMAGED OR MISSED.
18. CAP ALL OBSOLETE WASTE PIPING BELOW THE SLAB. WATER PIPING BACK AT MAINS AND VENT PIPING ABOVE FINISHED CEILINGS. PATCH ALL FLOORS, WALL AND CEILINGS AS REQUIRED TO MEET FIRE RATINGS.
19. FOR DUST CONTROL, CAP EXISTING DUCTS IN THE CONSTRUCTION AREA. CONNECTION TO EXISTING AIR DUCTS TO BE DONE AFTER COMPLETION OF ALL DUST PRODUCING TASKS.
20. REMOVE ALL REDUNDANT PIPES, CONDUITS, INCLUDING LOOSE WIRES AND DUCTWORK. CAP AT MAIN.
21. COORDINATE WITH BUILDING OPERATION TEAM FOR SHUT DOWNS AND DRAINING FIRE LINE TO COMMENCING NEW WORK. PROVIDE FIRE WATCH AS REQUIRED TO ENSURE BUILDING SAFETY DURING SPRINKLER MAIN PIPE REMOVAL.
22. CONTRACTOR TO PROVIDE TRAP SEAL PRIMER AND PIPING SYSTEM PER OBC PART 7.
23. CONTRACTOR TO PROVIDE SANITARY VENT PIPE PER OBC PART 7 REQUIREMENT WITHIN WET WALL AND UP TO CEILING TO CONNECT TO EXISTING BUILDING VENT MAIN. CONTRACTOR TO VERIFY THE EXISTING AVAILABLE VENT PIPE LOCATION AND THE EXACT CONNECTION POINT ON SITE.
24. ALL SERVICES WITHIN THE CEILING SPACE SHALL BE OUTSIDE THE SHAFT AND ALL SERVICES BELOW CEILING SHALL BE CAPPED WITHIN THE SHAFT ENCLOSURE. CONTRACTOR TO COORDINATE THE SHAFT OPENING SIZE.

PLUMBING NEW WORK DRAWING NOTES:

1. PROVIDE NEW DOMESTIC COLD WATER PIPE (DCW) C/W INSULATION AND ALL ACCESSORIES FROM DCW SUPPLY RISER WITHIN CEILING SPACE TO SERVE NEW PLUMBING FIXTURES AS SHOWN.
2. PROVIDE NEW DOMESTIC HOT WATER PIPE (DHW) C/W INSULATION AND ALL ACCESSORIES FROM EXISTING DIHR SUPPLY MAIN WITHIN CEILING SPACE TO SERVE PLUMBING FIXTURE AS SHOWN.
3. NEW LAVATORY, PROVIDE NEW 1/2" HOT AND COLD WATER LINES, 1/2" VENT LINE AND 4/2" SANITARY LINE FROM L-11/2-2 TO THE BACK TO EXISTING DOW, DIHR AND SANITARY DRAIN BRANCH. BACK TO THE WALL. ALLOW FOR CUTTING AND PATCHING WALL, FLOOR, CEILING ON FLOOR ABOVE AS NEEDED. (TYPICAL). CONTRACTOR TO VERIFY THE EXACT CONNECTION POINT AND COORDINATE ON SITE. (TYPICAL).
4. NEW FLOOR MOUNTED TOILET TO REPLACE EXISTING AT SAME LOCATION. PROVIDE 2" COLD WATER LINE DOWN TO NEW WC-11 WC-2, 5/2" VENT LINE UP FROM WC-11 WC-2 AND 7/2" SANITARY LINE DOWN FROM WC-11 WC-2 TO THE EXISTING DRAIN BRANCH. ALLOW FOR CUTTING AND PATCHING WALL, FLOOR AND CEILING ON FLOOR BELOW AS NEEDED. ALLOW FOR X-RAY/SCANNING OF EXISTING FLOOR SLAB CONTRACTOR TO VERIFY THE EXACT CONNECTION POINT AND COORDINATE ON SITE. (TYPICAL).
5. NEW FLOOR MOUNTED 75-11 PROVIDE NEW DRAIN TRAP AND 1/2" DRAIN BRANCH THE BACK TO EXISTING SANITARY DRAIN AT FLOOR BELOW. CONTRACTOR TO VERIFY THE EXACT CONNECTION POINT AND COORDINATE ON SITE. ALLOW FOR X-RAY/SCANNING OF EXISTING FLOOR SLAB. ALLOW FOR CUTTING AND PATCHING WALL, FLOOR AND CEILING ON FLOOR BELOW AS NEEDED. (TYPICAL).
6. NEW WALL MOUNTED URINAL AT SAME LOCATION TO REPLACE EXISTING. PROVIDE 3/2" COLD WATER LINE DOWN TO NEW WS-1, 4/2" VENT LINE UP FROM WS-1 AND 5/2" SANITARY LINE DOWN FROM WS-1 AND THE BACK TO EXISTING SANITARY DRAIN IN WALL. ALLOW FOR CUTTING AND PATCHING WALL, FLOOR AND CEILING ON FLOOR BELOW AS NEEDED. ALLOW FOR X-RAY/SCANNING OF EXISTING FLOOR SLAB. CONTRACTOR TO VERIFY THE EXACT CONNECTION POINT AND COORDINATE ON SITE. (TYPICAL).
7. PROVIDE NEW SHUT-OFF VALVE IN NEW OR EXISTING DOW/DHW LINE AS INDICATED ON THE PLAN. (TYPICAL).
8. PROVIDE ELECTRONIC TYPE TRAP SEAL PRIMER AS PER OBC PART 7 REQUIREMENT. FINAL LOCATION TO BE COORDINATE ON SITE (TYPICAL).
9. PROVIDE SANITARY VENT PIPE PER OBC PART 7 REQUIREMENT WITHIN WET WALL AND UP TO CEILING TO CONNECT TO EXISTING BUILDING VENT MAIN. CONTRACTOR TO VERIFY THE EXISTING AVAILABLE VENT PIPE LOCATION AND THE EXACT CONNECTION POINT ON SITE (TYPICAL).
10. PROVIDE SHUT-OFF VALVE FOR ALL THE NEW PLUMBING FIXTURES DOW/DHW SUPPLY BRANCH (TYPICAL).
11. PROVIDE WALL MOUNTED 1/2" HOSE BIB AND ASSOCIATE DOW PIPE SUPPLY (TYP. OF 4).
12. INSTALL NEW SANITARY DRAIN FROM FLOOR ABOVE BY PENETRATING THE SLAB AND CONNECTING IT TO THE EXISTING SANITARY MAIN BRANCH IN THE CEILING SPACE. THE CONTRACTOR MUST COORDINATE AND ADJUST THE PENETRATION POINTS AS NECESSARY TO ACCOMMODATE THE NEW FIXTURES. ALL FLOOR AND SLAB OPENINGS MUST BE PATCHED AND SEALED TO MATCH THE EXISTING FINISH OR MEET THE ARCHITECT'S SPECIFICATIONS. THIS REQUIREMENT APPLIES TO ALL SUCH INSTALLATIONS.
13. PROVIDE NEW KITCHEN SINK (KS-1, 2) FAUCET AND ALL NECESSARY WATER SUPPLIES, SHUT-OFF VALVES, P-TRAP, CLEAN OUT AND PLUMBING ACCESSORIES FOR COMPLETE OPERATION. INSTALLATION. INSTALL 1/2" HOT AND COLD WATER LINE DOWN TO NEW KS-1, 2, 3/2" VENT LINE UP FROM KS-1, 2 AND 4/2" SANITARY LINE DOWN FROM KS-1, 2. ALLOW FOR CUTTING AND PATCHING OF CEILING AND WALL AS NEEDED. EXTEND DOW/DHW LINE FOR COFFEE MAKER, WATER COOLER, HOT WATER DISPENSER, AND ETC CONNECTION. REFER TO DRAWING M301 FOR DETAIL. (TYPICAL).
14. PROVIDE NEW DOMESTIC HOT WATER RETICULATING PIPE (DHW) C/W INSULATION AND ACCESSORIES FROM THE EXISTING DIHR MAIN WITHIN CEILING SPACE TO SERVE NEW PLUMBING FIXTURE AS SHOWN.

8. ISSUED FOR CONSTRUCTION 2026.08.21

9. ISSUED FOR TENDER 2026.05.01

10. ISSUED FOR BUILDING PERMIT 2026.04.08

11. ISSUED FOR 100% CLIENT REVIEW 2026.03.31

12. ISSUED FOR 60% CLIENT REVIEW 2026.01.09

13. ISSUED FOR COSTING REVIEW 2025.11.24

NO. DESCRIPTION DATE

REVISIONS

PROJECT



REGION OF PEEL

EMIL V. KOLB CENTRE
PEEL REGIONAL POLICE FACILITY
INTERIOR RENOVATION PROJECT
180 DERRY ROAD EAST, MISSISSAUGA, ON L2Y 2Y5



STRUCTURAL CONSULTANT

STEPHENSON ENGINEERING

MECHANICAL CONSULTANT

EXP SERVICES INC.

ELECTRICAL CONSULTANT

EXP SERVICES INC.

SHEET TITLE

PARTIAL GROUND FLOOR -

PLUMBING DEMO & NEW

SHEET NO.

M302

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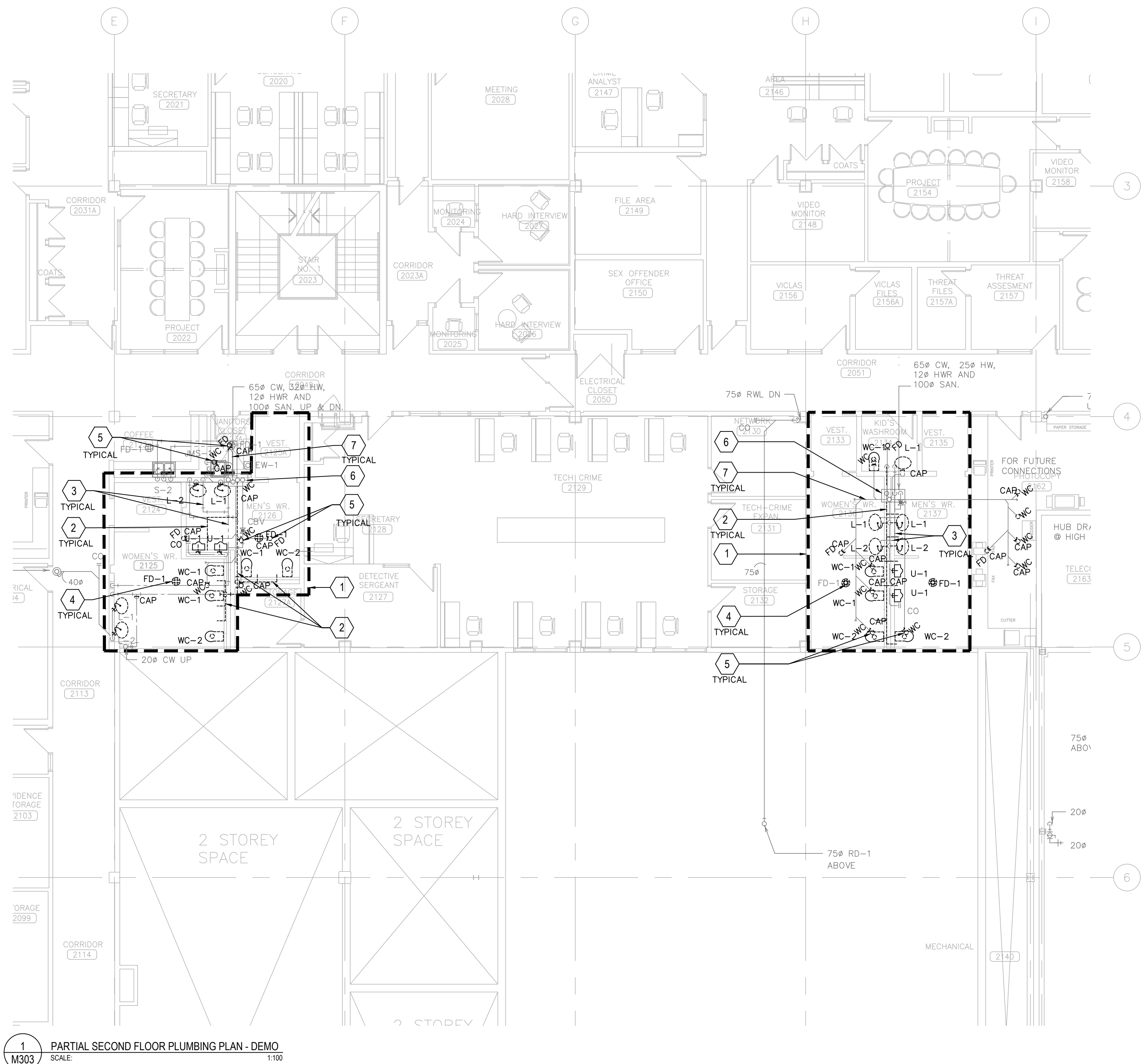
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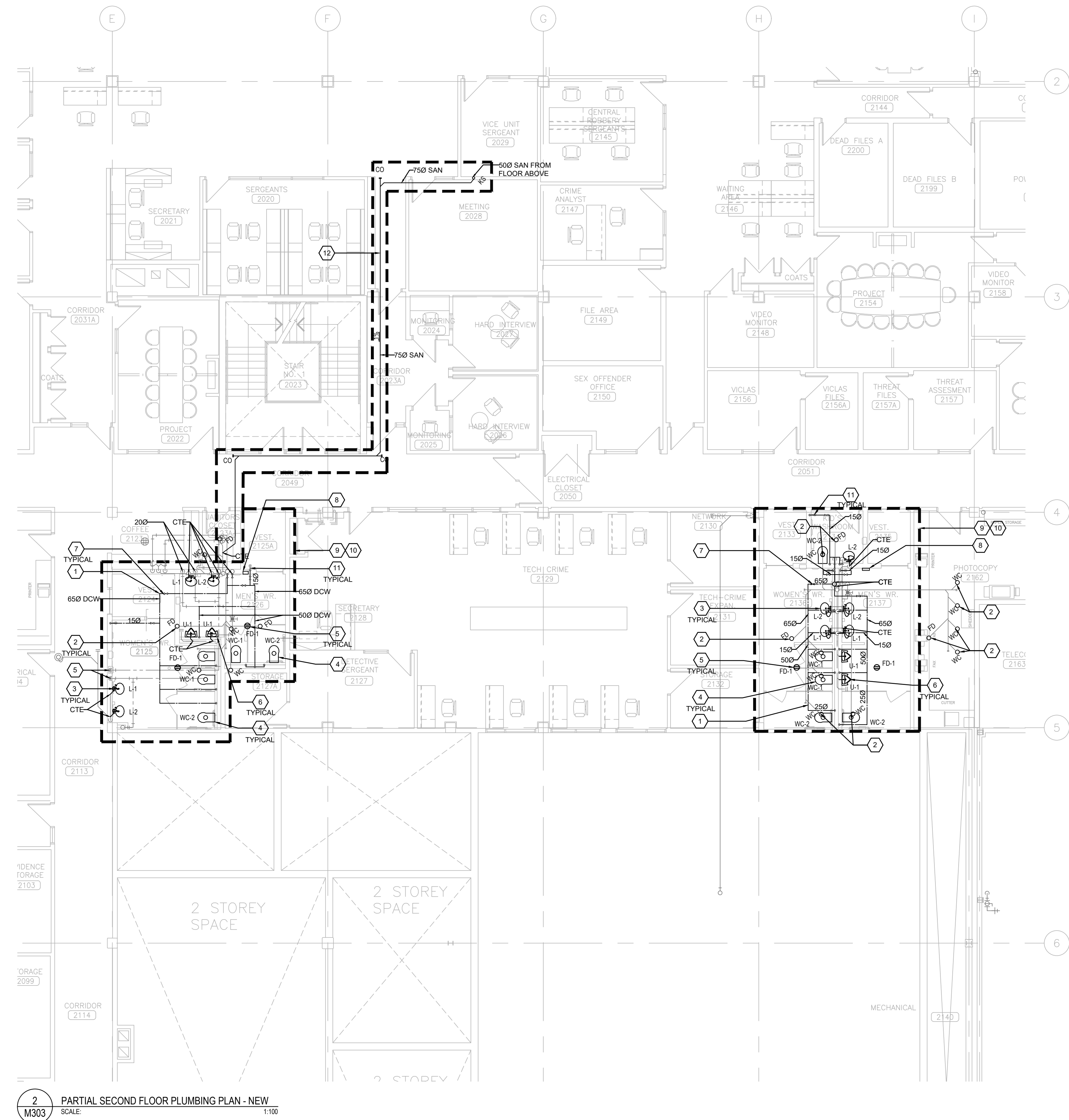
PROJECT NO.

