

Item	Type	Capacity USgpm	Head ft	Size hp	Electrical Voltage	Speed rpm	Manufacturer & Model	Remarks
BP-1	INLINE (BOILER PUMP)	40	20	0.5 HP	208/3/60	1750	ARMSTRONG H-H53	INLINE PUMP, SUITABLE FOR HYDRONIC HOT WATER (180°F), INVERTER READY PUMP MOTOR.
P-1	VERTICAL IN-LINE (HYDRONIC SYSTEM)	40	40	1 HP	208/3/60	1750	ARMSTRONG H-H65	VERTICAL INLINE PUMP, SUITABLE FOR HYDRONIC HOT WATER (180°F), INVERTER READY PUMP MOTOR, PROVIDE SEPARATE WALL MOUNT VFD.
C-1	DHW RE-CIRC PUMP (BOILER ROOM)	6	10	FHP	120/1/60		ARMSTRONG ASTRO 225 SSU	STAINLESS STEEL, LOW HEAD, WET ROTOR CIRCULATOR, SUITABLE FOR POTABLE HOT WATER AT 160°F
C-2	DHW RE-CIRC PUMP (2ND FLR - SERVES 1ST FLR)	6	10	FHP	120/1/60		ARMSTRONG ASTRO 225 SSU	STAINLESS STEEL, LOW HEAD, WET ROTOR CIRCULATOR, SUITABLE FOR POTABLE HOT WATER AT 160°F
C-3	DHW RE-CIRC PUMP (2ND FLR - SERVES 2ND FLR)	6	10	FHP	120/1/60		ARMSTRONG ASTRO 225 SSU	STAINLESS STEEL, LOW HEAD, WET ROTOR CIRCULATOR, SUITABLE FOR POTABLE HOT WATER AT 160°F

Item	Type	Nominal Capacity			ESP in wc	Motor hp	Electrical Data			Acceptable Manufacturer	Notes
		MIN. cfm	INPUT MBH	OUTPUT MBH			Voltage	MCA	MCCP		
MUA-1 (XIST-DEMO)	VERTICAL DOWN-FLOW MAKE-UP AIR UNIT	1285	—	—	0.004	1.0	208/1/60	8.2	15	SPRING AIR SFA 10 0v	EXISTING TO BE REMOVED COMPLETE.
MUA-1 (NEW)	DIRECT FIRED DOWN DISCHARGE MAKE-UP AIR UNIT	1300	150	120	0.3	3/4	208/3/60	—	15	SPRING AIR SAAB-DFD0	DIRECT FIRED NG, SS HEAT EXCHANGER SUITABLE FOR 100% OUTDOOR AIR, 500mm (20") HIGH ROOF CURB, INLET HOOD, MERV 8 FILTERS, LOW LEAKAGE DAMPER, PROVIDE KITCHEN MAIN CONTROL PANEL & THERMOSTAT. INTERLOCK TO ASSOCIATED EXHAUST FAN CONTROLLER. COORDINATE W/ ELECTRICAL TRADE
MUA-2 (EXIST)	VERTICAL DOWN-FLOW MAKE-UP AIR UNIT	2490	—	—	0.004	1.0	208/1/60	8.2	15	SPRING AIR SFA 10 0v	EXISTING TO BE REMOVED, RETAINED AND REINSTALLED.

Item	Type	Capacity cfm	ESP in wc	Fan Speed rpm	Motor		Acceptable Manufacturer	Description
					hp	Voltage		
EF-1	ROOF EXHAUST FAN NFFA GREASE EXHAUST (KITCHEN HOOD GROUND FLOOR)	1800	2.0	1677	1.5	208/3/60	GREENHECK CUBE-160HP	SPUN ALUMINUM MOTOR COVER & FAN SHROUD, UPBLAST, W/ BELT DRIVE CENTRIFUGAL BACKWARD INCLINED NON-STICK FAN, GALV BIRD SCREEN, VENTED & INSULATED EXTENDED ROOF CURB, & GREASE TRAP, SUITABLE FOR NFFA-98 INSTALLATION, CONTROL BY REMOTE START/STOP PUSH BUTTON AND INTERLOCK TO MUA-1. COORDINATE WITH ELECTRICAL TRADE
EF-3	ROOF EXHAUST FAN (1ST FLOOR WASH)	600	0.75	1424	1/4	120/1/60	GREENHECK G-099-VG	SPUN ALUMINUM MOTOR COVER & FAN SHROUD, DOWN DISCHARGE, DIRECT DRIVE CENTRIFUGAL BACKWARD INCLINED FAN, GALV BIRD SCREEN, 24" HIGH INSULATED ROOF CURB, & BACKDRAFT DAMPER, ECM MOTOR, SPEED CONTROLLER FOR BALANCING.
EF-5	ROOF EXHAUST FAN (2ND FLOOR WASHROOMS)	500	0.3	1300	1/6	120/1/60	GREENHECK G-095-VG	SPUN ALUMINUM MOTOR COVER & FAN SHROUD, DOWN DISCHARGE, DIRECT DRIVE CENTRIFUGAL BACKWARD INCLINED FAN, GALV BIRD SCREEN, 24" HIGH INSULATED ROOF CURB, & BACKDRAFT DAMPER, ECM MOTOR, SPEED CONTROLLER FOR BALANCING.
EF-21	CEILING EXHAUST FAN (2ND FLOOR HOT WATER ROOM)	250	0.20	805	Fhp	120/1/60	BROAN L250	ACOUSTICALLY INSULATED STEEL HOUSING, CENTRIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 2.9 SONES
EF-22	CEILING EXHAUST FAN (NEW 1ST FLOOR CUSTODIAN ROOM)	100	0.20	640	Fhp	120/1/60	BROAN L100	ACOUSTICALLY INSULATED STEEL HOUSING, CENTRIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.1 SONES
EF-23	CEILING EXHAUST FAN (WATER ENTRY BOILER ROOM)	100	0.20	640	Fhp	120/1/60	BROAN L100	ACOUSTICALLY INSULATED STEEL HOUSING, CENTRIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.1 SONES
EF-24	CEILING EXHAUST FAN	150	0.20	710	Fhp	120/1/60	BROAN L150	ACOUSTICALLY INSULATED STEEL HOUSING, CENTRIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.8 SONES
EF-25	CEILING EXHAUST FAN	200	0.20	715	Fhp	120/1/60	BROAN L200	ACOUSTICALLY INSULATED STEEL HOUSING, CENTRIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 2.3 SONES
EF-26	IN-LINE EXHAUST FAN	3000	0.375	1168	1	208/3/60	GREENHECK SQ-160-VG	IN-LINE FAN, ACOUSTICALLY INSULATED GALV STEEL HOUSING, FORWARD CURVED CENTRIFUGAL FAN, DIRECT DRIVE W/VFD, SIDE ACCESS PANELS, FRONT BOTTOM DISCHARGE, INTERNALLY ISOLATED, C/W DUCT COLLARS & HANGING VIBRATION ISOLATORS. FAN TO OPERATE AT 50% FROM RA STAT & AT 100% WHEN TRIGGERED BY GAS DETECTION. CONTROL CONNECTIONS BY MECHANICAL.

GENERAL FAN NOTES:

- ACCEPTABLE MANUFACTURERS: GREENHECK, PENN-BARRY, COOK, CARNES, ACME, TWIN CITY, JENCO, BUFFALO.
- PROVIDE 24" TALL PREFABRICATED, INSULATED ROOF CURB FOR ALL ROOF MOUNTED FANS.
- PROVIDE 24" TALL PREFABRICATED VENTED NFFA COMPATIBLE ROOF CURB FOR NFFA ROOF EXHAUST FANS.

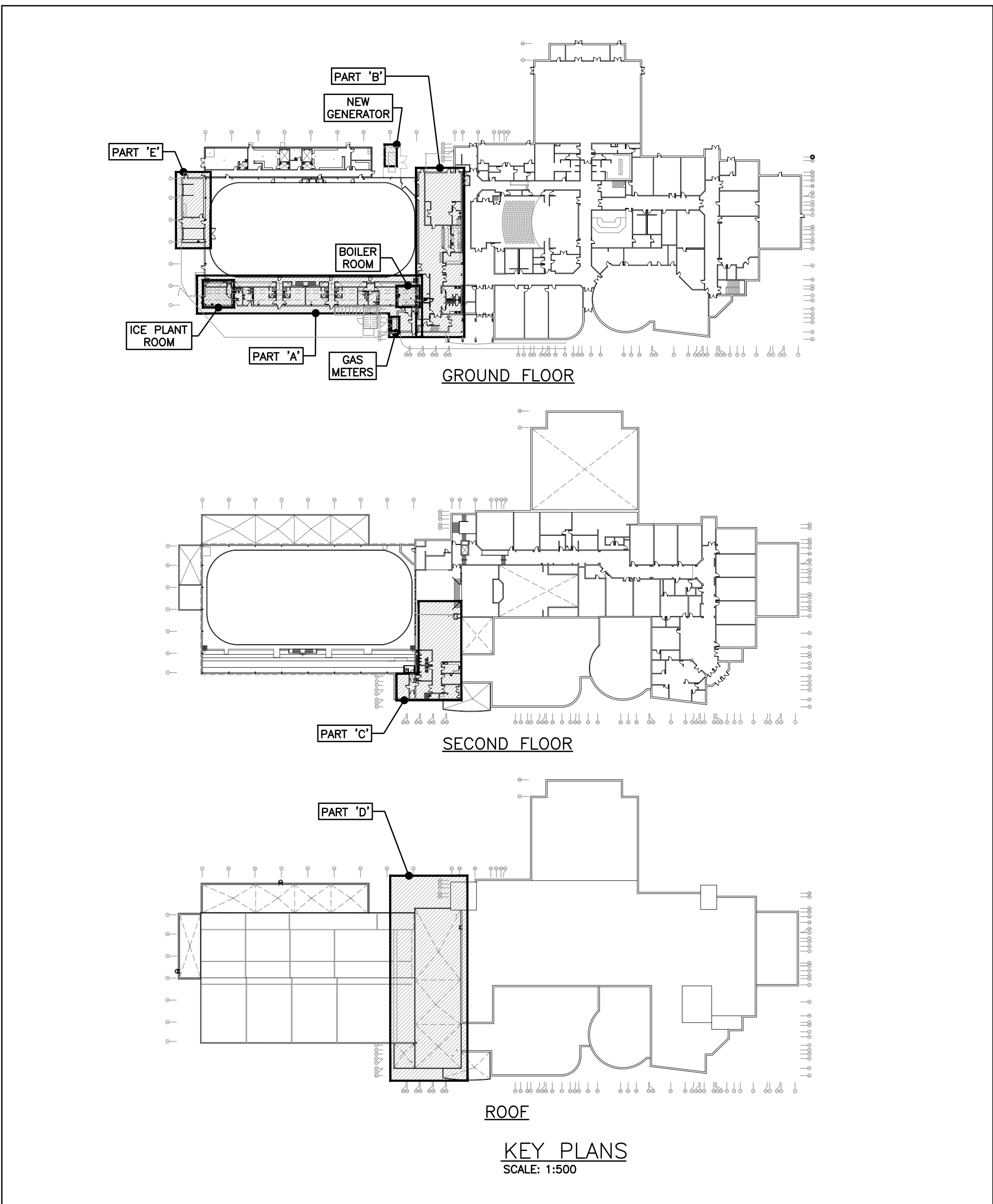
(CEILING FANS: BROAN, GREENHECK, ZONEX)

Item	Type	Capacity		SP in wc	Electrical			Dimensions	Manufacturer & Model	Remarks
		Supply cfm	Exh cfm		W	MCA	Voltage			
ERV-1	FIXED CORE ENERGY RECOVERY VENTILATOR	300	300	0.4	660	6.9	120/1/60	33Lx25Wx22H	RENEWAIR EV300 LIFEBREATH 330ERV	HIGH LATENT TRANSFER CORE. MINIMUM 50% EFFICIENCY IN WINTER CONDITIONS, TERMINAL STRIP FOR UNIT CONTROL, VIBRATION ISOLATING HANGERS, ACCESS FROM ONE SIDE, MAINTAIN ACCESS CLEARANCES, MAINTAIN MIN 2.75M CLEAR UNDER UNIT TO INSTALL.
ERV-2	FIXED CORE ENERGY RECOVERY VENTILATOR	300	300	0.4	660	6.9	120/1/60	33Lx25Wx22H	RENEWAIR EV300 LIFEBREATH 330ERV	
ERV-3	FIXED CORE ENERGY RECOVERY VENTILATOR	300	300	0.4	660	6.9	120/1/60	33Lx25Wx22H	RENEWAIR EV300 LIFEBREATH 330ERV	
ERV-4	FIXED CORE ENERGY RECOVERY VENTILATOR	300	300	0.4	660	6.9	120/1/60	33Lx25Wx22H	RENEWAIR EV300 LIFEBREATH 330ERV	
ERV-5	FIXED CORE ENERGY RECOVERY VENTILATOR	300	300	0.4	660	6.9	120/1/60	33Lx25Wx22H	RENEWAIR EV300 LIFEBREATH 330ERV	

Item	Type	Acceptable Manufacturer	Description
H1	WALL FIN RADIATOR	ENG-A WF-1A	WALL HUNG, 16ga STEEL CABINET WITH ALL MOUNTING HARDWARE, CORNERS, LAP PIECES, END CAPS ETC. ELEMENT TO BE 4x4 ALUMINUM FINS ON 1 1/4" COPPER TUBE WITH 50 FINS/FT. PROVIDE STAMPED GRILLE ON SLOPED TOP, OPEN BOTTOM, 12" HIGH CABINET WITH 1 ELEM ROW.
H2 (EXIST)	HORIZONTAL UNIT HEATER	EXISTING	HORIZONTAL, HUNG, 16ga STEEL CABINET WITH ROUNDED CORNERS, AND ALUMINUM FIN COIL, DIRECT DRIVE PROPELLER TYPE FAN WITH FAN GUARD, AND ADJUSTABLE DIRECTIONAL DISCHARGE LOUVER BLADES.
H3	CABINET FORCE FLOW HEATER (SURFACE)	ENG-A CUH SERIES	16ga STEEL CABINET WITH ROUNDED CORNERS, REMOVABLE PANELS, AND ALUMINUM FIN COIL, 3-SPEED DIRECT DRIVE DOUBLE WIDTH CENTRIFUGAL FANS, AND WASHABLE FILTER. STAMPED GRILLES ON FRONT TOP INLET & FRONT BOTTOM OUTLET. SURFACE MOUNTED ON WALL.

GENERAL HEATING COMPONENT NOTES:

1. ACCEPTABLE MANUFACTURERS: ENGINEERED AIR, SIGMA, RITTLING, SLANT-FIN, ROSEMEY, DUNHAM-BUSH
2. TEMPERATURE RATINGS: EWT=150°F, LWT=130°F, EAT=68°F
3. SIZES & HEAT CAPACITIES ARE NOTED ON THE FLOOR PLANS
4. RAD, CONVECTOR, & CABINET HEATER CABINET FINISHES ARE TO BE FACTORY PRIME COATED SELECTED FROM STANDARD MANUFACTURER'S COLOURS UNLESS OTHERWISE NOTED.
5. UNIT HEATERS FINISH ARE FACTORY APPLIED BAKED ON ENAMEL SELECTED FROM STANDARD MANUFACTURER'S COLOURS.



