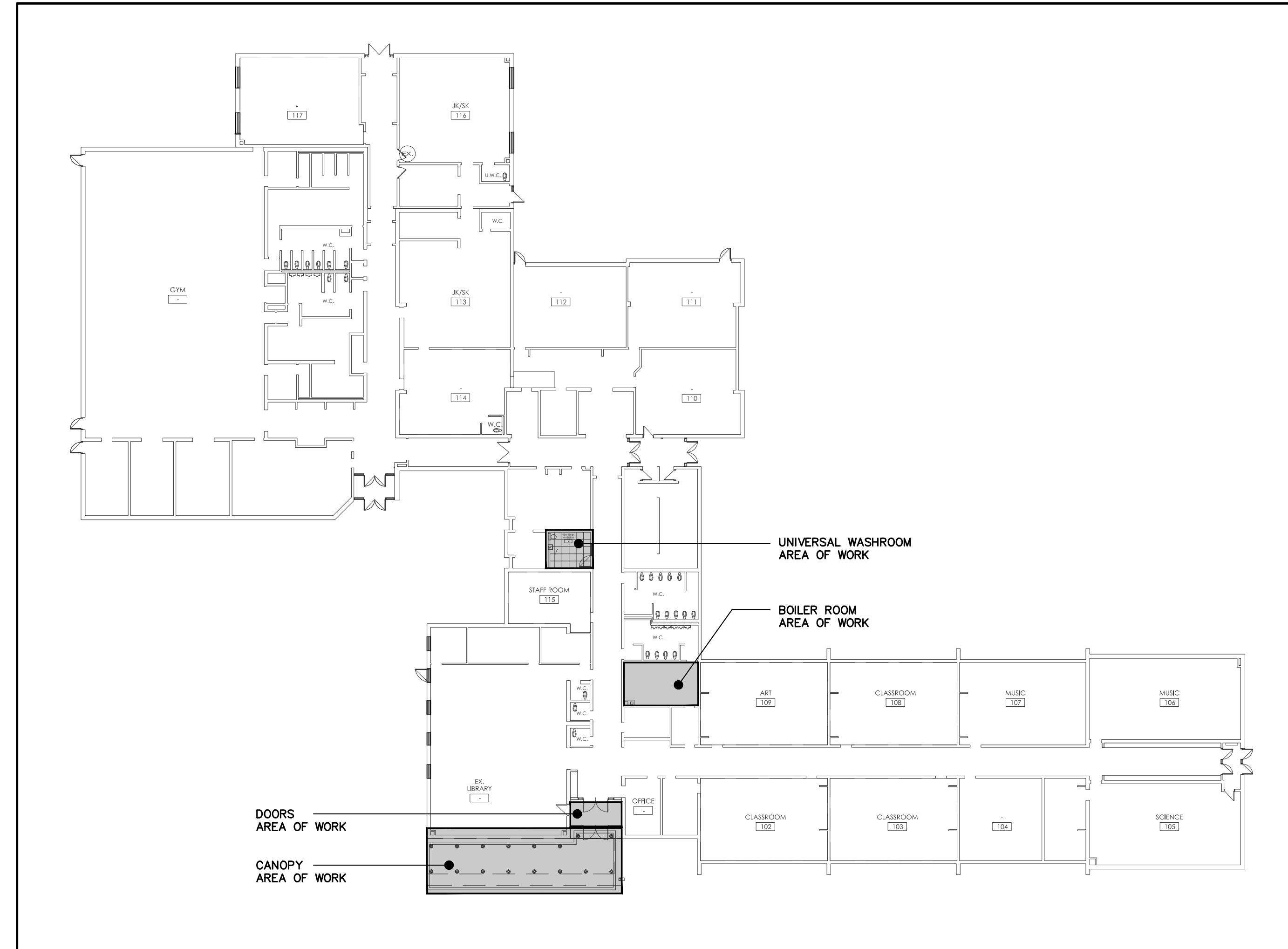


PIPING LEGEND	
—	HOT WATER SUPPLY (HWS)
—	HOT WATER RETURN (HWR)
— D —	EQUIPMENT DRAIN LINE
— G —	GAS
— RV —	RELIEF VENT
— X —	PIPE ANCHOR
— = —	PIPE GUIDE OR SLEEVE
— T —	BOTTOM TAKE-OFF
— U —	TOP TAKE-OFF
— O —	ELBOW UP
— C —	ELBOW DOWN
— □ —	VALVE - SEE SPECIFICATIONS
— H —	UNION CONNECTION
— I —	FLANGED CONNECTION
— E —	PLUG CAP
— □ —	FLEXIBLE CONNECTION
— LWCO —	LOW WATER CUT OFF
— THERMOMETER —	THERMOMETER
— PG —	PRESSURE GAUGE
— P-1 —	PUMP AND DESIGNATION
— AV —	AIR VENT
— AAV —	AUTOMATIC AIR VENT
— APP —	PETES PLUG
— DFS —	FLOW SWITCH
— TW —	TERMO WELL
— G —	THERMOSTAT w/GUARD
— FMD —	FLOW METERING DEVICE (FMD)
— RP —	RADIANT PANELS
— U/C —	UNDERCUT DOOR
— AFF —	ABOVE FINISHED FLOOR
— CBV —	CIRCUIT BALANCING VALVE
— GPM —	GALLONS PER MINUTE
— REQ'D —	REQUIRED
— TCV —	THERMOSTATIC CONTROL VALVE
— TYP. —	TYPICAL
— TFD —	TRENCH FLOOR DRAIN
— BFP —	BACK FLOW PREVENTOR
— CFH —	CUBIC FEET HOUR

VENTILATION LEGEND	
—	SOUND INSULATION
—	FLEXIBLE CONNECTION
— D —	DUCT OFFSET
—	DUCT OFFSET (SINGLE LINE)
—	TURNING VANES
— FSF —	FIRE STOP FLAP
— BD —	BALANCING DAMPER
— FD —	FIRE DAMPER
— CSD —	COMBINATION SMOKE AND FIRE DAMPER
— SD —	SPLITTER DAMPER
— BDD —	BACKDRAFT DAMPER
— OBD —	OPPOSED BLADE DAMPER
— MD —	MOTORIZED DAMPER
—	SUPPLY DUCT SECTION
—	RETURN DUCT SECTION
—	SUPPLY DIFFUSER
—	LINEAR DIFFUSER
—	EXHAUST GRILLE
— D- XXX —	DIFFUSER DESIGNATION AND CFM
— G- XXX —	GRILLE DESIGNATION AND CFM
—	FLEXIBLE ROUND DUCT
—	CAPPED END DUCT
—	DUCT REDUCER/ENLARGER
—	TRANSITION □ TO ○ ROUND
— T —	THERMOSTAT
— TG —	THERMOSTAT w/GUARD
— TGS —	THERMOSTAT c/w SUB BASE
— AD —	ACCESS DOOR
— AFF —	ABOVE FINISHED FLOOR
— CFM —	CUBIC FEET PER MINUTE
— EF —	EXHAUST FAN
— CH —	CABINET HEATER
— MUA —	MAKE-UP AIR UNIT
— CBV —	CIRCUIT BALANCING VALVE

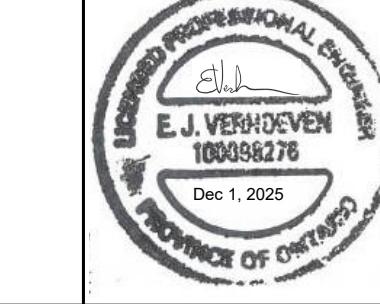
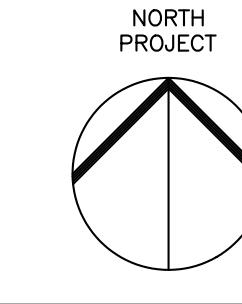
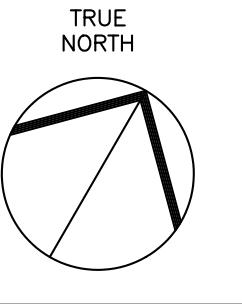
PLUMBING LEGEND	
— X —	STORM ABOVE GRADE
— — —	SANITARY ABOVE GRADE
— X —	STORM BURIED
— — —	SANITARY BURIED
— - -	DOMESTIC COLD WATER
— ... —	DOMESTIC HOT WATER
— ... —	DOMESTIC RECIRCULATED WATER
— V —	VENT LINE
— RV —	RELIEF VENT
— D —	EQUIPMENT DRAIN LINE
— CO —	CLEANOUT
— OFD —	FLOOR DRAIN
— O FFD —	FUNNEL FLOOR DRAIN
— O HD —	HUB DRAIN
— O RD —	ROOF DRAIN
— HS —	HOSE STATION
— FHC —	FIRE HOSE CABINET
● FE —	FIRE EXTINGUISHER
— FEC —	FIRE EXTINGUISHER c/w CABINET
— RWL —	RAIN WATER LEADER
— WC —	WATER CLOSET
— U —	URINAL
— SH —	SHOWER
— ESH —	EMERGENCY SHOWER
— L —	LAVATORY
— LH —	LAVATORY (HANDICAPPED)
— SS —	STAINLESS STEEL SINK
— JS —	JANITOR SINK
— DF —	DRINKING FOUNTAIN
— EEW —	EMERGENCY EYE WASH
— HWT —	HOT WATER TANK
— F — TB —	FIRE DEPT. SIAMESE CONNECTION
— INV. ELEV. —	INVERT ELEVATION
— OBV. ELEV. —	OBVERT ELEVATION
—	HAND HOLE TRAP
—	RUNNING TRAP
— ABFP —	APPROVED BACKFLOW PREVENTOR
— HB —	HOSE BIBB
— P-1 —	PUMP AND DESIGNATION

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



KEY PLAN
N.T.S.