MRK-25008951-A0

SCALE



1 M303 PARTIAL SECOND FLOOR PLUMBING PLAN - DEMO SCALE 1:50



2 M303 PARTIAL SECOND FLOOR PLUMBING PLAN - NEW SCALE 1:50

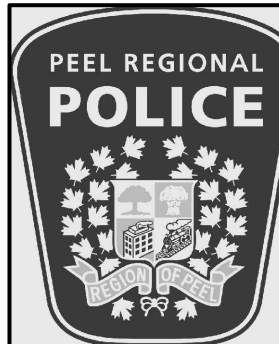
- PLUMBING GENERAL DEMO NOTES:**
- ALL EXISTING AND NEW PLUMBING PIPE SIZES SHOWN AS METRIC (MM).
 - PRIOR TO COMMENCEMENT OF THE WORK, ORDERING OF EQUIPMENT AND/OR FABRICATING MATERIALS, THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF ANY DISCREPANCIES, OMISSIONS AND/OR INTERFERENCES PRIOR TO COMMENCEMENT OF THE WORK.
 - DEMOLITION DRAWINGS HAVE BEEN PREPARED AS A GENERAL GUIDE TO THE CONTRACTOR. NOT ALL SERVICES HAVE BEEN SHOWN. THE CONTRACTOR SHALL REMOVE ALL REDUNDANT SERVICES TO THE NEAREST ACTIVE REMAINING SOURCE, WHETHER THEY HAVE OR HAVE NOT BEEN SHOWN. NO EXTRAS WILL BE ENTERAINED FOR DEMOLITION.
 - SOME DEMOLITION HAS BEEN SHOWN BASED ON EXISTING "AS BUILT" DWG FROM ORIGINAL CONSTRUCTION AND VARIOUS KNOWN RETROFITS AND ALTERNATIONS. NOT ALL SERVICES HAVE BEEN SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SURVEY THE SPACE AND VERIFY EXTENT OF DEMOLITION WORK INVOLVED.
 - UNLESS SPECIFICALLY SHOWN TO REMAIN ON THE DRAWINGS, REMOVE ALL EXISTING (SAN, V, ST, CW, HW, HW, ETC.) PIPING FIXTURES & FITTINGS, EQUIPMENT, SUPPORTS ETC. FROM AREA OF RENOVATION. ALLOW FOR CUTTING AND PATCHING OF CEILING AND WALLS NECESSARY TO REMOVE SERVICES IN THE EVENT THAT THE EXISTING CEILING OR WALLS ARE NOT BEING REMOVED BY THE GENERAL CONTRACTOR.
 - REMOVE PLUMBING FIXTURES AS SHOWN, CUT BACK DRAIN, VENT, WATER PIPING ETC. BACK TO RISER OR NEAREST ACTIVE SOURCE. COORDINATE WITH MAINTENANCE DEPARTMENT WHICH FIXTURES THEY WISH TO KEEP. TRANSPORT THOSE FIXTURE TO STORAGE. REMOVE AND DISPOSE ALL UNWANTED FIXTURES.
 - PRIOR TO DEMOLITION, COORDINATE SHUT DOWN WITH BUILDING OPERATION TEAM AND ISOLATE SERVICES. PHASING REQUIREMENTS OF PROJECT MAY REQUIRE SOME EXISTING SERVICE BE LEFT IN OPERATION UNTIL NEW SERVICES ARE INSTALLED. CAREFULLY REVIEW PHASING SET OUT BY ARCHITECT.
 - WHERE MECHANICAL EQUIPMENT (E. A/C UNIT, ELECTRIC WATER HEATER, FAN, DISHWASHER) IS REMOVED, COORDINATE PROMPTLY WITH GENERAL CONTRACTOR AND ELEC. DIV. TO DISCONNECT AND MAKE SAFE THE ASSOCIATED POWER SUPPLY. MECH. DIV. IS TO ENSURE THAT NO ABANDONED LIVE POWER CORD IS LEFT UNPROTECTED AT ANY TIME.
 - WHERE PIPE IS REMOVED THROUGH FIRE-RATED WALL OR FLOOR ASSEMBLIES, PROVIDE UL-C CLASSIFIED FIRE STOPPING SYSTEMS THAT ARE TESTED IN ACCORDANCE WITH CANA-S 116 AND INSTALL ALL FIRE STOPPING SYSTEM IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. STANDARD OF ACCEPTANCE: 3M, H.I.T.
 - DURING DEMOLITION, CONTRACTOR SHOULD INCLUDE VIDEO SCOPING FOR THE PLUMBING WORK BEFORE AND AFTER CONSTRUCTION AND REPORT BACK TO ENGINEER FOR ANY DAMAGE, BROKEN, LEAKAGE AND ANY DISCREPANCIES. WHERE EXISTING PIPE INSULATIONS DAMAGES FOUND TO REQUIRE REPAIR, RECORD THE EXTENT OF THE REQUIRES REPAIR ON PLANS AND REPORT TO THE CLIENT/CONSULTANT.

- PLUMBING DEMO DRAWING NOTES:**
- DEMOLISH ALL EXISTING PLUMBING FIXTURES IN THIS SCOPE COMPLETE WITH ALL ASSOCIATED PLUMBING AND TRIM, INCLUDING BUT NOT LIMITED TO DOMESTIC COLD/HOT WATER, VENT AND SANITARY. ALL DOW AND DHW BRANCH PIPING SHALL BE CAPPED BACK TO WALL, LAVATORY AND URINAL, SANITARY DRAIN CAP BACK TO WALL FOR FUTURE CONNECTION, TOILET, SANITARY DRAIN BELOW MAIN FOR FUTURE CONNECTION. INSULATION HANGERS AND SUPPORT NOT BEING REUSED AS PART OF THIS CONTRACT. SEAL AND PATCH ALL WALL/FLOOR OPENING TO MATCH EXISTING OR FOLLOW THE ARCHITECT REQUIREMENT (TYPICAL).
 - DEMOLISH EXISTING DOW SUPPLY MAIN BRANCH AS INDICATED ON THE PLAN. PROVIDE NEW SIZE DOW PIPE AND RISER AS INDICATED ON NEW WORK PLAN.
 - EXISTING DHW, DHW/R DISTRIBUTION MAIN BRANCH TO REMAIN.
 - REMOVE EXISTING FLOOR DRAIN, CAP SANITARY DRAIN BACK TO MAIN IN CEILING SPACE AT FLOOR BELOW FOR FUTURE CONNECTION TYPICAL.
 - EXISTING SANITARY DRAIN BRANCH SERVING ABOVE FLOOR TOILET, FLOOR DRAIN AND PENETRATING THE SLAB DOWN TO THIS FLOOR CEILING SPACE TO BE REMOVED AND CAPPED BACK TO MAIN (TYPICAL).
 - EXISTING SANITARY DHW, DHW/R RISER IN PIPE CHASE TO REMAIN.
 - EXISTING SANITARY MAIN TO SERVE FLOOR ABOVE TO REMAIN.

- PLUMBING GENERAL NEW WORK NOTES:**
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, MINISTRY OF THE ENVIRONMENT, MINISTRY OF LABOUR, NEW BUILDING MANAGEMENTS GUIDELINES, REFER TO ARCH. SPEC.
 - ALL NEW SERVICES SHOWN ARE DIAGRAMMATIC ONLY. THE ARRANGEMENTS OF EQUIPMENT SHOWN ARE APPROXIMATE AND MAY BE ALTERED ON SITE TO MEET THE ON-SITE CONDITIONS OF THE PROJECT. CONTRACTOR TO REVIEW ALL THE EXISTING SERVICES AND COORDINATE WITH THE NEW INSTALLATION.
 - CONTRACTOR TO COORDINATE WITH THE BUILDING MANAGEMENT FOR APPROVAL OF ANY SHUT DOWN OF EXISTING SYSTEMS/SERVICES. THE CONTRACTOR SHALL DETERMINE THE BEST METHOD TO MINIMIZE SERVICE INTERRUPTION AND IMPACT ON FACILITY OPERATION, INCLUDING USE OF HOT TAP/TEMPORARY FREEZING AND AFTER-HOUR WORK AS REQUIRED. PROVIDE MIN. ONE WEEK NOTICE FOR BUILDING MANAGEMENT TO PLAN THE SHUT DOWN. CONTRACTOR TO ENSURE MIN. SHUTDOWNS.
 - CONTRACTOR TO REDUITE ANY EXISTING SERVICES IF REQUIRED TO INSTALL NEW SERVICES. ALL SERVICES SHALL BE INSTALLED USING EXISTING BEAM OPENINGS AS MUCH AS POSSIBLE, IN THE EVENT OF NO SPACE THROUGH BEAM OPENING, SERVICES SHALL BE INSTALLED AS HIGH AS POSSIBLE TO THE UNDERSIDE OF THE BEAM. COORDINATE ALL SERVICES PRIOR TO INSTALLATION. THE LOWER SERVICES INSTALLED WILL BE ASKED TO RELOCATE IF SPACE AVAILABLE AT HIGH LEVEL.
 - COORDINATE WITH ALL CONSULTANT DRAWINGS BEFORE ORDERING ANY NEW EQUIPMENT, GRILLES & DIFFUSERS, SPRINKLER HEADS ETC.
 - CONTRACTOR TO INCLUDE FOR ALL OFFSETS REQUIRED FOR COORDINATION WITHIN MECHANICAL AND ELECTRICAL SERVICES. THE OFFSETTING INCLUDES ALL HVAC, HYDRONICS, PLUMBING AND FIRE PROTECTION SERVICES.
 - THE DRAWINGS AND SPECIFICATIONS PROVIDE THE MINIMUM PERFORMANCE REQUIREMENTS. THE FIRE PROTECTION SYSTEM SHALL BE PREPARED, COMPLETE, STAMPED, SIGNED, AND APPROVED BY A LICENSED SPRINKLER CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE FLOW TEST INFORMATION PRIOR TO PREPARATION OF DRAWINGS AND HYDRAULIC CALCULATIONS.
 - CONTRACTOR TO PROVIDE FIRE WATCH AS REQUIRED TO MAINTAIN FIRE SAFETY OF THE CONSTRUCTION SITE SCOPE AREA.
 - THE CONTRACTOR SHALL PROVIDE FIRE STOPPING ON ALL NEW PIPING AND CONDUIT PENETRATIONS THROUGH A FIRE-RATED WALL OR FLOOR AND ANY HOLES THAT RESULT FROM REMOVAL OF EXISTING SERVICES THROUGH A FIRE-RATED WALL OR FLOOR.
 - READ ALL THE DRAWINGS FOR COMPLETE INFORMATION.
 - INCLUDE FOR FREEZING OF ALL SERVICES WITH THE ASSUMPTION THAT NO VALVES WILL HOLD AND REPLACE ALL WITH NEW LEVER BALL VALVES (OR SCREW TYPE ONLY WHERE APPROPRIATE).
 - THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS AND SITE SURVEYS. THE MECHANICAL CONTRACTOR SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES BEFORE THE COMMENCEMENT OF ANY WORK.
 - THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CUTTING EXISTING WALLS AND FLOOR SLAB. IF EXISTING SERVICES ARE OUTDAMAGED IT IS THE CONTRACTOR'S RESPONSIBILITY TO PATCH AND REPAIR THE SERVICE.
 - THE CONTRACTOR SHALL MAINTAIN CONTINUOUS OPERATION OF PLUMBING STACKS AND WATER SUPPLY MAINS THAT REQUIRE OFFSETS AND MAKE ANY NEW CONNECTIONS RESPECTIVELY DURING CONSTRUCTION PERIOD.
 - THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR FINAL SERVICE ROUTING ON SITE.
 - CONTRACTOR TO ALLOW ADDITIONAL 20 PIPE HANGERS/FLOOR AND SUPPORTS ON EXISTING PIPING IF NECESSARY. THE CREDIT FOR THE HANGERS SHALL BE GIVEN BACK TO THE BUILDING MANAGEMENT IF NOT USED.
 - CONTRACTOR TO ALLOW FOR INSULATION ON EXISTING PIPING IF IT IS DAMAGED OR MISSED.
 - CAP ALL OBSOLETE WASTE PIPING BELOW THE SLAB, WATER PIPING BACK AT MAINS AND PIPING ABOVE FINISHED CEILING. PATCH ALL FLOORS, WALL AND CEILING AS REQUIRED TO MEET FIRE RATINGS.
 - FOR DUST CONTROL, CAP EXISTING DUCTS IN THE CONSTRUCTION AREA. CONNECTION TO EXISTING AIR DUCTS TO BE DONE AFTER COMPLETION OF ALL DUST PRODUCING TASKS.
 - REMOVE ALL REDUNDANT PIPES, CONDUITS, INCLUDING LOOSE WIRES AND DUCTWORK, CAP AT MAIN.
 - COORDINATE WITH BUILDING OPERATION TEAM FOR SHUT DOWNS AND DRAINING FIRE LINE PRIOR TO COMMENCING NEW WORK. PROVIDE FIRE WATCH AS REQUIRED TO ENSURE BUILDING SAFETY DURING SPRINKLER MAIN PIPE REMOVAL.
 - CONTRACTOR TO PROVIDE TRAP SEAL PRIMER AND PIPING SYSTEM PER OBC PART 7.
 - CONTRACTOR TO PROVIDE SANITARY VENT PIPE PER OBC PART 7 REQUIREMENT WITHIN WET WALL AND UP TO CEILING TO CONNECT TO EXISTING BUILDING VENT MAIN. CONTRACTOR TO VERIFY THE EXISTING AVAILABLE VENT PIPE LOCATION AND THE EXACT CONNECT POINT ON SITE.
 - ALL SERVICES WITHIN THE CEILING SPACE SHALL BE OUTSIDE THE SHAFT AND ALL SERVICES BELOW CEILING SHALL BE CAPPED WITHIN THE SHAFT ENCLOSURE CONTRACTOR TO COORDINATE THE SHAFT OPENING SIZE.