Item	Type	CFM	Input Capacity	Input Medium	SIZE	Electrical		Manufacturer & Model	Remarks
						Voltage	Power		
DH-1	FLANGED OPEN COIL	300	4.5kW	ELEC	10"x8"	575/3/60	4.5kW	THERMOLEC SC	SLIP--IN OPEN COIL, SCR MODULATING CONTROL, INTEGRAL OVERHEAT PROTECTION C/W HIGH TEMPERATURE RESET, STATIC DIFFERENTIAL PRESSURE SENSOR, AIRFLOW INTERLOCK, METAL PROTECTION SCREEN, SUPPLY AIR TEMP. SENSOR SET TO 72°F (ADJUSTABLE). NOTE THAT SSR MODULATING CONTROLS WILL NOT BE ACCEPTED.
DH-2	FLANGED OPEN COIL	300	4.5kW	ELEC	10"x8"	575/3/60	4.5kW	THERMOLEC SC	
DH-3	FLANGED OPEN COIL	300	4.5kW	ELEC	10"x8"	575/3/60	4.5kW	THERMOLEC SC	
DH-4	FLANGED OPEN COIL	300	4.5kW	ELEC	10"x8"	575/3/60	4.5kW	THERMOLEC SC	
DH-5	FLANGED OPEN COIL	300	4.5kW	ELEC	10"x8"	575/3/60	4.5kW	THERMOLEC SC	

UTILITY WATER AND GAS METERS INCLUDED IN THIS SCOPE:

- 1 1/2" UTILITY WATER METER - REPLACE WITH NEW
- 1 GAS UTILITY METER - INCREASE CAPACITY AS REQUIRED

COORDINATE WITH AHJ FOR SUPPLY NEW WATER METER.

COORDINATE WITH GAS UTILITY FOR NEW METER AS REQUIRED TO ACCOMMODATE INCREASED CAPACITY.

NEBB CERTIFIED CONTRACTOR SHALL RECORD EXISTING AIRFLOWS FOR SPECIFIC EQUIPMENT AND DEVICES PRIOR TO DEMOTION.

- RECORD CURRENT SUPPLY/EXHAUST AIRFLOW RATES FOR ALL ROOFTOP EQUIPMENT THAT WILL BE REMOVED FOR ROOF REPLACEMENT (REFER TO M2.5)
- RECORD CURRENT SUPPLY AIRFLOW RATES AND DIFFUSER NECK SIZES FOR ALL 2ND FLOOR SUPPLY AIR DIFFUSERS (REFER TO M2.4)

A PORTION OF THIS PROJECT SCOPE SHALL BE INDICATED AS AN IDENTIFIED PRICE IN TENDER. THIS SCOPE INCLUDES NEW HOT WATER SYSTEM WITH NEW HW, AND HW RECIRC MAINS TO SERVE EXISTING 2ND FLOOR SERVRY. SEE SPECIFICATIONS AND PLANS FOR DETAILS.

SANITARY SCOPE: CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE IN COST TO INVESTIGATE CURRENT CONDITION OF BURIED SANITARY SEWER PIPE (MAIN & BRANCHES) THAT SERVE SPACES ALONG SOUTH-EAST PORTION OF BUILDING (REFRIG. ROOM, OLD CHANGE ROOMS, BOILER ROOM, WASHROOMS, ETC). INVESTIGATION SHALL INVOLVE FULL EXCAVATION WITH CAMERA AND VIDEO. ALL VIDEOS SHALL BE LABELLED AND A COPY PROVIDED TO THE CLIENT. THE INVESTIGATION SHALL INCLUDE PLAN MARKUPS IDENTIFYING LOCATIONS OF NOTABLE POOR PIPE CONDITION (LOW POINTS, CORROSION, CRACKING, SEDIMENT COLLECTION, ETC). PIPES TO BE INVESTIGATED ARE IDENTIFIED IN THIS DRAWING PACKAGE.

MECHANICAL CONTRACTOR SHALL CARRY REFRIGERATION CONTRACTOR TOROMONT CIMCO AS SUB CONSULTANT FOR COMPLETION OF REFRIGERATION SYSTEM SCOPE. REFRIGERATION SCOPE WILL BE PAID OUT OF ALLOWANCE INCLUDED IN BID PRICE. SEE SPECIFICATIONS.

TOROMONT CIMCO CONTACT INFO:
BEN THORNTON, 226-337-1874, BTHORNTON@TOROMONT.COM

Item	Description	Item	Description
	ITEM TO BE REMOVED		DRAIN (SCHEMATICS)
	CUT EXISTING & CONNECT NEW PIPING		SCREWED OR WELDED PIPE CAP
	FLOW DIRECTION	NO	NORMALLY OPEN
	POTABLE COLD WATER	NC	NORMALLY CLOSED
	POTABLE HOT WATER		PLUG VALVE
	POTABLE HOT WATER RECIRC.		BALL VALVE
	POTABLE HARD COLD WATER		VALVE ON RISER
	POTABLE SOFT COLD WATER		WATER METER
	EXISTING SAN ABOVE FLOOR		FLOOR CLEANOUT
	EXISTING SAN BELOW FLOOR		LINE CLEANOUT
	SANITARY ABOVE FLOOR		PRESSURE GAUGE
	SANITARY BELOW FLOOR		PRESSURE REDUCING VALVE
	EXISTING STM ABOVE FLOOR		THERMOSTAT (WITH GUARD WHERE INDICATED)
	EXISTING STM BELOW FLOOR		TURNING VANES
	STORM ABOVE FLOOR		SUPPLY AIR DUCT
	STORM BELOW FLOOR		RETURN/EXHAUST AIR DUCT
	CONDENSATE DRAIN		ACOUSTIC DUCT LINING
	VENT		THERMAL INSULATION
	STANDPIPE		BRANCH LINE SPIN-IN COLLAR C/W BALANCING DAMPER
	HEATING WATER SUPPLY		TRUNK MAIN BRANCH COLLAR C/W BALANCING DAMPER
	HEATING WATER RETURN		BALANCING DAMPER
	NATURAL GAS		RECTANGULAR DUCTWORK
	HIGH PRESSURE NATURAL GAS		RIGID ROUND DUCT
	FLOOR DRAIN		FLEXIBLE ROUND DUCT
	TRAP PRIMER		DIFFUSER/GRILLE SIZE (imp), TYPE & CAPACITY (cfm)
	BACKWATER VALVE		HYDRONIC HEATING SIZE, TYPE & CAPACITY
	TEE CONNECTION	RIC	RETURN IN CABINET
	PIPE DOWN	AFF	ABOVE FINISHED FLOOR
	PIPE UP	AFR	ABOVE FINISHED ROOF
	REDUCER/INCREASER		EXISTING DUCT (SIZE AS INDICATED)
	CHECK VALVE	CTE	CONNECT TO EXISTING
	TEMPERATURE CONTROL VALVE (2-WAY OR 3-WAY)		OCCUPANCY SENSOR

A. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PREPARED SPECIFICATION.

B. CONTRACTOR TO INCLUDE COST FOR CONSULTANT TO COMPLETE ELECTRIC CAD AS-BUILT DWGS (ALL PAGES, \$50/PAGE UNLESS HIGH AMOUNT IS INDICATED IN SPECIFICATIONS).

C. ALL PIPING, DUCTWORK, AND EQUIPMENT IS TO BE RESTRAINED TO MEET SEISMIC CODE REQUIREMENTS. SUPPLY AND INSTALL ALL SEISMIC RESTRAINT MATERIALS TO MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO SPECIFICATION.

D. SANITARY WATER PIPING IS NOT SHOWN. PROVIDE ALL NECESSARY WATER PIPING FROM ALL FIXTURES FOR A COMPLETE SYSTEM TO ALL LOCAL PLUMBING CODE & LOCAL AUTHORITY REQUIREMENTS, CONNECTED TO EXISTING VENTS OR NEW VENTS AS REQUIRED. CO-ORDINATE WATER LOCATION(S) WITH GENERAL CONTRACTOR. MAINTAIN MIN 14"-0" FROM ANY AIR INLET. INSTALL VENT PIPING HIGH IN JOIST SPACE.

E. UPON COMPLETION OF THE PROJECT OR UPON COMPLETION OF EACH INDIVIDUAL PHASE OF THE PROJECT THE CONSULTANT SHALL PROVIDE THE FOLLOWING CERTIFICATES BEFORE PERFORMANCE LETTERS ARE ISSUED BY THE CONSULTANT:

- POTABLE WATER TEST (SEE SPEC 15142/22 11 16 PART 3)
- BACKFLOW TEST CERTIFICATE (CO) FOR ALL TESTABLE DEVICES
- COPY OF MANDATORY TSSA (22A-B1) GAS PRESSURE TEST TAG
- TSSA CERTIFICATE OF AUTHORIZATION FOR REFRIGERATION SYSTEMS (EXCEEDING 3 TONS REFRIGERATION SCOPE FOR ICE PLANT PRESSURE VENTING REVISION)

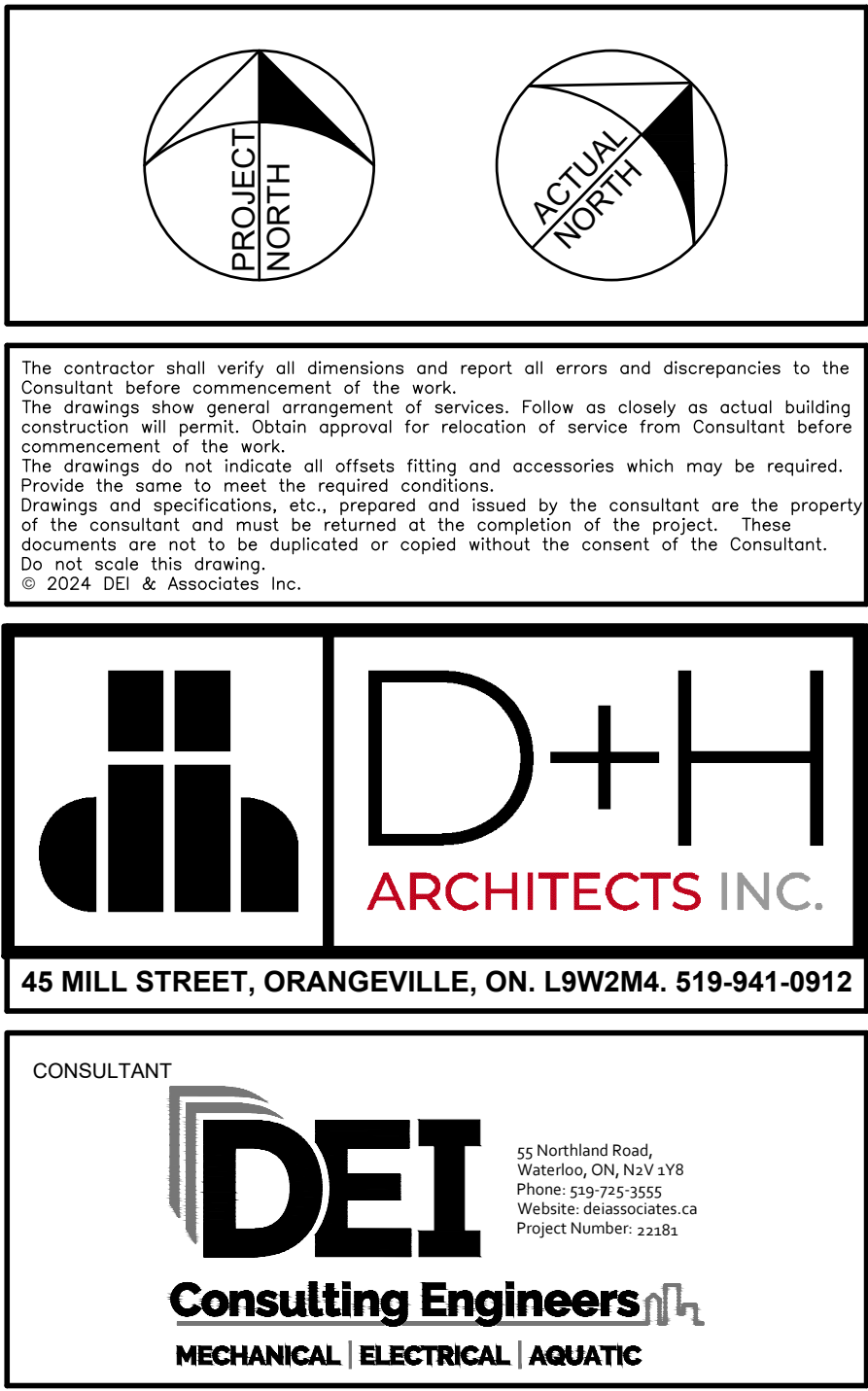
ISSUE A REPORT FOR NEW BOILER/PRESSURE VESSEL INSTALLATION

ALL CERTIFICATES ARE TO BE SUBMITTED TOGETHER IN A SINGLE PACKAGE.

THIS PROJECT SCOPE INVOLVES REMOVAL OF GAS PIPING THAT SERVES THE ADJACENT SCHOOL PORTION OF THE BUILDING. THE SCHOOL IS OWNED AND OPERATED BY UGDSB. MECHANICAL CONTRACTOR SHALL COORDINATE WITH UGDSB PRIOR TO ANY REMOVAL OF GAS SERVICES.

UGDSB CONTACT:
Blair Capling, Capital and Renewal Projects Manager, Upper Grand District School Board
500 Victoria Road North, Guelph, N1E 6K2, Tel: 519-820-3440

THIS PROJECT SHALL OCCUR DURING PERIODS OF TIME WHEN HOT WATER SUPPLY TO THE BUILDING MUST BE MAINTAINED. INCLUDE IN CONTRACT PRICE ALL COSTS TO SUPPLY AND INSTALL 3 TEMPORARY ELECTRIC WATER HEATERS TO MAINTAIN DOMESTIC HOT WATER WHILE GAS SERVICE IS INTERRUPTED. WATER HEATERS SHALL BE 60 GALLON, 2x 3 KW ELEMENTS. CONFIRM INSTALLED LOCATION AND PIPING ONCE CONTRACT IS AWARDED.



MARCH 20 2007	ISSUED FOR BIDDING PERMIT						
	DATE	REVISION			DATE	REVISION	
				21-159			
				NOV 2022			
				DRAWN BY RP			
				CHECKED JA			
				SCALE AS NOTED			
				DATE PLOTTED 3/20/2024			
				DRAWING NO.			
				M1.1			

WATER HEATER SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO
SPECIFICATION FOR CONSTRUCTION STANDARDS,
ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Input		Water Side		Electrical		Manufacturer & Model	Remarks
		Capacity MBH	Medium	Storage Gallons	Recovery gal/h	Voltage	Power		
HWH-1 (EXIST)	LOW EFF. NATURAL DRAFT DHW HEATER	80 MBH	N.G.	100	67.2	120V/1/60	FHP	AO SMITH BT 100 (OLD)	EXISTING – REMOVE COMPLETE
HWH-2 (EXIST)	LOW EFF. NATURAL DRAFT DHW HEATER	75 MBH	N.G.	100	72.8	120V/1/60	FHP	AO SMITH BT 100 (2013)	EXISTING – REMOVE COMPLETE
HWH-1 (NEW)	CONDENSING DIRECT FIRED DHW HEATER	200 MBH	N.G.	100	221	120V/1/60	5.0 A	AO SMITH BTH 199A	CONDENSING N.G. POTABLE HOT WATER HEATER, UP TO 97% EFFICIENCY, INSULATED TANK MEETING ASHRAE 90.1, C/W T&P VALVE, ASME.
HWH-2 (NEW)	CONDENSING DIRECT FIRED DHW HEATER	200 MBH	N.G.	100	221	120V/1/60	5.0 A	AO SMITH BTH 199A	CONDENSING N.G. POTABLE HOT WATER HEATER, UP TO 97% EFFICIENCY, INSULATED TANK MEETING ASHRAE 90.1, C/W T&P VALVE, ASME.