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

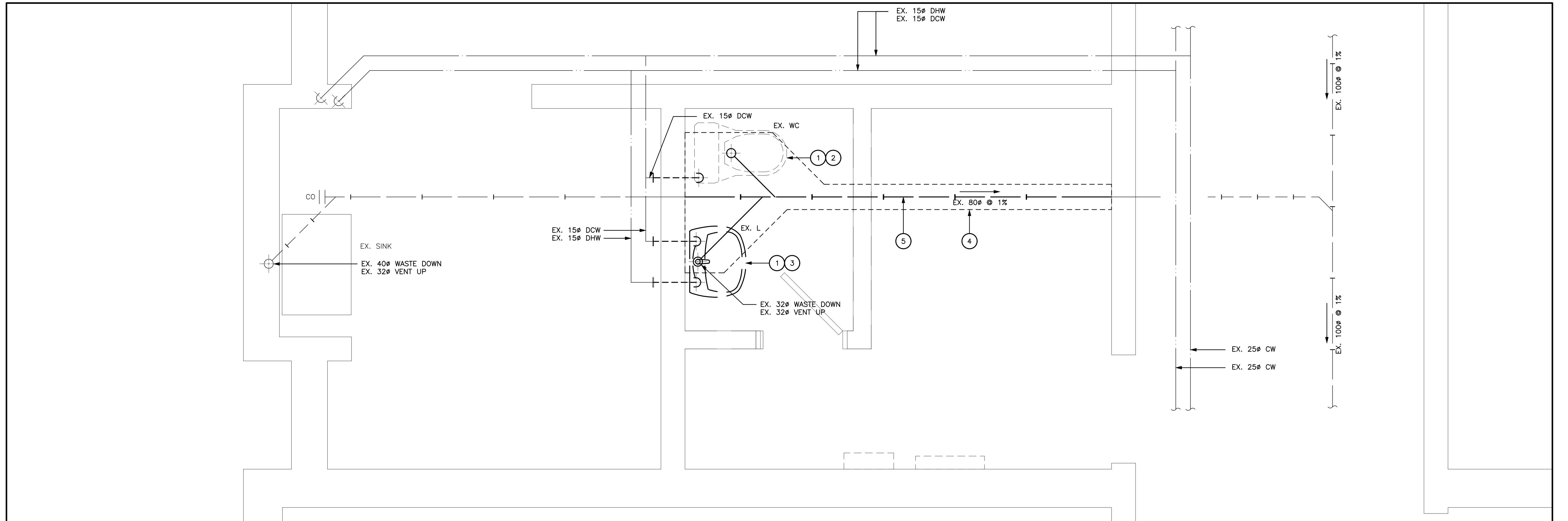


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Project Title: KILBRIDE PUBLIC SCHOOL
6611 PANTON STREET
KILBRIDE, ONTARIO
Drawing Title: MECHANICAL LEGEND, DRAWING LIST AND KEY PLAN
Drawn: JL Date: FEBRUARY, 2025
Scale: AS NOTED
Project Number: ALL-25001986-A0
This Set Contains Drawing Number: M0.0
Drawings Revision

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

Drawings Revision



PARTIAL FLOOR PLAN – UNIVERSAL WASHROOM – PLUMBING – DEMOLITION PLAN

SCALE – 1:20
 0 .5 1 1.5 2

DRAWING NOTES

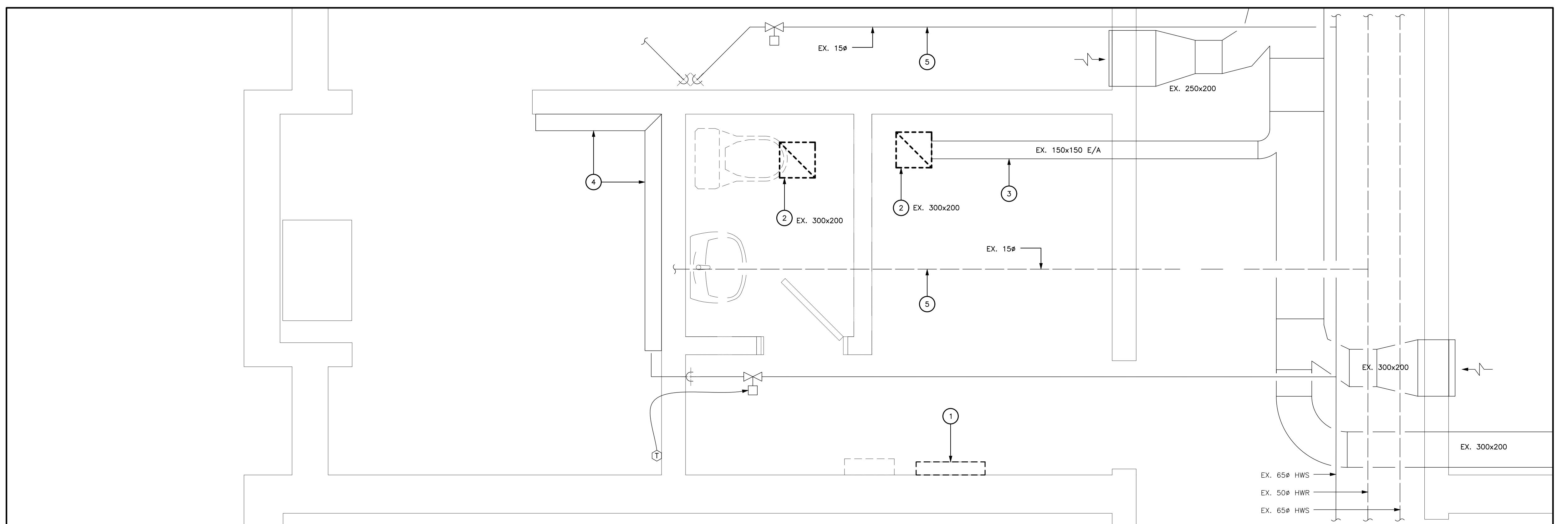
- ① EXISTING PLUMBING FIXTURE COMPLETE WITH ALL ACCESSORIES TO BE DEMOLISHED AND REMOVED FROM SITE.
- ② PREPARE EXISTING DOMESTIC WATER, SANITARY AND VENT PIPING FOR REUSE.
- ③ CUTBACK EXISTING DOMESTIC WATER, SANITARY AND VENT PIPING TO EXTENT INDICATED AND PREPARE FOR REUSE.
- ④ CONTRACTOR TO SAW CUT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

SCALE – 1:20
 0 .5 1 1.5 2

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

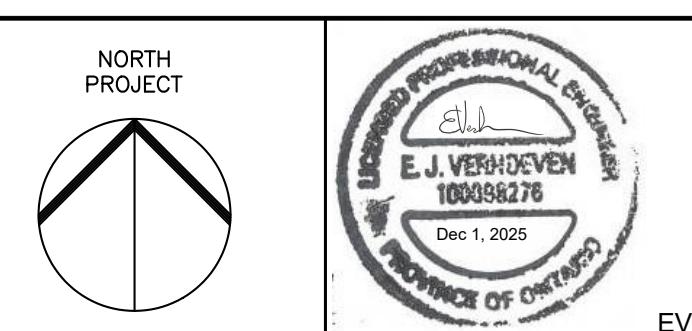
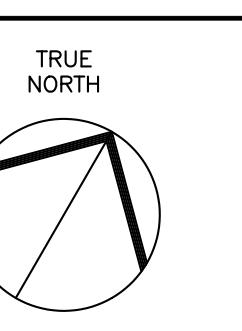
GENERAL NOTES

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B) FOR DRAWINGS LEGENDS SEE DRAWING M0.0.

C) HAZARDOUS ASBESTOS CONTAINING MATERIALS ARE KNOWN TO 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	
No.	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



Dec 1, 2025

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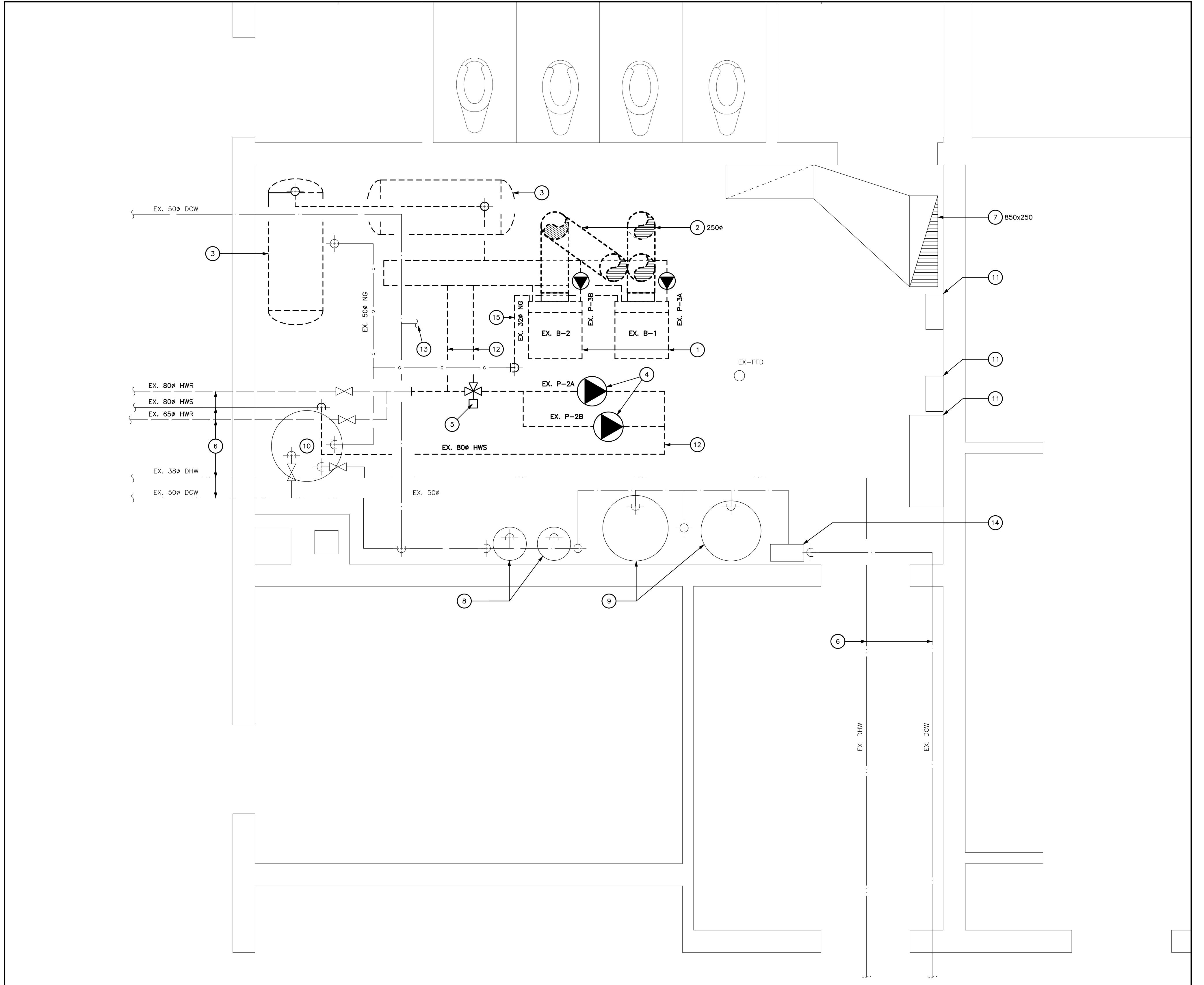
Project Title: KILBRIDE PUBLIC SCHOOL
 6611 PANTON STREET
 KILBRIDE, ONTARIO