- PLUMBING NEW WORK DRAWING NOTES:**
- PROVIDE NEW DOMESTIC COLD WATER PIPE (DOW) WITH INSULATION AND ALL ACCESSORIES FROM DOW SUPPLY RISER WITHIN CEILING SPACE TO SERVE NEW PLUMBING FIXTURES AS SHOWN.
 - INSTALL NEW SANITARY DRAIN FROM FLOOR ABOVE BY PENETRATING THE SLAB AND CONNECTING IT TO THE EXISTING SANITARY MAIN BRANCH IN THE CEILING SPACE. THE CONTRACTOR MUST COORDINATE AND ADJUST THE PENETRATION POINTS AS NECESSARY TO ACCOMMODATE THE NEW FIXTURES. ALL FLOOR AND SLAB OPENINGS MUST BE PATCHED AND SEALED TO MATCH THE EXISTING FINISH OR MEET THE ARCHITECT'S SPECIFICATIONS. THIS REQUIREMENT APPLIES TO ALL SUCH INSTALLATIONS.
 - NEW LAVATORY: PROVIDE NEW 150 HOT AND COLD WATER LINES, 320 VENT LINE AND 400 SANITARY LINE FROM 1-TL-2 TO THE BACK TO EXISTING DOW, DHW AND SANITARY DRAIN BRANCH BACK TO THE WALL. ALLOW FOR CUTTING AND PATCHING WALL, FLOOR, CEILING ON FLOOR ABOVE AS NEEDED (TYPICAL). CONTRACTOR TO VERIFY THE EXACT CONNECTION POINT AND COORDINATE ON SITE (TYPICAL).
 - NEW FLOOR MOUNTED TOILET TO REPLACE EXISTING AT SAME LOCATION. PROVIDE 250 COLD WATER LINE DOWN TO NEW WC-1/WC-2, 500 VENT LINE UP FROM WC-1/WC-2 AND 750 SANITARY LINE DOWN FROM WC-1/WC-2 TIE TO EXISTING DRAIN BRANCH. ALLOW FOR CUTTING AND PATCHING WALL, FLOOR AND CEILING ON FLOOR BELOW AS NEEDED. ALLOW FOR X-RAY/SCANNING OF EXISTING FLOOR SLAB CONTRACTOR TO VERIFY THE EXACT CONNECTION POINT AND COORDINATE ON SITE (TYPICAL).
 - NEW FLOOR DRAIN (FD-1) PROVIDE NEW DRAIN TRAP AND 1000 DRAIN BRANCH THE BACK TO EXISTING SANITARY DRAIN AT FLOOR BELOW. CONTRACTOR TO VERIFY THE EXACT CONNECTION POINT AND COORDINATE ON SITE. ALLOW FOR X-RAY/SCANNING OF EXISTING FLOOR SLAB. ALLOW FOR CUTTING AND PATCHING WALL, FLOOR AND CEILING ON FLOOR BELOW AS NEEDED (TYPICAL).
 - NEW WALL MOUNTED URINAL AT SAME LOCATION TO REPLACE EXISTING. PROVIDE 200 COLD WATER LINE DOWN TO NEW U-1, 400 VENT LINE UP FROM U-1 AND 500 SANITARY LINE DOWN FROM U-1 AND TIE BACK TO EXISTING SANITARY DRAIN IN WALL. ALLOW FOR CUTTING AND PATCHING WALL, FLOOR AND CEILING ON FLOOR BELOW AS NEEDED. ALLOW FOR X-RAY/SCANNING OF EXISTING FLOOR SLAB. CONTRACTOR TO VERIFY THE EXACT CONNECTION POINT AND COORDINATE ON SITE (TYPICAL).
 - PROVIDE NEW SHUTOFF VALVE IN NEW OR EXISTING DOW/DHW LINE AS INDICATED ON THE PLAN. TYPICAL.
 - PROVIDE ELECTRONIC TYPE TRAP SEAL PRIMER AS PER OBC PART 7 REQUIREMENT, FINAL LOCATION TO BE COORDINATE ON SITE (TYPICAL).
 - PROVIDE SANITARY VENT PIPE PER OBC PART 7 REQUIREMENT WITHIN WET WALL AND UP TO CEILING TO CONNECT TO EXISTING BUILDING VENT MAIN. CONTRACTOR TO VERIFY THE EXISTING AVAILABLE VENT PIPE LOCATION AND THE EXACT CONNECT POINT ON SITE (TYPICAL).
 - PROVIDE SHUT-OFF VALVE FOR ALL THE NEW PLUMBING FIXTURES DOW/DHW SUPPLY BRANCH. TYPICAL OF ALL.
 - PROVIDE WALL MOUNTED 150 HOSE BIB AND ASSOCIATE DOW PIPE SUPPLY (TYP. OF 5).
 - INSTALL NEW SANITARY DRAIN FROM FLOOR ABOVE BY PENETRATING THE SLAB AND CONNECTING IT TO THE EXISTING SANITARY MAIN BRANCH IN THE CEILING SPACE. THE CONTRACTOR MUST COORDINATE AND ADJUST THE PENETRATION POINTS AS NECESSARY TO ACCOMMODATE THE NEW FIXTURES. ALL FLOOR AND SLAB OPENINGS MUST BE PATCHED AND SEALED TO MATCH THE EXISTING FINISH OR MEET THE ARCHITECT'S SPECIFICATIONS. THIS REQUIREMENT APPLIES TO ALL SUCH INSTALLATIONS.

REVISIONS		
NO.	DESCRIPTION	DATE
1	ISSUED FOR COSTING REVIEW	2025.11.24
2	ISSUED FOR 66% CLIENT REVIEW	2026.01.09
3	ISSUED FOR 100% CLIENT REVIEW	2026.03.31
4	ISSUED FOR BUILDING PERMIT	2026.04.08
5	ISSUED FOR TENDER	2026.05.01
6	ISSUED FOR CONSTRUCTION	2026.08.21



REGION OF PEEL

EMIL V. KOLB CENTRE
PEEL REGIONAL POLICE FACILITY
INTERIOR RENOVATION PROJECT
 180 DERRY ROAD EAST, MISSISSAUGA, ON L5T 2Y5

STRUCTURAL CONSULTANT
Stephenson Engineering

MECHANICAL CONSULTANT
EXP Services Inc.

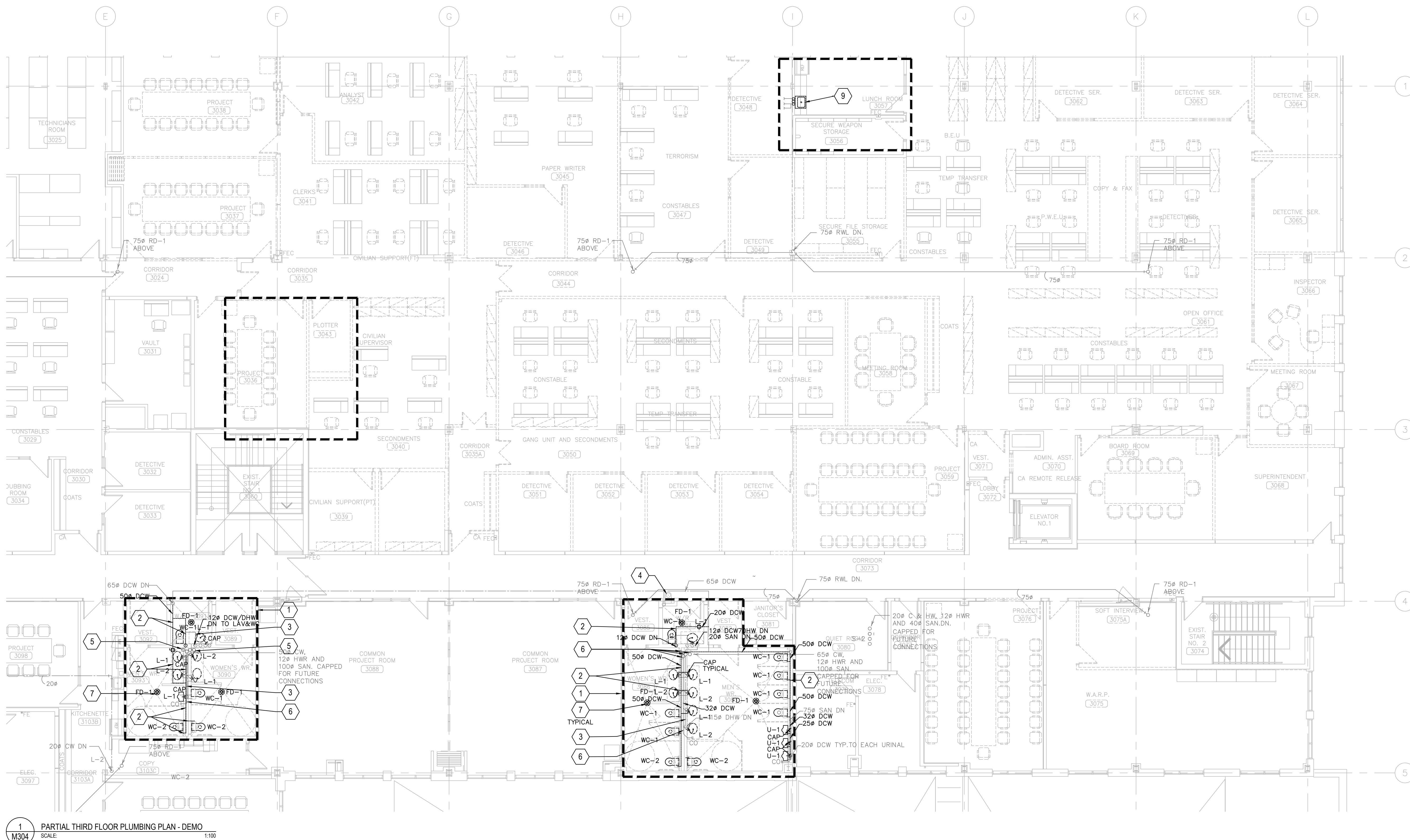
ELECTRICAL CONSULTANT
EXP Services Inc.

PROJECT

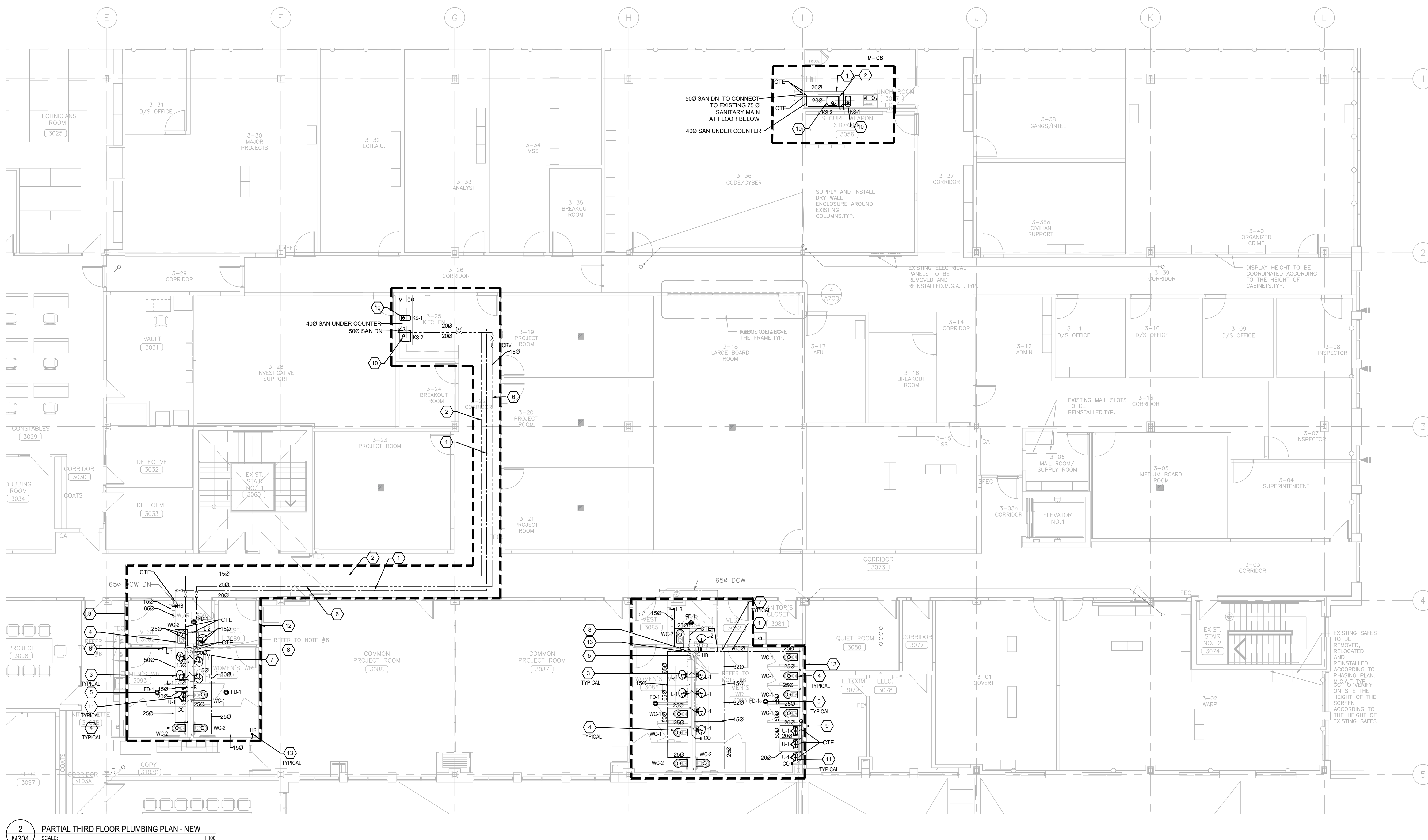
SHEET TITLE
PARTIAL SECOND FLOOR -
PLUMBING DEMO & NEW

SHEET NO.	DRAWN BY	CHECKED BY
M303	MBL	ME

PROJECT NO.	SCALE
MRK-25008951-A0	



1
M304
PARTIAL THIRD FLOOR PLUMBING PLAN - DEMO
SCALE 1/8"=1'-0"



2
M304
PARTIAL THIRD FLOOR PLUMBING PLAN - NEW
SCALE 1/8"=1'-0"

PLUMBING GENERAL DEMO NOTES:

- ALL EXISTING AND NEW PLUMBING PIPE SIZES SHOWN AS METRIC (MM).
- PRIOR TO COMMENCEMENT OF THE WORK, ORDERING OF EQUIPMENT AND/OR FABRICATING MATERIALS, THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF ANY DISCREPANCIES, OMISSIONS AND/OR INTERFERENCES PRIOR TO COMMENCEMENT OF THE WORK.
- DEMOLITION DRAWINGS HAVE BEEN PREPARED AS A GENERAL GUIDE TO THE CONTRACTOR. NOT ALL SERVICES HAVE BEEN SHOWN. THE CONTRACTOR SHALL REMOVE ALL REDUNDANT SERVICES TO THE NEAREST ACTIVE REMAINING SOURCE, WHETHER THEY HAVE OR HAVE NOT BEEN SHOWN. NO EXTRAS WILL BE ENTERTAINED FOR DEMOLITION.
- SOME DEMOLITION HAS BEEN SHOWN BASED ON EXISTING "AS BUILT" DWG FROM ORIGINAL CONSTRUCTION AND VARIOUS KNOWN RETROFITS AND ALTERATIONS. NOT ALL SERVICES HAVE BEEN SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SURVEY THE SPACE AND VERIFY EXTENT OF DEMOLITION WORK INVOLVED.
- UNLESS SPECIFICALLY SHOWN TO REMAIN ON THE DRAWINGS, REMOVE ALL EXISTING (SAN, V, ST, CW, HW, HWR, ETC.) PIPING FIXTURES & FITTINGS, EQUIPMENT, SUPPORTS ETC. FROM AREA OF RENOVATION. ALLOW FOR CUTTING AND PATCHING OF CEILINGS AND WALLS NECESSARY TO REMOVE SERVICES IN THE EVENT THAT THE EXISTING CEILINGS OR WALLS ARE NOT BEING REMOVED BY THE GENERAL CONTRACTOR.
- REMOVE PLUMBING FIXTURES AS SHOWN. CUT BACK DRAIN, VENT, WATER PIPING ETC. BACK TO RISER OR NEAREST ACTIVE SOURCE. COORDINATE WITH MAINTENANCE DEPARTMENT WHICH FIXTURES THEY WISH TO KEEP. TRANSPORT THOSE FIXTURE TO STORAGE. REMOVE AND DISPOSE ALL UNWANTED FIXTURES.
- PRIOR TO DEMOLITION, COORDINATE SHUT DOWN WITH BUILDING OPERATION TEAM AND ISOLATE SERVICES. PHASING REQUIREMENTS OF PROJECT MAY REQUIRE SOME EXISTING SERVICES BE LEFT IN OPERATION UNTIL NEW SERVICES ARE INSTALLED. CAREFULLY REVIEW PHASING SET OUT BY ARCHITECT.
- WHERE MECHANICAL EQUIPMENT (E, A/C UNIT, ELECTRIC WATER HEATER, FAN, DISHWASHER) IS REMOVED, COORDINATE PROMPTLY WITH GENERAL CONTRACTOR AND ELEC. DIV. TO DISCONNECT AND MAKE SAFE TIE ASSOCIATED POWER SUPPLY. MECH. DIV. IS. SHALL ENSURE THAT NO ABANDONED LIVE POWER CORD IS LEFT UNPROTECTED AT ANY TIME.
- WHERE PIPE IS REMOVED THROUGH FIRE-RATED WALL OR FLOOR ASSEMBLIES, PROVIDE UL-C CLASSIFIED FIRE STOPPING SYSTEMS THAT ARE TESTED IN ACCORDANCE WITH CAN/UL-S118. INSTALL ALL FIRE STOPPING SYSTEM IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTION. STANDARD OF ACCEPTANCE: 3M, HLT.
- DURING DEMOLITION, CONTRACTOR SHOULD INCLUDE VIDEO SCOPING FOR THE PLUMBING WORK BEFORE AND AFTER CONSTRUCTION AND REPORT BACK TO ENGINEER FOR ANY DAMAGE, BROKEN, LEAKAGE AND ANY DISCREPANCIES. WHERE EXISTING PIPE INSULATIONS DAMAGES FOUND TO REQUIRE REPAIR, RECORD THE EXTENT OF THE REPAIRS REPAIR ON PLANS AND REPORT TO THE CLIENT/CONSULTANT.