EXPANSION TANK SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Max. Working Pressure (psig)	Max. Working Temperature (°F)	Total Volume (gal.)	Accept. Volume (gal.)	Diam. (in.)	Height/Length (in.)	System Connection (in.)	Manufacturer & Model	Remarks
ET-1	EXPANSION TANK, HYDRONIC, DIAPHRAGM	125	240	20	11.3	15	33	1"	AMTROL AX-400D	DEEP DRAW HORIZONTAL, ASME, FOR NON-POTABLE CLOSED HYDRONIC HEATING SYSTEM, PROP. GLYCOL TO 50%.
ET-2	EXPANSION TANK ST-201B FOR LEGIONELLA	150	200	16.5	68%	15	25	3/4"	AMTROL ST-201B FOR LEGIONELLA	DEEP DRAW IN-LINE, ASME, FOR POTABLE CLOSED SYSTEM, TO JIS 2801 FOR LEGIONELLA, STAPHYLOCOCCUS, & E-COLI.
ET-3	EXPANSION TANK POTABLE DIAPHRAGM	150	200	16.5	68%	15	25	3/4"	AMTROL ST-30VC-DD	DEEP DRAW IN-LINE, ASME, FOR POTABLE CLOSED SYSTEM, TO JIS 2801 FOR LEGIONELLA, STAPHYLOCOCCUS, & E-COLI.
ET-4	EXPANSION TANK POTABLE DIAPHRAGM	150	200	16.5	68%	15	25	3/4"	AMTROL ST-30VC-DD	DEEP DRAW IN-LINE, ASME, FOR POTABLE CLOSED SYSTEM, TO JIS 2801 FOR LEGIONELLA, STAPHYLOCOCCUS, & E-COLI.

GRILLE SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Equalizing Grid	Volume Damper	Acceptable Manufacturer	Description
D1	SQUARE CEILING DIFFUSER	YES	NONE	EH PRICE SCDA	MULTICONE, FULLY ADJUSTABLE, 24x24, STEEL CEILING DIFFUSER W/ROUND NECK. SUITABLE FOR LAY-IN T-BAR CEILING, OR DRYWALL CEILING WHEN C/W FRAME.
S1	SUPPLY GRILLE	NO	NONE	EH PRICE 520-FLA	DOUBLE DEFLECTION, 3/4" SPACING, STEEL BLADES PARALLEL TO LONG DIMENSION, C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING.
R1	SIDEWALL RETURN GRILLE	NO	NONE	EH PRICE 70-FLA	FIXED BLADE AT 45°, 1/2" SPACING, EXTRUDED ALUMINUM BLADES PARALLEL TO LONG DIMENSION, C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING.
R2	CEILING RETURN GRILLE (DUCTED)	NO	NONE	EH PRICE 80-FA	1/2x1/2x1/2 ALUMINUM EGGRATE CORE, C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING.
E1	SIDEWALL EXHAUST GRILLE	NO	NONE	EH PRICE 535-FLA	FIXED BLADE AT 45°, 1/2" SPACING, STEEL BLADES PARALLEL TO LONG DIMENSION, C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING.
OAL1	DRAINABLE BLADE LOUVER	-	-	EH PRICE DE 439	4" DEEP DRAINABLE BLADE EXTRUDED ALUMINUM FIXED LOUVER, 39° BLADE ANGLE, 886 CFM BEGINNING POINT OF WATER ENTRY PER AMCA 500, ALL WELDED CONSTRUCTION, C/W BIRDSCREEN, 55% FREE AREA ON 4'x4' PANEL, MINIMUM 50% FREE AREA, SIZE PER PLANS.
EAL1	DRAINABLE BLADE LOUVER	-	-	EH PRICE DE 439	4" DEEP DRAINABLE BLADE EXTRUDED ALUMINUM FIXED LOUVER, 39° BLADE ANGLE, 886 CFM BEGINNING POINT OF WATER ENTRY PER AMCA 500, ALL WELDED CONSTRUCTION, C/W BIRDSCREEN, 55% FREE AREA ON 4'x4' PANEL, MINIMUM 50% FREE AREA, SIZE PER PLANS.

GENERAL DIFFUSER/GRILLE NOTES:

1. ACCEPTABLE MANUFACTURERS: EH PRICE, NAILOR, TITUS, KRUEGER, CARNES, METALAIRE, TUTTLE & BAILEY
2. GRILLE COLOURS ARE SELECTED BY ARCHITECT FROM STANDARD COLOUR CHART, UNLESS OTHERWISE NOTED.
3. PAINT INTERIOR OF DUCTWORK BEHIND GRILLE MATT BLACK (WHERE VISIBLE THRU GRILLE).

INDIRECT DOMESTIC HOT WATER HEATER SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Max. Working Pressure (psig)	Max. Working Temperature (°F)	Total Volume (gal.)	Accept. Volume (gal.)	Di. (in.)	Height (in.)	System Connection (in.)	Manufacturer & Model	Remarks
IHHW-1 (EXIST. DEMO)	SINGLE WALL STAINLESS STEEL INDIRECT D/HW HEATER	150	210	119					LOCHINVAR ST119D	VERTICAL INDIRECT HOT WATER HEATER, INSULATION, JACKED, SINGLE WALL STAINLESS STEEL HEAT EXCHANGER, ELEC CONNECTION: 120/1/60, 5A.
IHHW-1 (NEW)	DOUBLE WALL STAINLESS STEEL INDIRECT D/HW HEATER	150	210	113	110	28	60.25	1	LOCHINVAR ST119DW	TANK TO MATCH BOILER MANUFACTURER, VERTICAL INSULATED TANK C/W JACKET, 0.5" STAINLESS LOSS, DOUBLE WALL STAINLESS STEEL HEAT EXCHANGER, RECOVERY: 174 GPH (58°F D/W, 135°F STO, 180°F BOILER RETURN), 174 GPM (180°F D/W, 135°F STO, 180°F BOILER RETURN).

BOILER SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Input MBH	Output MBH	Flue Vent In	Flue Type	Electrical Voltage	Description	Manufacturer & Model	Remarks
B-1	CAST IRON HYDRONIC BOILER (EXIST. DEMO)	300	240	6	WATER	120/1/60	CAST IRON, STANDARD EFFICIENCY	SLANT-FIN GALAXY G0300HXPE	DRAFT CONTROLLED BOILER, NON CONDENSING, WITH POWER VENT ADAPTOR
B-1 (NEW)	S.S. FIRE TUBE HYDRONIC CONDENSING BOILER3	400	392	6	WATER	120/1/60	STAINLESS STEEL HIGH EFFICIENCY CONDENSING	LOCHINVAR FT4X00NM13	CONDENSING MODULATING BURNER CONTROL, ON-BOARD PROGRAMMABLE MULTI-INPUT CONTROLLER FOR HYDRONIC SYSTEM AND HOT WATER SYSTEM CONTROLS WITH SETBACKS AND MULTI PUMP CONTROL. UP TO 98% THERMAL EFFICIENCY.

INFRARED RADIANT HEATER SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Length	Input Capacity	Input Medium	Blower Motor	Electrical Voltage	Manufacturer & Model	Remarks
RH-1 (EXIST. DEMO)		20 FT	250 MBH	NATURAL GAS	1 hp	208/3/60	REZNOR UBX-250	EXISTING REMOVE COMPLETE POWER VENTED, ADJUSTABLE BELT DRIVE BLOWER, VIBRATION ISOLATION, HINGED DOOR
RH-1	INFRARED TUBE	20 FT	125 MBH	NATURAL GAS	fhp	120/1/60	REZNOR VPT	C/W 2 STAGE THERMOSTAT AND VENT KIT
RH-2	INFRARED TUBE	20 FT	125 MBH	NATURAL GAS	fhp	120/1/60	REZNOR VPT	C/W 2 STAGE THERMOSTAT AND VENT KIT

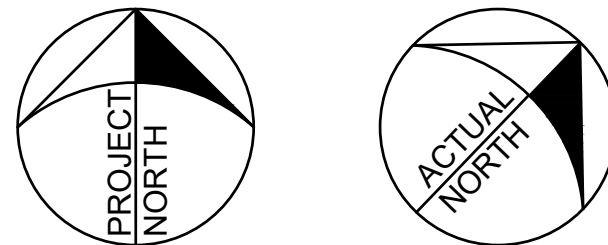
WATER SOFTENER SCHEDULE

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

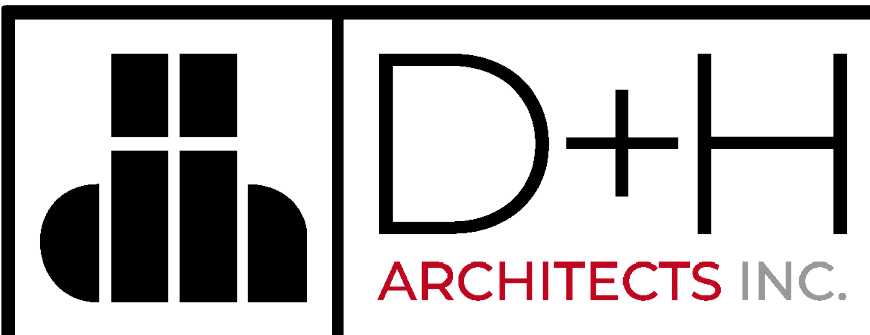
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DEHUMIDIFIER SCHEDULE (COORDINATE SUPPLY BY REFRIGERATION SYSTEM CONTRACTOR)

Item	Type	Airflow			Water Removal			Refrig	Weight lbs	Electrical				Manufacturer & Model	Remarks
		cfm	ESP in. wc	Fan ph	EDB (°F)	% RH	lb/hr			Voltage	FLA	MCA	WCCP		
DHU-1	COMPRESSOR BASED INDOOR DEHUMIDIFIER	3400	0.3	3	50	50%	11.8	R448A	1200	575/3/60	16	20	30	THERMOPLUS AIR IRD-075F	SUPPLY AIR DIFFUSER WITH ADJUSTABLE BLADE, BELT-DRIVE FORWARD CURVED FAN MOTOR, MOUNT ON ELEVATED PLATFORM USING PROPER VIBRATION ISOLATING ANCHORS. MAINTAIN PROPER MAINTENANCE CLEARANCES. REMOTE HUMIDITY SENSOR AT 10FT ABOVE ICE LEVEL. MERV-8 FILTERS ON RETURN AIR.
DHU-2	COMPRESSOR BASED INDOOR DEHUMIDIFIER	3400	0.3	3	50	50%	11.8	R448A	1200	575/3/60	16	20	30	THERMOPLUS AIR IRD-075F	SUPPLY AIR DIFFUSER WITH ADJUSTABLE BLADE, BELT-DRIVE FORWARD CURVED FAN MOTOR, MOUNT ON ELEVATED PLATFORM USING PROPER VIBRATION ISOLATING ANCHORS. MAINTAIN PROPER MAINTENANCE CLEARANCES. REMOTE HUMIDITY SENSOR AT 10FT ABOVE ICE LEVEL. MERV-8 FILTERS ON RETURN AIR.



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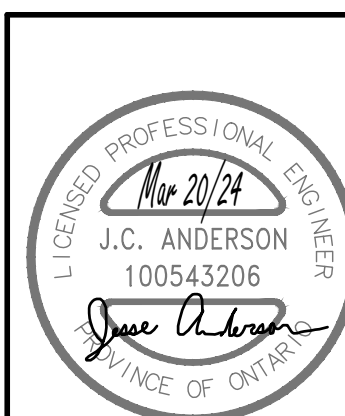
PROJECT RENOVATIONS FOR
ERIN COMMUNITY CENTRE
14 BOLAND DRIVE

ERIN ONTARIO

SHEET TITLE

SCHEDULES

MARCH 20 2024	ISSUED FOR BIC/PERMIT				
△ DATE	REVISION		△ DATE	REVISION	



PROJ. NO.	21-159
DATE	NOV 2022
DRAWN BY	RP
CHECKED	JA
SCALE	AS NOTED
DATE PLOTTED	3/20/2024

DRAWING NO.

