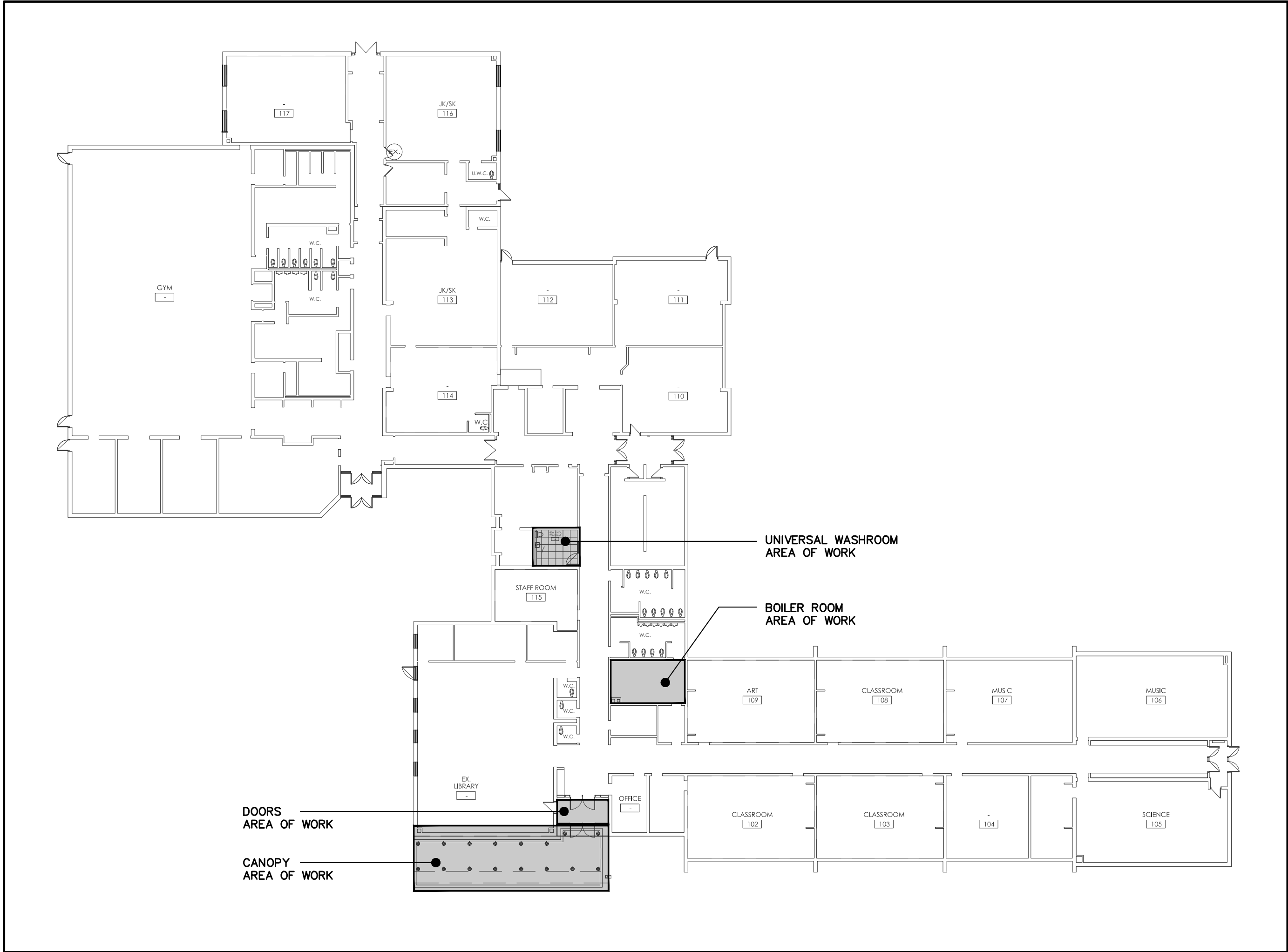


PIPING LEGEND	
	HOT WATER SUPPLY (HWS)
	HOT WATER RETURN (HWR)
	EQUIPMENT DRAIN LINE
	GAS
	RELIEF VENT
	PIPE ANCHOR
	PIPE GUIDE OR SLEEVE
	BOTTOM TAKE-OFF
	TOP TAKE-OFF
	ELBOW UP
	ELBOW DOWN
	VALVE – SEE SPECIFICATIONS
	UNION CONNECTION
	FLANGED CONNECTION
	PLUG CAP
	FLEXIBLE CONNECTION
	LOW WATER CUT OFF
	THERMOMETER
	PRESSURE GAUGE
	PUMP AND DESIGNATION
	AIR VENT
	AUTOMATIC AIR VENT
	PETES PLUG
	FLOW SWITCH
	THERMO WELL
	THERMOSTAT w/GUARD
	FLOW METERING DEVICE (FMD)
	RADIANT PANELS
	UNDERCUT DOOR
	U/C
	ABOVE FINISHED FLOOR
	CIRCUIT BALANCING VALVE
	GALLONS PER MINUTE
	REQUIRED
	THERMOSTATIC CONTROL VALVE
	TYPICAL
	TRENCH FLOOR DRAIN
	BACK FLOW PREVENTOR
	CUBIC FEET HOUR

VENTILATION LEGEND	
	SOUND INSULATION
	FLEXIBLE CONNECTION
	DUCT OFFSET
	DUCT OFFSET (SINGLE LINE)
	TURNING VANES
	FIRE STOP FLAP
	BALANCING DAMPER
	FIRE DAMPER
	COMBINATION SMOKE AND FIRE DAMPER
	SPLITTER DAMPER
	BACKDRAFT DAMPER
	OPPOSED BLADE DAMPER
	MOTORIZED DAMPER
	SUPPLY DUCT SECTION
	RETURN DUCT SECTION
	SUPPLY DIFFUSER
	LINEAR DIFFUSER
	EXHAUST GRILLE
	DIFFUSER DESIGNATION AND CFM
	GRILLE DESIGNATION AND CFM
	FLEXIBLE ROUND DUCT
	CAPPED END DUCT
	DUCT REDUCER/ENLARGER
	TRANSITION  TO  ROUND
	THERMOSTAT
	THERMOSTAT w/GUARD
	THERMOSTAT c/w SUB BASE
	ACCESS DOOR
	ABOVE FINISHED FLOOR
	CUBIC FEET PER MINUTE
	EXHAUST FAN
	CABINET HEATER
	MAKE-UP AIR UNIT
	CIRCUIT BALANCING VALVE

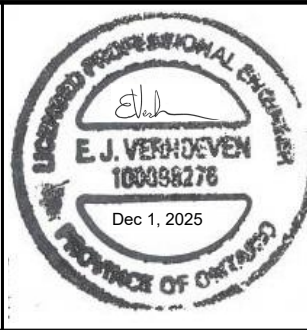
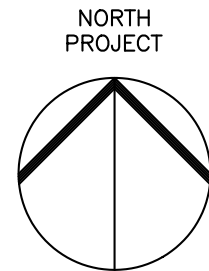
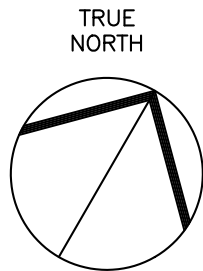
PLUMBING LEGEND	
	STORM ABOVE GRADE
	SANITARY ABOVE GRADE
	STORM BURIED
	SANITARY BURIED
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC RECIRCULATED WATER
	VENT LINE
	RELIEF VENT
	EQUIPMENT DRAIN LINE
	CLEANOUT
	FLOOR DRAIN
	FUNNEL FLOOR DRAIN
	HUB DRAIN
	ROOF DRAIN
	HOSE STATION
	FIRE HOSE CABINET
	FIRE EXTINGUISHER
	FIRE EXTINGUISHER c/w CABINET
	RAIN WATER LEADER
	WATER CLOSET
	URINAL
	SHOWER
	EMERGENCY SHOWER
	LAVATORY
	LAVATORY (HANDICAPPED)
	STAINLESS STEEL SINK
	JANITOR SINK
	DRINKING FOUNTAIN
	EMERGENCY EYE WASH
	HOT WATER TANK
	FIRE DEPT. SIAMESE CONNECTION
	THRUST BLOCK
	INVERT ELEVATION
	OBVERT ELEVATION
	HAND HOLE TRAP
	RUNNING TRAP
	APPROVED BACKFLOW PREVENTOR
	HOSE BIBB
	PUMP AND DESIGNATION

VALVE LEGEND	
	VALVE – SEE SPEC
	CHECK VALVE
	STRAINER
	PRESSURE REDUCING VALVE
	CONTROL VALVE
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	RELIEF VALVE
	PLUG VALVE
	SOLENOID VALVE
	NORMALLY CLOSED VALVE
	PET COCK
	CIRCUIT BALANCE VALVE



DRAWING LIST	
DWG No.	DRAWING TITLE
M0.0	MECHANICAL LEGEND, DRAWING LIST AND KEY PLAN
M1.0	PARTIAL FLOOR PLAN – UNIVERSAL WASHROOM – DEMOLITION PLANS
M1.1	PARTIAL FLOOR PLAN – BOILER ROOM – MECHANICAL – DEMOLITION PLAN
M2.0	PARTIAL FLOOR PLAN – UNIVERSAL WASHROOM – NEW PLANS
M2.1	PARTIAL FLOOR PLAN – BOILER ROOM – MECHANICAL – NEW PLAN
M3.0	MECHANICAL CANOPY AND DOOR PLANS
M4.0	MECHANICAL SCHEMATICS
M5.0	MECHANICAL DETAILS
ME1.0	MECHANICAL AND ELECTRICAL SCHEDULES

REVISIONS	No.	Descriptor/Date
	1	ISSUED FOR REVIEW 2025/02/28
	2	ISSUED FOR TENDER READY SET 2025/03/31
	3	ISSUED FOR PERMIT AND TENDER 2025/04/17
	4	ISSUED FOR PERMIT AND TENDER 2025/12/01



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Project Title:  
**KILBRIDE PUBLIC SCHOOL**  
6611 PANTON STREET  
KILBRIDE, ONTARIO