PLUMBING DEMO DRAWING NOTES:

- DEMOLISH ALL EXISTING PLUMBING FIXTURES IN THIS SCOPE COMPLETE WITH ALL ASSOCIATED PLUMBING AND TRIM, INCLUDING BUT NOT LIMITED TO DOMESTIC COLD HOT WATER, VENT AND SANITARY. ALLOW DW BRANCH PIPING BE CAPPED BACK TO WALL, LAVATORY AND URINAL, SANITARY DRAIN CAP BACK TO WALL FOR FUTURE CONNECTION. TOILET, SANITARY DRAIN CAP BACK TO THE FLOOR BELOW AT MAIN FOR FUTURE CONNECTION. INSULATION, HANGERS AND SUPPORT NOT BEING REUSED AS PART OF THIS CONTRACT. SEAL AND AT ALL INFLUENCE OPENING TO MATCH EXISTING OR FOLLOW THE ARCHITECT REQUIREMENT. TYPICAL.
- EXISTING DOW, DWHR, DRAIN AND BRANCH TO BE REMOVED AND REPLACE TO NEW SIZE AS INDICATED ON NEW DRAWING PLAN. CONTRACTOR TO VERIFY THE EXACT SIZE AND LOCATION ON-SITE.
- EXISTING DWHR, DWHR DISTRIBUTION MAIN BRANCH TO REMAIN.
- EXISTING DRINK FOUNTAIN TO REMAIN.
- EXISTING DOW, DWHR RISER IN PIPE CHASE TO REMAIN.
- EXISTING SANITARY DRAIN IN PIPE CHASE TO REMAIN.
- REMOVE EXISTING FLOOR DRAIN, CAP SANITARY DRAIN BACK TO MAIN IN CEILING SPACE AT FLOOR BELOW FOR FUTURE CONNECTION. TYPICAL.
- REMOVE EXISTING FLOOR DRAIN, CAP SANITARY DRAIN BACK TO MAIN IN CEILING SPACE AT FLOOR BELOW FOR FUTURE CONNECTION. TYPICAL.
- REMOVE EXISTING KITCHEN SINK WITH ALL ASSOCIATED PLUMBING AND TRIM, INCLUDING BUT NOT LIMITED TO DOMESTIC COLD HOT WATER, VENT AND SANITARY. ALL DOW, DWHR, DRAIN BRANCH PIPING SHALL BE CAPPED BACK TO WALL. SANITARY DRAIN TO BE CUT BACK TO SLAB BELOW. CONTRACTOR TO VERIFY THE EXISTING PLUMBING ON-SITE AND REPORT BACK TO ENGINEER.

PLUMBING GENERAL NEW WORK NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, MINISTRY OF THE ENVIRONMENT, MINISTRY OF LABOUR, NFPA, BUILDING MANAGEMENT'S GUIDELINES (REFER TO ARCH. SPEC).
- ALL NEW SERVICES SHOWN ARE DIAGRAMMATIC ONLY. THE ARRANGEMENTS OF EQUIPMENT SHOWN ARE APPROXIMATE AND MAY BE ALTERED ON-SITE TO MEET THE ON-SITE CONDITIONS OF THE PROJECT. CONTRACTOR TO REVIEW ALL THE EXISTING SERVICES AND COORDINATE WITH THE NEW INSTALLATION.
- CONTRACTOR TO COORDINATE WITH THE BUILDING MANAGEMENT FOR APPROVAL OF ANY SHUT DOWN OF EXISTING SYSTEMS/SERVICES. THE CONTRACTOR SHALL DETERMINE THE BEST METHOD TO MINIMIZE SERVICE INTERRUPTION AND IMPACT ON FACILITY OPERATION, INCLUDING USE OF HOT TAP/TIMPROVARY FREEZING AND AFTER HOUR WORK AS REQUIRED. PROVIDE MIN. ONE WEEK NOTICE FOR BUILDING MANAGEMENT TO PLAN THE SHUT DOWN. CONTRACTOR TO ENSURE MIN. SHUT DOWNS.
- CONTRACTOR TO RELOCATE ANY EXISTING SERVICES IF REQUIRED TO INSTALL NEW SERVICES. ALL SERVICES SHALL BE INSTALLED USING EXISTING BEAM OPENINGS AS MUCH AS POSSIBLE. IN THE EVENT OF NO SPACE THROUGH BEAM OPENING, SERVICES SHALL BE INSTALLED AS HIGH AS POSSIBLE TO THE UNDERSIDES OF THE BEAM. COORDINATE ALL SERVICES PRIOR TO INSTALLATION. THE LOWER SERVICES INSTALLED WILL BE ASKED TO RELOCATE IF SPACE AVAILABLE AT HIGH LEVEL.
- COORDINATE WITH ALL CONSULTANT DRAWINGS BEFORE ORDERING ANY NEW EQUIPMENT, GRILLES & DIFFUSERS, SPRINKLER HEADS ETC.
- CONTRACTOR TO INCLUDE FOR ALL OFFSETS REQUIRED FOR COORDINATION WITH MECHANICAL AND ELECTRICAL SERVICES. THE OFFSETTING INCLUDES ALL HVAC, HYDRONICS, PLUMBING AND FIRE PROTECTION SERVICES.
- THE DRAWINGS AND SPECIFICATIONS ARE PROVIDING THE MINIMUM PERFORMANCE REQUIREMENTS. THE FIRE PROTECTION SYSTEM SHALL BE PREPARED, COMPLETE, STAMPED, SIGNED, AND APPROVED BY A LICENSED SPRINKLER CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR THE FLOW TEST INFORMATION PRIOR TO PREPARATION OF DRAWINGS AND HYDRAULIC CALCULATIONS.
- CONTRACTOR TO PROVIDE FIRE WATCH AS REQUIRED TO MAINTAIN FIRE SAFETY OF THE CONSTRUCTION SITE SCOPE AREA.
- THE CONTRACTOR SHALL PROVIDE FIRE STOPPING ON ALL NEW PIPING AND CONDUIT PENETRATIONS THROUGH A FIRE-RATED WALL OR FLOOR AND ANY HOLES THAT RESULT FROM REMOVAL OF EXISTING SERVICES THROUGH A FIRE-RATED WALL OR FLOOR.
- READ ALL THE DRAWINGS FOR COMPLETE INFORMATION.
- INCLUDE FOR FREEZING OF ALL SERVICES WITH THE ASSUMPTION THAT NO VALVES WILL HOLD AND REPLACE ALL WITH NEW LEVER BALL VALVES (OR SCREW TYPE ONLY WHERE APPROPRIATE).
- THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS AND SITE SURVEYS. THE MECHANICAL SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES BEFORE THE COMMENCEMENT OF ANY WORK.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CUTTING EXISTING WALLS AND FLOOR SLAB. IF EXISTING SERVICES ARE OUTDAMAGED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO PATCH AND REPAIR THE SERVICE.
- THE CONTRACTOR SHALL MAINTAIN CONTINUOUS OPERATION OF PLUMBING STACKS AND WATER SUPPLY MAINS THAT REQUIRE OFFSETTING AND MAKE ANY NEW CONNECTIONS RESPECTIVELY DURING CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR FINAL SERVICE ROUTING ON SITE.
- CONTRACTOR TO ALLOW ADDITIONAL 20 PIPE HANGERS/FLOOR AND SUPPORTS ON EXISTING PIPING IF NECESSARY. THE CREDIT FOR THE HANGERS SHALL BE GIVEN BACK TO THE BUILDING MANAGEMENT IF NOT USED.
- CONTRACTOR TO ALLOW FOR INSULATION ON EXISTING PIPING IF IT IS DAMAGED OR MISSED.
- CAP ALL OBSOLETE WASTE PIPING BELOW THE SLAB, WATER PIPING BACK AT MAINS AND VENT PIPING ABOVE FINISHED CEILINGS. PATCH ALL FLOORS, WALL AND CEILINGS AS REQUIRED TO MEET FIRE RATINGS.
- FOR DUST CONTROL, CAP EXISTING DUCTS IN THE CONSTRUCTION AREA. CONNECTION TO EXISTING AIR DUCTS TO BE DONE AFTER COMPLETION OF ALL DUST PRODUCING TASKS.
- REMOVE ALL REDUNDANT PIPES, CONDUITS, INCLUDING LOOSE WIRES AND DUCTWORK. CAP AT MAIN.
- COORDINATE WITH BUILDING OPERATION TEAM FOR SHUT DOWNS AND DRAINING FIRE LINE PRIOR TO COMMENCING NEW WORK. PROVIDE FIRE WATCH AS REQUIRED TO ENSURE BUILDING SAFETY DURING SPRINKLER MAIN PIPE REMOVAL.
- CONTRACTOR TO PROVIDE TRAP SEAL PRIMER AND PIPING SYSTEM PER OBC PART 7.
- CONTRACTOR TO PROVIDE SANITARY VENT PIPE PER OBC PART 7 REQUIREMENT WITHIN WET WALL AND UP TO CEILING TO CONNECT TO EXISTING BUILDING VENT MAIN. CONTRACTOR TO VERIFY THE EXISTING AVAILABLE VENT PIPE LOCATION AND THE EXACT CONNECT POINT ON SITE.
- ALL SERVICES WITHIN THE CEILING SPACE SHALL BE OUTSIDE THE SHAFT AND ALL SERVICES BELOW CEILING SHALL BE CAPPED WITHIN THE SHAFT ENCLOSURE. CONTRACTOR TO COORDINATE THE SHAFT OPENING SIZE.

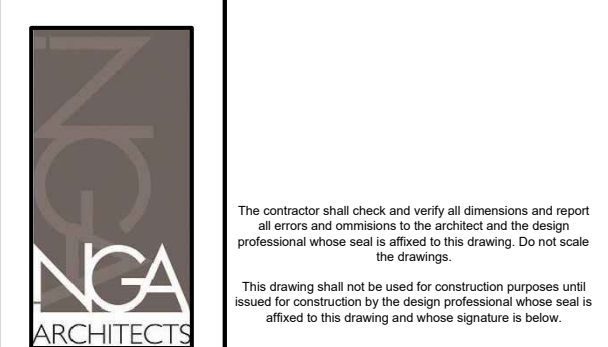
PLUMBING NEW WORK DRAWING NOTES:

- PROVIDE NEW DOMESTIC COLD WATER PIPE C/W INSULATION AND ALL ACCESSORIES FROM DOW SUPPLY RISER WITHIN CEILING SPACE TO SERVE NEW PLUMBING FIXTURES AS SHOWN. ALLOW FOR REMOVAL OF EXISTING MECHANICAL DEVICES ON EXISTING CEILING AND RE-INSTATEMENT OF EXISTING TO NEW CEILING. CONTRACTOR TO STORE, PROTECT, AND RE-INSTALL. DISBURSE-FREE CONTRACTOR TO REPLACE ANY DEVICES DAMAGED DURING REMOVAL AT NO EXTRA COST TO OWNER. COORDINATE WITH GC ON-SITE. (TYPICAL).
- PROVIDE NEW DOMESTIC HOT WATER PIPE C/W INSULATION AND ALL ACCESSORIES FROM EXISTING DWHR SUPPLY MAIN WITHIN CEILING SPACE TO SERVE PLUMBING FIXTURES AS SHOWN. ALLOW FOR REMOVAL OF EXISTING MECHANICAL DEVICES ON EXISTING CEILING AND RE-INSTATEMENT OF EXISTING TO NEW CEILING. CONTRACTOR TO STORE, PROTECT, AND RE-INSTALL. DISBURSE-FREE CONTRACTOR TO REPLACE ANY DEVICES DAMAGED DURING REMOVAL AT NO EXTRA COST TO OWNER. COORDINATE WITH GC ON-SITE. (TYPICAL).
- INSTALLED NEW LAVATORY. PROVIDE NEW 1/2" HOT AND COLD WATER LINES. 3/2" VENT LINE AND 400 SANITARY LINE FROM 1/16" 2" TO THE BACK TO EXISTING DOW, DWHR AND SANITARY DRAIN BRANCH BACK TO THE WALL. ALLOW FOR CUTTING AND PATCHING WALL, FLOOR, CEILING ON FLOOR ABOVE AS NEEDED. (TYPICAL). CONTRACTOR TO VERIFY THE EXACT CONNECTION POINT AND COORDINATE ON-SITE. (TYPICAL).
- INSTALL NEW FLOOR MOUNTED TOILET TO REPLACE EXISTING AT SAME LOCATION. PROVIDE 200 COLD WATER LINE DOWN TO NEW WC-1/1" WC-2, 500 VENT LINE UP FROM WC-1/1" WC-2 AND 750 SANITARY LINE DOWN FROM WC-1/1" WC-2 TO EXISTING DRAIN BRANCH. ALLOW FOR CUTTING AND PATCHING WALL, FLOOR AND CEILING ON FLOOR BELOW AS NEEDED. ALLOW FOR X-RAY/SCANNING OF EXISTING FLOOR SLAB. CONTRACTOR TO VERIFY THE EXACT CONNECTION POINT AND COORDINATE ON-SITE. (TYPICAL).
- INSTALL NEW FLOOR DRAIN "FD-1". PROVIDE NEW DRAIN TRAP AND 1000 DRAIN BRANCH TIE BACK TO EXISTING SANITARY DRAIN AT FLOOR BELOW. CONTRACTOR TO VERIFY THE EXACT CONNECTION POINT AND COORDINATE ON-SITE. ALLOW FOR X-RAY/SCANNING OF EXISTING FLOOR SLAB. ALLOW FOR CUTTING AND PATCHING WALL, FLOOR AND CEILING ON FLOOR BELOW AS NEEDED. (TYPICAL).
- PROVIDE NEW DOMESTIC HOT WATER RE-CIRCULATION PIPE C/W INSULATION AND ALL ACCESSORIES FROM EXISTING DWHR SUPPLY MAIN WITHIN CEILING TO SERVE NEW KITCHEN.
- PROVIDE NEW SHUT-OFF VALVE IN NEW OR EXISTING DOW/DWHR LINE AS INDICATED ON THE PLAN. TYPICAL.
- PROVIDE ELECTRONIC TYPE TRAP SEAL PRIMER AS PER OBC PART 7 REQUIREMENT. FINAL LOCATION TO BE COORDINATE ON-SITE (TYPICAL).
- IN THIS SCOPE WORK, PROVIDE SANITARY VENT PIPE PER OBC PART 7 REQUIREMENT WITHIN WET WALL AND UP TO CEILING TO CONNECT TO EXISTING BUILDING VENT MAIN. CONTRACTOR TO VERIFY THE EXISTING AVAILABLE VENT PIPE LOCATION AND THE EXACT CONNECT POINT ON-SITE (TYPICAL).
- PROVIDE NEW KITCHEN SINK (S), FAUCET AND ALL NECESSARY WATER SUPPLIES. SHUT-OFF VALVES, P-TAP, CLEAN OUT AND PLUMBING ACCESSORIES FOR COMB. ETC. OPERATIONAL INSTALLATION. INSTALL 1/2" HOT AND COLD WATER LINE DOWN TO NEW KS. 3/2" VENT LINE UP FROM KS AND 400 SANITARY LINE DOWN FROM KS. ALLOW FOR CUTTING AND PATCHING OF CEILING/WALL AS NEEDED. EXTEND 1/2" VENT LINE DOWN TO DISHWASHER CONNECTION. (TYPICAL).
- PROVIDE NEW 200 COLD WATER LINE DOWN TO NEW U-1, 400 VENT UP FROM U-1 AND 500 SANITARY LINE DOWN FROM U-1 TO THE BACK TO EXISTING SANITARY DRAIN AT PIPE CHASE. ALL FOR CUTTING AND PATCHING OF CEILING ON FLOOR BELOW AS NEEDED. (TYPICAL).
- PROVIDE SHUT-OFF VALVE FOR ALL THE NEW PLUMBING FIXTURES DOW/DWHR SUPPLY BRANCH. (TYPICAL).
- PROVIDE WALL MOUNTED 1/2" HOSE BIB AND ASSOCIATE DOW PIPE SUPPLY. (TYP. OF 6).