M1.2

PLUMBING FIXTURE SCHEDULE												
Item	Type	Connection Sizes					Fixture		Acceptable Manufacturer	Trim	Accessories	
		HW	CW	TW	Drain	Vent	Acceptable Manufacturer	Fixture Description			Acceptable Manufacturer	Trim Description
U-1	URINAL WITH FLUSHING SYSTEM	3/4			2	1 1/2	AMERICAN STANDARD WASHBROOK 6515.005 (NO ALTERNATES)	VITREOUS CHINA, WASHOUT TYPE, INTEGRAL FLUSHING RIM, EXTENDED SHIELDS, INTEGRAL TRAP, BACK OUTLET, WALL-MOUNTED, BACK SUPPLY SPUD, MIN 2" TRAP WAY, MAXIMUM 1.9 litres (0.5 gal) PER FLUSH. C/W FLOOR MOUNTED CARRIER PROVIDE 400 mm (16") LONG x 20ø (3/4"), STAINLESS STEEL FLEXIBLE SUPPLY CONNECTOR		REFER TO SPEC FOR AUTOMATIC URINAL FLUSHING SYSTEM. PROVIDE FLOOR MOUNTED WALL CARRIER (IN TENDER). REUSE EXISTING WALL CARRIER WHERE POSSIBLE.		
L-1	B.F. COUNTER MOUNTED LAV ELECTRONIC FAUCET	1/2	1/2		1 1/4	1 1/4	EXISTING	CONFIRM DISTANCE BETWEEN HOLES PRIOR TO ORDERING FAUCET.	DELTA 591T0230 MOEN COMMERCIAL 8301-AC ZURN Z6915-HW6-XL	HARDWIRED ELECTRONIC FAUCET. CAST BRASS ONE PIECE BODY WITH INTEGRAL WATER PROOF INFRA-RED SENSOR AND CONNECTOR. ADJUSTABLE SENSING RANGE 76mm TO 381mm (3" TO 15") AND TIME OUT 15 TO 75 SECONDS CHROME FINISH. VANDAL RESISTANT AERATOR HAVING INTEGRAL FLOW CONTROL FOR 1.5gpm (5.7 L/MIN) @ 413 kPa (60 PSI) MAX. UNDER COUNTER PLASTIC SURFACE MOUNTED HOUSING FOR SOLENOID AND CONTROLLER. SENSOR ACTIVATES IN PRESENCE OF PERSON'S HANDS IN LAVATORY. C/W PLUG-IN TRANSFORMER.	EXISTING	EXISTING
S-1	STAINLESS STEEL HAND WASH SINK (ACCESSIBLE, LEVER HANDLE)	1/2	1/2		1 1/2	1 1/4	KINDRED QLS1515 NOVANNI	SINK: SINGLE COMPARTMENT, LEDGE-BACK. FROM 1.2mm (18 GAUGE) THICK TYPE 304 STAINLESS STEEL, SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZE: 380 mm X 390 mm X 150 mm (15" x 15 1/4" x 6"). SINGLE HOLE.	DELTA 27C4833 ZURN Z812B1 MOEN COMMERCIAL 8272	FAUCET: CHROME PLATED BRASS, WITH GOOSENECK SPOUT, AERATOR, INDEX LEVER HANDLES, WASHERLESS CONTROLS, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 5.7 l/min (1.5 gpm) AT 413 kPa (60 PSI), 8" CENTRES. 0-90° MAXIMUM SPOUT SWIVEL AND LEVER HANDLE.		WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT. THERMOSTATIC MIXING VALVE UNDER COUNTER, DELTA R2470-MIX OR EQUAL.
S-2	STAINLESS STEEL ICE SINK (EXISTING REMOVE/REINSTALL)	-	-		1 1/2 (TO HUB DRAIN)	-	EXISTING	SINK: EXISTING, SINGLE COMPARTMENT, STAINLESS STEEL, SELF-RIMMING. BASIN DIMS: 510 mm X 26 mm X 150 mm (20" x 26" x 345"), W/ PERFORATED ICE DRAIN IN BOTTOM AND SINGLE DRAIN OUTLET.	NO FAUCET	NO FAUCET		WASTE FITTING: PROVIDE NEW STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT.
DS-1	STAINLESS STEEL DOUBLE SINK	1/2	1/2		1 1/2	1 1/4	FRANKE D0814P-1 NOVANNI	SINK: DOUBLE COMPARTMENT, UNDERMOUNT, FROM 1.2 mm (18 GAUGE) THICK TYPE 304 STAINLESS STEEL, UNDERCOATED, CLAMPS. OVERALL SIZES: 990 mm X 560 mm X 355 mm (39" X 22" X 14").	T&S BRASS B-0133-12CRBCF1	PRE-RINSE UNIT (WALL FAUCET W/ SPRAY HOSE & HEAD): 8" WALL MOUNT CHROME PLATED BRASS MIXING FAUCET W/ 12" SWING SPOUT, AERATOR, QUARTER-TURN LEVER HANDLES, WASHERLESS CONTROLS. ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 kPa (60 psi), 44" FLEXIBLE STAINLESS STEEL HOSE, 0.65 GPM LOW-FLOW SPRAY VALVE, IN-LINE CHECK VALVES, 6" WALL BRACKET.		WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT.
FD-1	FLOOR DRAIN				NOTED	1 1/2	ZURN ZN415B MIFAB F1100-C CONTOUR C2000-R6 WATTS FD-100-C-A	GENERAL DUTY CAST IRON BODY, ADJUSTABLE HEAD, NICKEL BRONZE STRAINER, INTEGRAL SEEPAGE PAN, AND CLAMPING COLLAR. USE SQUARE STRAINER IN TILED AREAS AND ROUND STRAINER ELSEWHERE. C/W TRAP PRIMER				
FFD-1	FUNNEL FLOOR DRAIN				NOTED	1 1/2	ZURN ZN-415-BF MIFAB F1100-C-EG CONTOUR C2000-RSHNB WATTS FD-100-C-EG-1	COMBINATION FUNNEL FLOOR DRAIN CAST IRON BODY WITH INTEGRAL SEEPAGE PAN, CLAMPING COLLAR, NICKEL-BRONZE ADJUSTABLE HEAD STRAINER WITH INTEGRAL FUNNEL. C/W TRAP PRIMER.				
HD-1	HUB DRAIN				NOTED	1 1/2	ZURN Z415 C/W Z-400-S MIFAB F1100-C-DD CONTOUR C2000-F WATTS FD-100-C-DD	GENERAL DUTY HUB DRAIN CAST IRON BODY, CLAMPING COLLAR, NICKEL-BRONZE ADJUSTABLE HEAD HUB. C/W TRAP PRIMER.				
RD-1	ROOF DRAIN				NOTED		ZURN ZA121-CR MIFAB R1200-BU CONTOUR C1000DMP WATTS RD-100-BED-K SMITH 1015-C-R-AD	STANDARD ROOF DRAIN WITH CAST IRON BODY WITH ALUMINUM DOME, UNDER-DECK CLAMP TO SUIT ROOF CONSTRUCTION, ROOF SUMP RECEIVER, FLASHING CLAMP RING WITH INTEGRAL GRAVEL STOP.				
EW-1	EYE WASH	1/2	1/2		1 1/4	1 1/4	HAWS 7260BT-7270BT BRADLEY S19-220 GUARDIAN G1750P-TMV	250 MM (10") DIAMETER IMPACT RESISTANT BOWL CHROME PLATED BRASS SPRAY HEADS COMPLETE WITH COVERS, AND WALL MOUNTING BRACKET. TEPID WATER MIXING VALVE MEETING REQUIREMENTS OF ANSI STANDARD Z358.1-2004. MIXING VALVE IS TO PROVIDE WATER TEMPERATURE BETWEEN 15.5°C (60°) AND 38°C (100°F). 15 MM (1/2") CHROME PLATED BRASS STAY OPEN BALL VALVE COMPLETE WITH PUSH HANDLE.			HAWS TWBS,EWE BRADLEY S19-2000 GUARDIAN G3600	TEMPERING VALVE TO BLEND HOT AND COLD WATER TO DELIVER TEPID WATER. AS REQUIRED BY ANSI Z358.1
ES-1	EMERGENCY SHOWER/EYE WASH (EXISTING)	1	1				EXISTING	EXISTING COMBINATION SHOWER AND EYE/FACE WASH. MIXING VALVE IS TO PROVIDE WATER TEMPERATURE BETWEEN 15.5°C (60°) AND 38°C (100°F) & UNIVERSAL SAFETY SIGN.			TEMPERING VALVE SUPPLIER TO MATCH SHOWER HAWS TWBS,SHE BRADLEY S19-2200 GUARDIAN G3800	TEMPERING VALVE TO BLEND HOT AND COLD WATER TO DELIVER TEPID WATER. AS REQUIRED BY ANSI Z358.1
MS-1	MOP SINK	1/2	1/2		3	1 1/2	FIAT MSB 2424 ZURN 1996-24 STERN WILLIAMS MTB-2424	SINK: MOLDED HIGH DENSITY COMPOSITE BASIN WITH 80 mm (3") CHROME PLATED CAST BRASS DOME STRAINER AND GASKETED OUTLET CONNECTION. OVERALL SIZE: 600 mm X 600 mm X 250 mm HIGH (24" X 24" X 10").	FIAT 830-AA ZURN Z842M1-SH DELTA 2879	WALL MOUNTED FAUCET: CHROME PLATED CAST BRASS WALL MOUNTED FAUCET WITH WALL BRACE, 20 mm (3/4") THREADED OUTLET SPOUT WITH PAIL HOOK, 200 mm (8") CENTRESET LEVER HANDLES, VACUUM BREAKER, ESCUTCHEONS, UNION INLETS, AERATOR, & INTEGRAL STOP VALVES. PROVIDE ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 KPA (60 psi).	FIAT ZURN STERN WILLIAMS DELTA	HOSE AND HOSE BRACKET: 1200 mm (48") LONG RUBBER HOSE MOP HANGER WALL GUARD: STAINLESS STEEL 600 mm (24") HIGH CONTINUOUS ON ADJACENT WALLS.
HB-1	WALL HYDRANT	3/4					WATTS BD SERIES DELTA WALTEC WILKINS EMCO	20 MM (3/4") DIAMETER BRASS CONSTRUCTION, 200 PSI, 180°F PRESSURE AND TEMPERATURE LIMITS, COMPLETE WITH HOSE CONNECTION, AND WHEEL HANDLE STRAIGHT/ANGLE PATTERN TO SUIT. PROVIDE VACUUM BREAKER COMPLETE WITH HOSE CONNECTION.				

GREASE INTERCEPTOR

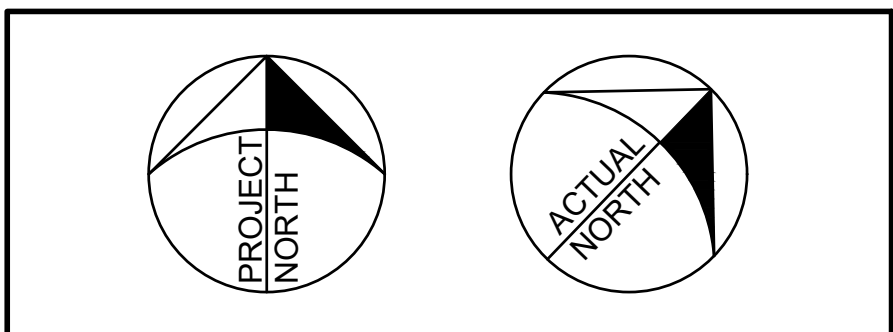
CHILD CARE SERVRY 130 GI-1

DOUBLE SINK (DS-1).
BASIN SIZE: 20x18x14 (inches)
NO. OF BASINS: 2
VOL. OF BASINS: 10,080 in³

GREASE INTERCEPTOR CALC. AS PER OBC 7.4.4.3 (8)

BASIN VOL. IN GAL: 10,080/231 = 43.63 US GAL
DRAIN LOAD: 43.63 GAL/75% = 32.73 GAL
FLOW RATE/DRAIN TIME: 32.73 GAL/2 MIN = 16.4 GPM
CALCULATED FLOW FOR GI: 16.4 GPM.