Drawing Title: PARTIAL FLOOR PLAN - UNIVERSAL WASHROOM - DEMOLITION PLANS

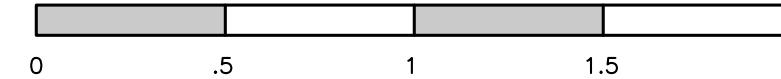
Drawn: JL Scale: AS NOTED
 Date: FEBRUARY, 2025 Project Number: ALL-25001986-A0
 Checked: EV This Set Contains Drawing Number: M1.0
 Date: FEBRUARY, 2025 Drawings Revision:

DRAWING NOTES

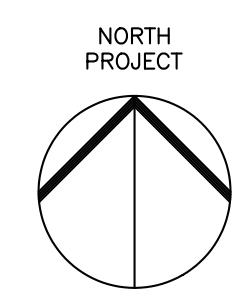
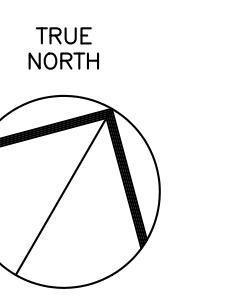
- EXISTING HEATING BOILERS TO BE DEMOLISHED AND REMOVED FROM SITE. INCLUDE REMOVAL OF ASSOCIATED BOILER PUMPS, ALL PIPING AND ACCESSORIES. REFER TO MECHANICAL SCHEMATICS ON SHEET M3.0 FOR COMPLETE EXTENT OF DEMOLITION.
- EXISTING BOILER VENTING TO BE DEMOLISHED AND REMOVED FROM SITE. ROOF OPENING TO BE MAINTAINED AND REUSED.
- EXISTING AIR CUSHION TANKS HUNG AT HIGH LEVEL TO BE DEMOLISHED AND REMOVED FROM SITE. DEMOLISH ALL ASSOCIATED PIPING AND PIPING SPECIALTIES AND ACCESSORIES.
- REMOVE AND RELOCATE EXISTING HEATING SYSTEM PUMPS. ALL PUMP SPECIALTIES ARE TO BE REUSED. REFER TO MECHANICAL SCHEMATICS ON SHEET M3.0 AND M2.1 FOR NEW LOCATION.
- REMOVE AND RELOCATE EXISTING HEATING SYSTEM THREE-WAY CONTROL VALVE. REFER TO MECHANICAL SCHEMATICS ON SHEET M3.0 AND M2.1 FOR NEW LOCATION.
- EXISTING PIPING TO REMAIN. SERVICE AND SIZE AS INDICATED ON PLANS.
- EXISTING COMBUSTION AIR DUCT TO REMAIN AND BE REUSED.
- EXISTING WATER SOFTENING EQUIPMENT TO REMAIN.
- EXISTING DOMESTIC WATER EXPANSION TANKS TO REMAIN.
- EXISTING DOMESTIC HOT WATER TANK TO REMAIN.
- EXISTING BAS CONTROL CABINET TO REMAIN. MODIFY AS REQUIRED TO COMPLETE HEATING SYSTEM SCOPE OF WORK.
- DEMOLISH AND REMOVE FROM SITE EXISTING HEATING SYSTEM PIPING. REFER TO MECHANICAL SCHEMATICS ON SHEET M3.0 FOR EXTENT OF DEMOLITION.
- CONTINUES TO EXISTING BOILER MAKE-UP WATER ASSEMBLY. ASSEMBLY TO REMAIN. REFER TO SCHEMATICS ON M3.0 FOR ADDITIONAL DETAILS.
- EXISTING WATER METER.
- DEMOLISH AND REMOVE FROM SITE EXISTING NATURAL GAS PIPING. REFER TO MECHANICAL SCHEMATICS ON SHEET M3.0 FOR EXTENT OF DEMOLITION.



PARTIAL FLOOR PLAN - BOILER ROOM - MECHANICAL - DEMOLITION PLAN

SCALE: 1:20


REVISIONS	
No.	Description/Date
1	ISSUED FOR REVIEW 2025/02/28
2	ISSUED FOR TENDER READY 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: PARTIAL FLOOR PLAN - BOILER ROOM - MECHANICAL DEMOLITION PLAN

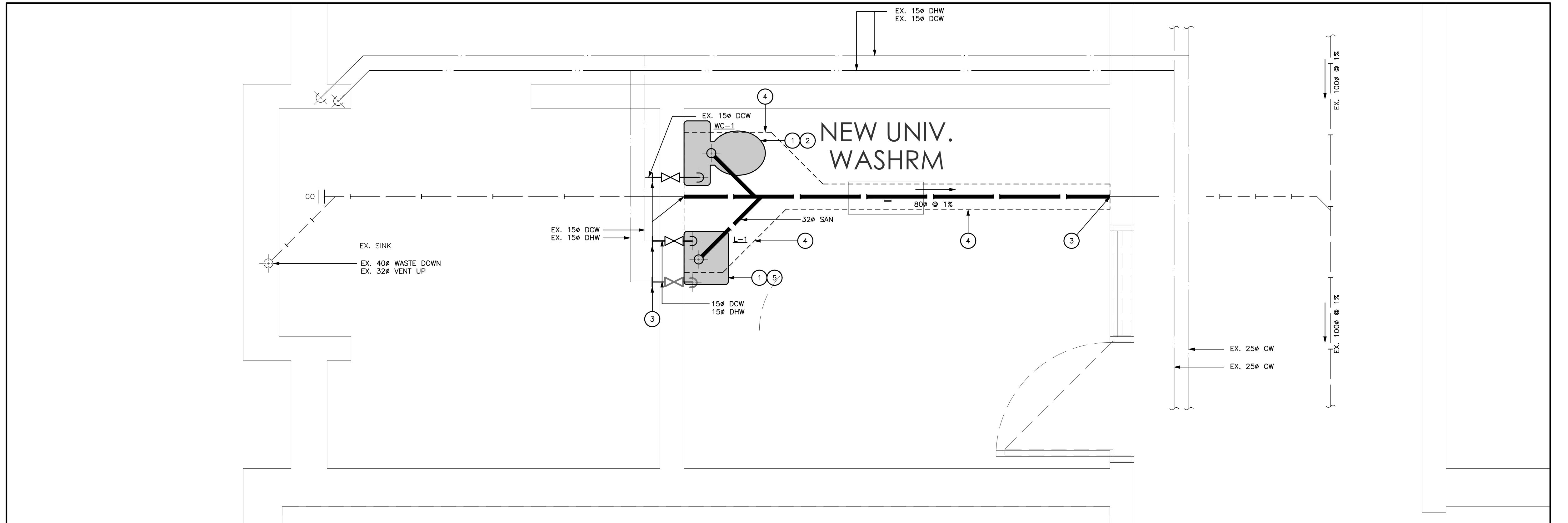
Drawn:	Scale:
Date:	AS NOTED
Project Number:	ALL-25001986-A0
Checked:	EV
Date:	FEBRUARY, 2025
This Set Contains:	Drawing Number: M1.1
	Drawings
	Revision

GENERAL NOTES

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 THE EXISTING SERVICES AND STRUCTURE TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES, BEFORE THE COMMENCEMENT OF ANY WORKS.

FOR DRAWINGS LEGENDS SEE DRAWING M0.0.

C) HAZARDOUS ASBESTOS CONTAINING MATERIALS MAY 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 IN ASBESTOS EXPOSURE AREAS. A COPY OF THE ASBESTOS EXPOSURE PLAN IS AVAILABLE FOR REVIEW. CERTIFIED COMPANIES MUST HANDLE AND DISPOSE OF ASBESTOS CONTAINING MATERIALS.



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.

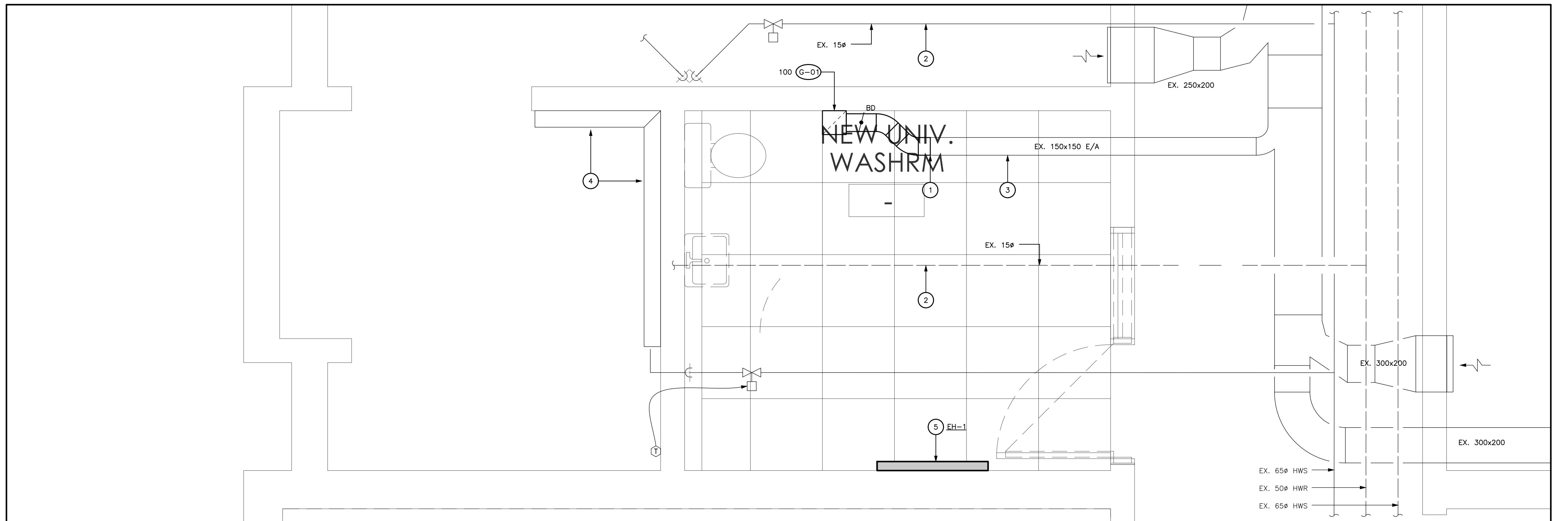
PARTIAL FLOOR PLAN – UNIVERSAL WASHROOM – PLUMBING – NEW PLAN

SCALE – 1:20

0 .5 1 1.5 2

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 M.O.O.
- 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.