7	ISSUED FOR CONSTRUCTION	2026.08.21
8	ISSUED FOR ADDM	2026.08.24
9	ISSUED FOR TENDER	2026.05.01
4	ISSUED FOR BUILDING PERMIT	2026.04.08
3	ISSUED FOR 100% CLIENT REVIEW	2026.03.31
2	ISSUED FOR 65% CLIENT REVIEW	2026.01.09
1	ISSUED FOR COSTING REVIEW	2025.11.24
NO.	DESCRIPTION	DATE
REVISIONS		



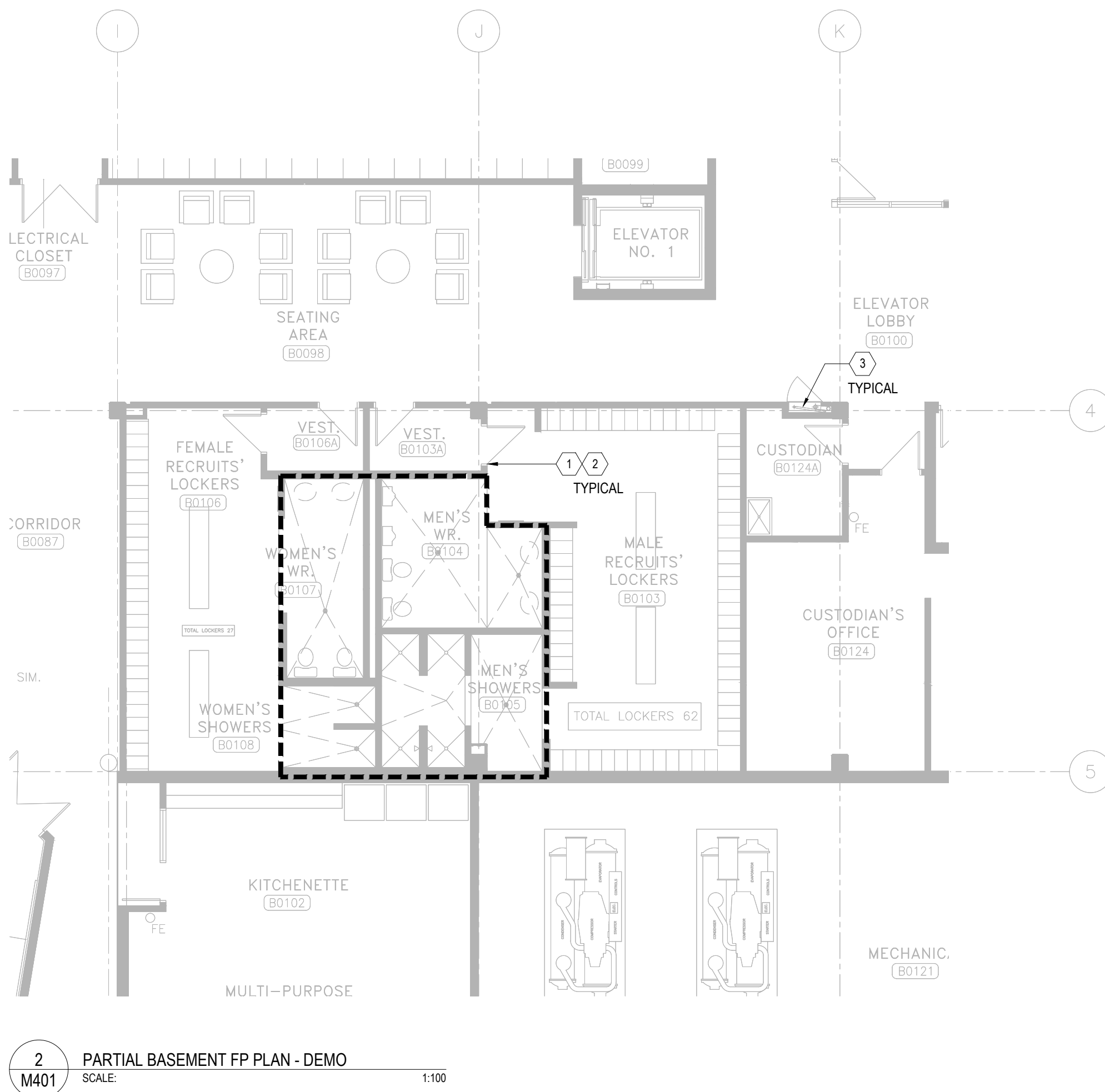
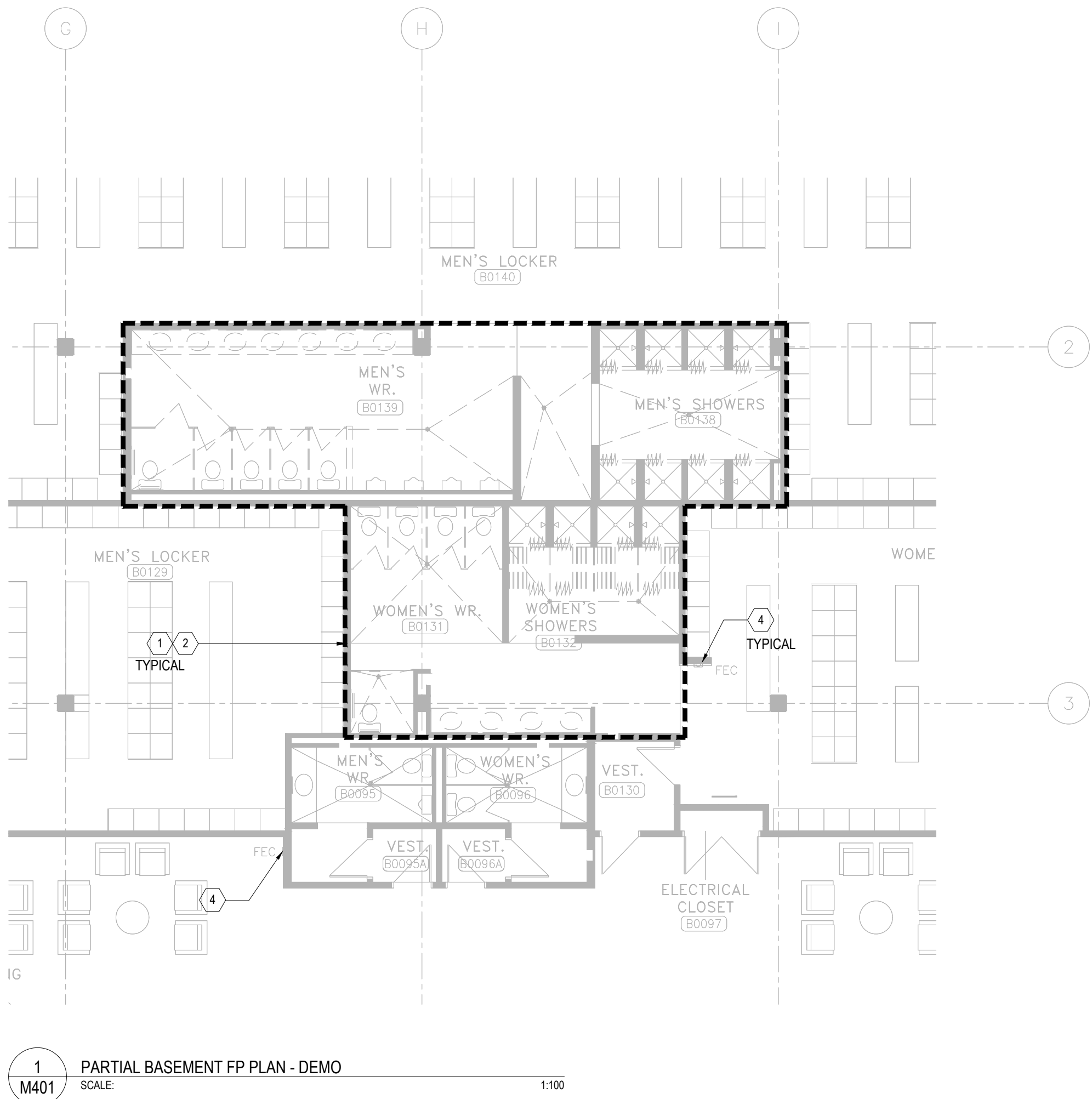
EMIL V. KOLB CENTRE
PEEL REGIONAL POLICE FACILITY
INTERIOR RENOVATION PROJECT
180 DERRY ROAD EAST, MISSISSAUGA, ON L2Y 2Y5



STRUCTURAL CONSULTANT
STEPHENSON ENGINEERING
MECHANICAL CONSULTANT
EXP SERVICES INC.
ELECTRICAL CONSULTANT
EXP SERVICES INC.

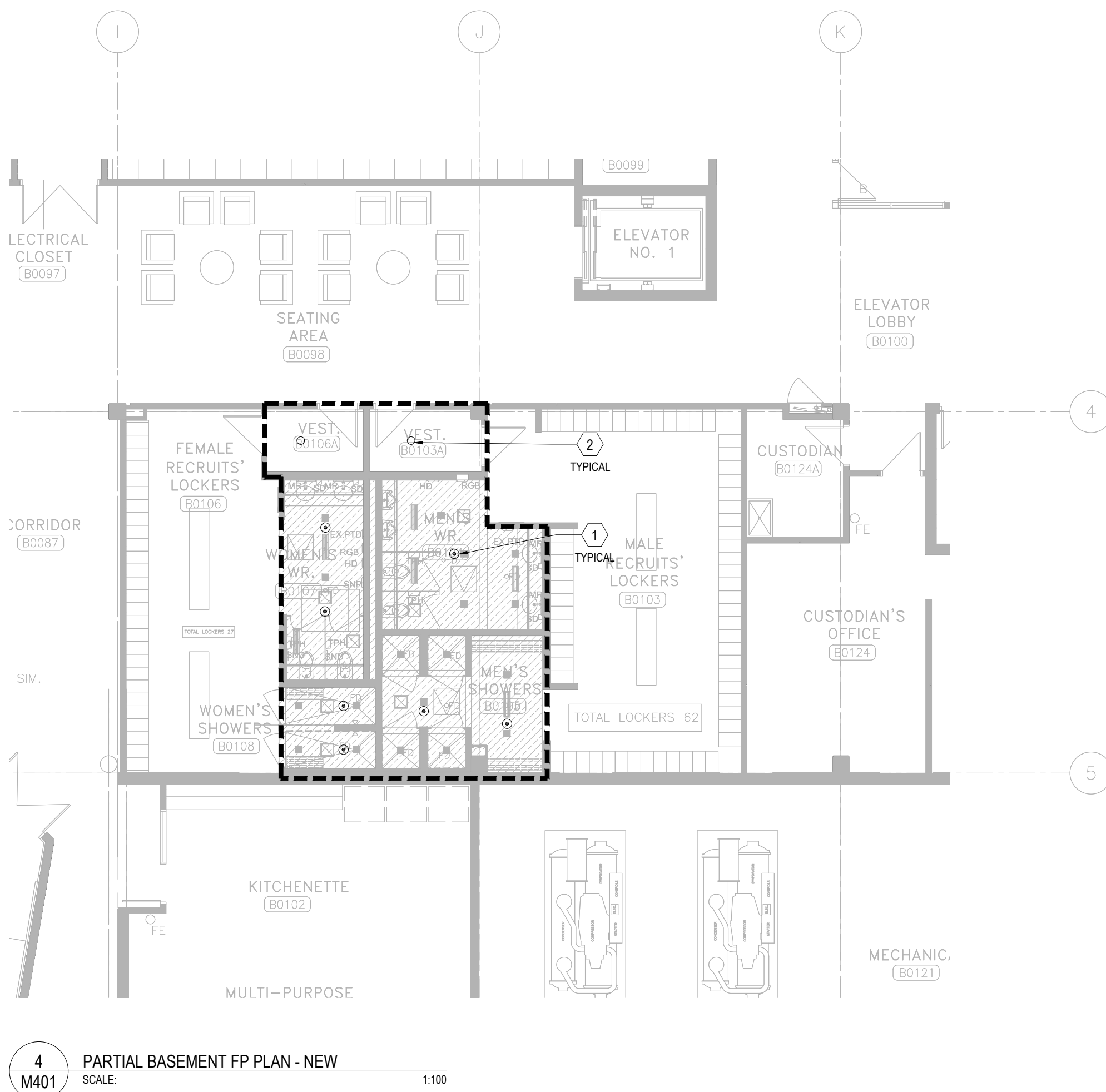
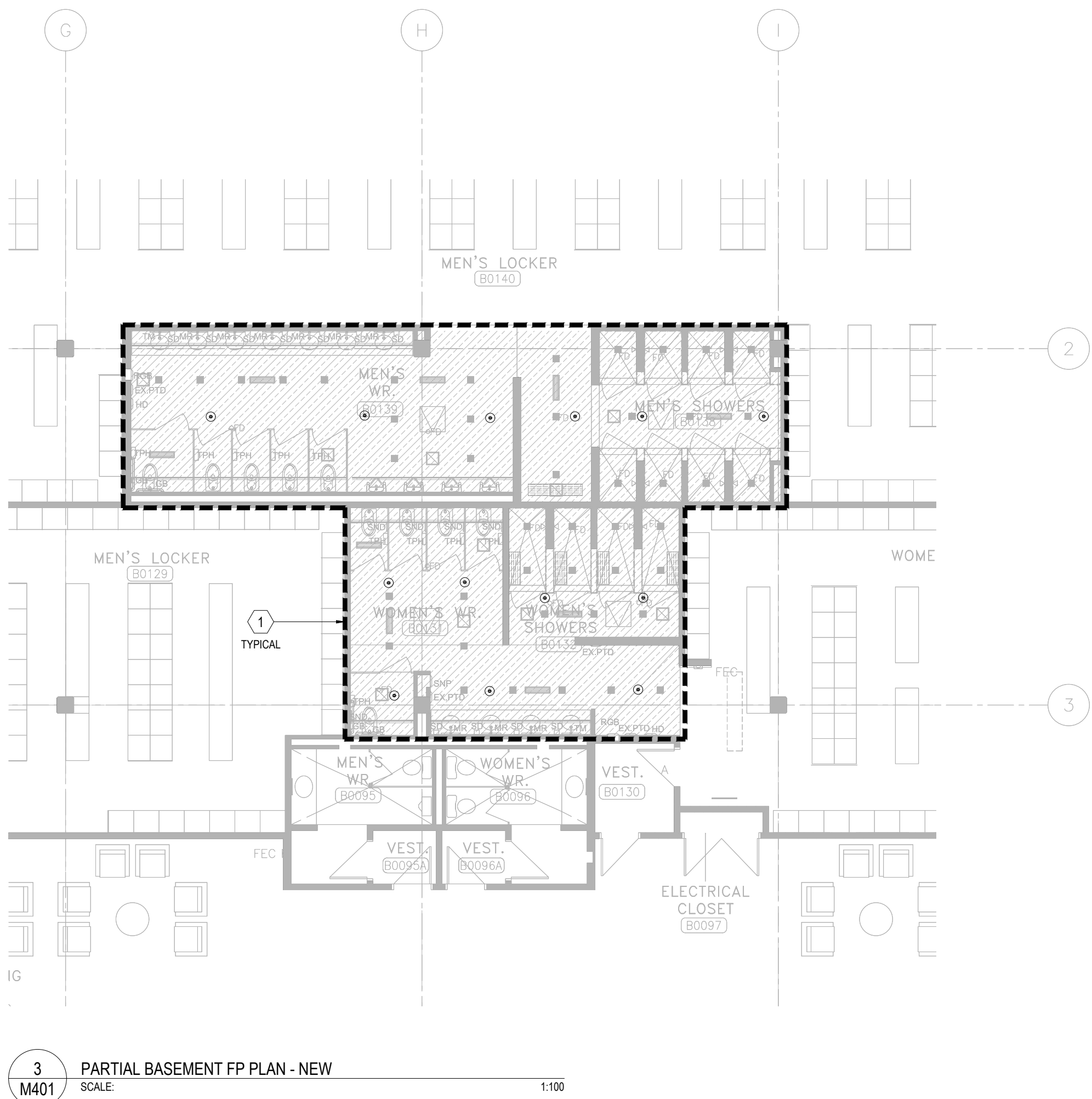
SHEET TITLE
PARTIAL THIRD FLOOR -
PLUMBING DEMO & NEW