ACCEPTABLE PRODUCT:
CANPLAS ENDURA 3920A02, 20GPM, 40 LBS GREASE INTERCEPTOR, 2" INLET WITH FLOW RESTRICTOR



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CONSULTANT



55 Northland Road,
Waterloo, ON, N2V 1Y8
Phone: 519-752-3555
Website: deiassociates.ca
Project Number: 22581

MECHANICAL | ELECTRICAL | AQUATIC

PROJECT RENOVATIONS FOR

ERIN COMMUNITY CENTRE


14 BOLAND DRIVE

ERIN ONTARIO

SHEET TITLE

SCHEDULES

MARCH 20 2024	ISSUED FOR BIOPERMIT				
DATE	REVISION	DATE	REVISION		



PROJ. NO. 21-159

DATE NOV 2022

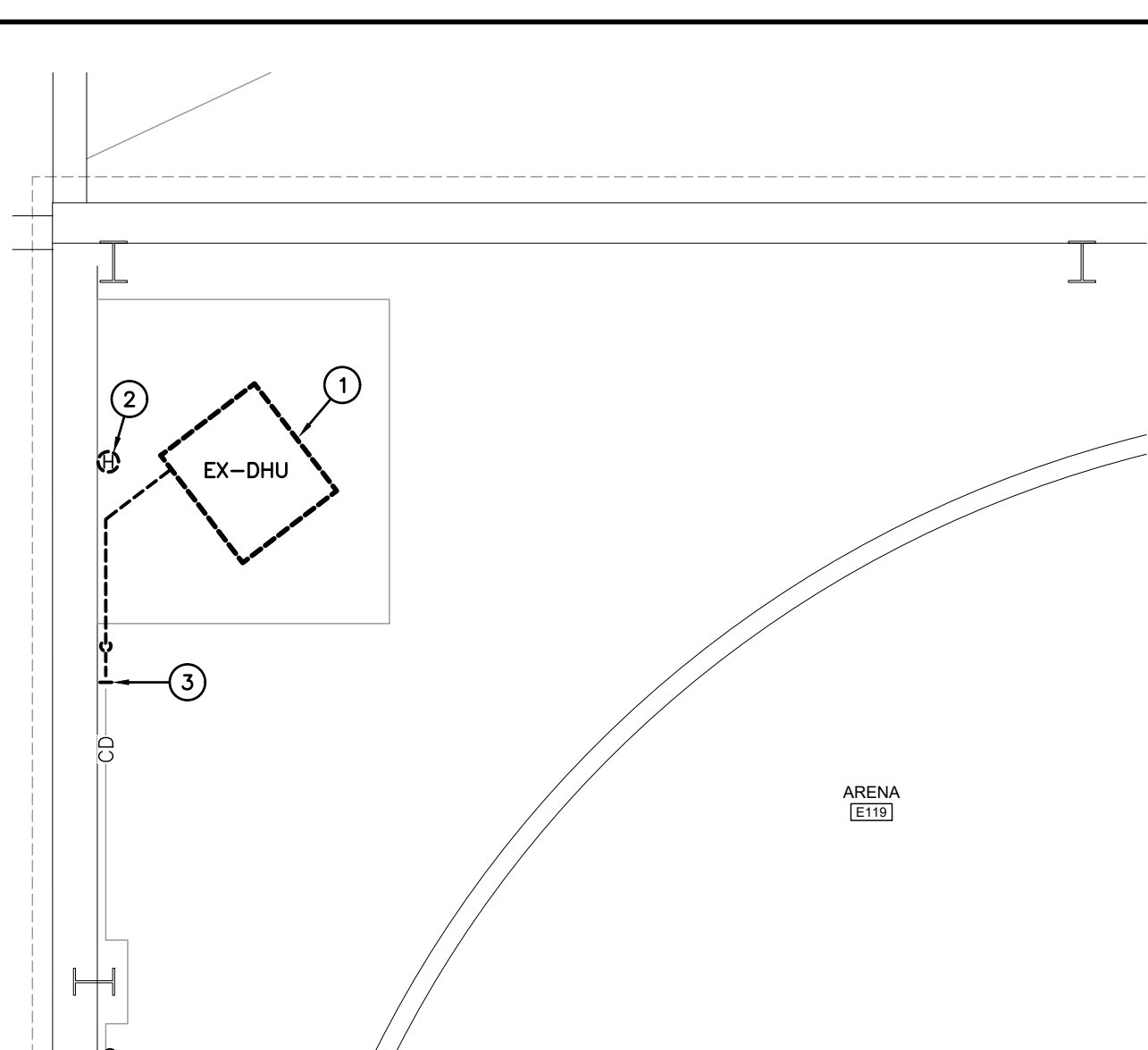
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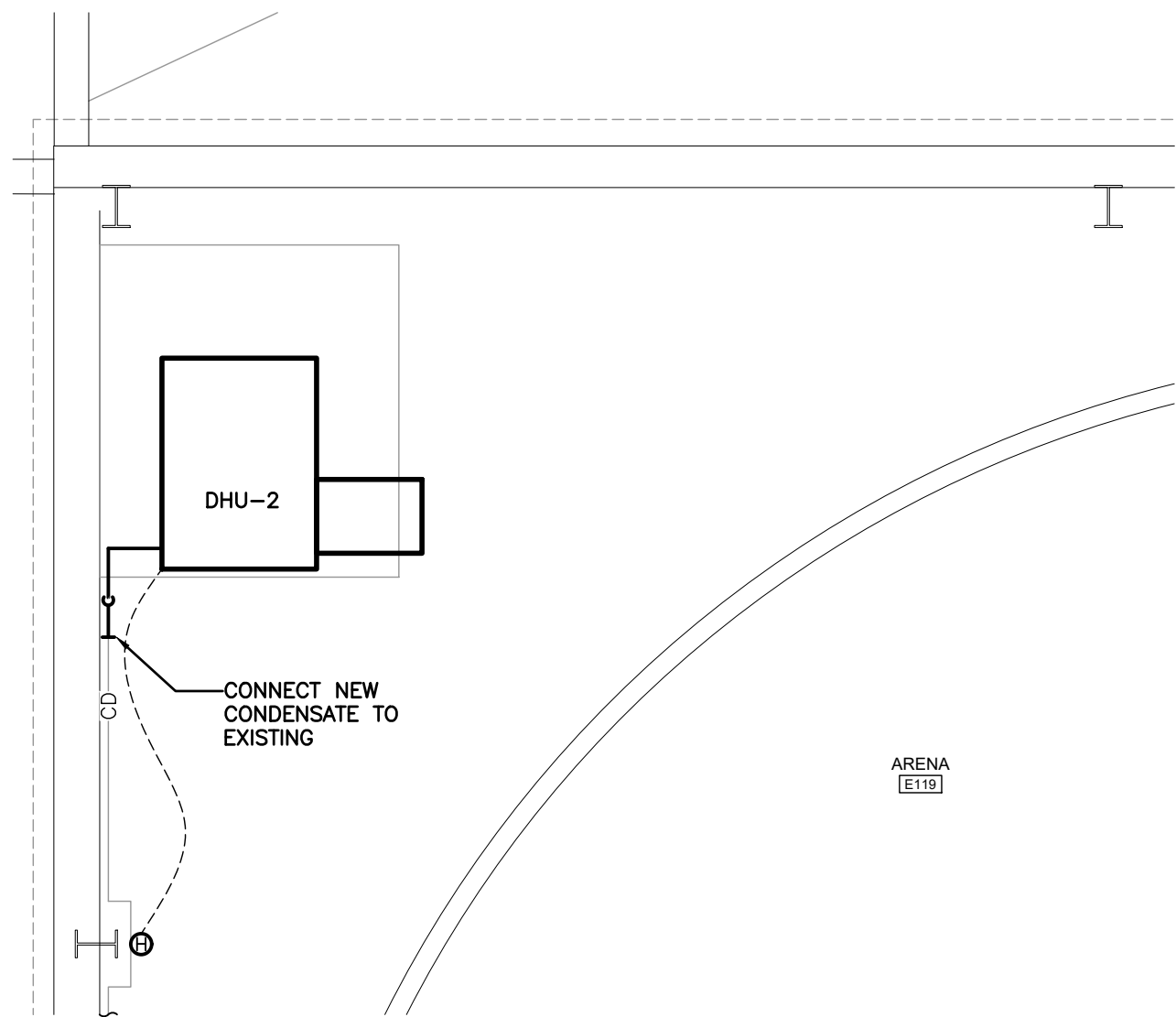
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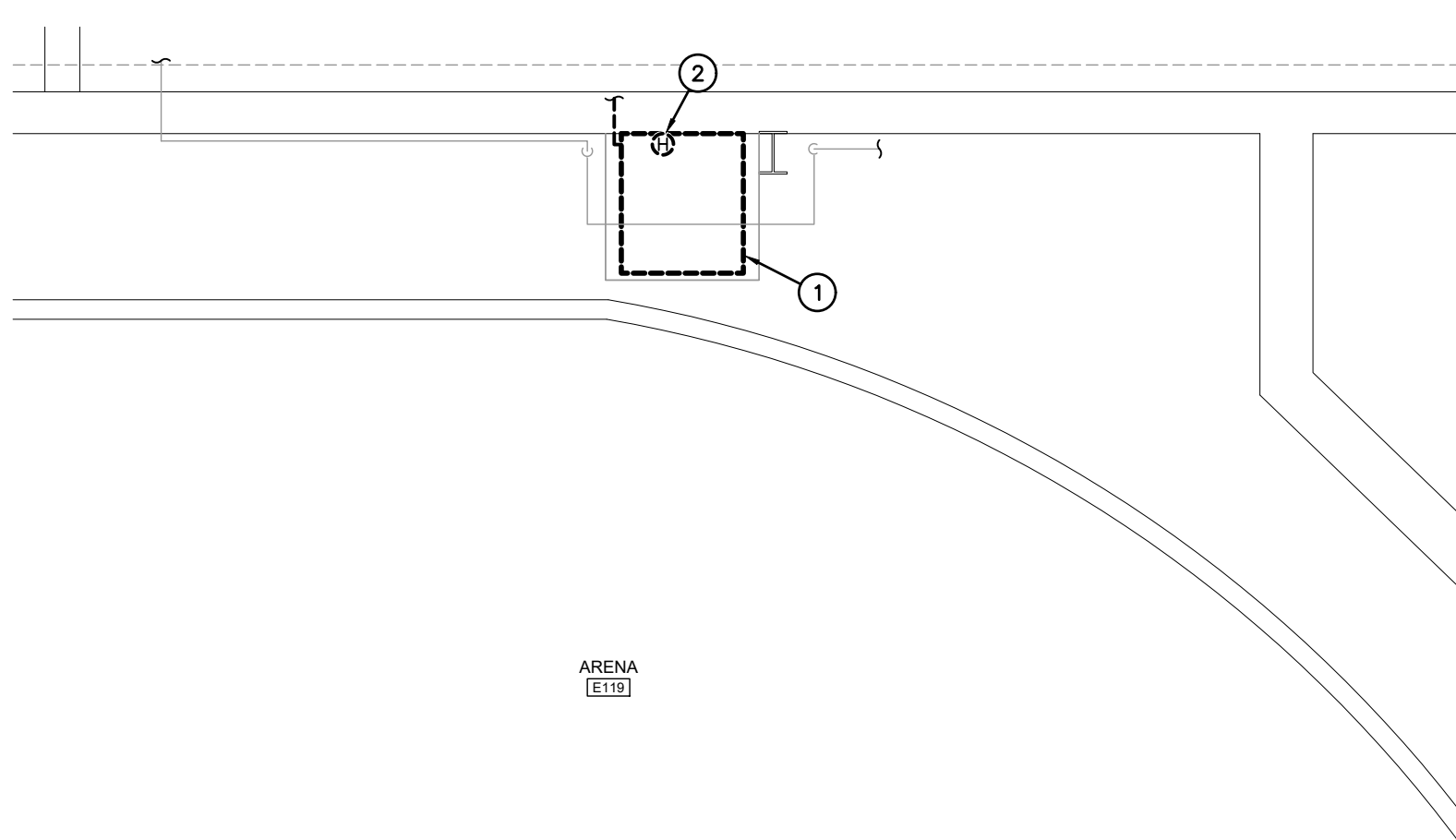
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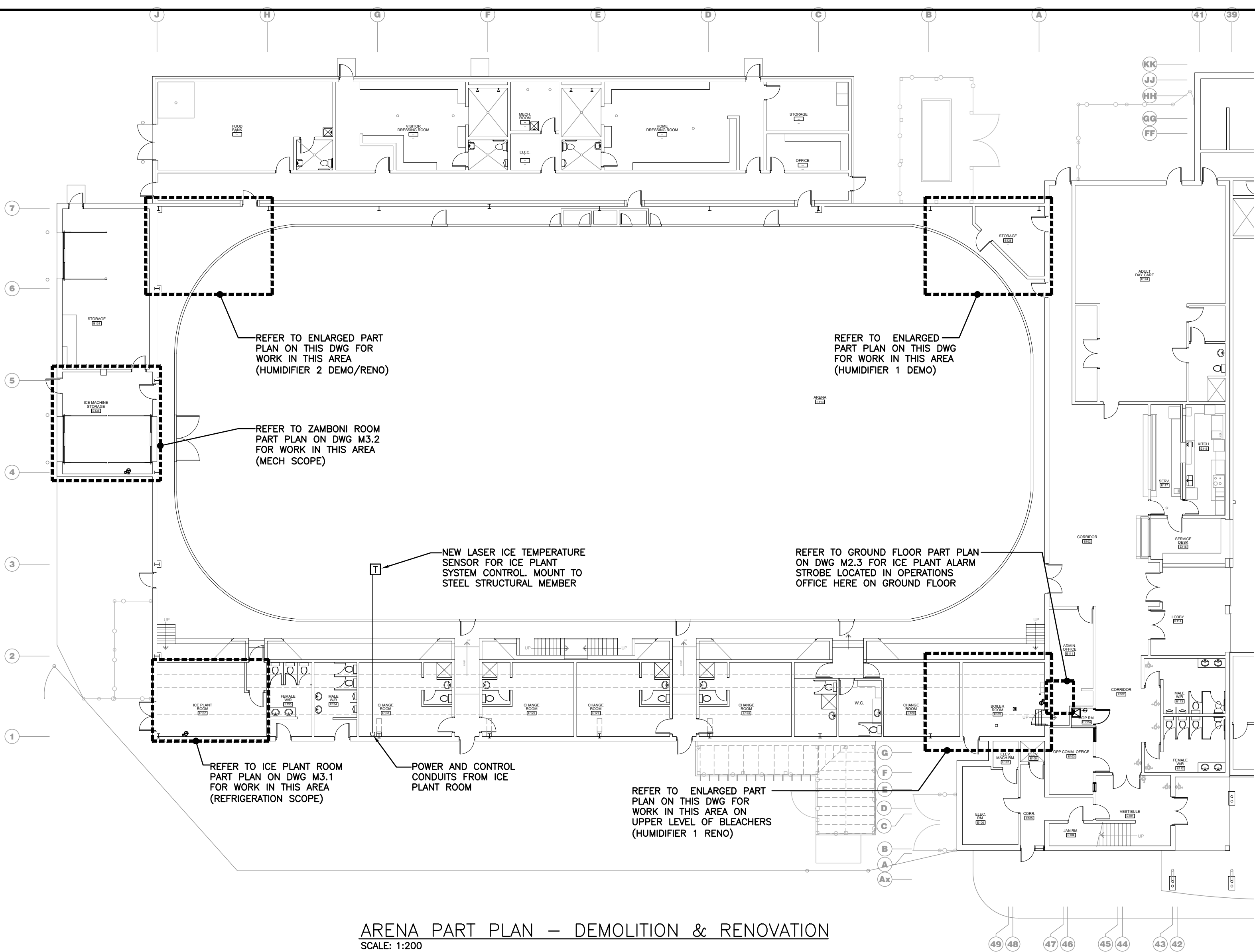
HUMIDIFIER 2 PART PLAN – DEMOLITION
SCALE: 1:50



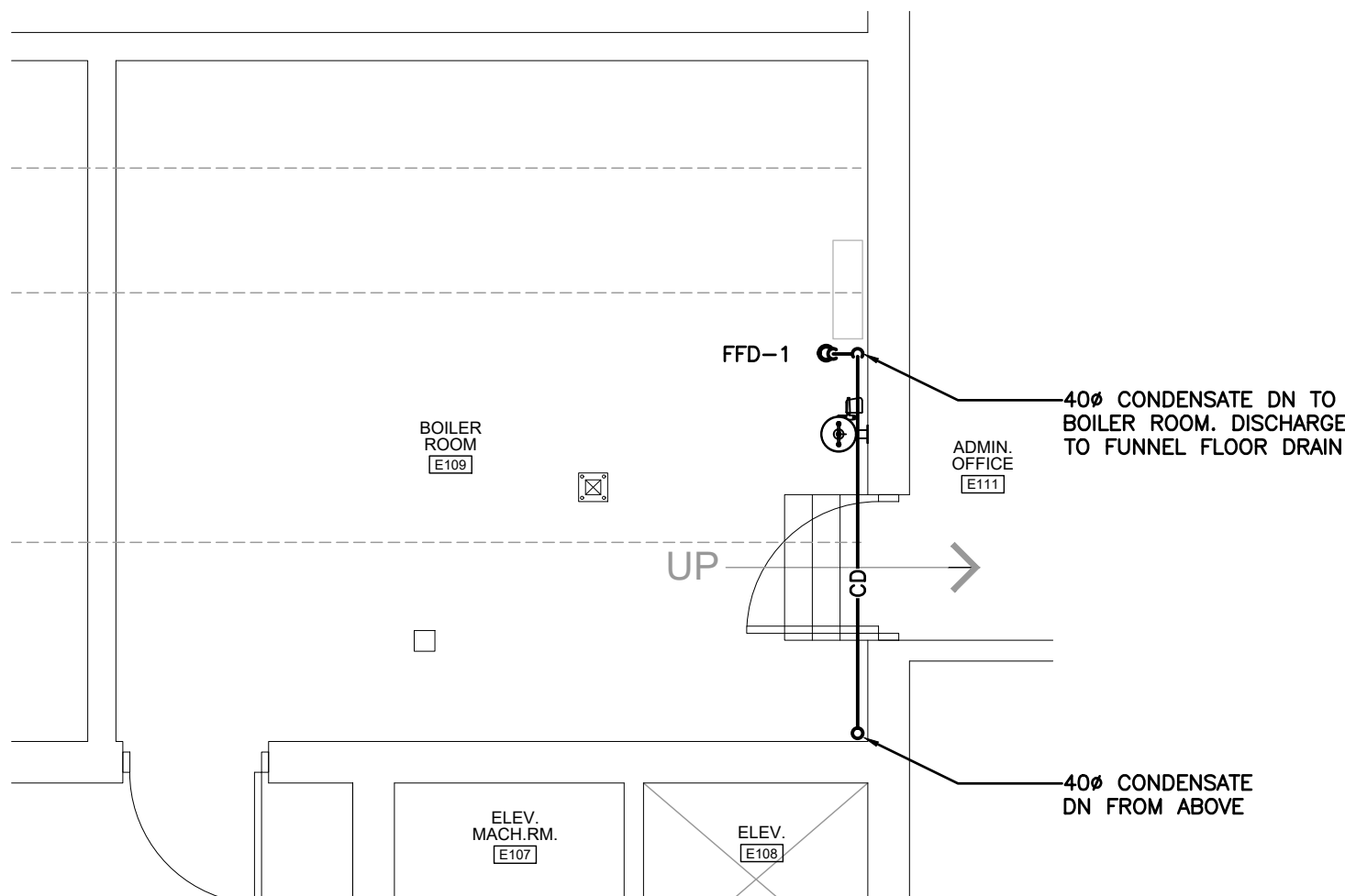
HUMIDIFIER 2 PART PLAN – RENOVATION
SCALE: 1:50



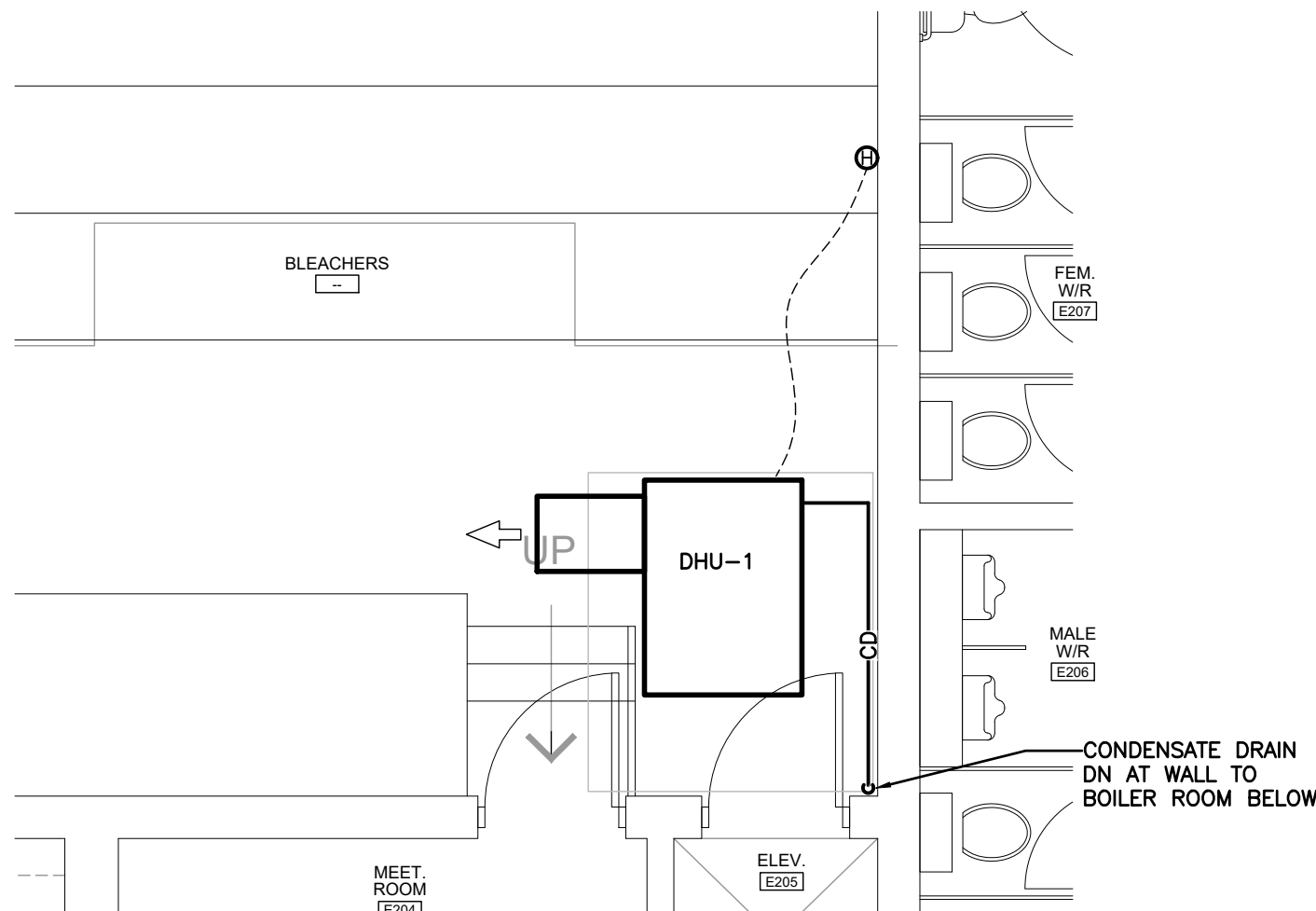
HUMIDIFIER 1 PART PLAN – DEMOLITION
SCALE: 1:50



ARENA PART PLAN – DEMOLITION & RENOVATION
SCALE: 1:200



1ST FLOOR



2ND FLOOR

GENERAL DEMOLITION NOTES

- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
- REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