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.

PARTIAL FLOOR PLAN – UNIVERSAL WASHROOM – HVAC – NEW PLAN

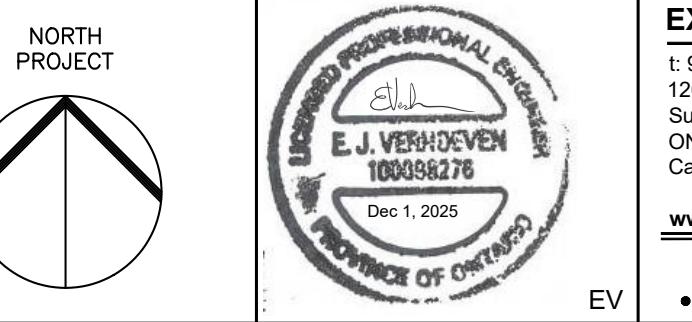
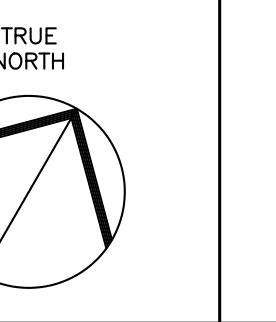
SCALE – 1:20

0 .5 1 1.5 2

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 M.O.O.
- I) READ IN CONJUNCTION WITH SPECIFICATIONS 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	
No.	ISSUED FOR REVIEW	2025/02/28	ISSUED FOR TENDER READY SET 2025/03/31
1	ISSUED FOR PERMIT AND TENDER	2025/04/17	ISSUED FOR PERMIT AND TENDER
2	2025/04/17	2025/04/17	2025/04/17
3	ISSUED FOR PERMIT AND TENDER	2025/04/17	ISSUED FOR PERMIT AND TENDER
4	2025/04/17	2025/04/17	2025/04/17



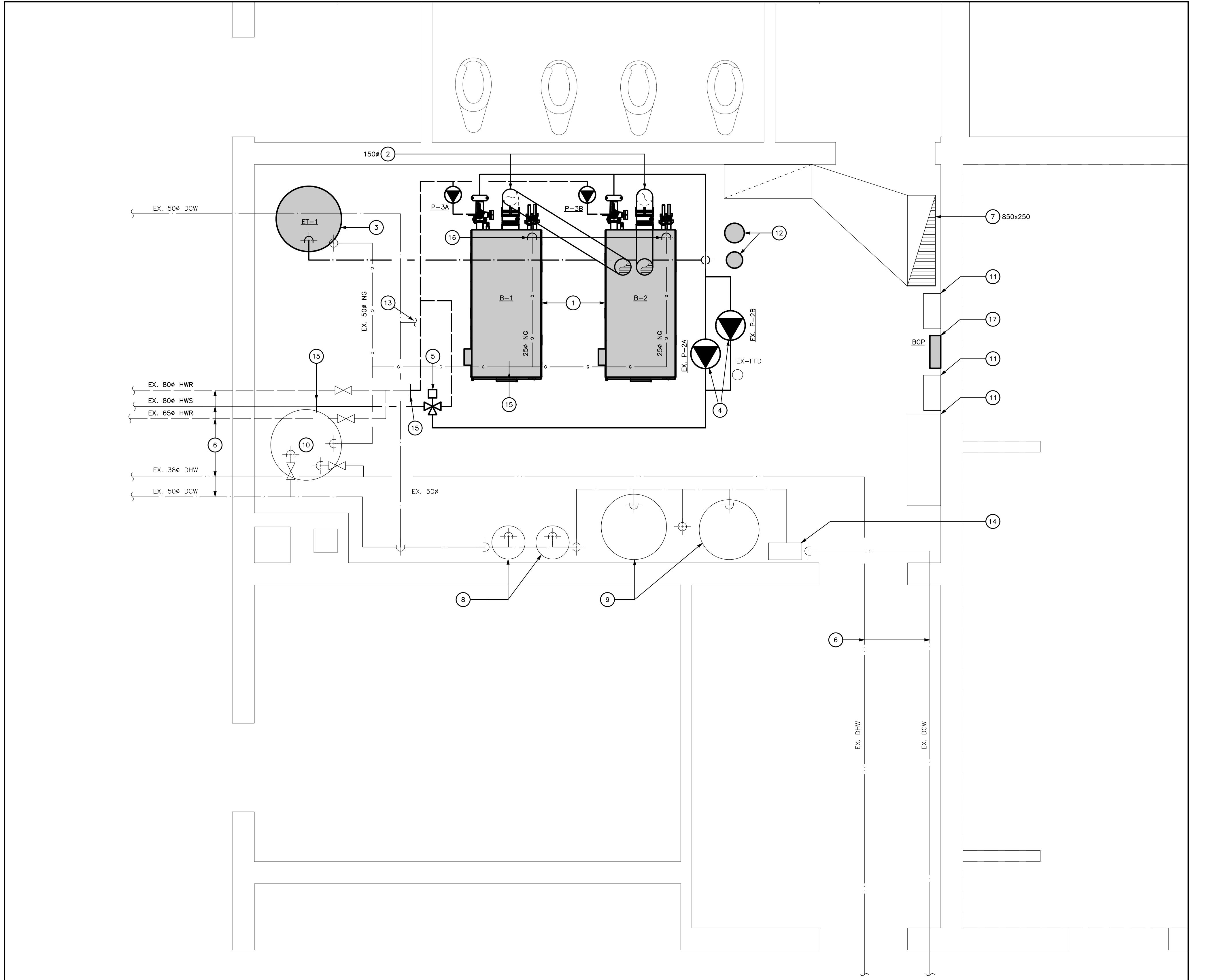
Project Title: KILBRIDE PUBLIC SCHOOL
6611 PANTON STREET
KILBRIDE, ONTARIO

Drawing Title: PARTIAL FLOOR PLAN - UNIVERSAL WASHROOM - NEW PLANS

Drawn: JL Scale: AS NOTED
Date: FEBRUARY, 2025 Project Number: ALL-25001986-A0
Checked: EV This Set Contains Drawing Number: M2.0
Date: FEBRUARY, 2025 Drawings Revision

DRAWING NOTES

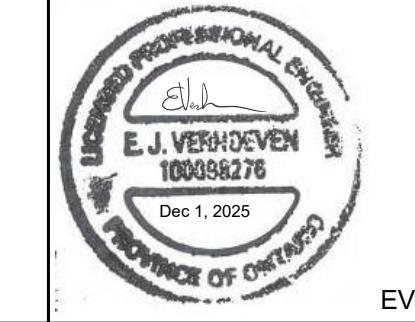
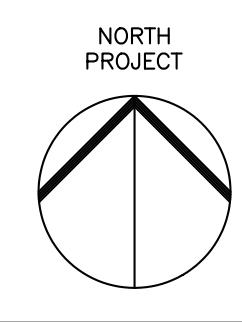
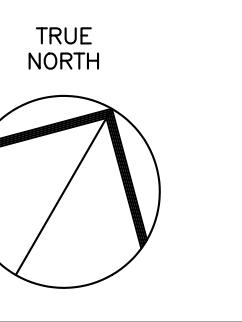
1. INSTALL NEW GAS FIRED BOILER AS PER MANUFACTURERS INSTRUCTIONS. BOILER TO COME COMPLETE WITH CONDENSATE NEUTRALIZATION KIT AND DRAINED TO NEAREST FFD. REFER TO MECHANICAL SCHEMATICS ON SHEET M3.0 FOR ADDITIONAL DETAILS.
2. INSTALL NEW BOILER VENTING AS PER MANUFACTURERS RECOMMENDATION. RE-USE EXISTING 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 CONCERN.



PARTIAL FLOOR PLAN - BOILER ROOM - MECHANICAL - NEW PLAN

SCALE - 1:20

REVISIONS	
No.	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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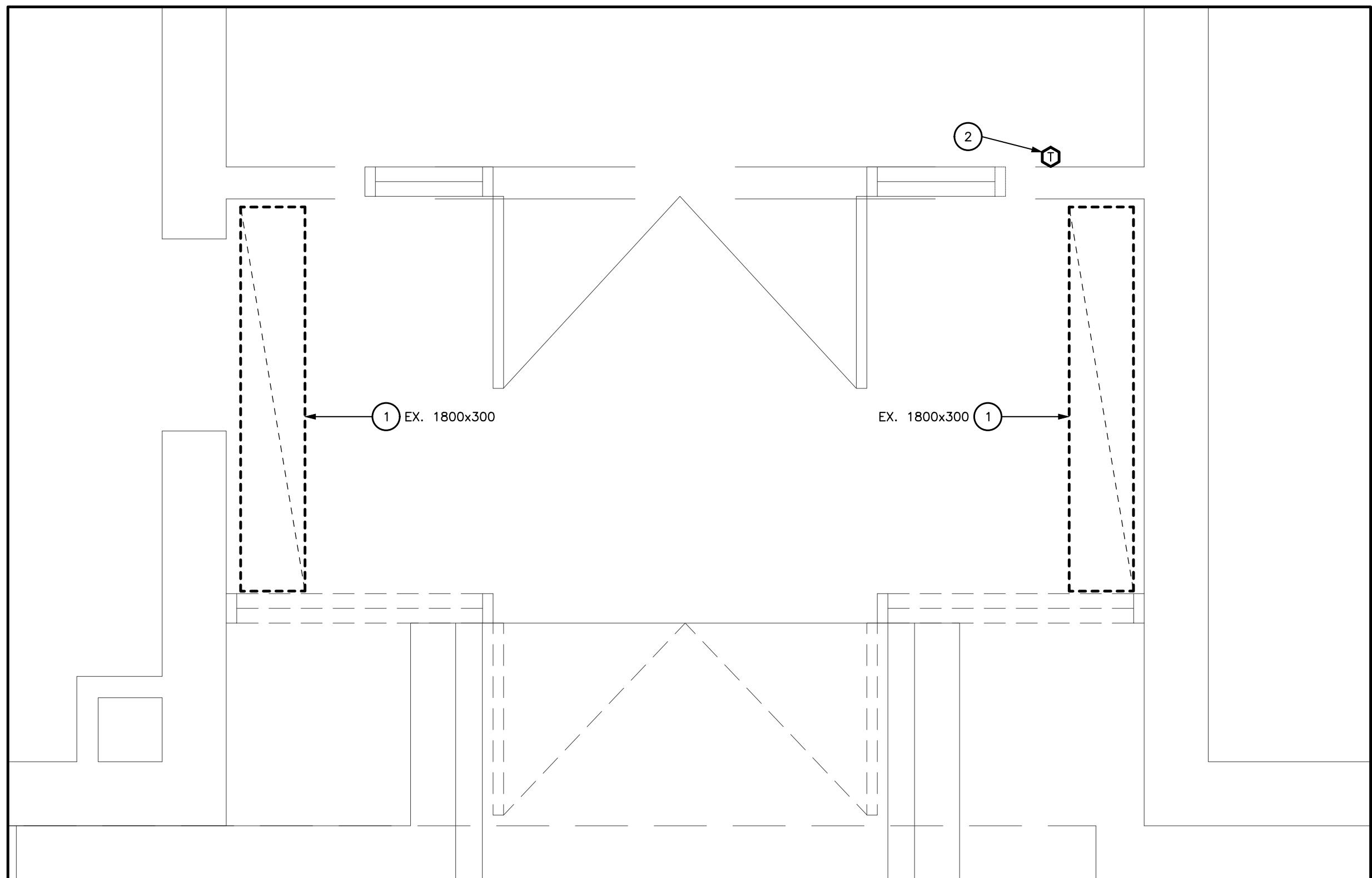
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Project Title: KILBRIDE PUBLIC SCHOOL
 6611 PANTON STREET
 KILBRIDE, ONTARIO
 Drawing Title: PARTIAL FLOOR PLAN - BOILER ROOM - MECHANICAL NEW PLAN