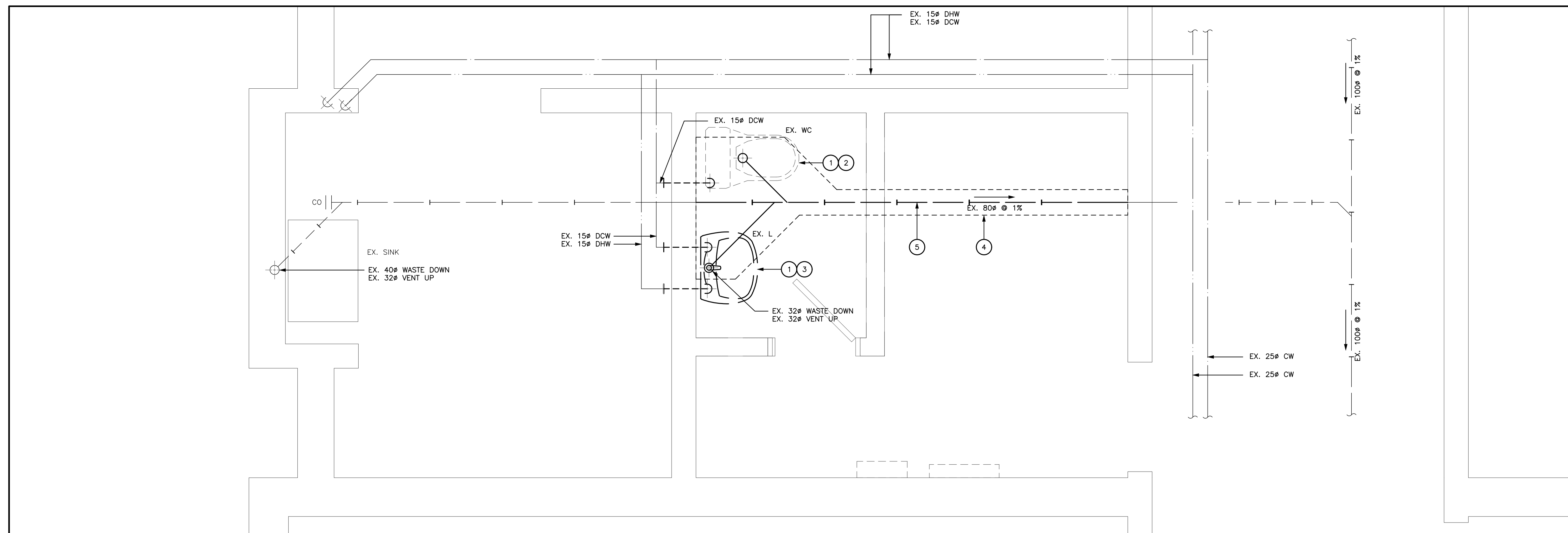
Drawing Title:  
**MECHANICAL LEGEND, DRAWING LIST AND KEY PLAN**

Drawn: JL  
Date: FEBRUARY, 2025

Checked: EV  
Date: FEBRUARY, 2025

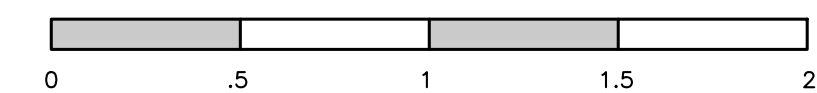
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Project Number: ALL-25001986-A0

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**Drawing Number: M0.0**  
Drawings



PARTIAL FLOOR PLAN – UNIVERSAL WASHROOM – PLUMBING – DEMOLITION PLAN

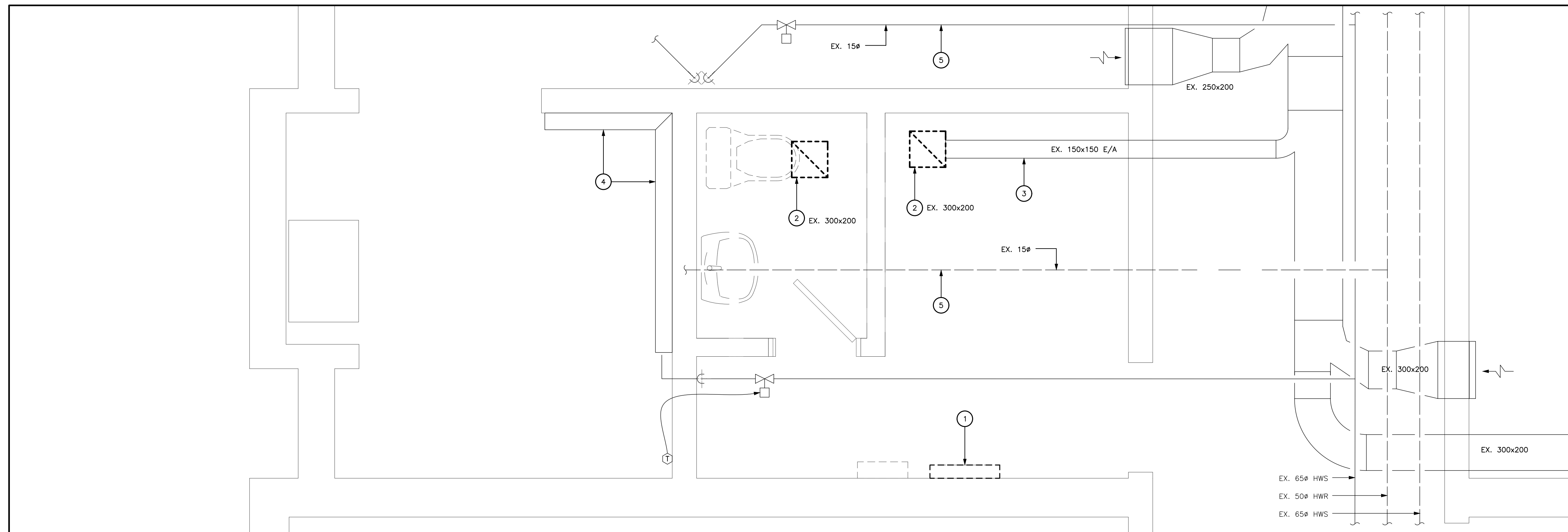
SCALE— 1:20



- # DRAWING NOTES
1. EXISTING PLUMBING FIXTURE COMPLETE WITH ALL ACCESSORIES TO BE DEMOLISHED AND REMOVED FROM SITE.
  2. PREPARE EXISTING DOMESTIC WATER, SANITARY AND VENT PIPING FOR REUSE.
  3. CUTBACK EXISTING DOMESTIC WATER, SANITARY AND VENT PIPING TO EXTENT INDICATED AND PREPARE FOR REUSE.
  4. CONTRACTOR TO SAW CUT FLOOR EXCAVATE TRENCH, DEMOLISH EXISTING PIPE TO EXTENT INDICATED.
  5. PORTION OF EXISTING UNDERGROUND SANITARY PIPE TO BE REMOVED FROM SITE.

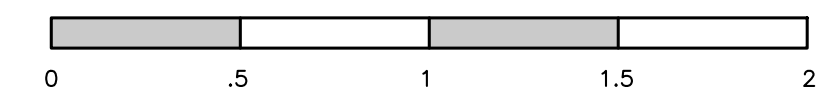
## GENERAL NOTES

- A) THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS. THIS INFORMATION IS FOR INFORMATION ONLY. IT IS TO BE COMPLETE OR UP-TO-DATE. THE MECHANICAL CONTRACTOR SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES AND UTILITIES TO CONFIRM THE LOCATION AND LOCATION OF THESE SERVICES, BEFORE THE COMMENCEMENT OF ANY WORKS
- B) FOR DRAWINGS LEGENDS SEE DRAWING M.O.O.
- C) HAZARDOUS ASBESTOS CONTAINING MATERIALS ARE KNOWN TO BE PRESENT WITHIN THE EXISTING BUILDING. REFER TO DIVISION 01 FOR FURTHER INFORMATION ON ASBESTOS CONTAINING MATERIALS. THE CONTRACTOR SHALL COMPLY WITH INFECTION CONTROL AND ASBESTOS ABATEMENT REGULATIONS. AN ASBESTOS ABATEMENT REPORT IS AVAILABLE FOR REVIEW. CERTIFIED COMPANIES MUST HANDLE THE DISPOSAL OF ASBESTOS CONTAINING MATERIALS.



PARTIAL FLOOR PLAN – UNIVERSAL WASHROOM – HVAC – DEMOLITION PLAN





SCALE— 1:20



- # DRAWING NOTES
1. EXISTING ELECTRIC BASEBOARD HEATER TO BE DEMOLISHED AND REMOVED FROM SITE.
  2. EXISTING EXHAUST GRILLE TO BE DEMOLISHED AND REMOVED FROM SITE. DEMOLISH ALL ASSOCIATED ACCESSORIES.
  3. EXISTING DUCTWORK TO REMAIN AND BE REUSED.
  4. EXISTING CONVECTOR TO REMAIN.
  5. EXISTING HEATING WATER PIPING TO REMAIN

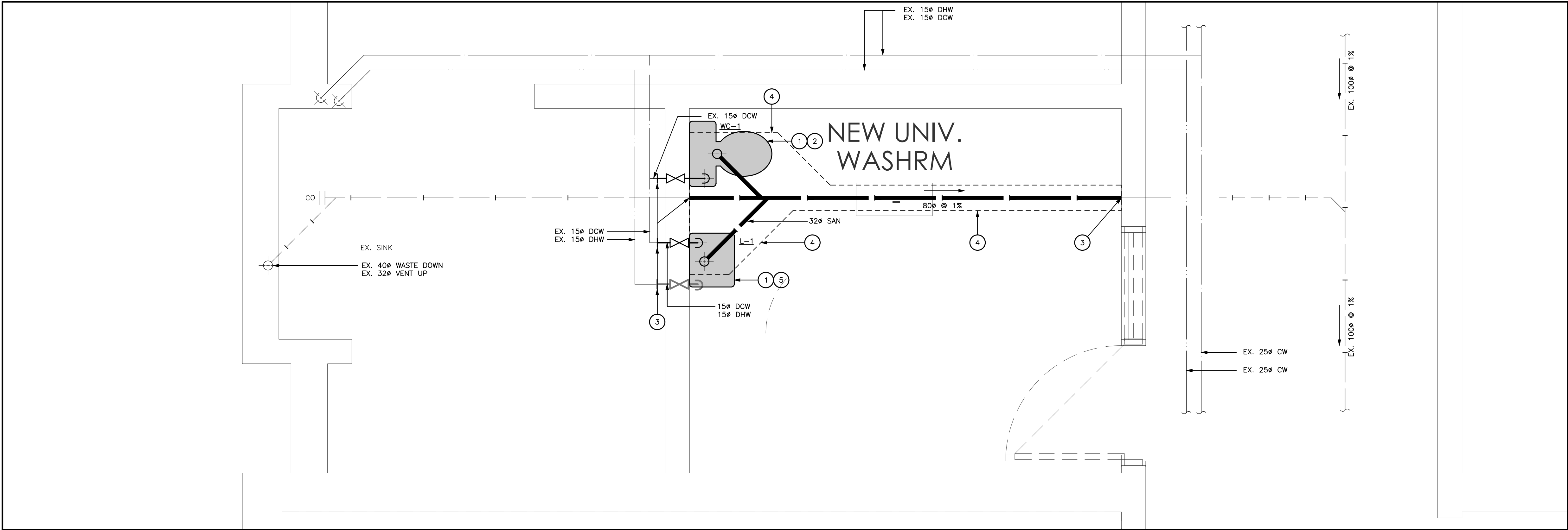
## GENERAL NOTES

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- B) FOR DRAWINGS LEGENDS SEE DRAWING M.O.0.
- C) HAZARDOUS ASBESTOS CONTAINING MATERIALS ARE KNOWN TO BE PRESENT WITHIN THE PROJECT WORKING AREA. THE 01 REQUIREMENTS FOR WORKING WITH ASBESTOS CONTAINING MATERIALS. THE CONTRACTOR SHALL COMPLY WITH THE CONTROL AND MANAGEMENT OF HEALTH AUTHORITY REGULATIONS. AN ASBESTOS ABATEMENT REPORT IS AVAILABLE FOR REVIEW. CERTIFIED COMPANIES MUST HANDLE THE DISPOSAL OF ASBESTOS CONTAINING MATERIALS.