SPECIFIC DEMOLITION NOTES

- EXISTING DEHUMIDIFIER TO BE REMOVED COMPLETE.
- EXISTING HUMIDISTAT TO BE REMOVED COMPLETE.
- EXISTING CONDENSATE DRAIN TO BE CUT AND REMOVED BEYOND COMPLETE. PREPARE FOR NEW CONNECTION.

GENERAL RENOVATION NOTES

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REFRIGERATION CONTRACTOR SCOPE

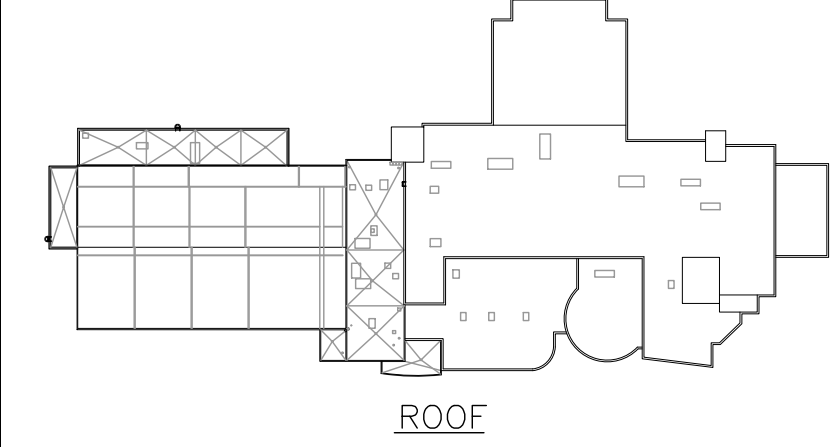
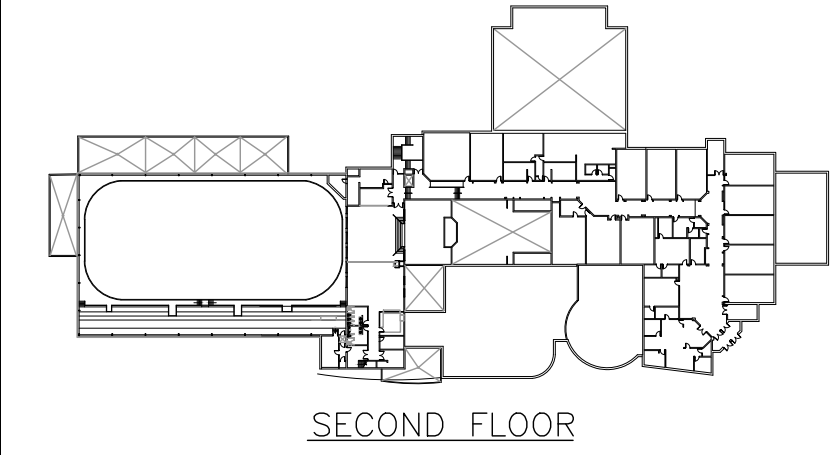
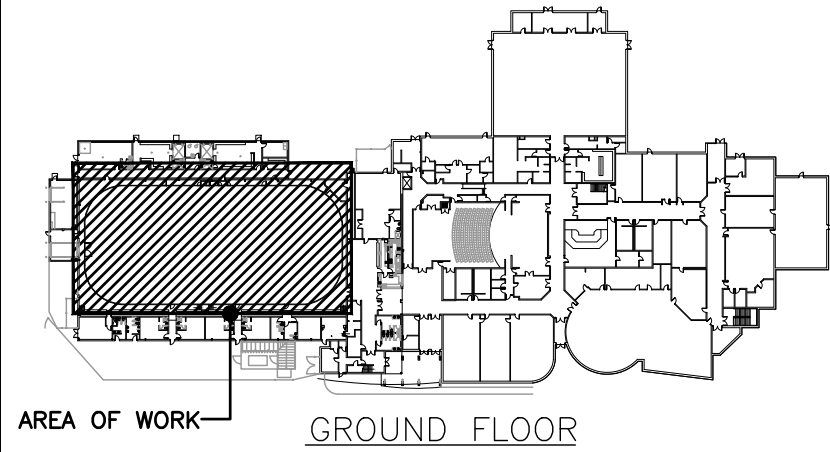
MECHANICAL CONTRACTOR TO CARRY REFRIGERATION CONTRACTOR AS SUB CONTRACTOR FOR REFRIGERATION SCOPE. ADDITIONAL DETAILS ON M1.2.

REFRIGERATION SCOPE INCLUDES ALL MECHANICAL ITEMS ON THIS SHEET

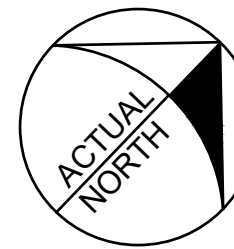
- DHU REMOVAL & REPLACEMENT
- LASER SENSOR INSTALL
- HUMIDISTAT INSTALLATION

WITH EXCEPTION OF

- CONDENSATE DRAINS (MECH SCOPE)



KEY PLANS



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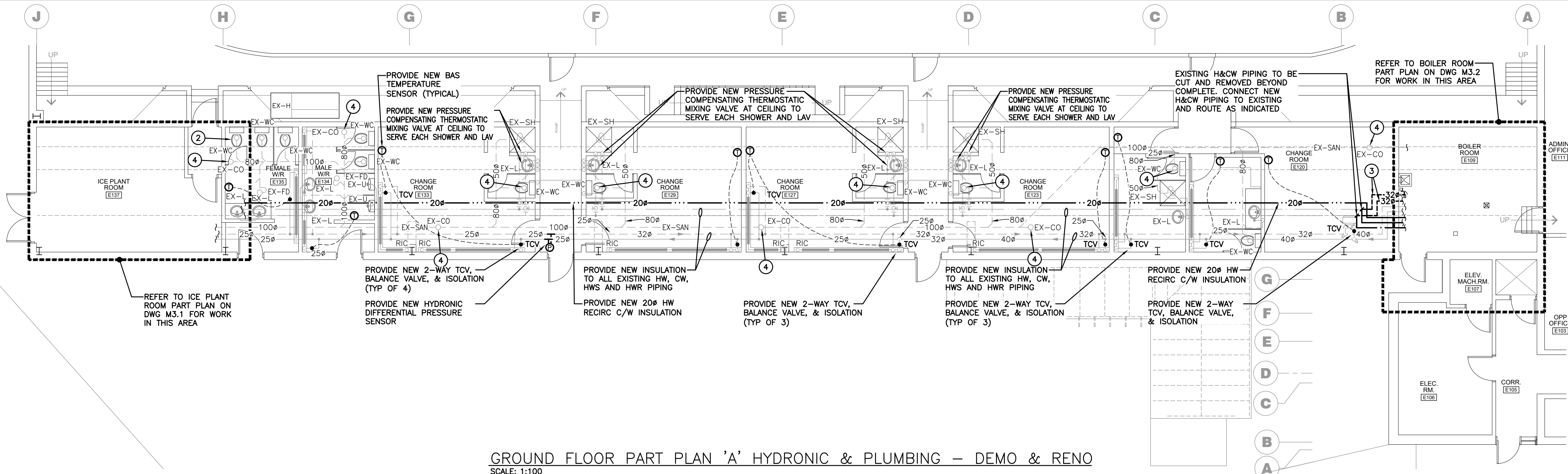
PROJECT RENOVATIONS FOR
ERIN COMMUNITY CENTRE
14 BOLAND DRIVE
ERIN ONTARIO

SHEET TITLE
Arena Part Plans - Demo/Reno

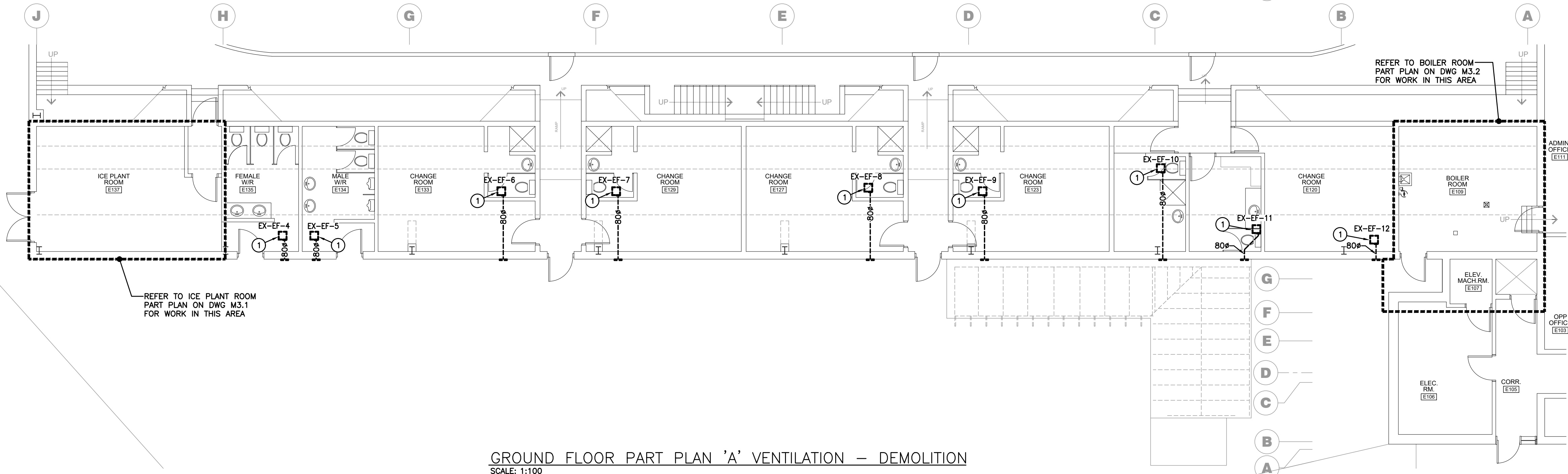
DATE	REVISION	DATE	REVISION
MARCH 20 2024	ISSUED FOR BID/PERMIT		

	PROJ. NO.	21-159
	DATE	NOV 2022
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	CHECKED	JA
	SCALE	AS NOTED
	DATE PLOTTED	3/20/2024

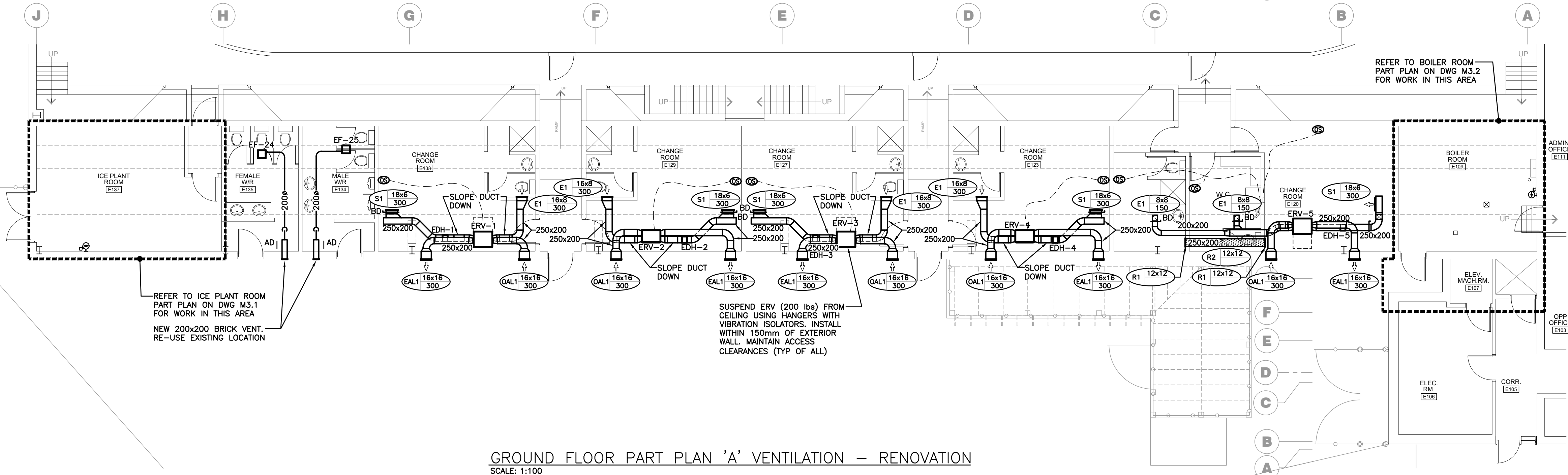
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M2.1