Draw: JL Scale: AS NOTED
 Date: FEBRUARY, 2025 Project Number: ALL-25001986-A0
 Checked: EV This Set Contains Drawing Number: M2.1
 Date: FEBRUARY, 2025 Drawings Revision

GENERAL NOTES

- MINIMUM PIPE SIZE TO BE 20mm (3/4") DIAMETER UNLESS OTHERWISE NOTED.
- ALL PIPING, VALVES AND EQUIPMENT SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
- CO-ORDINATE PIPE RUNS WITH SHEETMETAL, PLUMBING, SPRINKLER AND ELECTRICAL DIVISIONS.
- FOR EXACT LOCATION OF GRILLES AND DIFFUSERS REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.
- DUCT RUNOUTS TO BE CONCEALED IN CEILING SPACE UNLESS NOTED OTHERWISE.
- DUCT RUNOUTS TO MATCH GRILLE/DIFFUSER SIZE UNLESS OTHERWISE NOTED.
- DUCTWORK LOCATIONS TO BE FULLY CO-ORDINATED WITH GENERAL PLUMBING, SPRINKLER AND ELECTRICAL CONTRACTORS PRIOR TO FABRICATION OR INSTALLATION.
- FOR DRAWING LEGENDS SEE DRAWING M0.0.
- READ IN CONJUNCTION WITH SCHEMATICS AND DETAILS.
- HAZARDOUS ASBESTOS CONTAINING MATERIALS ARE KNOWN TO EXIST 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 EXPOSURE REPORT IS AVAILABLE FOR REVIEW. CERTIFIED COMPANIES MUST HANDLE AND DISPOSE OF ASBESTOS CONTAINING MATERIALS.



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

SCALE – 1:20
0 .5 1 1.5 2

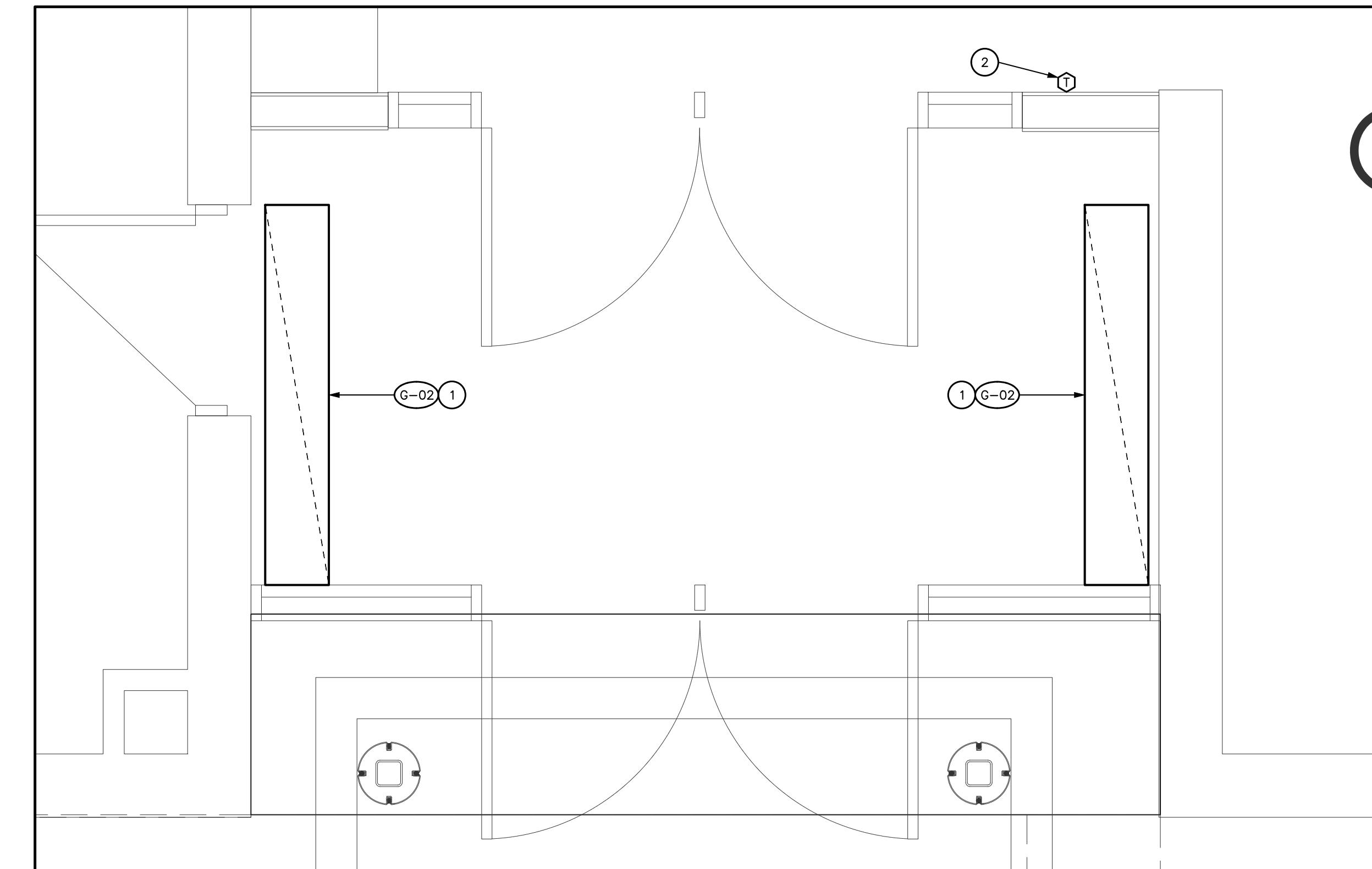
DRAWING NOTES

① EXISTING AIR GRILLE TO BE DEMOLISHED AND REMOVED FROM SITE. DEMOLISH 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 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 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

SCALE – 1:20
0 .5 1 1.5 2

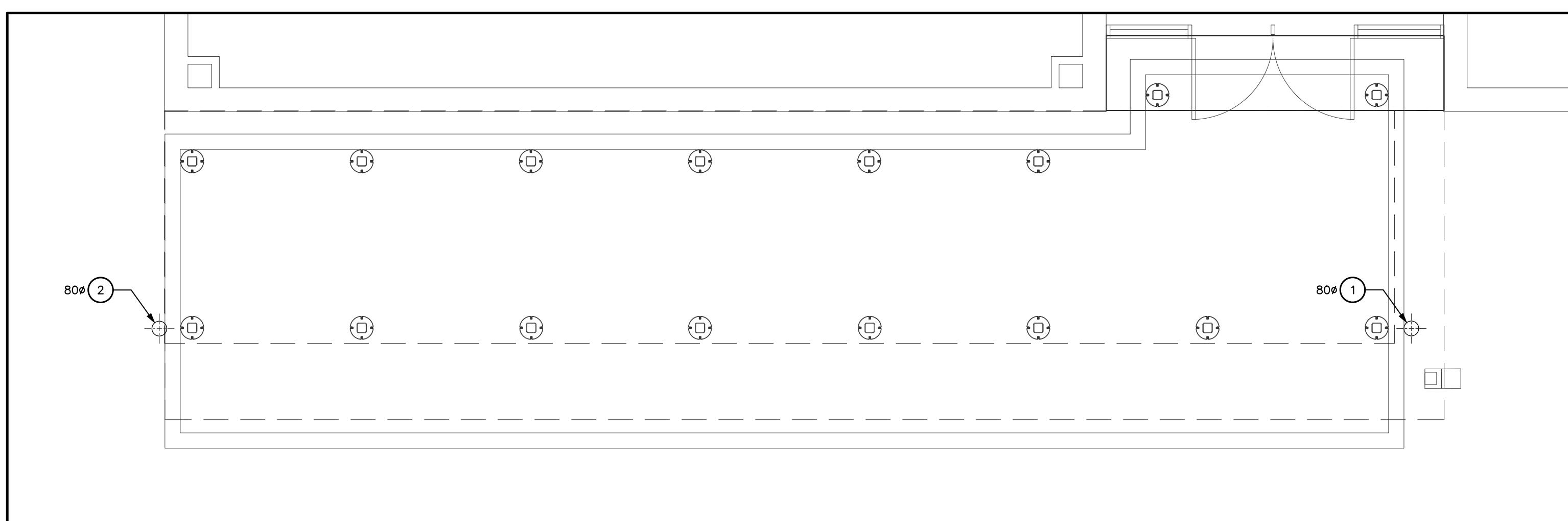
DRAWING NOTES

① INSTALL AIR GRILLE IN NEW T-BAR CEILING. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.
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 PLANS FOR LOCATION.
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

NORTH
SCALE – 1:50
0 1 2 3 4 5

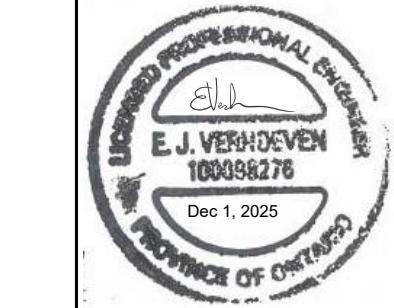
DRAWING NOTES

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.