REVISIONS	No.	Description/Date														<div>EXP Services Inc. </div>	Project Title: KILBRIDE PUBLIC SCHOOL 6611 PANTON STREET KILBRIDE, ONTARIO	Drawn: JL	Scale: AS NOTED
	1	ISSUED FOR REVIEW 2025/02/28															Date: FEBRUARY, 2025	Project Number: ALL-25001986-A0	
	2	ISSUED FOR TENDER READY SET 2025/03/31															Checked: EV	<div>Due Set Contains Drawings</div> <div>Drawing Number: M1.0</div>	
	3	ISSUED FOR PERMIT AND TENDER 2025/04/17															Date: FEBRUARY, 2025	Revision	
	4	ISSUED FOR PERMIT AND TENDER 2025/12/01																	



- A) THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS; THIS INFORMATION MUST NOT BE ASSUMED TO BE COMPLETE OR UP-TO-DATE. THE MECHANICAL CONTRACTOR SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES AND STRUCTURE TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES, BEFORE THE COMMENCEMENT OF ANY WORKS
- B) FOR DRAWINGS LEGENDS SEE DRAWING M0.0.
- C) HAZARDOUS ASBESTOS CONTAINING MATERIALS ARE KNOWN TO BE PRESENT WITHIN THE EXISTING BUILDING. REFER TO DIVISION 01 REQUIREMENTS FOR WORKING WITH ASBESTOS CONTAINING MATERIALS. THE CONTRACTOR SHALL COMPLY WITH INFECTION CONTROL AND PUBLIC HEALTH ACT REGULATIONS. AN ASBESTOS ABATEMENT REPORT IS AVAILABLE FOR REVIEW. CERTIFIED COMPANIES MUST HANDLE AND DISPOSE OF ASBESTOS CONTAINING MATERIALS.



PARTIAL FLOOR PLAN – UNIVERSAL WASHROOM – PLUMBING – NEW PLAN

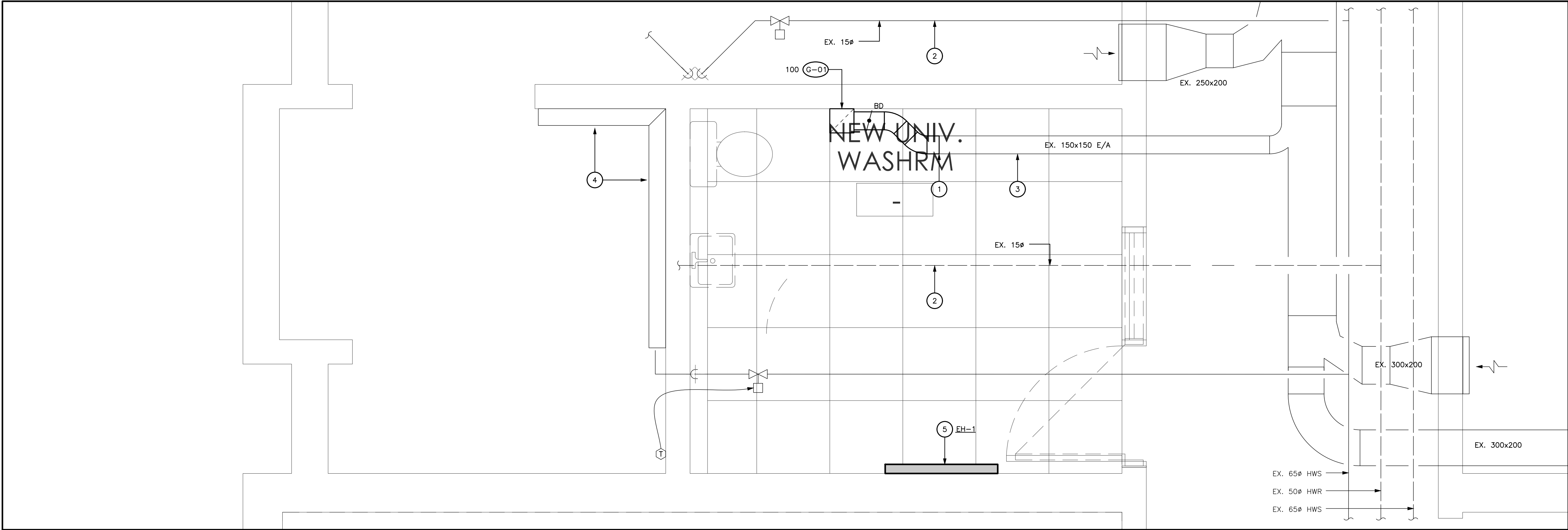


DRAWING NOTES

1. INSTALL NEW PLUMBING FIXTURE COMPLETE WITH NEW DOMESTIC WATER SHUTOFF VALVES.
2. MODIFY AND REUSE EXISTING VENT PIPING TO SUIT INSTALLATION OF NEW WATER CLOSET.
3. CONNECT TO EXISTING PIPE AT LOCATION INDICATED.
4. CONTRACTOR TO SAW CUT FLOOR, EXCAVATE TRENCH, INSTALL DRAINAGE PIPE AS INDICATED AND BACKFILL TRENCH. CONTRACTOR TO MAKE FLOOR GOOD.
5. INSULATE FIXTURE PIPING AS OUTLINED BY ONTARIO BUILDING CODE. REFER TO MECHANICAL SPECIFICATIONS FOR ADDITIONAL DETAILS.

GENERAL NOTES

- A) ALL PIPING, VALVES AND EQUIPMENT TO BE CONCEALED UNLESS OTHERWISE NOTED.
- B) CO-ORDINATE ALL FLOOR DRAINS WITH ARCHITECTURAL DRAWINGS.
- C) ALL RUNNING TRAPS TO BE COMPLETE WITH TRAP SEAL PRIMER CONNECTION.
- D) CO-ORDINATE PIPE RUNS WITH SHEETMETAL, HEATING, SPRINKLER AND ELECTRICAL DIVISIONS.
- E) SUPPLY AND INSTALL PIPE SLEEVES FOR PIPES PASSING THROUGH FOUNDATION WALLS OR FLOORS.
- F) ALL CATCHBASINS/AREA DRAINS AND FLOOR DRAINS TO BE INDIVIDUALLY TRAPPED, PRIMED AND VENTED.
- G) FOR DRAWINGS LEGENDS SEE DRAWING M0.0.
- H) HAZARDOUS ASBESTOS CONTAINING MATERIALS ARE KNOWN TO BE PRESENT WITHIN THE EXISTING BUILDING. REFER TO DIVISION 01 REQUIREMENTS FOR WORKING WITH ASBESTOS CONTAINING MATERIALS. THE CONTRACTOR SHALL COMPLY WITH INFECTION CONTROL AND LOCAL HEALTH AUTHORITY REGULATIONS. AN ASBESTOS ABATEMENT REPORT IS AVAILABLE FOR REVIEW. CERTIFIED COMPANIES MUST HANDLE AND DISPOSE OF ASBESTOS CONTAINING MATERIALS.



PARTIAL FLOOR PLAN – UNIVERSAL WASHROOM – HVAC – NEW PLAN


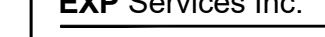




DRAWING NOTES

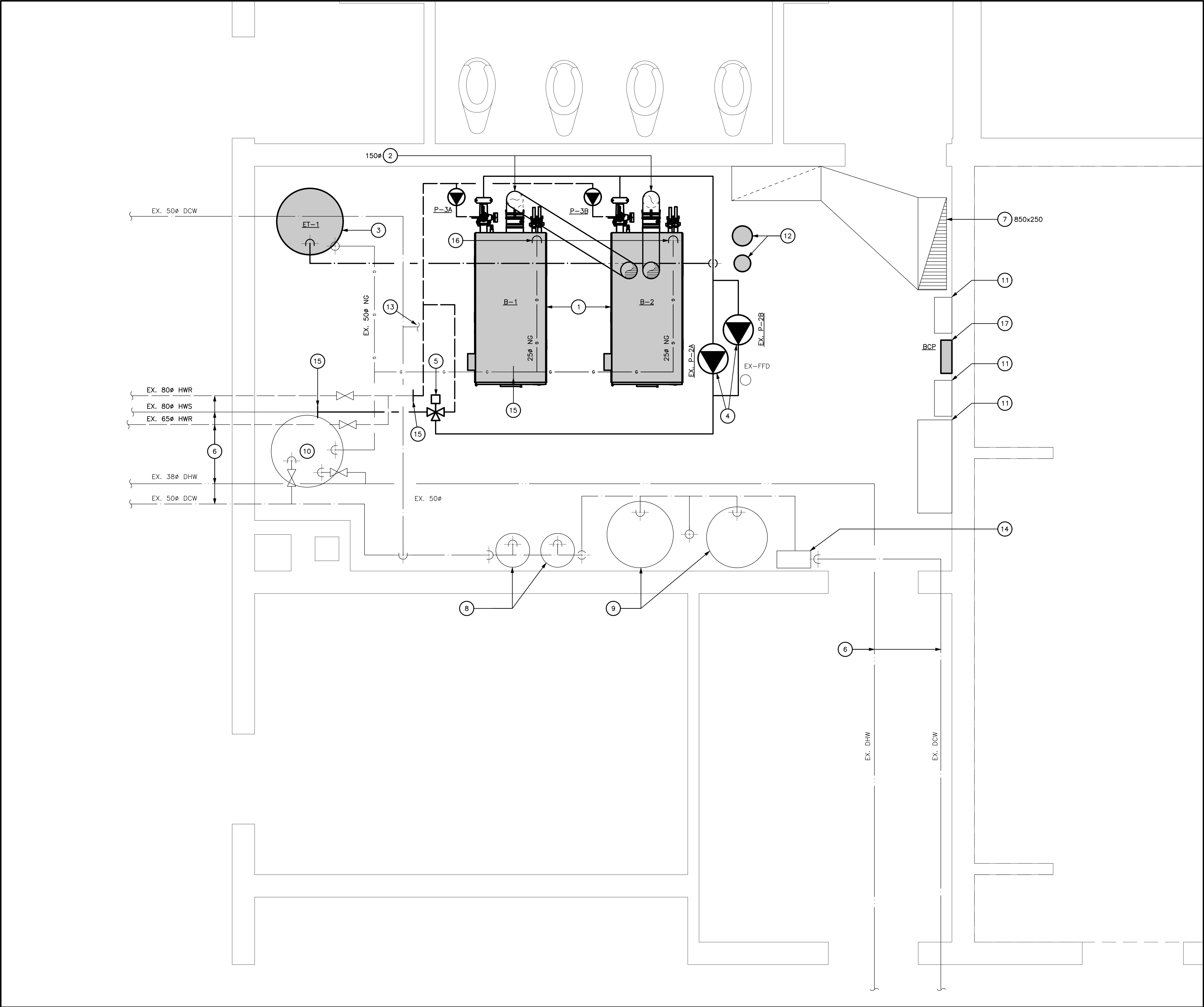
1. CONNECT TO EXISTING AIR DUCT AT LOCATION INDICATED. SEAL CONNECTION TO BE AIR TIGHT.
2. EXISTING HEATING WATER PIPING TO REMAIN
3. EXISTING DUCTWORK TO REMAIN.
4. EXISTING CONVECTOR TO REMAIN.
5. INSTALL NEW ELECTRIC BASEBOARD HEATER AS PER MANUFACTURERS INSTRUCTION.