GROUND FLOOR PART PLAN 'A' HYDRONIC & PLUMBING - DEMO & RENO
SCALE: 1:100



GROUND FLOOR PART PLAN 'A' VENTILATION - DEMOLITION
SCALE: 1:100



GROUND FLOOR PART PLAN 'A' VENTILATION - RENOVATION
SCALE: 1:100

GENERAL DEMOLITION NOTES

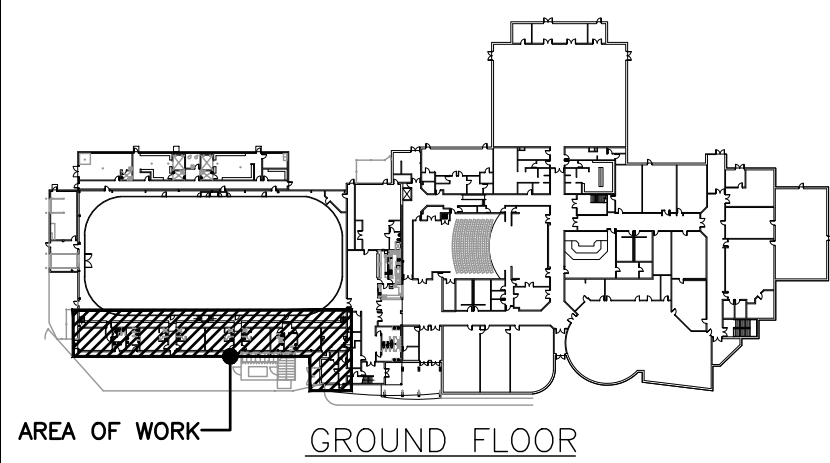
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- MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

SPECIFIC DEMOLITION NOTES

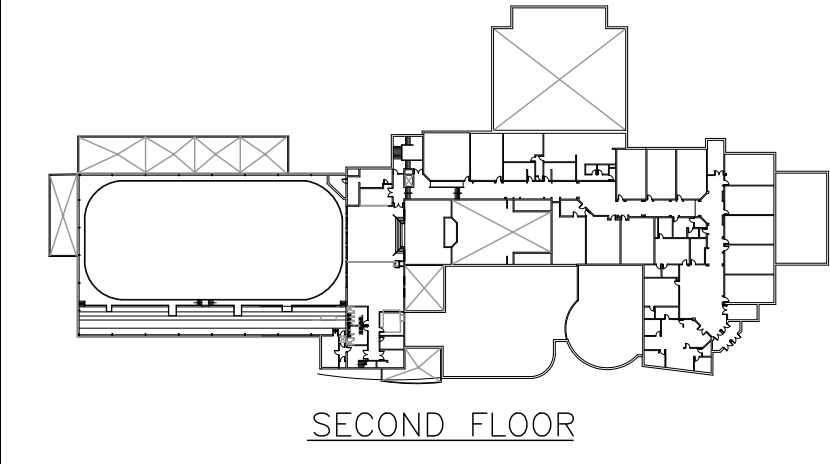
- EXISTING EXHAUST FAN AND ALL ASSOCIATED DUCTWORK TO BE REMOVED COMPLETE. PATCH AND MAKE GOOD WALL OPENING TO MATCH EXISTING.
- REMOVE EXISTING WATERCLOSET. SAW CUT FLOOR TO PREPARE FOR FLOOR DRAIN INSTALLATION.
- CUT EXISTING COPPER HW, CW, HWS, HWR PIPING FOR REROUTING CLOSER TO EXTERIOR WALL.
- CONTRACTOR SHALL FULLY VIDEOTAPE AND FLUSH EXISTING SANITARY SYSTEM. PROVIDE A WRITTEN REPORT COMPLETE WITH VIDEO TIME STAMPS INDICATING AREAS OF FAILED PIPING FOR CONSULTANT AND OWNER TO REVIEW.

GENERAL RENOVATION NOTES

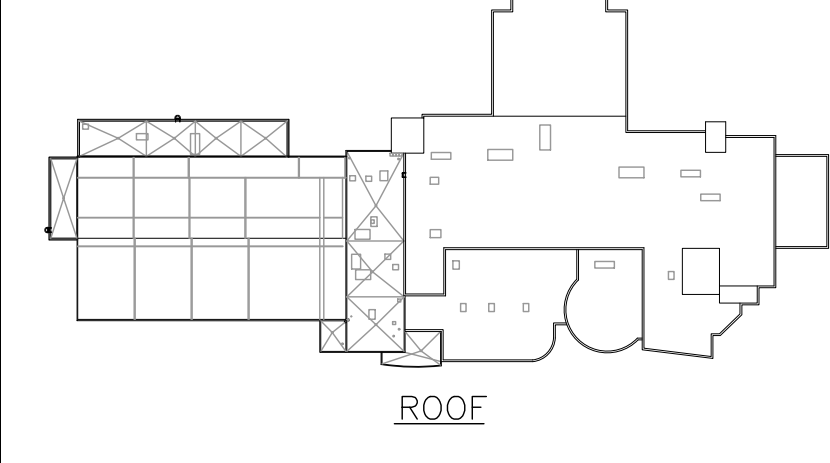
- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.



AREA OF WORK GROUND FLOOR

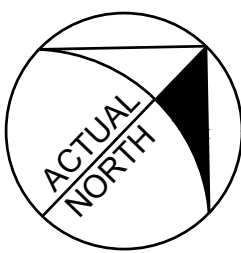
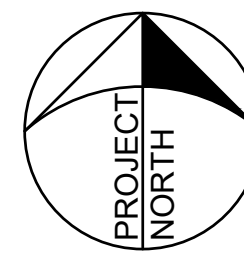


SECOND FLOOR



ROOF

KEY PLANS



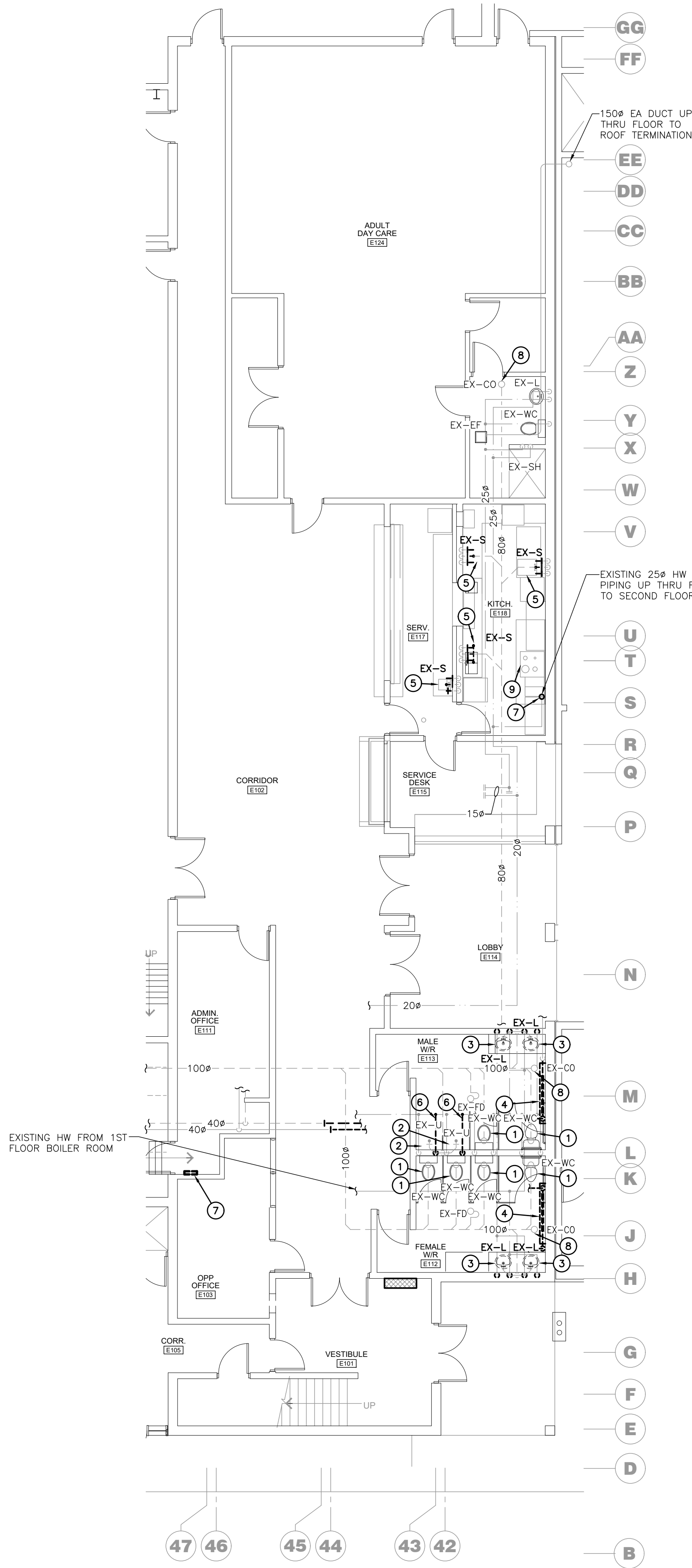
The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing. © 2024 DEI & Associates Inc.



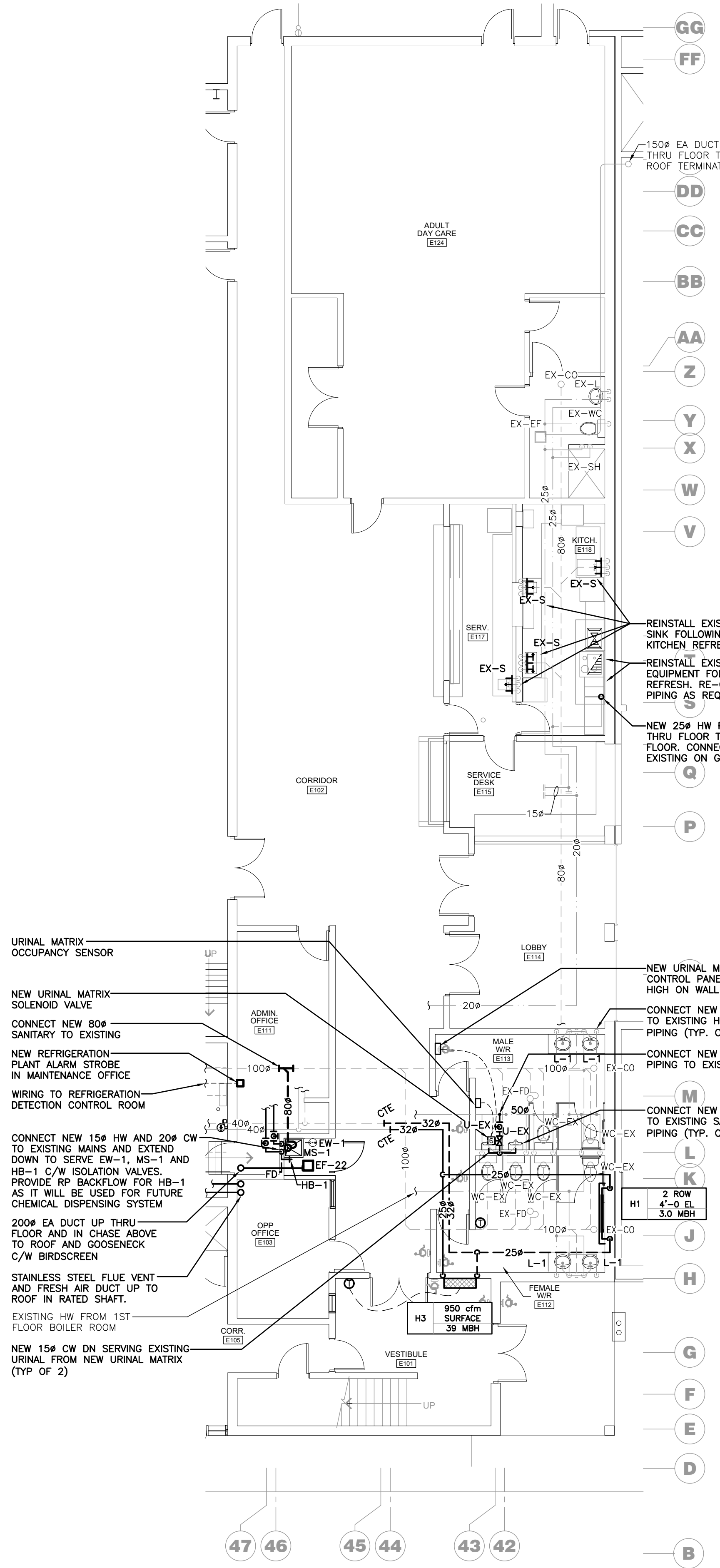
PROJECT RENOVATIONS FOR
ERIN COMMUNITY CENTRE
14 BOLAND DRIVE
ERIN ONTARIO
SHEET TITLE
Ground Floor Part Plans - Area 'A' - Demo/Reno

DATE	REVISION	DATE	REVISION
MARCH 20 2024	ISSUED FOR BID/PERMIT		

PROJ. NO.	21-159
DATE	NOV 2022
DRAWN BY	RP
CHECKED	JA
SCALE	AS NOTED
DATE PLOTTED	3/20/2024
DRAWING NO.	M2.2



GROUND FLOOR PART PLAN 'B' PLUMBING & HVAC – DEMO
SCALE: 1:100

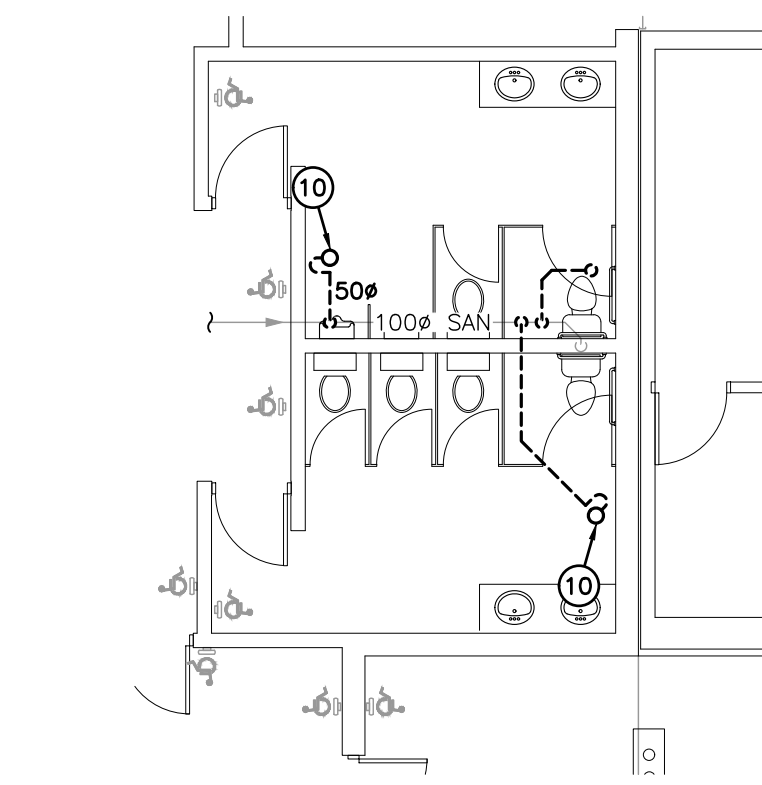


GROUND FLOOR PART PLAN 'B' PLUMBING & HVAC – RENO
SCALE: 1:100

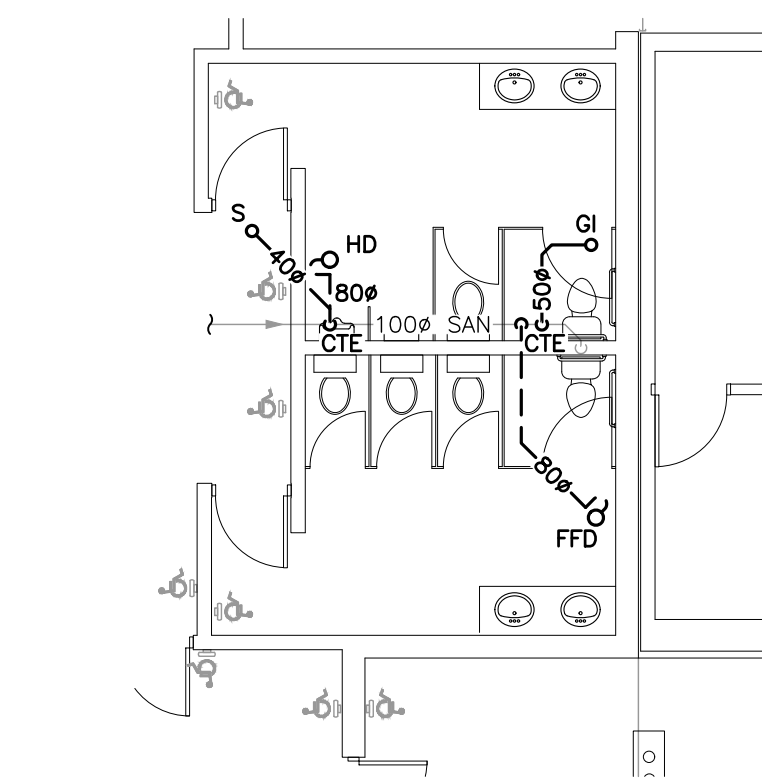
- GENERAL RENOVATION NOTES**
- A. EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
 - B. EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
 - C. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.