SHEET NO.
M304
DRAWN BY
H.BELL
CHECKED
H.B.
PROJECT NO.
MRK-25008951-A0
SCALE



- GENERAL NOTES:
- PRIOR TO COMMENCEMENT OF THE WORK, ORDERING OF EQUIPMENT AND/OR FABRICATING MATERIALS, THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS. THIS SHALL BE DONE IN ORDER TO CONFIRM THAT EQUIPMENT AND SERVICES CAN BE INSTALLED AS SHOWN ON THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF ANY DISCREPANCIES, OMISSIONS AND/OR INTERFERENCES PRIOR TO COMMENCEMENT OF THE WORK.
 - DEMOLITION DRAWINGS HAVE BEEN PREPARED AS A GENERAL GUIDE TO THE CONTRACTOR. NOT ALL SERVICES HAVE BEEN SHOWN. THE CONTRACTOR SHALL REMOVE ALL REDUNDANT SERVICES TO THE NEAREST ACTIVE REMAINING SOURCE, WHETHER THEY HAVE OR HAVE NOT BEEN SHOWN. NO EXTRAS WILL BE ENTERAINED FOR DEMOLITION.
 - DEMOLITION SCOPE REFER ON EXISTING 'AS BUILT' DRAWING FROM ORIGINAL CONSTRUCTION REFER TO APPENDIX. NOT ALL SERVICES HAVE BEEN SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SURVEY THE SPACE AND VERIFY EXTENT OF DEMOLITION WORK INVOLVED.
 - DURING DEMOLITION STAGE THE SPRINKLER HEAD WILL BE TURNED UPRIGHT TO SUIT REMOVAL OF REFLECTED CEILING. ALL FIRE PROTECTION SYSTEM SHOULD KEEP IN OPERATION DURING ALL STAGES OF CONSTRUCTION. OTHERWISE CONTRACTOR SHOULD COORDINATE WITH BUILDING OPERATION TEAM TO PROVIDE FIRE WATCH DURING FIRE PROTECTION SYSTEM SHORT TIME NON WORKING PERIOD.
 - UNLESS SPECIFICALLY SHOWN TO REMAIN ON THE DRAWINGS, REMOVE ALL EXISTING SPRINKLER HEADS FROM AREA OF RENOVATION. CAP EXISTING SPRINKLER BRANCH PIPE FOR NEW CONNECTION. ALLOW FOR CUTTING AND PATCHING OF CEILING AND WALLS NECESSARY TO REMOVE SERVICES IN THE EVENT THAT THE EXISTING CEILING OR WALLS ARE NOT BEING REMOVED BY THE GENERAL CONTRACTOR.
 - PRIOR TO DEMOLITION, COORDINATE SHUT DOWN WITH BUILDING OPERATION TEAM AND ISOLATE SERVICES. PHASING REQUIREMENTS OF PROJECT MAY REQUIRE SOME EXISTING SERVICE BE LEFT IN OPERATION UNTIL NEW SERVICES ARE INSTALLED. CAREFULLY REVIEW PHASING SET OUT BY ARCHITECT.

- FIRE PROTECTION DEMOLITION DRAWING NOTES:
- ALL EXISTING SPRINKLER SYSTEMS SUPPLY MAIN TO REMAIN (TYPICAL)
 - ALL EXISTING CEILING MOUNTED SPRINKLER HEADS WITHIN THE AREA TO BE DEMOLISHED, CAP BRANCH BACK TO MAIN, PROVIDE FIRE WATCH AS REQUIRED FOR THE DURATION WHEN SPRINKLER SYSTEM IS DRAINED DOWN (TYPICAL OF ALL)
 - EXISTING SPRINKLER ZONE CONTROL VALVE CABINET TO REMAIN (TYPICAL)
 - ALL EXISTING FIRE EXTINGUISHERS WITHIN THIS RENOVATION AREA TO BE REMOVED AND TURNING BACK TO LANDLORD (TYPICAL)



- GENERAL NOTES:
- DO NOT SCALE DRAWINGS. LOCATIONS OF ITEMS ARE APPROXIMATE AND ARE INTENDED TO BE USED FOR COORDINATION. EXACT LOCATIONS ARE DEPENDANT UPON SITE CONDITIONS. REVIEW ANY REVISIONS WITH CONSULTANT.
 - HEAD LOCATION, HEAD QUANTITY, AND LAYOUT OF SPRINKLER SYSTEMS SHOWN ON DRAWINGS ARE TO ASSIST TENDER COORDINATION ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ADEQUATE HEAD COVERAGE, HEAD QUANTITIES, PIPE SIZING, ZONING, AND VALVING FOR THE SYSTEM AS PER NFPA 13 HAZARD OCCUPANCIES, OWNERS' INSURERS' STANDARDS, AND AUTHORITIES HAVING JURISDICTION. INSTALL ADDITIONAL HEADS, VALVES, AND RESIZE PIPING AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
 - UPON COMPLETION, DIVISION 15 SHALL SUBMIT FIRE PROTECTION ENGINEER-STAMPED LETTER CERTIFYING THAT ALL FIRE SPRINKLER WORKS WITHIN THE EXTENT OF THIS PROJECT COMPLIES WITH NFPA 13 AND OBC.
 - SIZE REDUCTION OF SPRINKLER MAIN SHALL NOT BE ACCEPTED UNLESS APPROVED BY THE CONSULTANT. RE-ROUTING OF SPRINKLER MAIN SHALL BE APPROVED IN ADVANCE BY THE CONSULTANT.
 - EXACT PIPE ROUTES, DROPS, AND FINAL CONNECTIONS SHALL BE DETERMINED ON SITE WITH PROJECT MANAGER. REFER TO INTERIOR DESIGNER DRAWINGS AND SHOP DRAWINGS FOR ALL EQUIPMENT AND FEATURE LOCATIONS AND CONNECTIONS.
 - PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING FLOORING TO FACILITATE THE INSTALLATION OF THE MECHANICAL SERVICES OUTLINED FOR THIS SCOPE OF WORK.
 - SPRINKLER SHOP DRAWINGS INCLUDING HYDRAULIC CALCULATIONS SHALL BE SUBMITTED TO MECHANICAL CONSULTANT IN DUPLICATE FOR REVIEW. DRAWINGS AND CALCULATIONS SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER CURRENTLY PRACTICING IN THE FIRE PROTECTION INDUSTRY.
 - PROVIDE NEW PORTABLE FIRE EXTINGUISHERS FOR SPACE PER OFC REQUIREMENTS.
 - ALL FIRE PROTECTION SYSTEM SHOULD KEEP IN OPERATION DURING ALL THE CONSTRUCTION STAGES. PROVIDE BUILDING FIRE WATCH DURING SPRINKLER HEAD DEMOLISH AND INSTALLATION PERIOD.

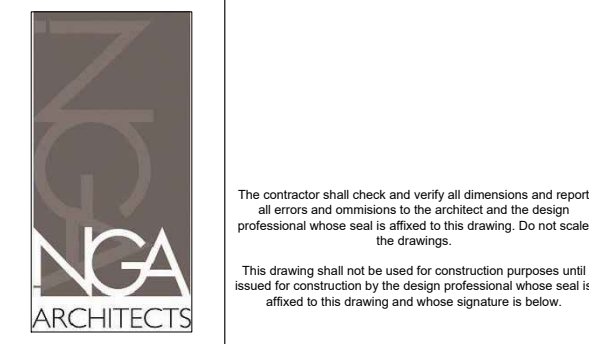
- FIRE PROTECTION NEW WORK DRAWING NOTES:
- PROVIDE NEW CEILING CONCEALED EXPOSED SPRINKLER HEADS FOR ALL DRYSM, ARMSTRONG WOOD WORKS FLAT CEILING AREA. EXTEND OR PROVIDE NEW BRANCH PIPE TO SUIT NEW SPRINKLER HEAD LOCATION (TYPICAL)
 - PROVIDE NEW UPRIGHT SPRINKLER HEADS FOR EXPOSED CEILING AREA. EXTEND OR PROVIDE NEW BRANCH PIPE TO SUIT NEW SPRINKLER HEAD LOCATION (TYPICAL)

NO.	DESCRIPTION	DATE
1	ISSUED FOR COSTING REVIEW	2025.11.24
2	ISSUED FOR 66% CLIENT REVIEW	2026.01.09
3	ISSUED FOR 100% CLIENT REVIEW	2026.03.31
4	ISSUED FOR BUILDING PERMIT	2026.04.08
5	ISSUED FOR TENDER	2026.05.01
6	ISSUED FOR CONSTRUCTION	2026.08.21

NO.	DESCRIPTION	DATE
1	ISSUED FOR COSTING REVIEW	2025.11.24
2	ISSUED FOR 66% CLIENT REVIEW	2026.01.09
3	ISSUED FOR 100% CLIENT REVIEW	2026.03.31
4	ISSUED FOR BUILDING PERMIT	2026.04.08
5	ISSUED FOR TENDER	2026.05.01
6	ISSUED FOR CONSTRUCTION	2026.08.21