REVISIONS	
No.	Description/Date
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3	ISSUED FOR PERMIT AND TENDER 2025/04/17
4	ISSUED FOR PERMIT AND TENDER 2025/12/01

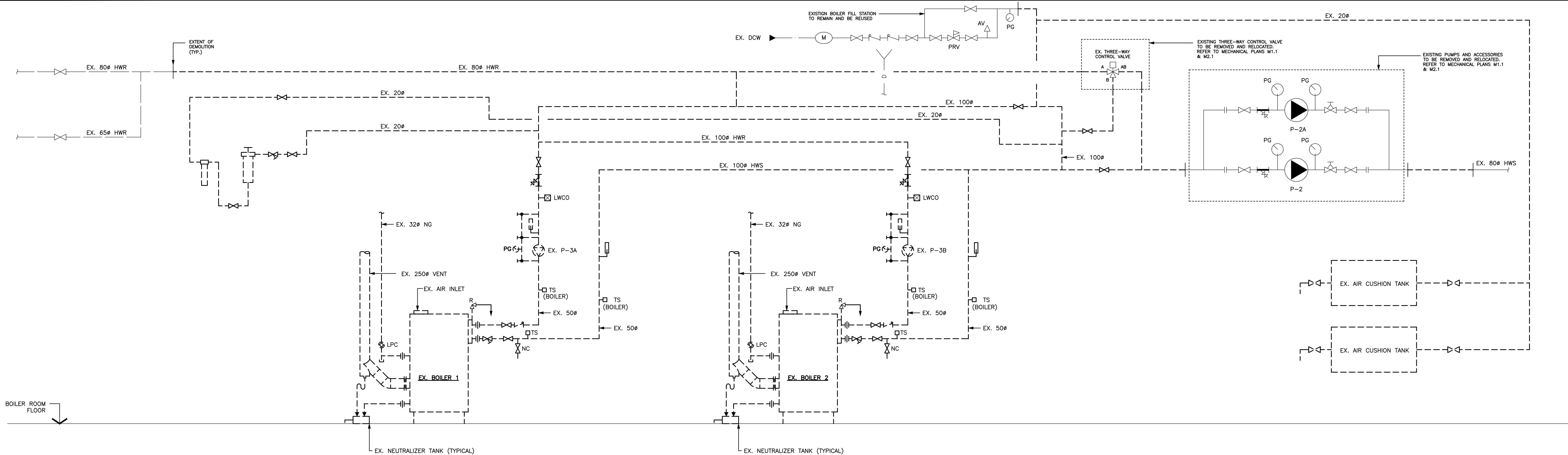


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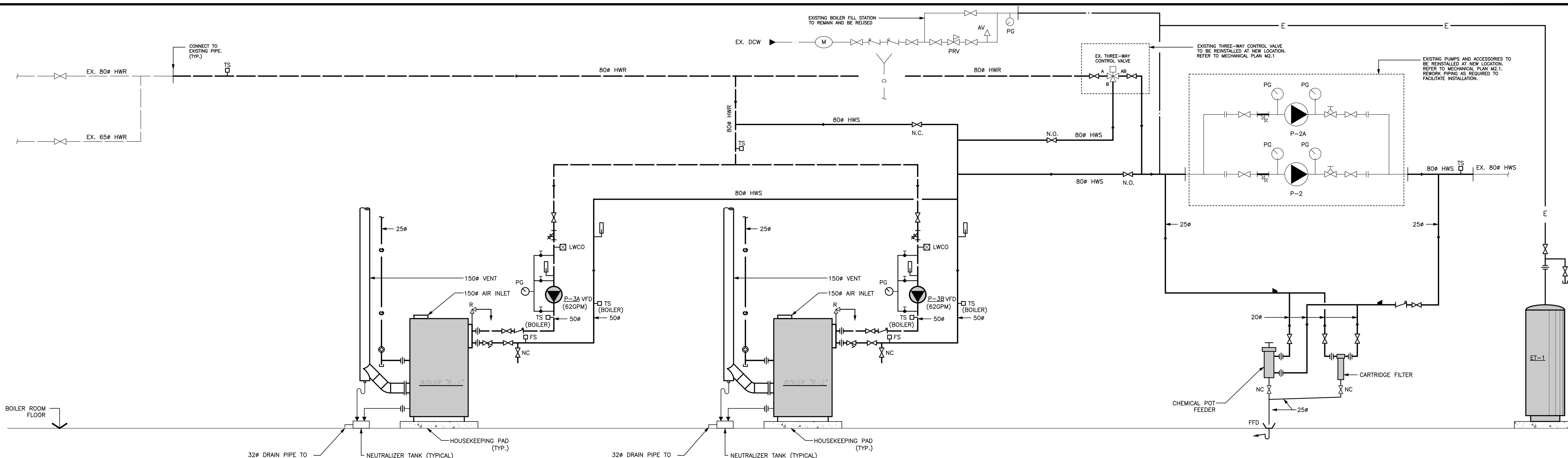
Project Title:
KILBRIDE PUBLIC SCHOOL
6611 PANTON STREET
KILBRIDE, ONTARIO
Drawing Title:
MECHANICAL CANOPY PLANS AND DETAILS

Drawn: JL
Date: FEBRUARY, 2025
Scale: AS NOTED
Project Number: ALL-25001986-A0
Checked: EV
Date: FEBRUARY, 2025
Drawing Number: M4.0
This Set Contains Drawings
Revision



BOILER ROOM PIPING SCHEMATIC (EXISTING)

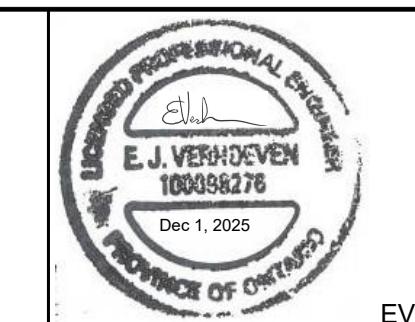
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BOILER ROOM PIPING SCHEMATIC (NEW LAYOUT)

N.T.S.