GENERAL NOTES

- A) MINIMUM PIPE SIZE TO BE 20mm (3/4") DIAMETER UNLESS OTHERWISE NOTED.
- B) ALL PIPING, VALVES AND EQUIPMENT SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
- C) CO-ORDINATE PIPE RUNS WITH SHEETMETAL, PLUMBING, SPRINKLER AND ELECTRICAL DIVISIONS.
- D) FOR EXACT LOCATION OF GRILLES AND DIFFUSERS REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.
- E) ALL DUCTWORK AND EQUIPMENT TO BE CONCEALED IN CEILING SPACE UNLESS NOTED OTHERWISE.
- F) DUCT RUNOUTS TO MATCH GRILLE/DIFFUSER SIZE UNLESS OTHERWISE NOTED.
- G) DUCTWORK LOCATIONS TO BE FULLY CO-ORDINATED WITH GENERAL, PLUMBING, SPRINKLER AND ELECTRICAL CONTRACTORS PRIOR TO FABRICATION OR INSTALLATION.
- H) FOR DRAWING LEGENDS SEE DRAWING M0.0.
- I) READ IN CONJUNCTION WITH SCHEMATICS AND DETAILS.
- J) HAZARDOUS ASBESTOS CONTAINING MATERIALS ARE KNOWN TO BE PRESENT WITHIN THE EXISTING BUILDING. REFER TO DIVISION 01 REQUIREMENTS FOR WORKING WITH ASBESTOS CONTAINING MATERIALS. THE CONTRACTOR SHALL COMPLY WITH INFECTION CONTROL AND LOCAL HEALTH AUTHORITY REGULATIONS. AN ASBESTOS ABATEMENT REPORT IS AVAILABLE FOR REVIEW. CERTIFIED COMPANIES MUST HANDLE AND DISPOSE OF ASBESTOS CONTAINING MATERIALS.

REVISIONS	Description/Date					EV		Project Title: KILBRIDE PUBLIC SCHOOL 6611 PANTON STREET KILBRIDE, ONTARIO	Drawing Title: PARTIAL FLOOR PLAN - UNIVERSAL WASHROOM - NEW PLANS	Drawn: JL		Scale: AS NOTED					
	No.									Date:		Date:					
1	ISSUED FOR REVIEW 2025/02/28																
2	ISSUED FOR TENDER READY SET 2025/03/31																
3	ISSUED FOR PERMIT AND TENDER 2025/04/17																
4	ISSUED FOR PERMIT AND TENDER 2025/12/01																





PARTIAL FLOOR PLAN – BOILER ROOM – MECHANICAL – NEW PLAN



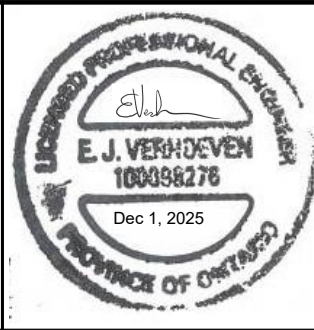
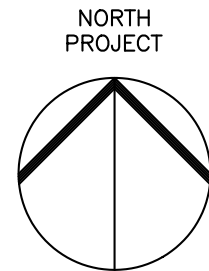
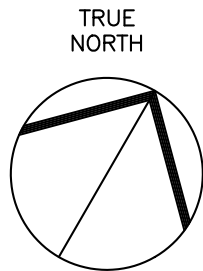
DRAWING NOTES

1. INSTALL NEW GAS FIRED BOILER AS PER MANUFACTURERS INSTRUCTIONS. BOILER TO COME COMPLETE WITH CONDENSATE NEUTRALIZATION KIT AND DRAINED TO NEAREST FFD. REFER TO MECHANICAL SCHEMATICS ON SHEET M3.0 FOR ADDITIONAL DETAILS.
2. INSTALL NEW BOILER VENTING AS PER MANUFACTURERS RECOMMENDATION. RE-USE EXISTING ROOF OPENING AND PATCH AS REQUIRED.
3. INSTALL NEW EXPANSION TANK AS PER MANUFACTURERS RECOMMENDATION. REFER TO MECHANICAL SCHEMATICS ON SHEET M3.0 FOR ADDITIONAL DETAILS.
4. REINSTALL EXISTING HEATING SYSTEM PUMPS COMPLETE WITH ALL SPECIALTIES AND ACCESSORIES AT NEW LOCATION. REFER TO MECHANICAL SCHEMATICS ON SHEET M3.0 FOR ADDITIONAL DETAILS.
5. REINSTALL EXISTING HEATING SYSTEM THREE-WAY CONTROL VALVE. REFER TO MECHANICAL SCHEMATICS ON SHEET M3.0 FOR ADDITIONAL DETAILS.
6. EXISTING PIPING TO REMAIN. SERVICE AND SIZE AS INDICATED ON PLANS.
7. EXISTING COMBUSTION AIR DUCT TO REMAIN AND BE REUSED.
8. EXISTING WATER SOFTENING EQUIPMENT TO REMAIN.
9. EXISTING DOMESTIC WATER EXPANSION TANKS TO REMAIN.
10. EXISTING DOMESTIC HOT WATER TANK TO REMAIN.
11. EXISTING BAS CONTROL CABINET TO REMAIN. MODIFY AS REQUIRED TO COMPLETE HEATING SYSTEM SCOPE OF WORK.
12. INSTALL NEW POT FEEDER AND FILTER FOR HEATING SYSTEM. EXACT LOCATION TO BE COORDINATED ON SITE. REFER TO MECHANICAL DETAILS AND SCHEMATICS.
13. CONTINUES TO EXISTING BOILER MAKE-UP WATER ASSEMBLY. ASSEMBLY TO REMAIN. REFER TO SCHEMATICS ON M3.0 FOR ADDITIONAL DETAILS.
14. EXISTING WATER METER.
15. CONNECT TO EXISTING PIPE SERVICE. MATCH PIPE SIZE TO EXISTING CONDITION.
16. DROP NATURAL GAS PIPING DOWN TO BELOW AND CONNECT TO NEW GAS FIRED BOILER COMPLETE WITH ISOLATION VALVE AND DIRT LEG.
17. INSTALL NEW BOILER PANEL AT APPROXIMATE LOCATION. EXACT POSITION TO BE DETERMINED ON SITE. REPORT TO ENGINEER OF ANY CONCERNS.

GENERAL NOTES

- A) MINIMUM PIPE SIZE TO BE 20mm (3/4") DIAMETER UNLESS OTHERWISE NOTED.
- B) ALL PIPING, VALVES AND EQUIPMENT SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
- C) CO-ORDINATE PIPE RUNS WITH SHEETMETAL PLUMBING, SPRINKLER AND ELECTRICAL DIVISIONS.
- D) FOR EXACT LOCATION OF GRILLES AND DIFFUSERS REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.
- E) ALL DUCTWORK AND EQUIPMENT TO BE CONCEALED IN CEILING SPACE UNLESS NOTED OTHERWISE.
- F) DUCT RUNOUTS TO MATCH GRILLE/DIFFUSER SIZE UNLESS OTHERWISE NOTED.
- G) DUCTWORK LOCATIONS TO BE FULLY CO-ORDINATED WITH GENERAL, PLUMBING, SPRINKLER AND ELECTRICAL CONTRACTORS PRIOR TO FABRICATION OR INSTALLATION.
- H) FOR DRAWING LEGENDS SEE DRAWING M0.0.
- I) READ IN CONJUNCTION WITH SCHEMATICS AND DETAILS.
- J) HAZARDOUS ASBESTOS CONTAINING MATERIALS ARE KNOWN TO BE PRESENT WITHIN THE EXISTING BUILDING. REFER TO DIVISION 01 REQUIREMENTS FOR WORKING WITH ASBESTOS CONTAINING MATERIALS. THE CONTRACTOR SHALL COMPLY WITH INFECTION CONTROL AND LOCAL HEALTH AUTHORITY REGULATIONS. AN ASBESTOS ABATEMENT REPORT IS AVAILABLE FOR REVIEW. CERTIFIED COMPANIES MUST HANDLE AND DISPOSE OF ASBESTOS CONTAINING MATERIALS.

REVISIONS	Description/Date	
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Project Title:  
**KILBRIDE PUBLIC SCHOOL**  
6611 PANTON STREET  
KILBRIDE, ONTARIO