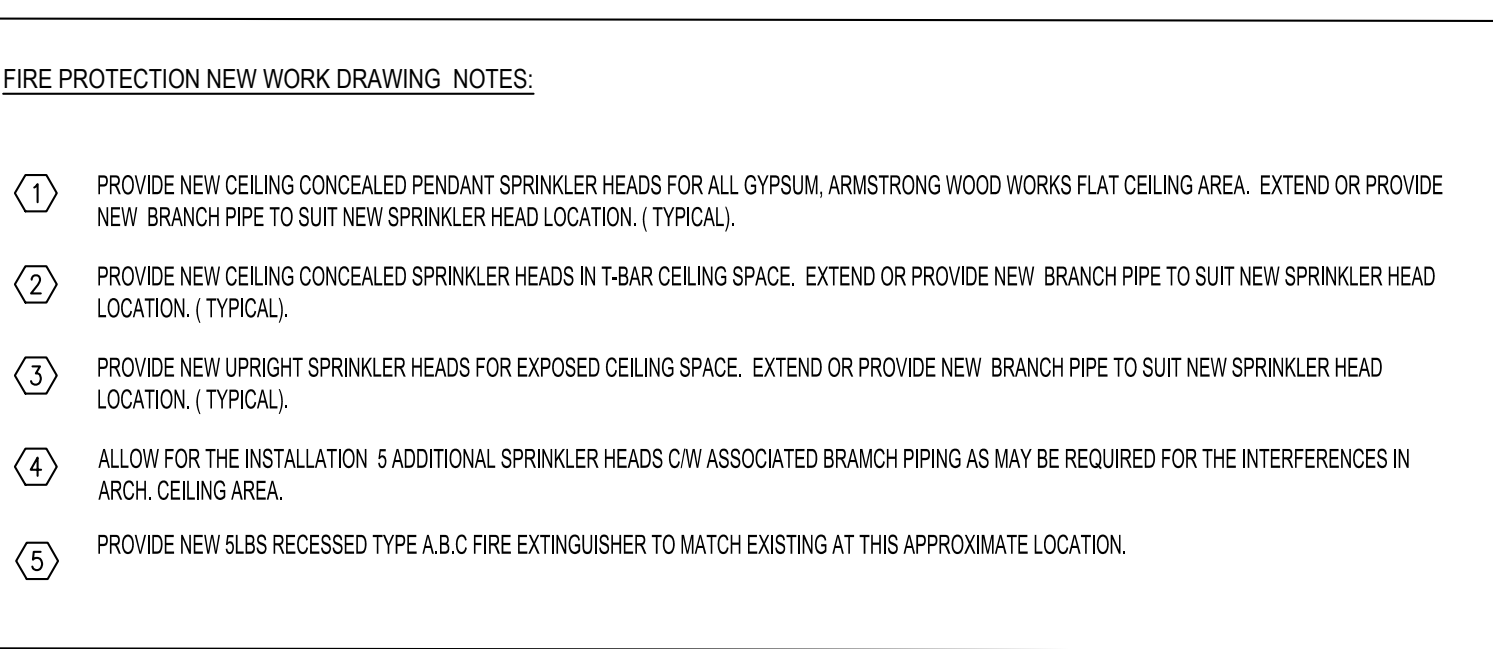
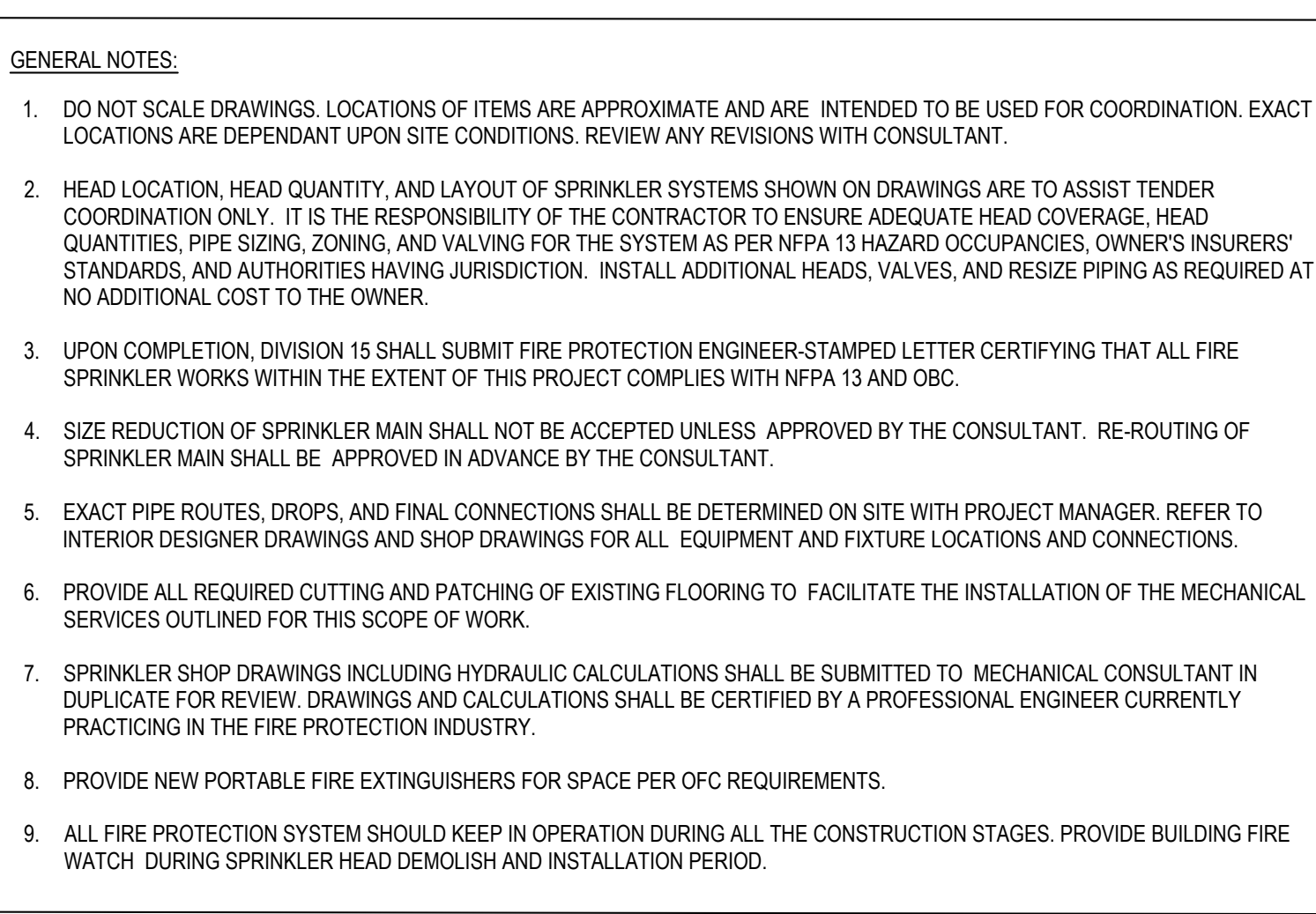
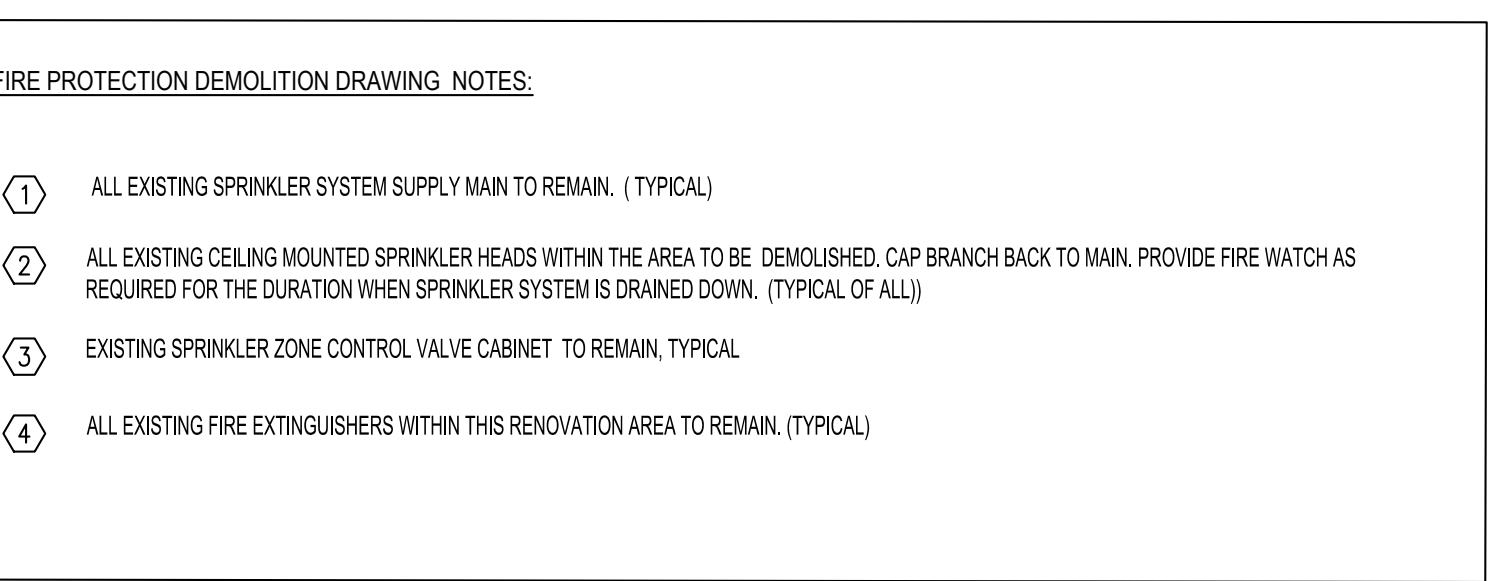
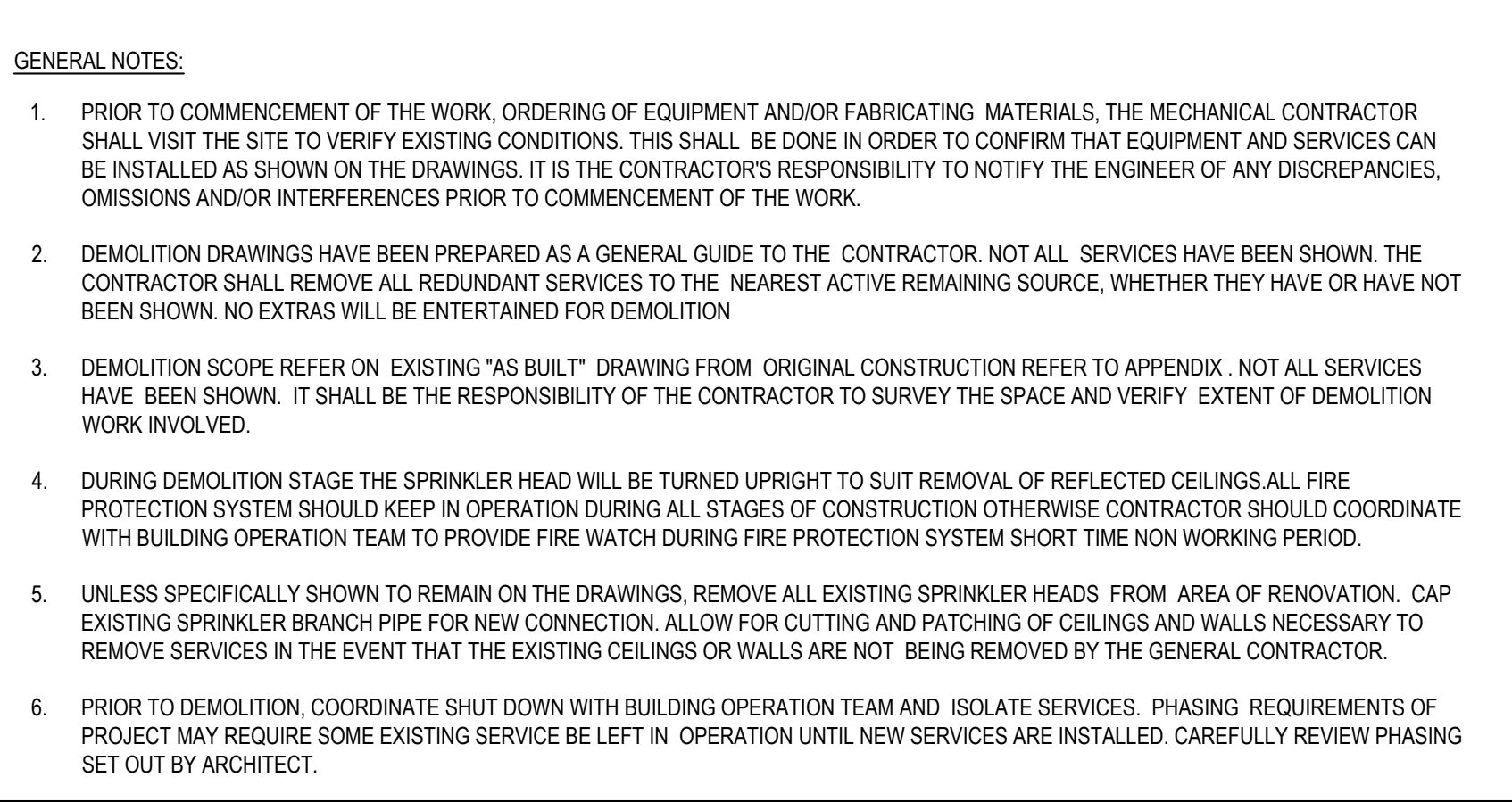
EMIL V. KOLB CENTRE
PEEL REGIONAL POLICE FACILITY
INTERIOR RENOVATION PROJECT
180 DERRY ROAD EAST, MISSISSAUGA, ON L5T 2Y5

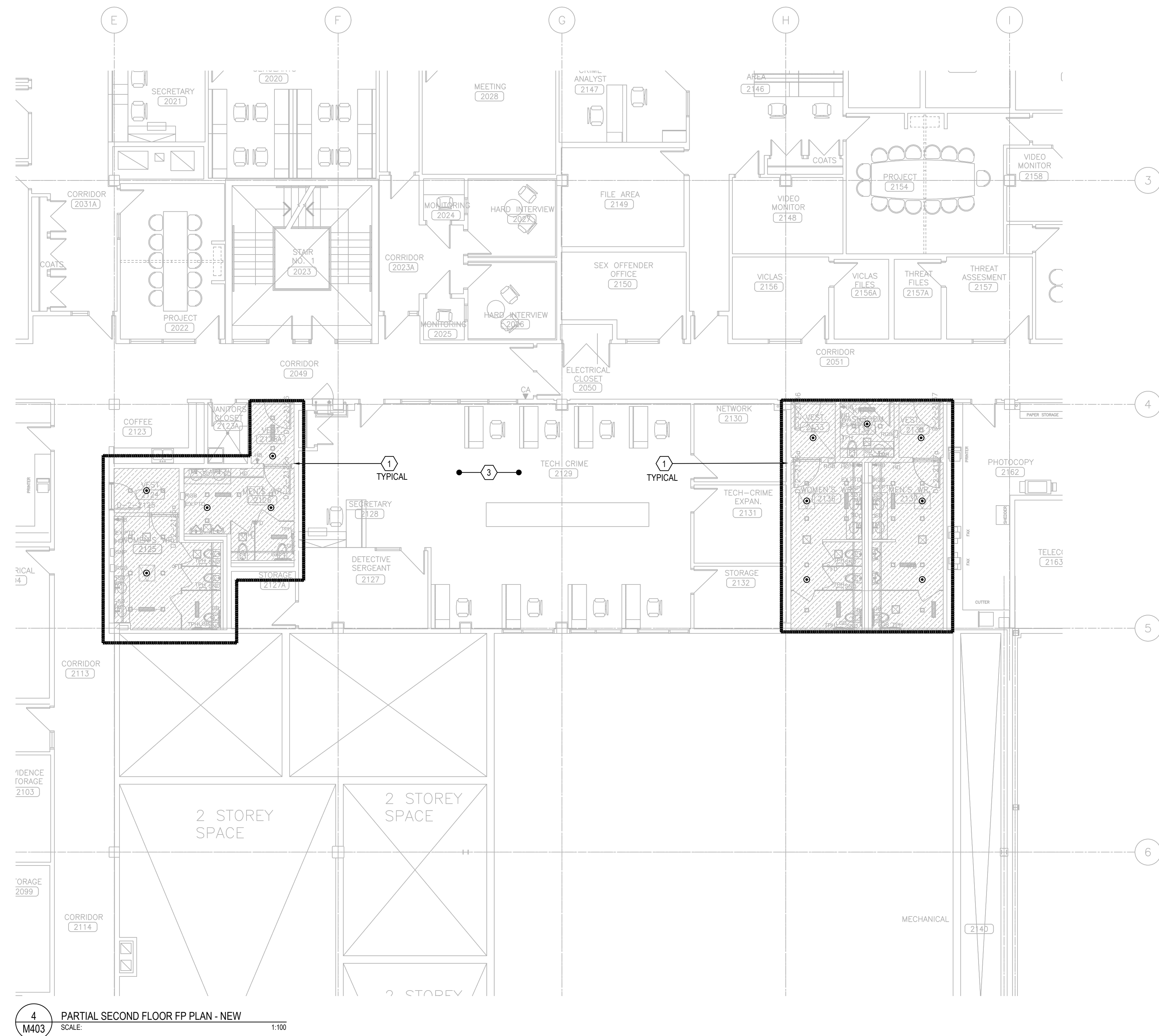
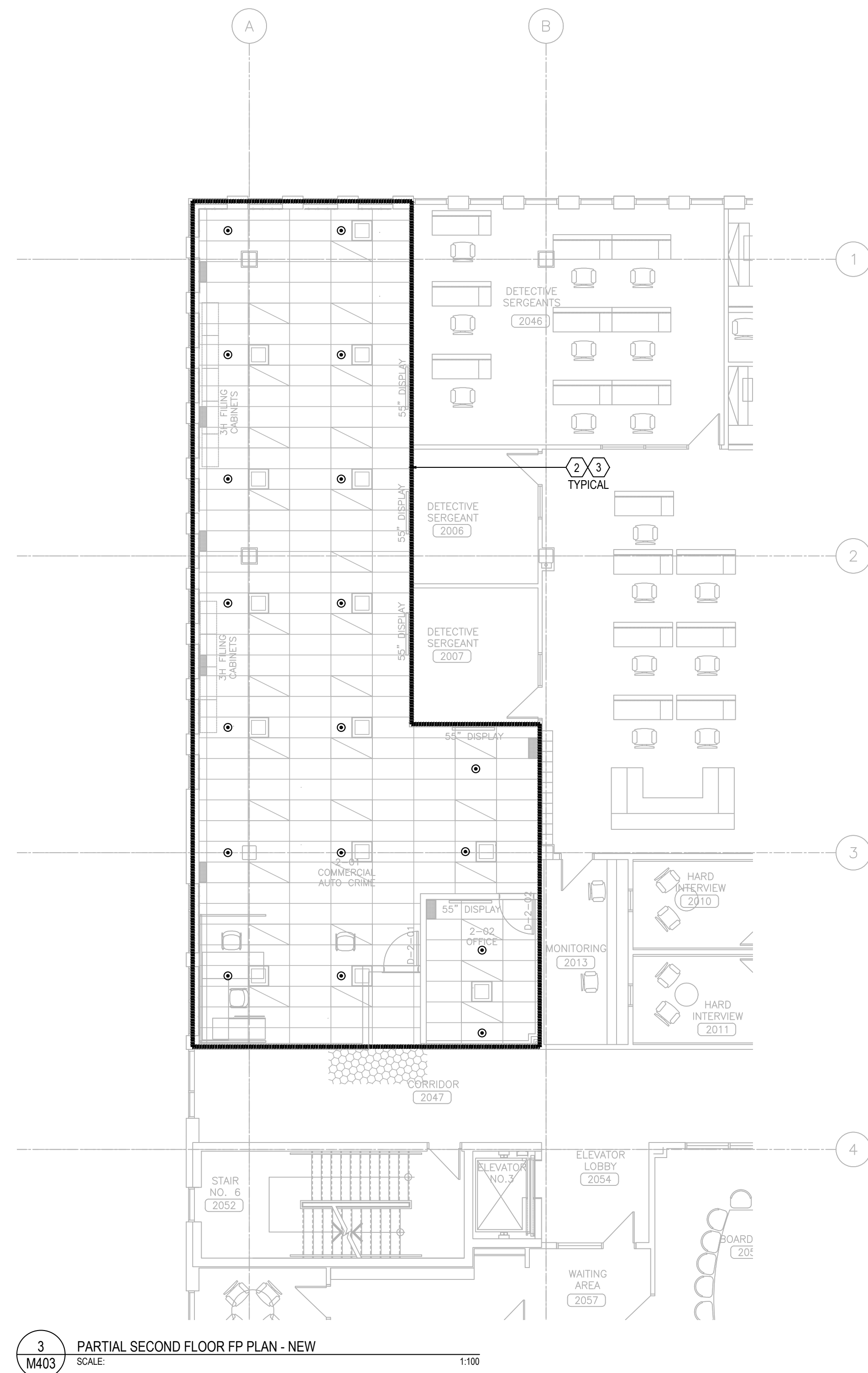


STEPHENSON ENGINEERING
MECHANICAL CONSULTANT
EXP SERVICES INC.
ELECTRICAL CONSULTANT
EXP SERVICES INC.