REVISIONS		Description \ Date
No.		
1		ISSUED FOR REVIEW 2025/02/28
2		ISSUED FOR TENDER READY SET 2025/03/31
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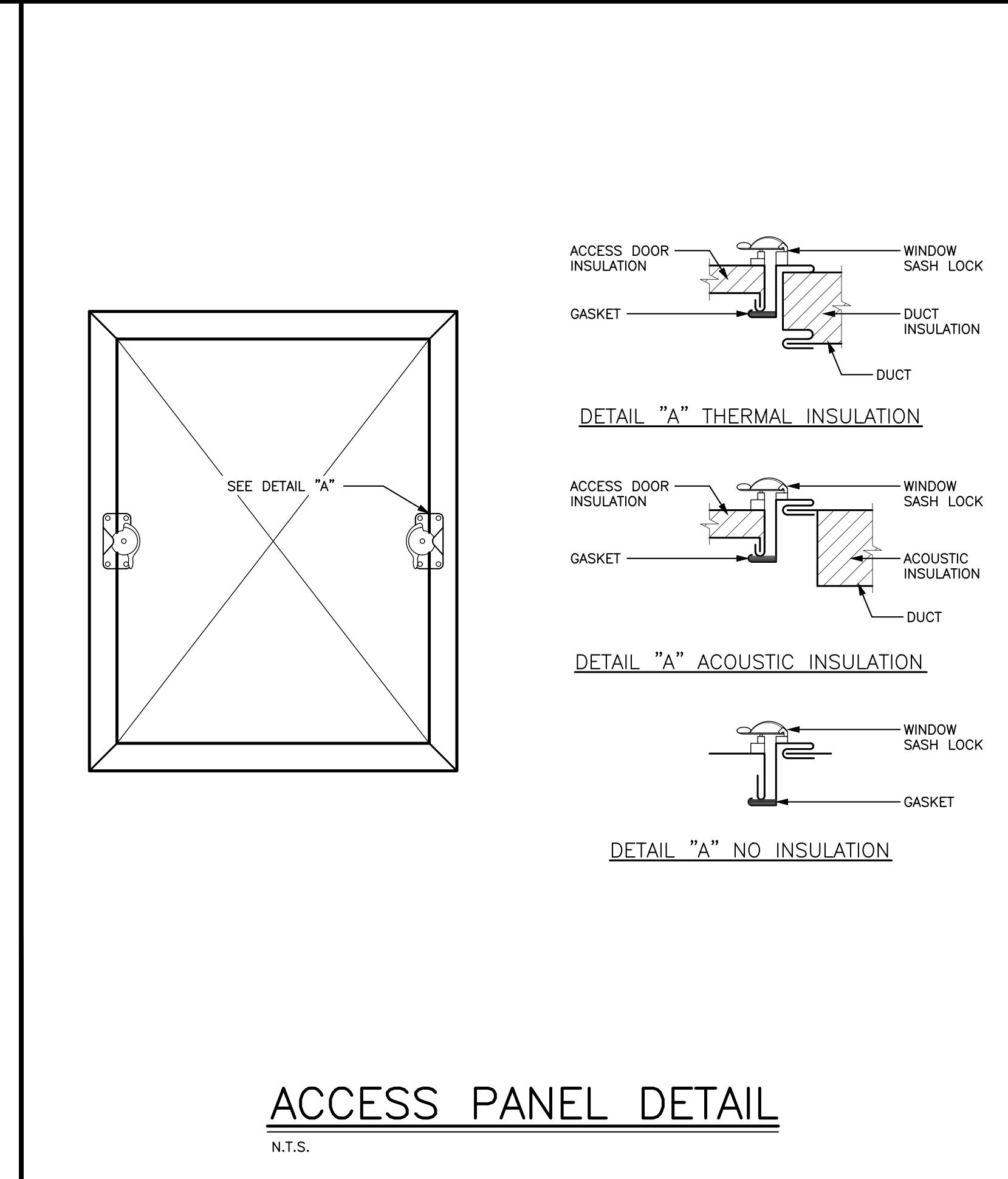
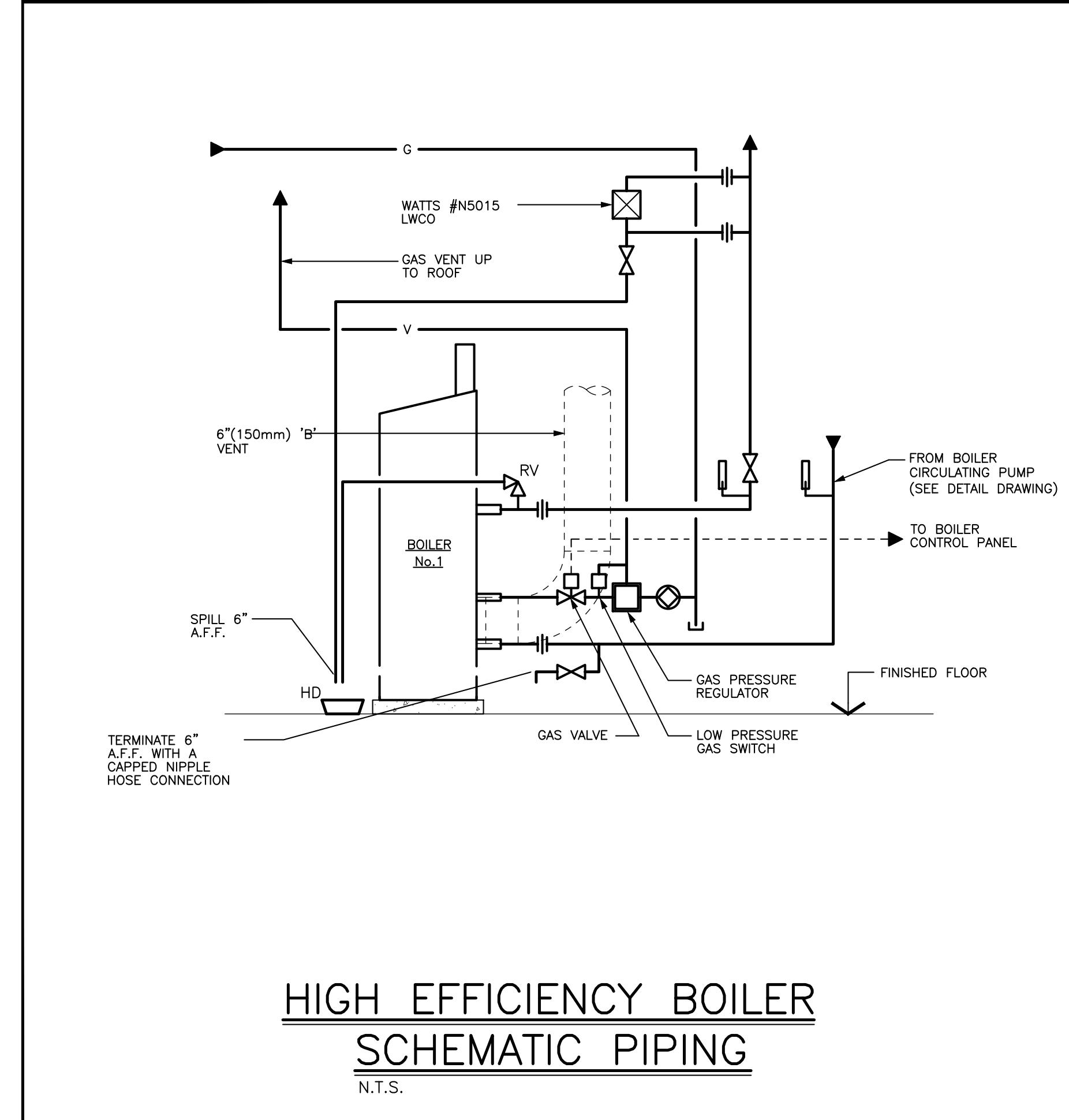
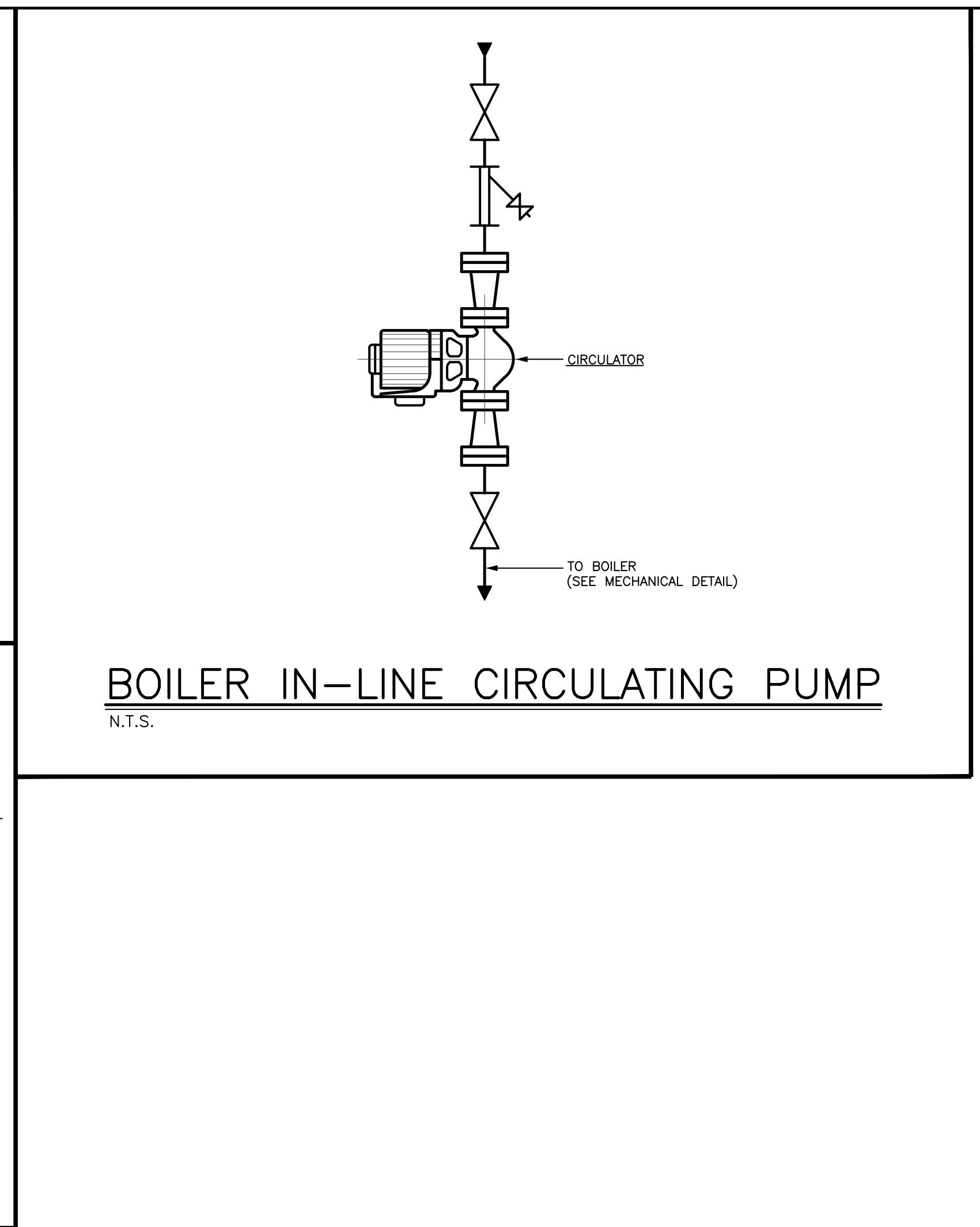
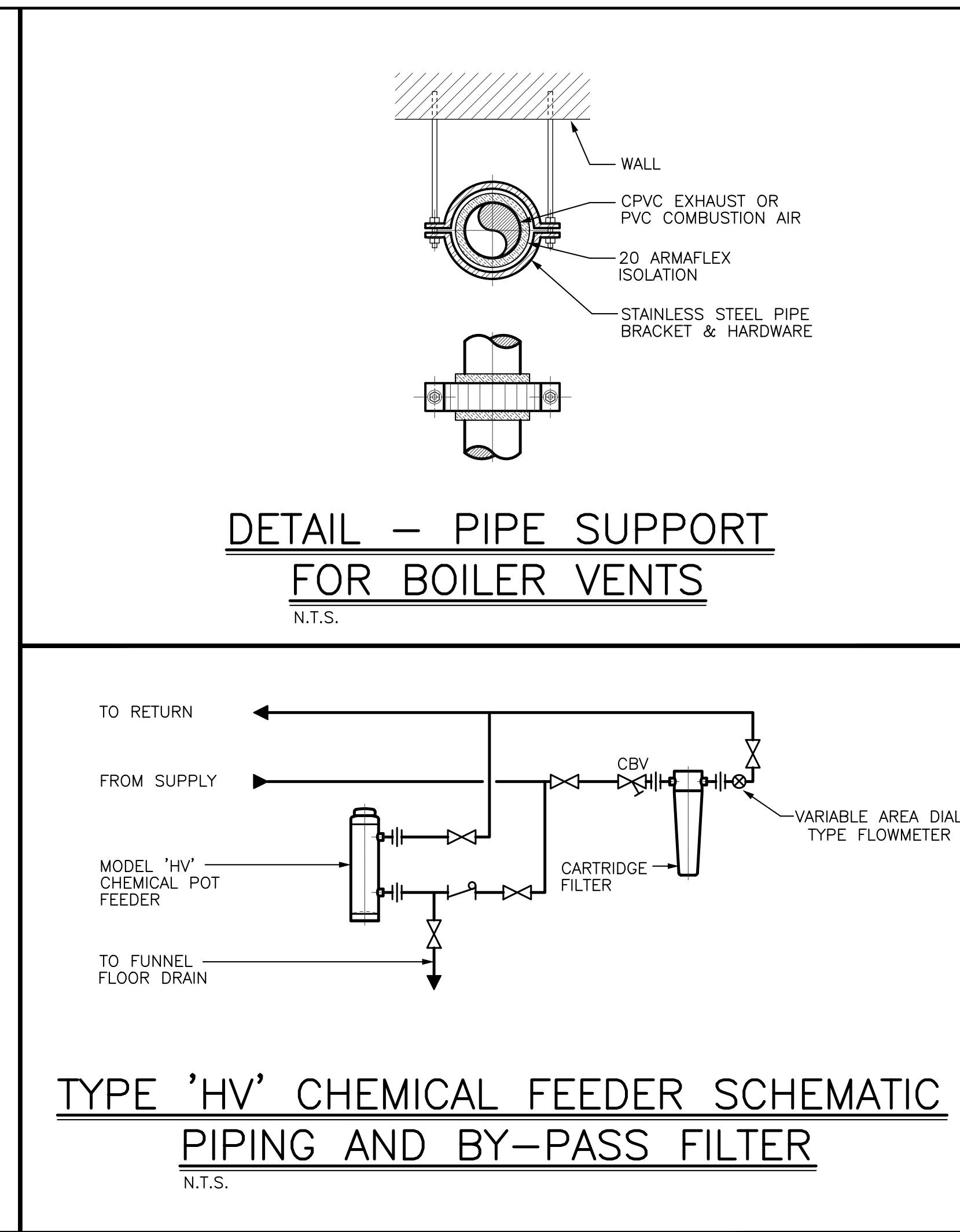
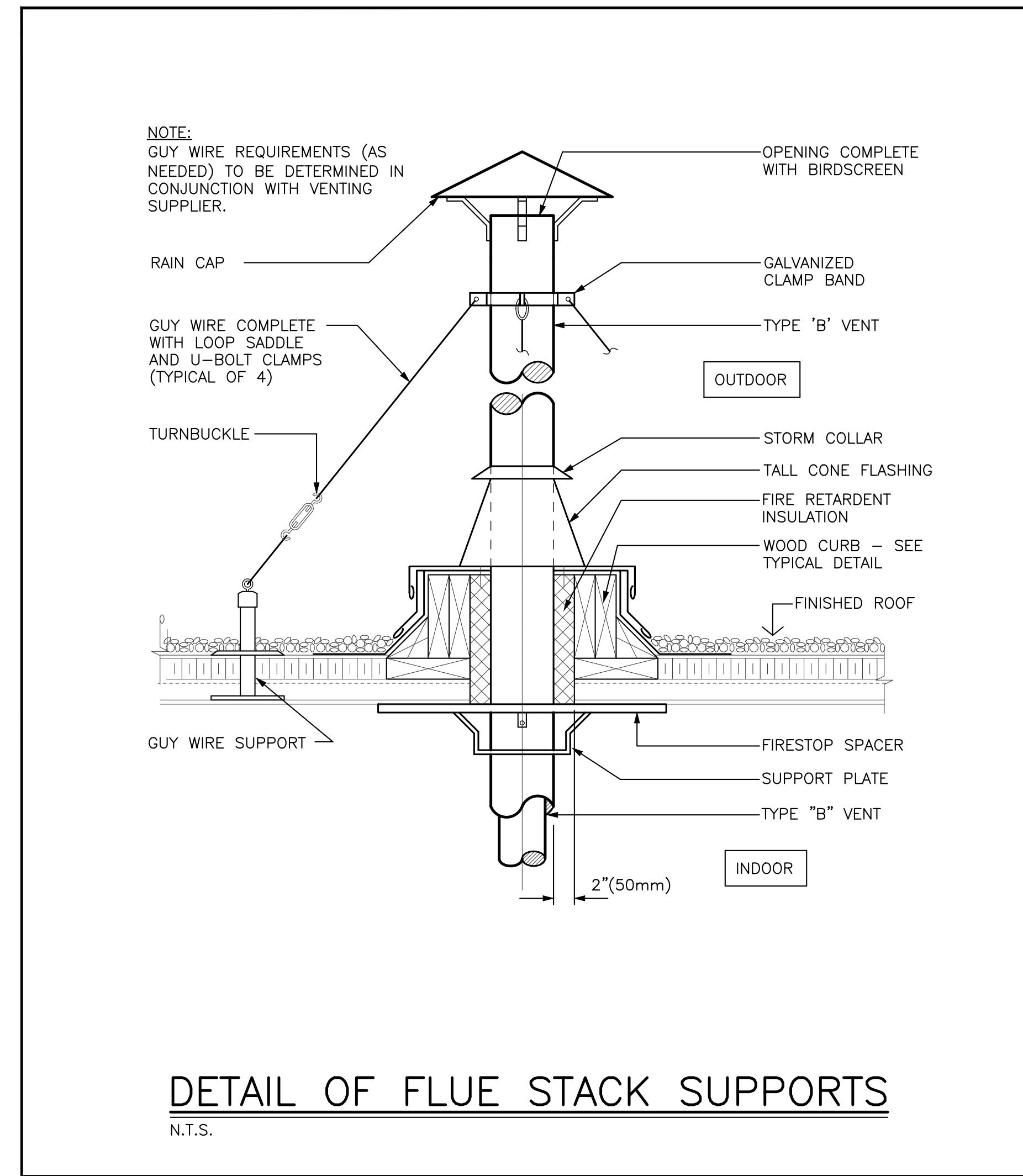
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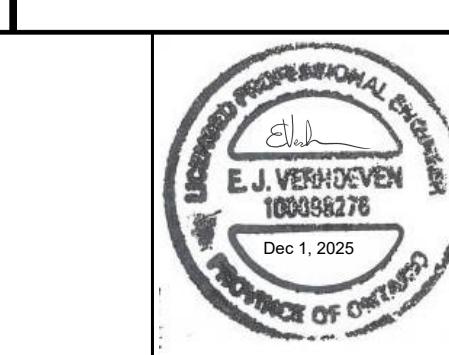
Project Title:
KILBRIDE PUBLIC SCHOOL
6611 PANTON STREET
KILBRIDE, ONTARIO