Drawing Title:  
**PARTIAL FLOOR PLAN - BOILER ROOM -  
MECHANICAL NEW PLAN**

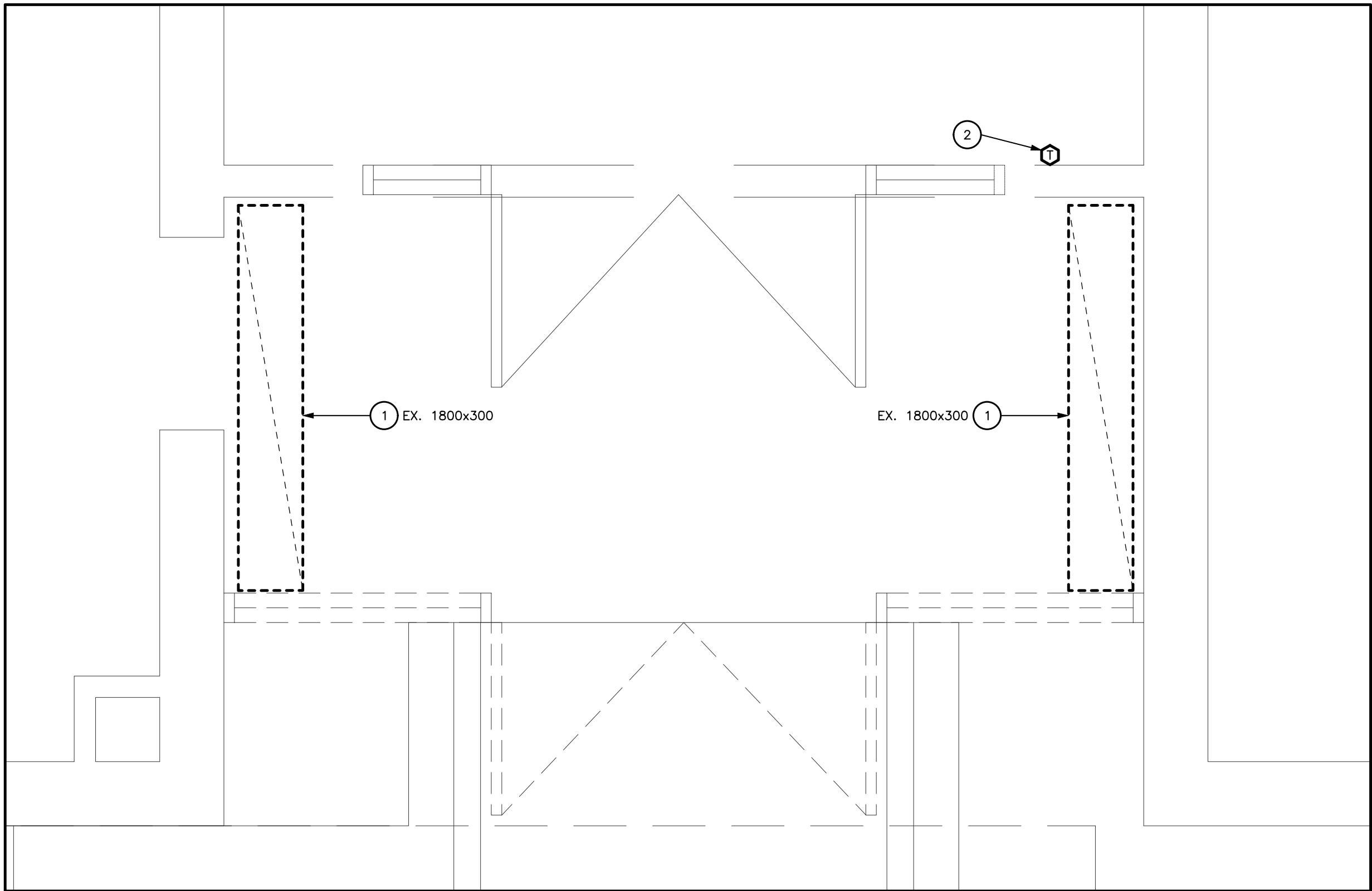
Drawn: JL  
Date: FEBRUARY, 2025

Checked: EV  
Date: FEBRUARY, 2025

Scale: AS NOTED  
Project Number: ALL-25001986-A0

This Set Contains  
**M2.1**  
Drawings

Drawing Number:  
**M2.1**  
Revision



PARTIAL FLOOR PLAN – DOOR #1 – HVAC – DEMOLITION PLAN

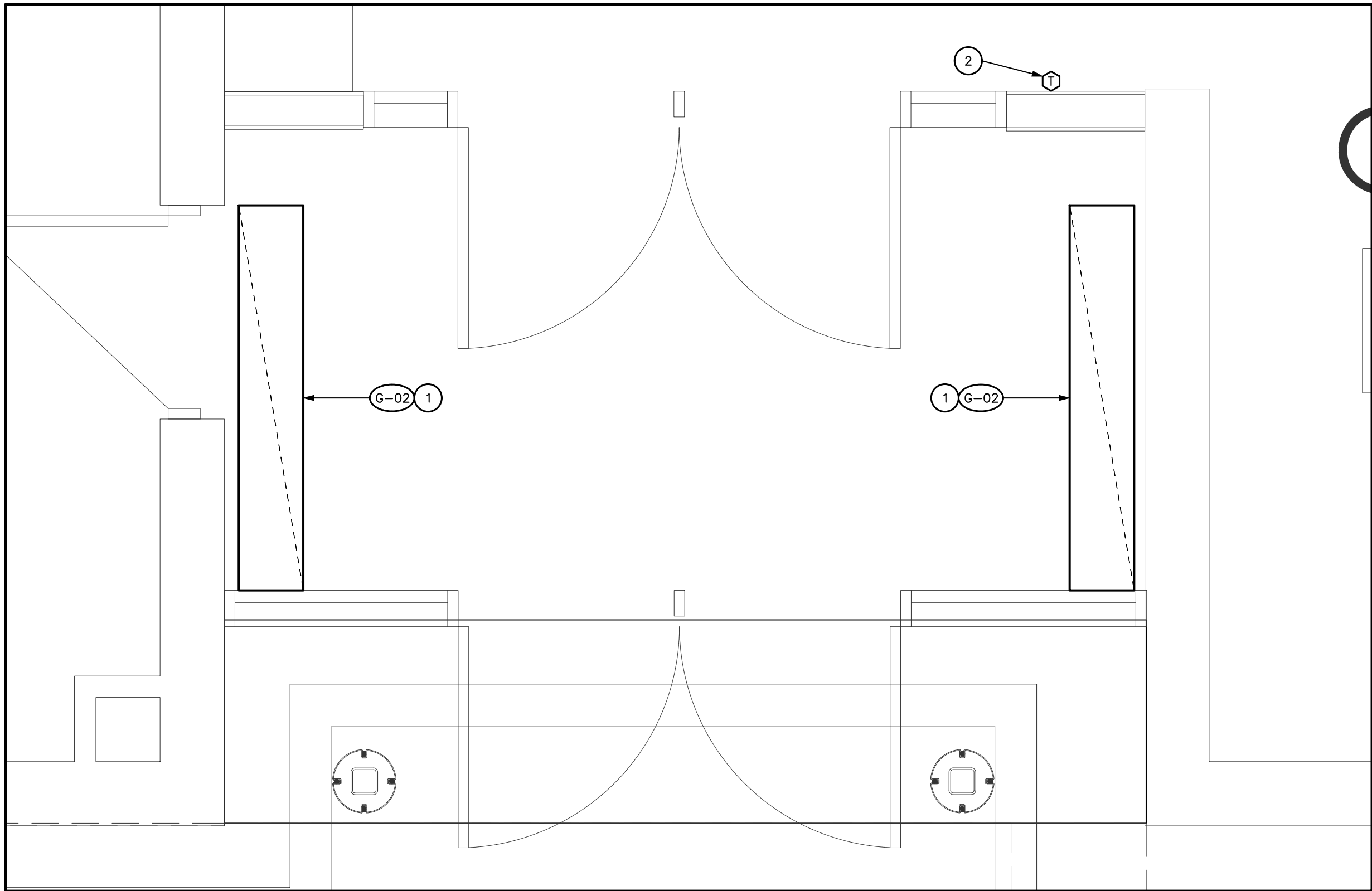


DRAWING NOTES

- 1 EXISTING AIR GRILLE TO BE DEMOLISHED AND REMOVED FROM SITE. DEMOUSH ALL ASSOCIATED ACCESSORIES.
- 2 EXISTING THERMOSTAT ON WALL CALLED FOR DEMOLITION IS TO BE REMOVED AND RELOCATED. CONTRACTOR TO EXTEND WIRING AS NECESSARY.

GENERAL NOTES

- A) THE EXISTING SERVICES SHOWN ON THIS FRAWING HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION DRAWINGS. THIS INFORMATION MUST NOT BE ASSUMED TO BE COMPLETE OR UP-TO-DATE. THE MECHANICAL CONTRACTOR SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES AND STRUCTURE TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES, BEFORE THE COMMENCEMENT OF ANY WORKS
- B) FOR DRAWINGS LEGENDS SEE DRAWING M0.0.
- C) HAZARDOUS ASBESTOS CONTAINING MATERIALS ARE KNOWN TO BE PRESENT WITHIN THE EXISTING BUILDING. REFER TO DIVISION 01 REQUIREMENTS FOR WORKING WITH ASBESTOS CONTAINING MATERIALS. THE CONTRACTOR SHALL COMPLY WITH INFECTION CONTROL AND LOCAL HEALTH AUTHORITY REGULATIONS. AN ASBESTOS ABATEMENT REPORT IS AVAILABLE FOR REVIEW. CERTIFIED COMPANIES MUST HANDLE AND DISPOSE OF ASBESTOS CONTAINING MATERIALS.



PARTIAL FLOOR PLAN – DOOR #1 – HVAC – NEW PLAN

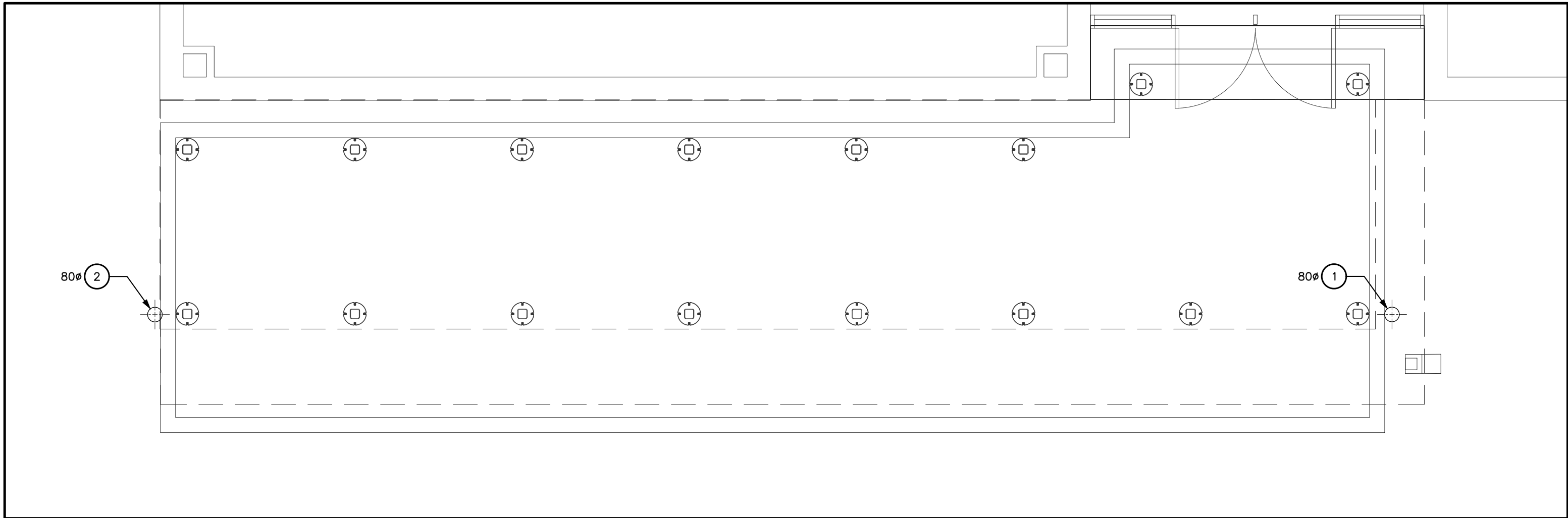


DRAWING NOTES

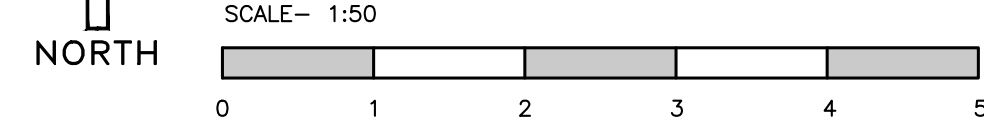
- 1 INSTALL AIR GRILLE IN NEW T-BAR CEILING. REFER TO ARCHITECTURAL PLANS FOR LOCATION.
- 2 EXISTING THERMOSTAT TO BE RELOCATED ON NEW WALL. CONTRACTOR TO EXTEND WIRING AS NECESSARY.

GENERAL NOTES

- A) FOR EXACT LOCATION OF GRILLES AND DIFFUSERS REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.
- B) DUCT RUNOUTS TO MATCH GRILLE/DIFFUSER SIZE UNLESS OTHERWISE NOTED.
- C) DUCTWORK LOCATIONS TO BE FULLY CO-ORDINATED WITH GENERAL, PLUMBING, SPRINKLER AND ELECTRICAL CONTRACTORS PRIOR TO FABRICATION OR INSTALLATION.
- D) FOR DRAWING LEGENDS SEE DRAWING M0.0.
- E) READ IN CONJUNCTION WITH SCHEMATICS AND DETAILS.
- F) HAZARDOUS ASBESTOS CONTAINING MATERIALS ARE KNOWN TO BE PRESENT WITHIN THE EXISTING BUILDING. REFER TO DIVISION 01 REQUIREMENTS FOR WORKING WITH ASBESTOS CONTAINING MATERIALS. THE CONTRACTOR SHALL COMPLY WITH INFECTION CONTROL AND LOCAL HEALTH AUTHORITY REGULATIONS. AN ASBESTOS ABATEMENT REPORT IS AVAILABLE. FOR REVIEW. CERTIFIED COMPANIES MUST HANDLE AND DISPOSE OF ASBESTOS CONTAINING MATERIALS.