SHEET TITLE
PARTIAL BASEMENT FLOOR
- FP DEMO & NEW

SHEET NO.	DRAWN BY	CHECKED BY
M401	MRK	HE
PROJECT NO.	SCALE	
MRK-25008951-A0		

[illegible]



- FIRE PROTECTION DEMOLITION DRAWING NOTES:
- ① ALL EXISTING SPRINKLER SYSTEMS, SUPPLY MAIN TO REMAIN. (TYPICAL)
 - ② ALL EXISTING CEILING MOUNTED SPRINKLER HEADS WITHIN THE AREA TO BE DEMOLISHED. CAP BRANCH BACK TO MAIN. PROVIDE FIRE WATCH AS REQUIRED FOR THE DURATION WHEN SPRINKLER SYSTEM IS DRAINED DOWN. (TYPICAL OF ALL)
 - ③ EXISTING SPRINKLER ZONE CONTROL VALVE CABINET TO REMAIN. (TYPICAL)
 - ④ ALL EXISTING FIRE EXTINGUISHERS WITHIN THIS RENOVATION AREA TO BE REMOVED AND TURNING BACK TO (LANDLORD) (TYPICAL)

- FIRE PROTECTION NEW WORK DRAWING NOTES:
1. PROVIDE NEW CEILING CONCEALED PENDANT SPRINKLER HEADS FOR ALL GYPSUM, ARMSTRONG WOOD WORKS FLAT CEILING AREA. EXTEND OR PROVIDE NEW BRANCH PIPE TO SUIT NEW SPRINKLER HEAD LOCATION, (TYPICAL).
 2. PROVIDE NEW CEILING CONCEALED SPRINKLER HEADS IN T-BAR CEILING SPACE. EXTEND OR PROVIDE NEW BRANCH PIPE TO SUIT NEW SPRINKLER HEAD LOCATION, (TYPICAL).
 3. ALLOW FOR THE INSTALLATION 5 ADDITIONAL SPRINKLER HEADS WITH ASSOCIATED BRANCH PIPING AS MAY BE REQUIRED FOR THE INTERFERENCES IN CEILING AREA.

6.	ISSUED FOR CONSTRUCTION	2026.08.21
5.	ISSUED FOR TENDER	2026.05.01
4.	ISSUED FOR BUILDING PERMIT	2026.04.08
3.	ISSUED FOR 100% CLIENT REVIEW	2026.03.31
2.	ISSUED FOR 66% CLIENT REVIEW	2026.01.09
1.	ISSUED FOR COSTING REVIEW	2025.11.24
NO.	DESCRIPTION	DATE
REVISIONS		



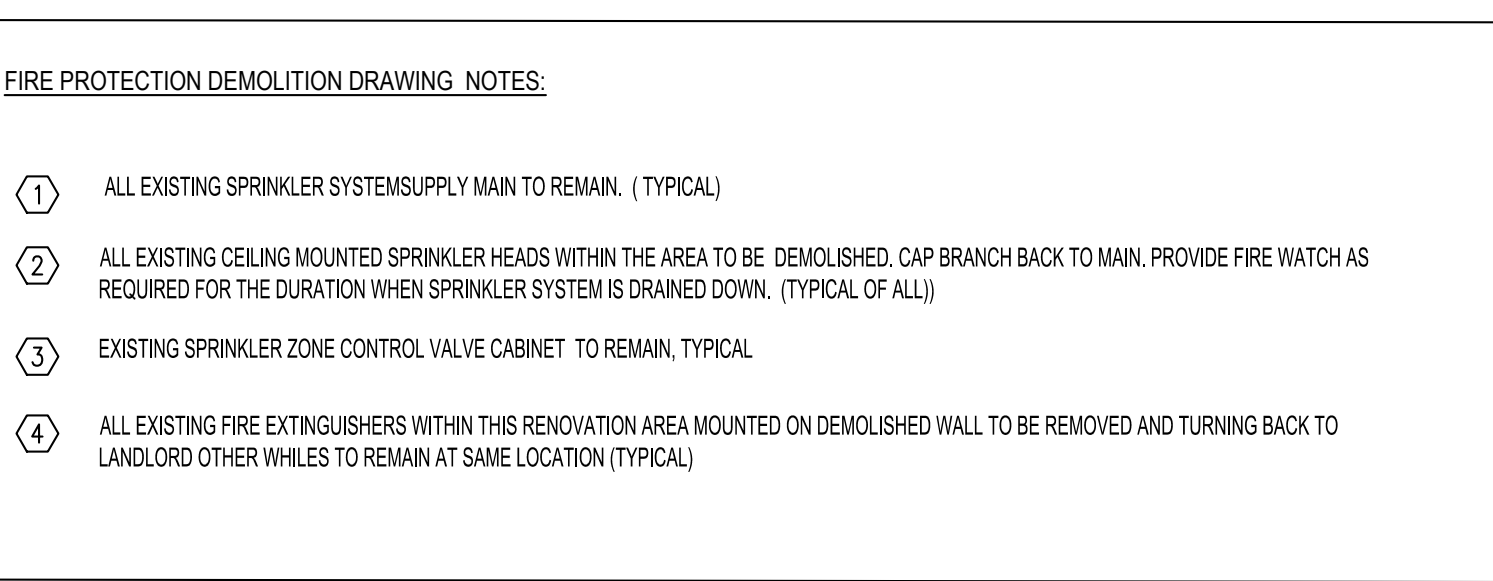
EMIL V. KOLB CENTRE
PEEL REGIONAL POLICE FACILITY
INTERIOR RENOVATION PROJECT
180 DERRY ROAD EAST, MISSISSAUGA, ON L5T 2Y5



NORTH	STRUCTURAL CONSULTANT Stephenson Engineering
	MECHANICAL CONSULTANT EXP Services Inc.
	ELECTRICAL CONSULTANT EXP Services Inc.

PARTIAL SECOND FLOOR -
FP DEMO & NEW

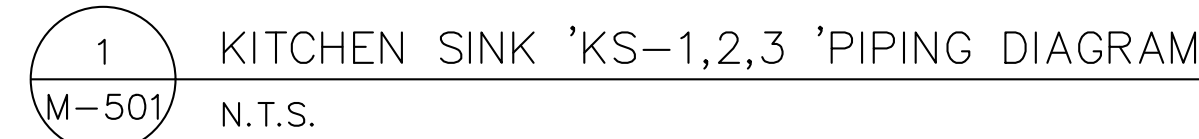
SHEET NO. M403	DRAWN BY SS/LL	CHECKED KE
	PROJECT NO. MRK-25008951-A0	
	SCALE	



FIRE PROTECTION NEW WORK DRAWING NOTES:

- ① PROVIDE NEW BRANCH CONCEALED PENDANT SPRINKLER HEADS FOR ALL GYPSUM, ARMSTRONG WOOD WORKS PLAT CEILING AREA. EXTEND OR PROVIDE NEW BRANCH PIPE TO SUIT NEW SPRINKLER HEADS (TYPICAL).
- ② PROVIDE NEW BRANCH CONCEALED SPRINKLER HEADS IN T&B CEILING SPACE. EXTEND OR PROVIDE NEW BRANCH PIPE TO SUIT NEW SPRINKLER HEAD LOCATION (TYPICAL).
- ③ PROVIDE NEW 5/8" RECESSED TYPE A,B,C FIRE EXTINGUISHER TO MATCH EXISTING AT THIS APPROXIMATE LOCATION.
- ④ ALLOW FOR THE INSTALLATION 5 ADDITIONAL SPRINKLER HEADS ON ASSOCIATED BRANCH PIPING AS MAY BE REQUIRED FOR THE INTERFERENCES IN ARCH. CEILING AREA.

[illegible]



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PLUMBING VENT	GREEN
FIRE LINE	RED

NOTES:

- ALL SANITARY VENTING TO BE INSTALLED IN ACCORDANCE WITH LATEST EDITION OF THE OBC.
- ALL FLOOR DRAINS & HUB DRAINS SHALL BE TRAPPED, VENTED AND PRIMED BELOW FLOOR.

6.	ISSUED FOR CONSTRUCTION	2026.08.21
5.	ISSUED FOR TENDER	2026.05.01
4.	ISSUED FOR BUILDING PERMIT	2026.04.08
3.	ISSUED FOR 100% CLIENT REVIEW	2026.03.31
2.	ISSUED FOR 86% CLIENT REVIEW	2026.01.09
1.	ISSUED FOR COSTING REVIEW	2025.11.24
NO.	DESCRIPTION	DATE

REVISIONS

PROJECT



REGION OF PEEL

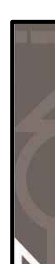
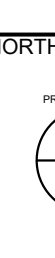
**EMIL V. KOLB CENTRE
PEEL REGIONAL POLICE FACILITY
INTERIOR RENOVATION PROJECT**

160 DERRY ROAD EAST, MISSISSAUGA, ON L5T 2Y2

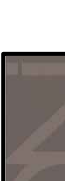
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RADIANT PANEL SCHEDULE								
SYSTEM REFERENCE TAG	MANUFACTURER	MODEL	WIDTH (MM)	TUBE PASSES (QTY)	HEATING CAPACITY (W/M)	MEAN TEMPERATURE (°C)	FLOW (LPS/M)	REMARKS
RP-1	SIGMA	SLC	610	4	349	71.1	0.0038	
RP-2	SIGMA	SLC	610	4	349	71.1	0.0038	
NOTES:	1. REFER TO FLOOR PLANS FOR EXACT QUANTITY. 2. BASED ON 82C EWT AND 60C LWT, 71C MWT. 3. CONTRACTOR TO PROVIDE FILLER SECTIONS AS REQUIRED FOR CONTINUOUS FINISH. COORDINATE INSTALLATION WITH ARCHITECTURAL REFLECTED CEILING PLANS. ALL RADIANT PANEL CONSTRUCTION TO BE COORDINATED WITH ANY COLUMNS, PLUMBING CHASE FURR OUTS OR OTHER OBSTRUCTIONS ON SITE. PROVIDE CONNECTING RADIANT PANEL SECTIONS FOR CONTINUOUS FINISH C/W SERPENTINE CIRCUITING OR SOFT COPPER TUBING TO CONNECT PIPES BETWEEN RADIANT PANELS. INSTALL AS PER MANUFACTURER RECOMMENDATIONS. 4. COORDINATE WITH GENERAL CONTRACTOR AND PROVIDE ALL ACCESSORIES AND SUPPORTS AS REQUIRED TO INSTALL AS PER MANUFACTURER RECOMMENDATIONS.							

DIFFUSERS & GRILLES SCHEDULE					
SYSTEM REFERENCE TAG	MANUFACTURER & MODEL NO.	TYPE	FACE SIZE	DAMPER	REMARKS
A	EH PRICE/ SPD	SQUARE PLAQUE DIFFUSER	600 X 600	Y	REFER TO PLANS FOR DIFFUSER NECK SIZE.
B	EH PRICE/ 80	RETURN AIR GRILLE	AS PER DRAWING	N	
C	EH PRICE/ SDS 100	LINEAR SLOT DIFFUSER	AS PER DRAWING	Y	2 SLOT - 1" WIDE LINEAR C/W INSULATED SDA PLENUM SET TO 45 DEG. DOWNWARD DEFLECTION.
D	EH PRICE/ 530	EXHAUST AIR GRILLE	AS PER DRAWING	Y	
E	EH PRICE/ 530	RETURN AIR GRILLE	AS PER DRAWING	N	
F	EH PRICE/ 620D	DOUBLE DEFLECTION	AS PER DRAWING	Y	
NOTES:	1. GRILLES/ DIFFUSERS AND LOUVERS TO BE PAINTED AS PER ARCHITECTURAL REQUIREMENT. FINISH TO BE COORDINATED PRIOR TO ORDERING. 2. PROVIDE AIR FLOW DAMPERS FOR EXHAUST GRILLES DUCTED BACK TO THE UNIT. 3. MOUNTING TYPE TO BE COORDINATED WITH ARCHITECTURAL REFLECTED CEILING PLAN. 4. ALL DIFFUSERS SELECTED SHALL BE NC 22 AND BELOW				

7	ISSUED FOR CONSTRUCTION	2026.08.21
6	ISSUED FOR ADJUST	2026.08.24
5	ISSUED FOR TENDER	2026.09.01
4	ISSUED FOR BUILDING PERMIT	2026.04.08
3	ISSUED FOR 100% CLIENT REVIEW	2026.03.31
2	ISSUED FOR 50% CLIENT REVIEW	2026.01.09
1	ISSUED FOR COSTING REVIEW	2025.11.24
NO.	DESCRIPTION	DATE
REVISIONS		
PROJECT		
 PEEL REGIONAL POLICE REGION OF PEEL EMIL V. KOLB CENTRE PEEL REGIONAL POLICE FACILITY INTERIOR RENOVATION PROJECT 160 DELURY ROAD EAST, MISSISSAUGA, ON L7T 2Y5		
 The consultant shall attend and verify all dimensions and report the results to the client. The consultant shall be responsible for the accuracy of the information provided and shall be responsible for the accuracy of the information provided. The consultant shall be responsible for the accuracy of the information provided. THIS DRAWING IS THE PROPERTY OF NGA ARCHITECTS. IT IS TO BE USED FOR THE PROJECT SPECIFICALLY IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF NGA ARCHITECTS. ISSUED FOR CONSTRUCTION 2024		
NORTH	STRUCTURAL CONSULTANT Stephenson Engineering TECHNICAL CONSULTANT EXP Services Inc. ELECTRICAL CONSULTANT EXP Services Inc.	
 SHEET TITLE MECHANICAL SERVICES		
SHEET NO.	DRAWN BY	CHECKED BY
M601	SBILL	
PROJECT NO.		
MRK-20058951-A-0		
SCALE		

EXISTING EXHAUST FAN SCHEDULE (FOR REFERENCE)					
SYSTEM REFERENCE TAG	DESCRIPTION	LOCATION	AIR FLOW (L/S)	FAN E.S.P. (Pa)	REMARKS
EF-1	MAIN WASH ROOM	ROOF	3,230	250	
EF-7	WASH ROOMS	ROOF	1,350	175	
NOTES:					

6.	ISSUED FOR CONSTRUCTION	2028.08.21
5.	ISSUED FOR TENDER	2028.05.01
4.	ISSUED FOR BUILDING PERMIT	2028.05.01
3.	ISSUED FOR 10% CLIENT REVIEW	2028.03.31
2.	ISSUED FOR 65% CLIENT REVIEW	2028.01.09
1.	ISSUED FOR COSTING REVIEW	2028.11.24
	DATE	
NO DESCRIPTION		
REVISIONS		
PROJECT		
		
REGIONAL OF PEEL		
EMIL V. KOLB CENTRE PEEL REGIONAL POLICE FACILITY INTERIOR RENOVATION PROJECT 180 DERRY ROAD WEST, MISSISSAUGA, ON L2T 2Y5		
 NORTH 		
The applicant shall check and verify dimensions and exact locations of all items shown on drawings and report back to generalist office upon a return to his drawing. On site work may require.		
This drawing shall not be used for construction purposes without the approval of the project manager or consultant and shall not be altered without the written consent of the project manager or consultant.		
READY FOR CONSTRUCTION		2014
(STRUCTURAL CONSULTANT) Stephenson Engineering NEEDHAMCROFT CONSULTANT EXP Services Inc. ELECTRICAL CONSULTANT EXP Services Inc.		
SHEET TITLE MECHANICAL SCHEDULES		
DRAWN BY M602	SIBILL	CHECKED KE
PROJECT NO. MRK-25008951-A0		
SCALE		