Drawing Title:
MECHANICAL SCHEMATICS

	Drawn: JL Date: FEBRUARY, 2025	Scale: N.T.S.
		Project Number: ALL-25001986-A0
	Checked: EV Date: FEBRUARY, 2025	This Set Contains Drawings



REVISIONS		Description/Date		Issued For Review		Issued For Tender Ready		Issued For Permit And Tender Set		Issued For Permit And Tender	
1		2025/02/28		3		2025/03/31		4		2025/04/17	
2											



MECHANICAL SCHEDULE - BOILERS											JOB No.	ALL-25001986-A0								
DWG. DESIGNATION	SYSTEM and ROOM	MODEL	Type	WEIGHT (LBS)	OUTPUT (MBH)	INPUT (MBH)	EFFICIENCY (%)	WATER CONDITIONS				WIRING FOR MECHANICAL EQUIPMENT SCHEDULE						ELECTRICAL WIRING INSTRUCTIONS		
								FLOW (GPM)	PD (FT)	EWT (°F)	LWT (°F)	MECHANICAL REMARKS			MOTOR W or HP	MCA	MCOP	VAC/0	ROOM STARTER TYPE	REMOTE CONTROL DEVICE
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, NPRO INTEGRAL BOILER CONTROLS, CW RELIEF VALVE, CONDENSATE NEUTRALIZATION KIT, BAS CONNECTION	-	5	15	120V/10	BIC	BAS	TYPE 1	DIV. 26 TO PROVIDE RED PAINTED DISCONNECT AND WIRE COMPLETELY. DIV. 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, NPRO INTEGRAL BOILER CONTROLS, CW RELIEF VALVE, CONDENSATE NEUTRALIZATION KIT, BAS CONNECTION	-	5	15	120V/10	BIC	BAS	TYPE 1	DIV. 26 TO PROVIDE RED PAINTED DISCONNECT AND WIRE COMPLETELY. DIV. 26 TO PROVIDE EPO SWITCH WITH COVER TO REMOTELY SHUT DOWN BOILER. ALL CONTROL WIRING BY MECHANICAL DIVISION

MECHANICAL SCHEDULE - PUMPS											JOB No.	ALL-25001986-A0
DWG. DESIGNATION	SYSTEM and ROOM	MODEL	SPEC TYPE	FLOW (GPM)	HEAD (FT)	RPM	VFD	WIRING FOR MECHANICAL EQUIPMENT SCHEDULE			ELECTRICAL WIRING INSTRUCTIONS	
								MOTOR W or HP	MCA	MCOP		
P-3A	BOILER CIRCULATOR	TAICO 1935	INLINE	62	15	1760	YES	CLOSE COUPLED, INLINE PUMP, STAINLESS STEEL IMPELLER, CAST IRON BODY	0.5 HP		115V/10	
P-3B	BOILER CIRCULATOR	TAICO 1935	INLINE	62	15	1760	YES	CLOSE COUPLED, INLINE PUMP, STAINLESS STEEL IMPELLER, CAST IRON BODY	0.5 HP		115V/10	
EX-P-2A	HOT WATER HEATING	ARMSTRONG H-67-1 B/F/B	INLINE SPLIT COUPLED	85	25	1800	NO	EXISTING PUMP	1 HP		208/10	
EX-P-2B	HOT WATER HEATING	ARMSTRONG H-67-1 B/F/B	INLINE SPLIT COUPLED	85	25	1800	NO	EXISTING PUMP	1 HP		208/10	

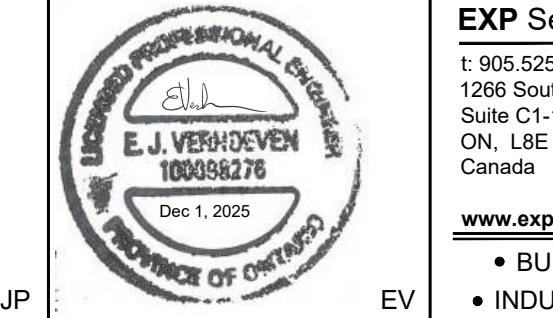
MECHANICAL SCHEDULE - MSC. MECHANICAL											JOB No.	ALL-25001986-A0		
DWG. DESIGNATION	SYSTEM and ROOM	MODEL	CAPACITY	UNIT	MECHANICAL REMARKS			WIRING FOR MECHANICAL EQUIPMENT SCHEDULE						ELECTRICAL WIRING INSTRUCTIONS
					MOTOR W or HP	MCA	MCOP	VAC/0	ROOM STARTER TYPE	REMOTE CONTROL DEVICE	DISC. TYPE			
B-CP	HEATING SYSTEM BOILER ROOM	PK PROTONODE	-	-	BOILER PROTOCOL CONVERTER CONTROL PANEL	-	-	15	115V/10	-	BAS			
ET-1	HEATING SYSTEM BOILER ROOM	TAICO CA450-125	450	LITRES	CARBON STEEL BLADDER TYPE A ASME EXPANSION TANK, 125 PSI	-	-	-	-	-	-			

MECHANICAL SCHEDULE - GRILLES AND REGISTERS											JOB No.	ALL-25001986-A0
DWG. DESIGNATION	MODEL	SIZE	CFM	SP (IN W.G.)	MECHANICAL REMARKS						ELECTRICAL WIRING INSTRUCTIONS	
					CORE	BORDER	FRAME	Length	Width	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	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

MECHANICAL SCHEDULE - ELECTRICAL DUCT HEATER											JOB No.	ALL-25001986-A0		
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	MCOP	VAC/0	ROOM STARTER TYPE	REMOTE CONTROL DEVICE	DISC. TYPE			
BH-1	OUTLET OFM0750	37 x 2.5	750	7.3	ELECTRIC BASEBOARD HEATER, WHITE, STAINLESS STEEL HEATING ELEMENT, ALUMINUM FINS, INTEGRAL THERMOSTAT.	750 W		208-240V /10	BIC	BIC				

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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
Drawing Number: ME1.0
Drawing Revision: 0
Drawings: 1