PARTIAL FLOOR PLAN – CANOPY – NEW PLUMBING PLAN



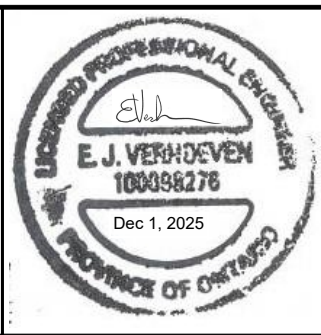
DRAWING NOTES

- 1 PROVIDE RWL DOWNSPOUT TO SERVE NEW EXTERIOR CANOPY. DROP RWL DOWN TO GRADE AND TERMINATE AT NEARBY GRASSY AREA. REFER TO ARCHITECTURAL PLANS AND COORDINATE WITH GENERAL CONTRACTOR.
- 2 PROVIDE RWL DOWNSPOUT TO SERVE NEW EXTERIOR CANOPY. DROP RWL DOWN AND TERMINATE ABOVE GRADE. REFER TO ARCHITECTURAL PLANS AND COORDINATE WITH GENERAL CONTRACTOR.

GENERAL NOTES

- A) CO-ORDINATE ALL FLOOR DRAINS WITH ARCHITECTURAL DRAWINGS.
- B) CO-ORDINATE PIPE RUNS WITH SHEETMETAL, HEATING, SPRINKLER AND ELECTRICAL DIVISIONS.
- C) SUPPLY AND INSTALL PIPE SLEEVES FOR PIPES PASSING THROUGH FOUNDATION WALLS OR FLOORS.
- D) FOR DRAWINGS LEGENDS SEE DRAWING M0.0.
- E) HAZARDOUS ASBESTOS CONTAINING MATERIALS ARE KNOWN TO BE PRESENT WITHIN THE EXISTING BUILDING. REFER TO DIVISION 01 REQUIREMENTS FOR WORKING WITH ASBESTOS CONTAINING MATERIALS. THE CONTRACTOR SHALL COMPLY WITH INFECTION CONTROL AND LOCAL HEALTH AUTHORITY REGULATIONS. AN ASBESTOS ABATEMENT REPORT IS AVAILABLE FOR REVIEW. CERTIFIED COMPANIES MUST HANDLE AND DISPOSE OF ASBESTOS CONTAINING MATERIALS.

No.	REVISIONS	
	Description	Date
1	ISSUED FOR REVIEW	2025/02/28
2	ISSUED FOR TENDER READY SET	2025/03/31
3	ISSUED FOR PERMIT AND TENDER	2025/04/17
4	ISSUED FOR PERMIT AND TENDER	2025/12/01



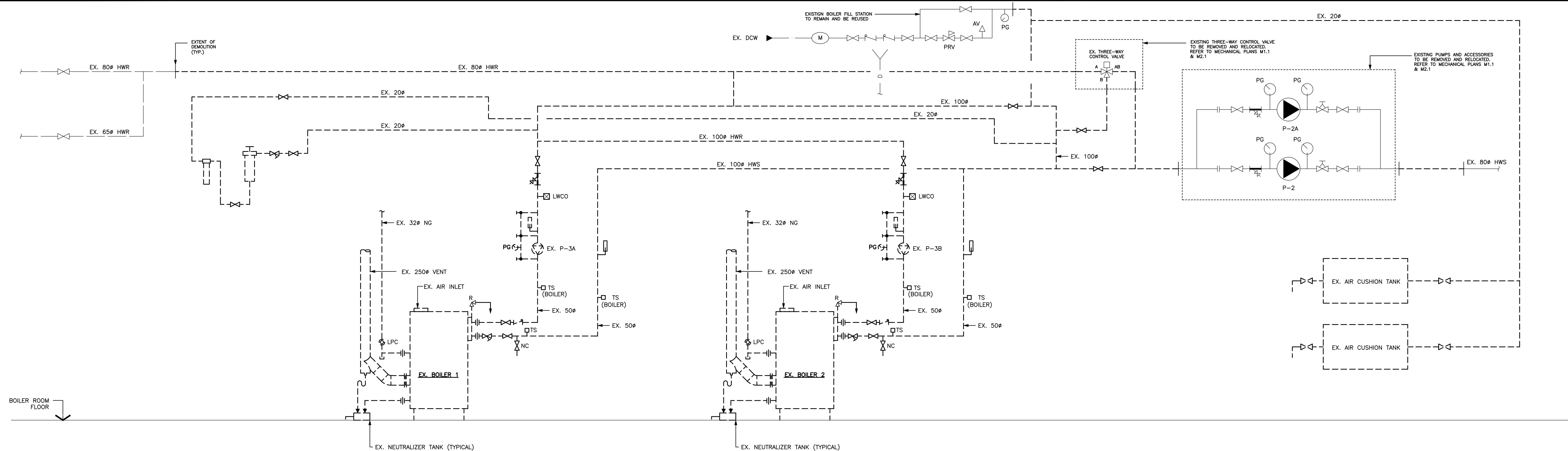
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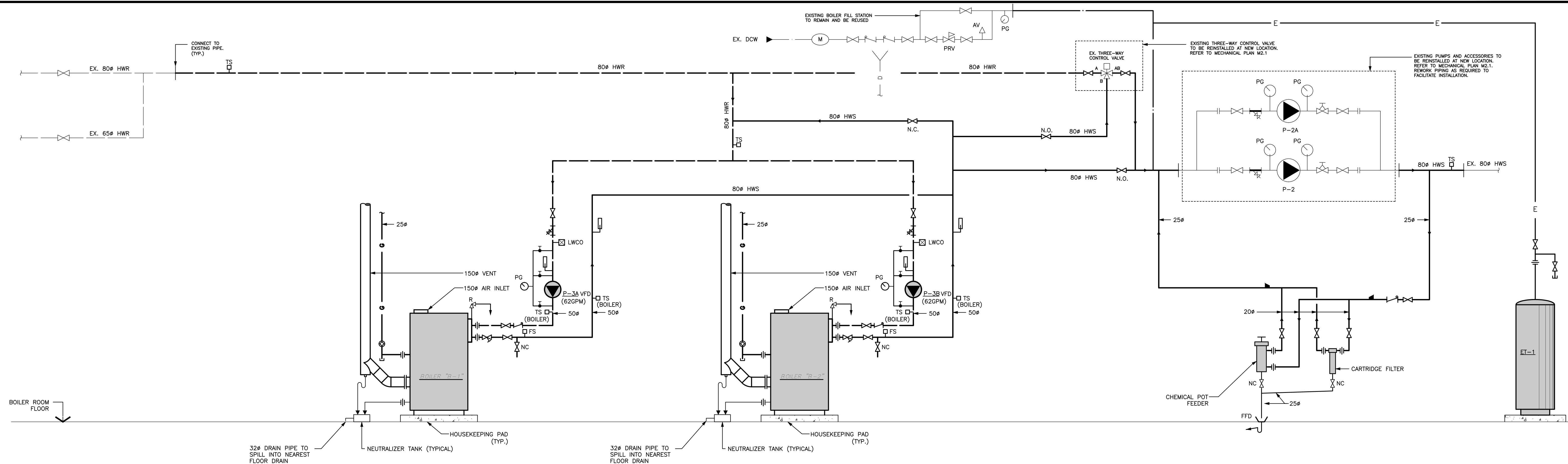


Project Title: <b>KILBRIDE PUBLIC SCHOOL</b> 6611 PANTON STREET KILBRIDE, ONTARIO	Drawn: JL	Scale: AS NOTED
	Date: FEBRUARY, 2025	Project Number: ALL-25001986-A0
Drawing Title: MECHANICAL CANOPY PLANS AND DETAILS	Checked: EV	This Set Contains <b>M4.0</b>
	Date: FEBRUARY, 2025	Drawings Revision



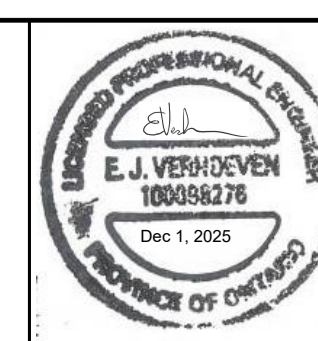


**BOILER ROOM PIPING SCHEMATIC (EXISTING)**  
N.T.S.



**BOILER ROOM PIPING SCHEMATIC (NEW LAYOUT)**  
N.T.S.

No.	Description/Date
1	ISSUED FOR REVIEW 2025/02/28
2	ISSUED FOR TENDER READY SET 2025/03/31
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4	ISSUED FOR PERMIT AND TENDER 2025/12/01



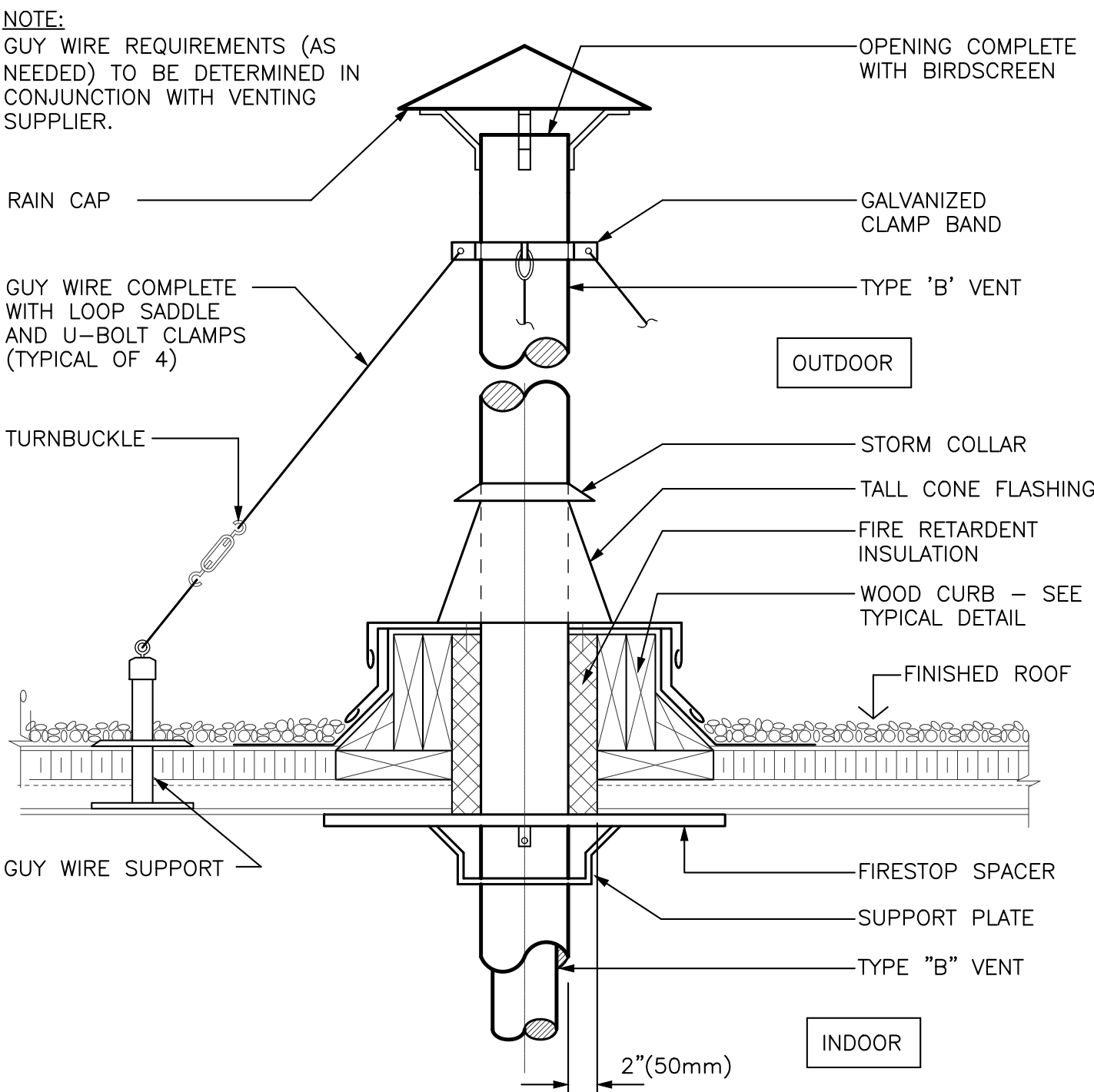
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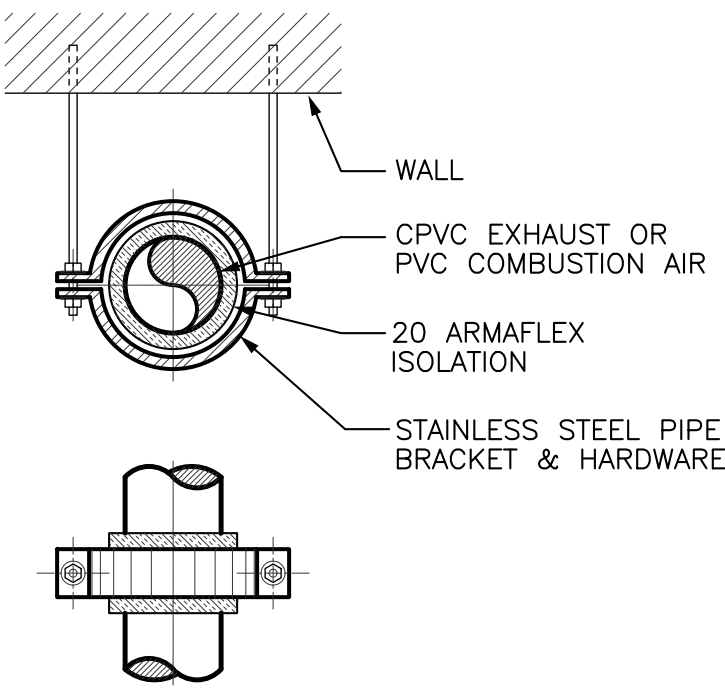
Project Title:  
**KILBRIDE PUBLIC SCHOOL**  
6611 PANTON STREET  
KILBRIDE, ONTARIO  
Drawing Title:  
**MECHANICAL SCHEMATICS**

Drawn: JL  
Date: FEBRUARY, 2025  
Checked: EV  
Date: FEBRUARY, 2025

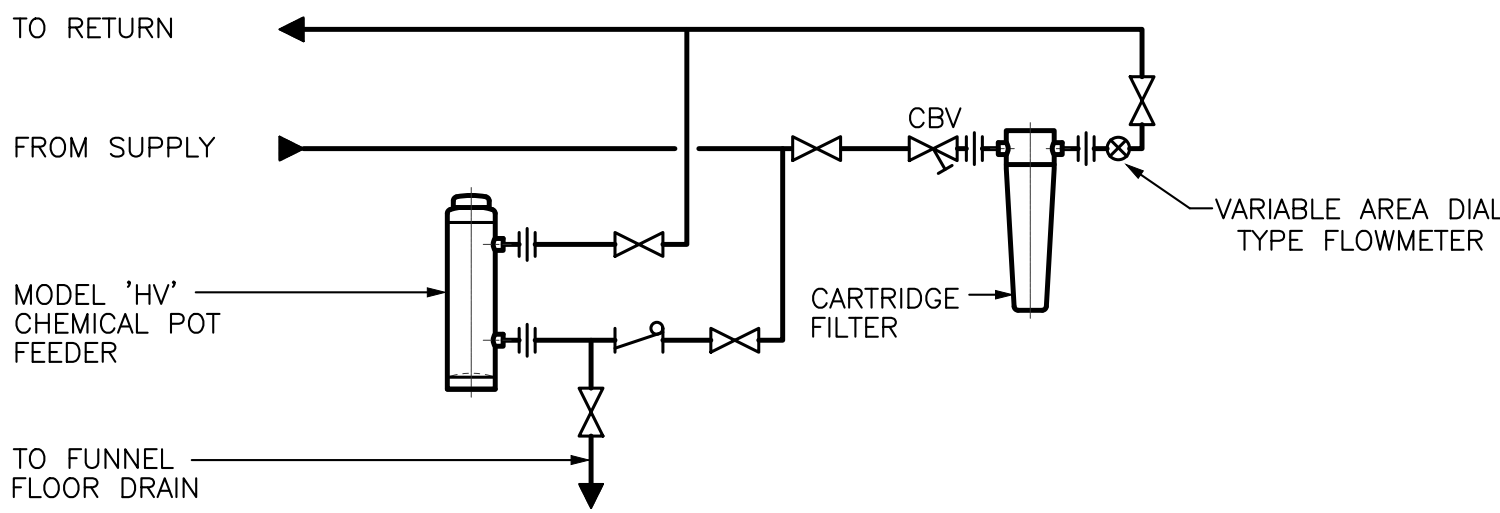
Scale: N.T.S.  
Project Number: ALL-25001986-A0  
Drawing Number: **M4.0**  
Revision



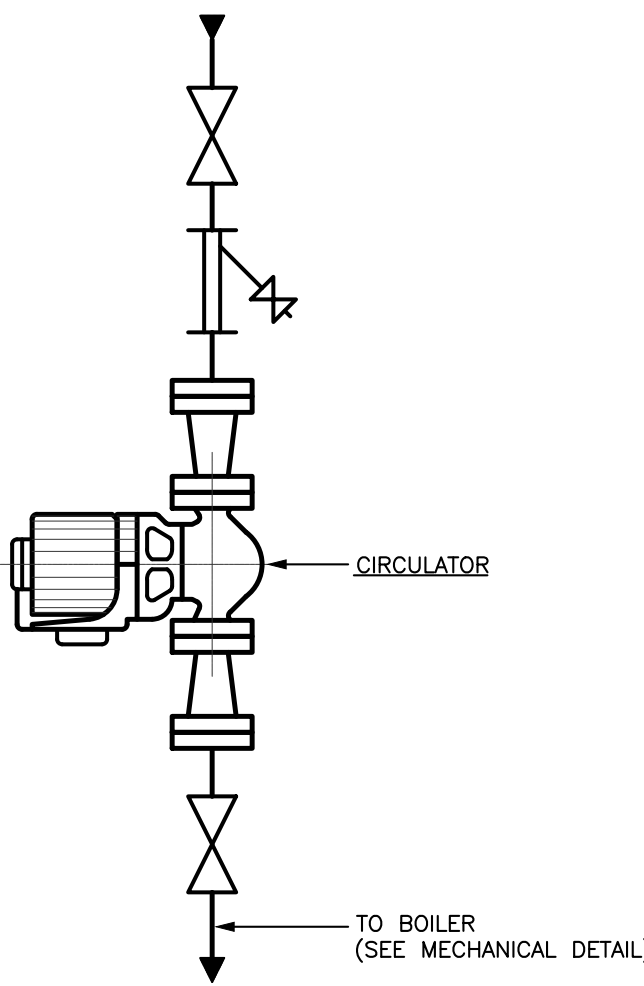
DETAIL OF FLUE STACK SUPPORTS  
N.T.S.



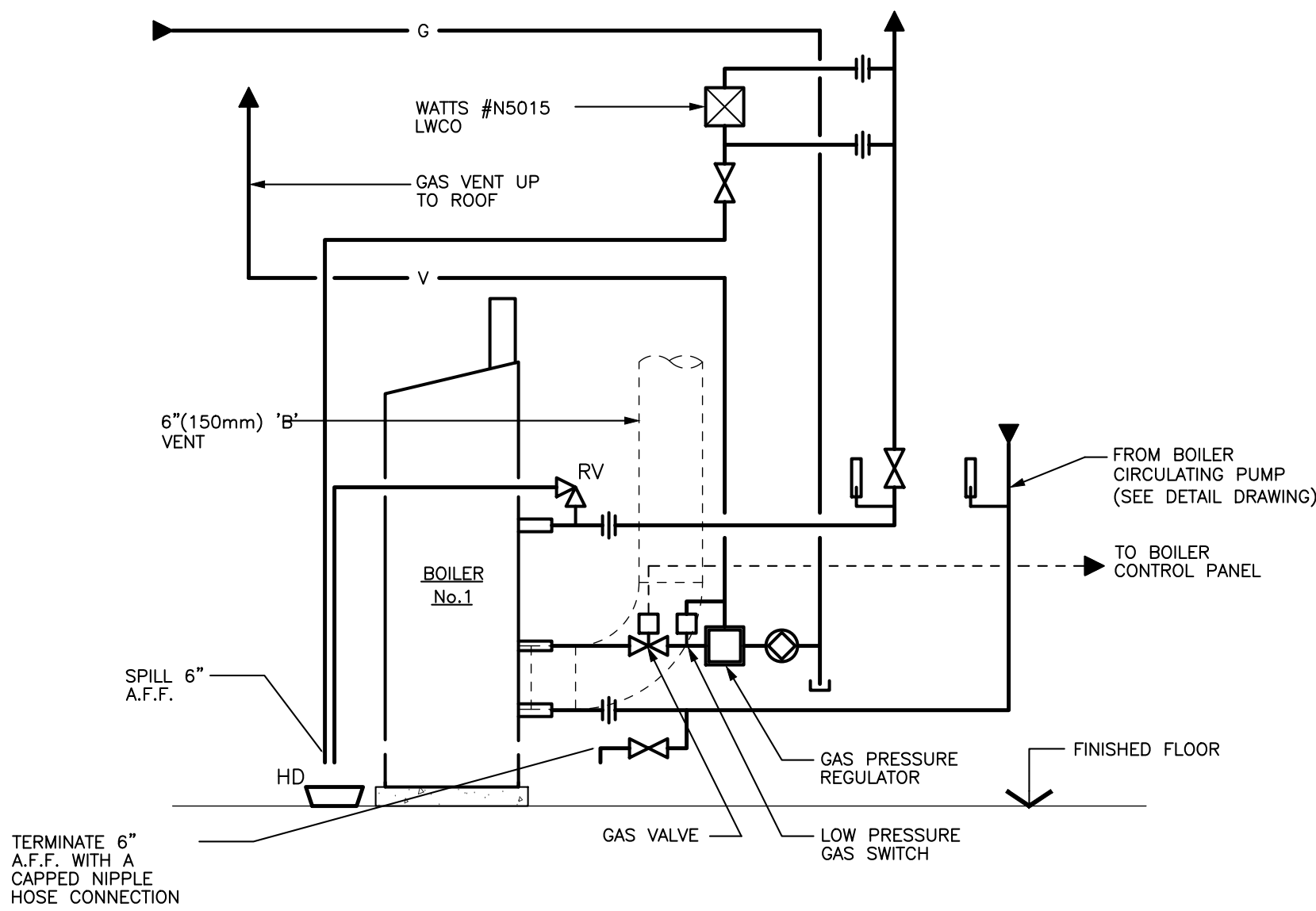
DETAIL – PIPE SUPPORT  
FOR BOILER VENTS  
N.T.S.



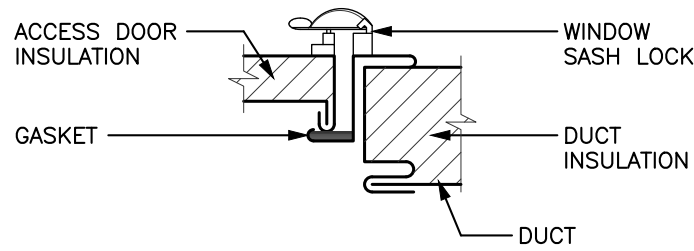
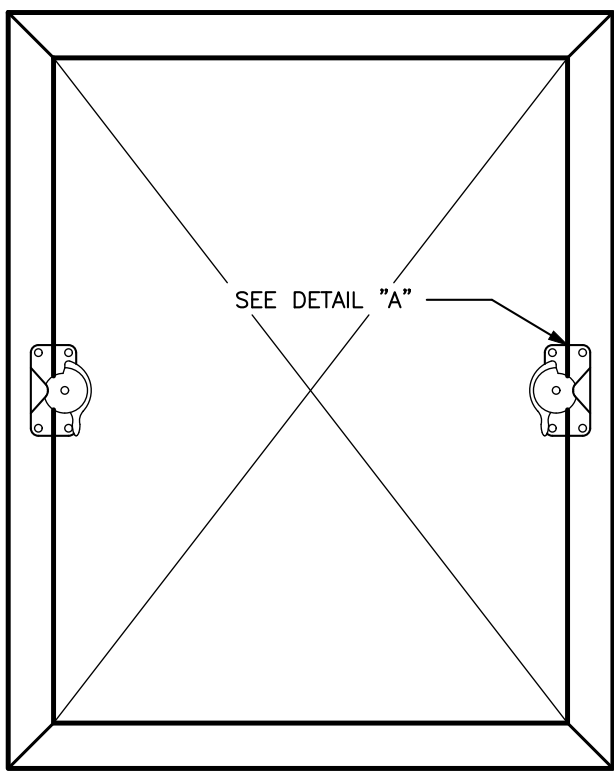
TYPE 'HV' CHEMICAL FEEDER SCHEMATIC  
PIPING AND BY-PASS FILTER  
N.T.S.



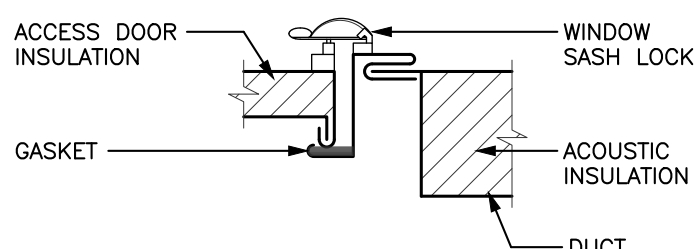
BOILER IN-LINE CIRCULATING PUMP  
N.T.S.



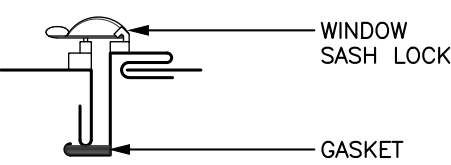
HIGH EFFICIENCY BOILER  
SCHEMATIC PIPING  
N.T.S.



DETAIL "A" THERMAL INSULATION



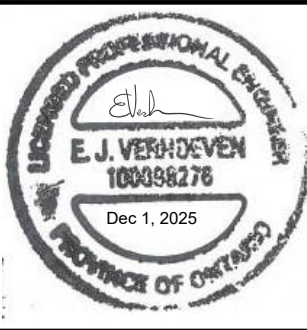
DETAIL "A" ACOUSTIC INSULATION



DETAIL "A" NO INSULATION

ACCESS PANEL DETAIL  
N.T.S.

REVISIONS	No.	Description/Date
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Project Title:  
**KILBRIDE PUBLIC SCHOOL**  
6611 PANTON STREET  
KILBRIDE, ONTARIO  
Drawing Title:  
**MECHANICAL DETAILS**

Drawn:  
JL  
Date:  
FEBRUARY, 2025  
Checked:  
EV  
Date:  
FEBRUARY, 2025

Scale:  
AS NOTED  
Project Number:  
ALL-25001986-A0  
Drawing Number:  
**M5.0**  
Revision



JOB NAME: HCSB RENOVATIONS AT KILBRIDE PUBLIC SCHOOL												JOB No: ALL-25001986-A0									
MECHANICAL SCHEDULE - BOILERS																					
DWG. DESIGNATION	SYSTEM AND ROOM	MODEL	Type	WEGHT (LBS)	OUTPUT (MBH)	INPUT (MBH)	EFFICIENCY (%)	WATER CONDITIONS				MECHANICAL REMARKS	WIRING FOR MECHANICAL EQUIPMENT SCHEDULE							ELECTRICAL WIRING INSTRUCTIONS	
								FLOW (GPM)	PD (FT)	BWT (°F)	LWT (°F)		MOTOR W or HP	MCA	MCOP	VAC/ø	ROOM STARTER TYPE	REMOTE CONTROL DEVICE	DISC. TYPE		
B-1	BOILER ROOM	PATTERSON KELLY SC-650	CONDENSING	780	611	650	94%	61	15.5	160	180	STAINLESS STEEL, CONDENSING , 5.2:1 TURNDOWN, NURO INTEGRAL BOILER CONTROLS, C/W RELIEF VALVE, CONDENSATE NEUTRALIZATION KIT, BAS CONNECTION	-	5	15	120V/1ø	BIC	BAS	TYPE 1	DM / 26 TO PROVIDE RED PAINTED DISCONNECT AND WIRE COMPLETELY. DM / 26 TO PROVIDE EPO SWITCH WITH COVER TO REMOTELY SHUT DOWN BOILER. ALL CONTROL WIRING BY MECHANICAL DIVISION	
B-2	BOILER ROOM	PATTERSON KELLY SC-650	CONDENSING	780	611	650	94%	61	15.5	160	180	STAINLESS STEEL, CONDENSING , 5.2:1 TURNDOWN, NURO INTEGRAL BOILER CONTROLS, C/W RELIEF VALVE, CONDENSATE NEUTRALIZATION KIT, BAS CONNECTION	-	5	15	120V/1ø	BIC	BAS	TYPE 1	DM / 26 TO PROVIDE RED PAINTED DISCONNECT AND WIRE COMPLETELY. DM / 26 TO PROVIDE EPO SWITCH WITH COVER TO REMOTELY SHUT DOWN BOILER. ALL CONTROL WIRING BY MECHANICAL DIVISION	

JOB NAME: HDSB RENOVATIONS AT KILBRIDE PUBLIC SCHOOL										JOB No: ALL-25001986-A0									
MECHANICAL SCHEDULE - PUMPS																			
DWG. DESIGNATION	SYSTEM AND ROOM	MODEL	SPEC TYPE	FLOW (GPM)	HEAD (FT)	RPM	VFD	MECHANICAL REMARKS	WIRING FOR MECHANICAL EQUIPMENT SCHEDULE							ELECTRICAL WIRING INSTRUCTIONS			
									MOTOR W or HP	MCA FLA	MCOP	VAC/g	ROOM STARTER TYPE	REMOTE CONTROL DEVICE	DISC. TYPE				
P-3A	BOILER CIRCULATOR	TACO 1935	INLINE	62	15	1760	YES	CLOSE COUPLED, INLINE PUMP, STAINLESS STEEL IMPELLER, CAST IRON BODY	0.5 HP			115V/1g							
P-3B	BOILER CIRCULATOR	TACO 1935	INLINE	62	15	1760	YES	CLOSE COUPLED, INLINE PUMP, STAINLESS STEEL IMPELLER, CAST IRON BODY	0.5 HP			115V/1g							
EX P-2A	HOT WATER HEATING	ARMSTRONG H-67-1 BF/BI	INLINE SPLIT COUPLED	85	25	1800	NO	EXISTING PUMP	1 HP			208/1g							
EX P-2B	HOT WATER HEATING	ARMSTRONG H-67-1 BF/BI	INLINE SPLIT COUPLED	85	25	1800	NO	EXISTING PUMP	1 HP			208/1g							

JOB NAME						HDSB RENOVATIONS AT KILBRIDE PUBLIC SCHOOL				JOB No.		ALL-25001986-A0	
MECHANICAL SCHEDULE - MSC, MECHANICAL													
DWG. DESIGNATION	SYSTEM and ROOM	MODEL	CAPACITY	UNIT	MECHANICAL REMARKS	WIRING FOR MECHANICAL EQUIPMENT SCHEDULE							ELECTRICAL WIRING INSTRUCTIONS
						MOTOR W or HP	MCA FLA	MCOP	VAC/g	ROOM STARTER TYPE	REMOTE CONTROL DEVICE	DISC. TYPE	
BCP	HEATING SYSTEM BOILER ROOM	PK PROTONODE	-	-	BOILER PROTOCOL CONVERTER CONTROL PANEL	-	-	15	115V/1g	-	BAS		
ET-1	HEATING SYSTEM BOILER ROOM	TACO CA450-125	450	LITRES	CARBON STEEL, BLADDER TYPE ASME EXPANSION TANK, 125 PSI	-	-	-	-	-	-	-	-

JOB NAME: HDSB RENOVATIONS AT KILBRIDE PUBLIC SCHOOL					JOB No.					ALL-25001986-A0				
MECHANICAL SCHEDULE - GRILLES AND REGISTERS														
DWG. DESIGNATION	MODEL			SIZE		CFM		SP (IN W.G.)		MECHANICAL REMARKS				
	CORE	BORDER	FRAME	Length	Width	MIN	MAX	MIN	MAX					
G-01	A	F	630DL	200	200	0	275	0	0.177	EH PRICE, ALUMINUM CONSTRUCTION, EXHAUST GRILLE				
G-02	A	F	635/L	1800	350	0	0	0	0	EH PRICE, ALUMINUM CONSTRUCTION, EXHAUST GRILLE				
OBD = OPPOSED BLADE DAMPER ALL GRILLES AND DIFFUSERS TO BE COLOUR B15 (ALUMINUM POWDER COAT) ALL GRILLES TO HAVE 'A' FASTENING														

JOB NAME: HDSB RENOVATIONS AT KILBRIDE PUBLIC SCHOOL						JOB No.		ALL-25001986-A0				
MECHANICAL SCHEDULE - ELECTRICAL DUCT HEATER												
DWG. DESIGNATION	MODEL	SIZE (L x W) (IN)	CAPACITY (W)	WEIGHT (LBS)	MECHANICAL REMARKS	WIRING FOR MECHANICAL EQUIPMENT SCHEDULE						ELECTRICAL WIRING INSTRUCTIONS
						MOTOR W or HP	MCA FLA	MCOP	VAC/g	ROOM STARTER TYPE	REMOTE CONTROL DEVICE	
EH-1	CULLET OFM0750	37 x 2.5	750	7.3	ELECTRIC BASEBOARD HEATER, WHITE, STAINLESS STEEL HEATING ELEMENT, ALUMINUM FINS, INTEGRAL THERMOSTAT.	750 W			208-240V /1g	BIC	BIC	

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Seal

JP



EV

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Project Title: KILBRIDE PUBLIC SCHOOL 6611 PANTON STREET KILBRIDE, ONTARIO	Drawn: JL Date: FEBRUARY, 2025	Scale: N.T.S. Project Number: ALL-25001986-A0
	Checked: EV / JP Date: FEBRUARY, 2025	This Set Contains Drawings Drawing Number: ME1.0 Revision