- GENERAL DEMOLITION NOTES**
- A. EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
 - B. EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
 - C. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
 - D. ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
 - E. PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
 - F. REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
 - G. MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
 - H. INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
 - I. THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

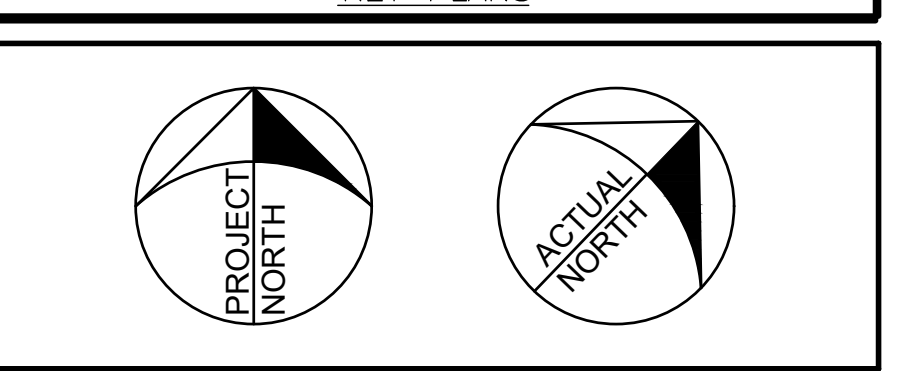
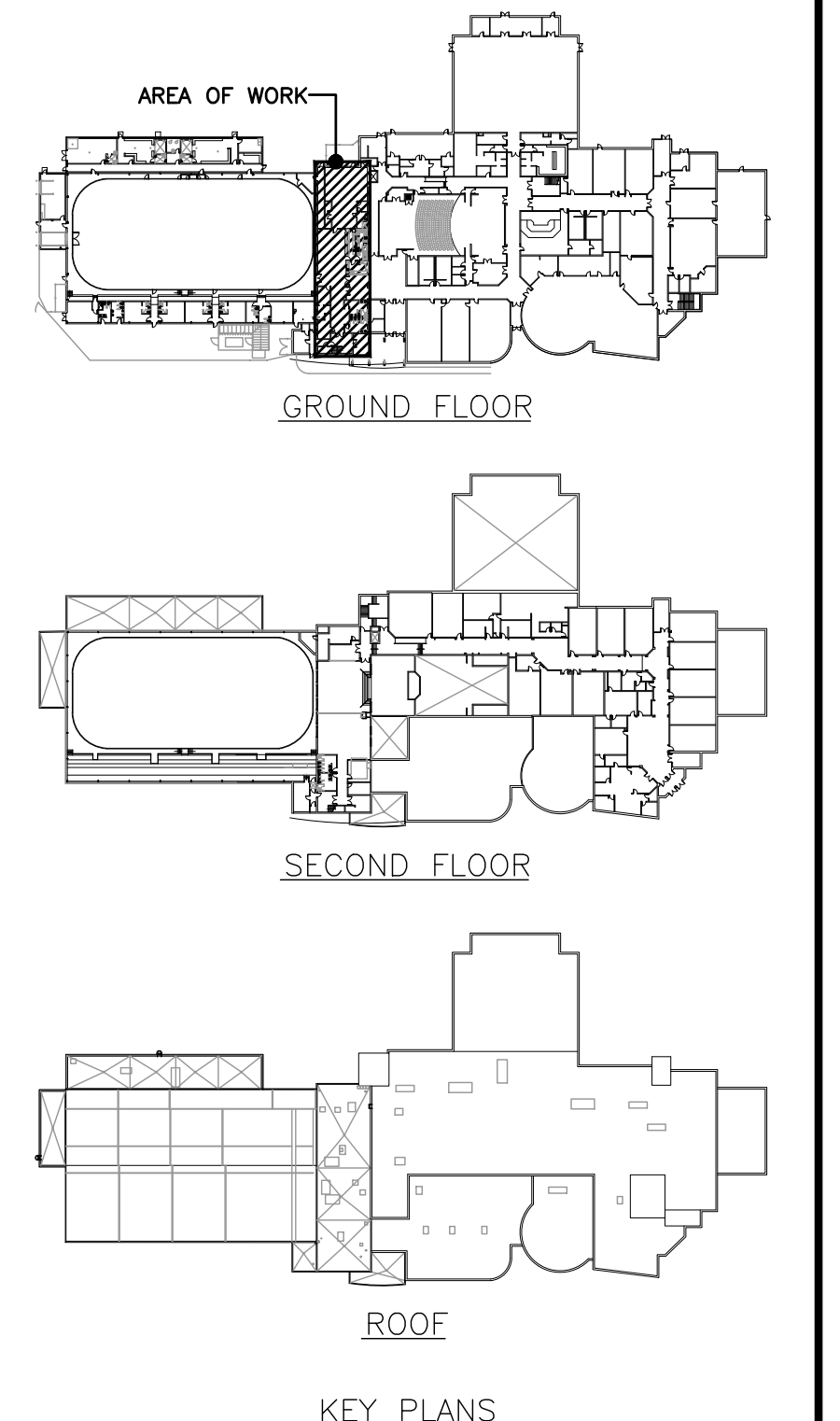
- SPECIFIC DEMOLITION NOTES**
- 1. EXISTING WC TO REMAIN.
 - 2. EXISTING URINAL TO REMAIN. CUT EXISTING CW FEED TO URINALS. NEW CW FEED WILL BE FROM URINAL MATRIX.
 - 3. EXISTING LAVATORY FAUCET TO BE REMOVED COMPLETE. RETAIN CW & HW CONNECTIONS FOR CONNECTION OF NEW FAUCET.
 - 4. EXISTING RADIANT HEATER TO BE REMOVED COMPLETE. REMOVE HWS & HWR PIPING ISOLATION VALVES FOR INSTALLATION OF NEW VALVES.
 - 5. EXISTING STAINLESS STEEL COMMERCIAL KITCHEN SINK TO BE REMOVED INTACT. EXISTING SINK TO BE REINSTALLED FOLLOWING KITCHEN REFRESH.
 - 6. EXISTING CW PIPING TO BE REMOVED COMPLETE.
 - 7. REMOVE EXISTING ANALOG GAS SYSTEMS GAS MONITOR FOR AMMONIA SYSTEM (REFRIGERATION SCOPE)
 - 8. CONTRACTOR SHALL FULLY VIDEOTAPE AND FLUSH EXISTING SANITARY SYSTEM. PROVIDE A WRITTEN REPORT COMPLETE WITH VIDEO TIME STAMPS INDICATING AREAS OF FAILED PIPING FOR CONSULTANT AND OWNER TO REVIEW.
 - 9. EXISTING KITCHEN EQUIPMENT TO BE REMOVED INTACT. EXISTING EQUIPMENT TO BE REINSTALLED FOLLOWING KITCHEN REFRESH.
 - 10. REMOVE EXISTING SAN BRANCH (AND TRAP) AT CEILING AS SHOWN FOR REPLACE WITH NEW.



GROUND FLOOR WASHROOMS ABOVE GROUND SANITARY – DEMO
SCALE: 1:100



GROUND FLOOR WASHROOMS ABOVE GROUND SANITARY – RENO
SCALE: 1:100



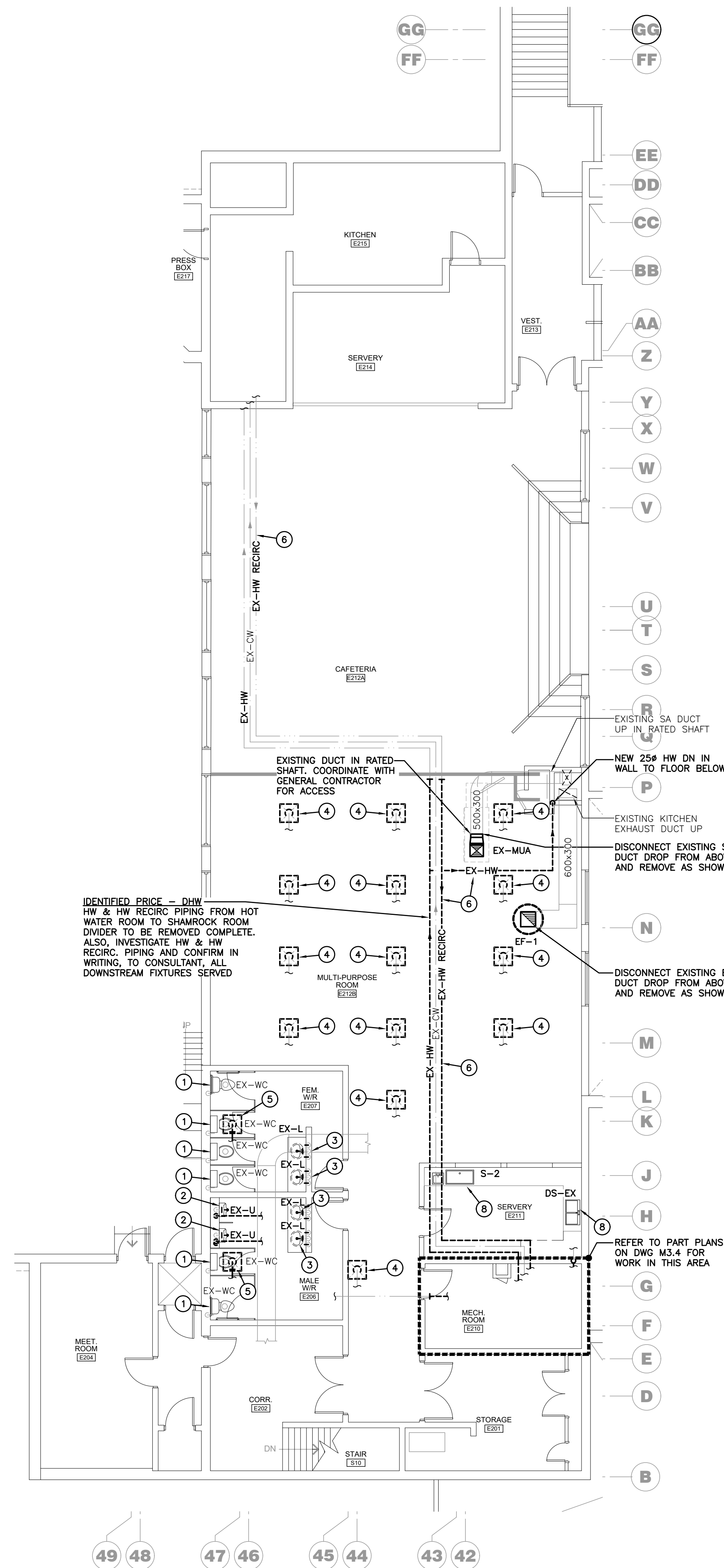
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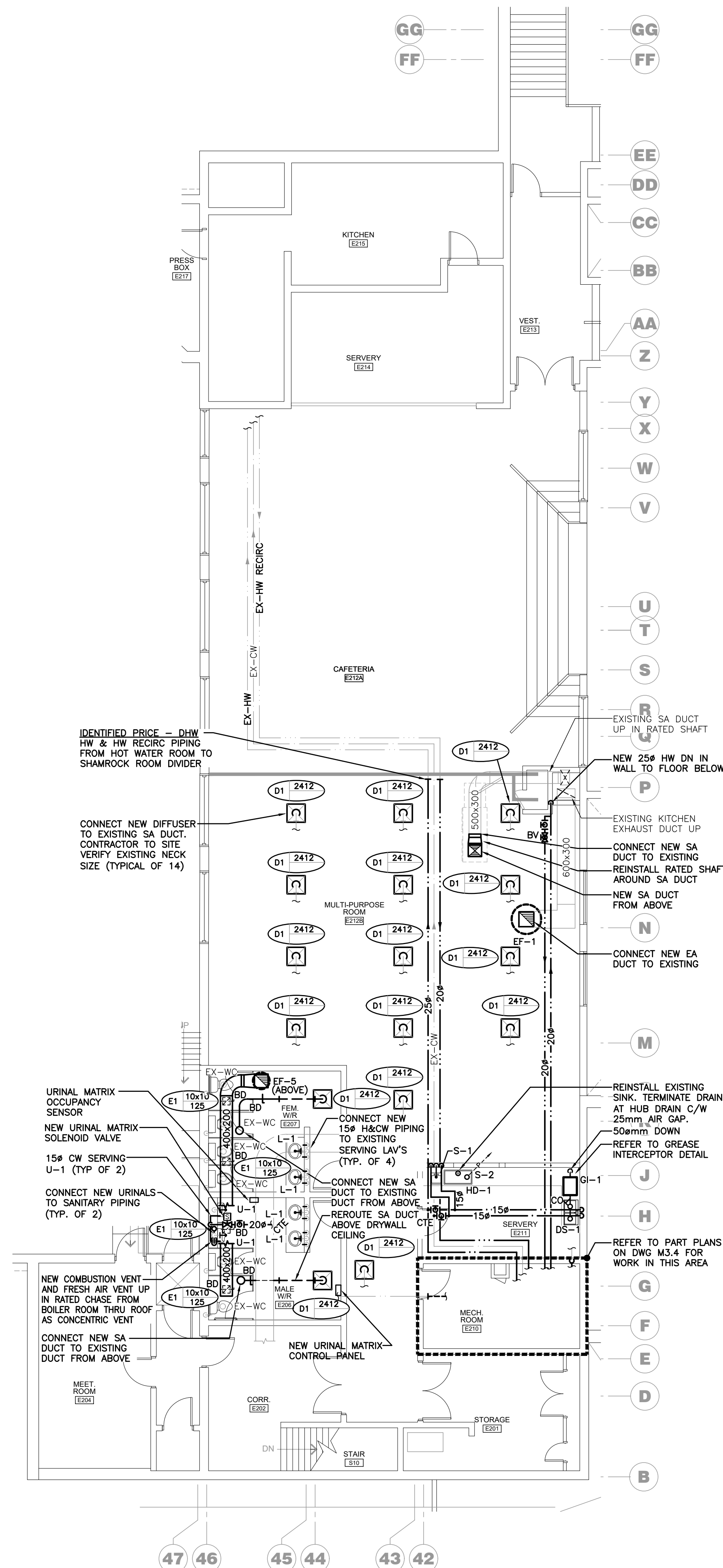
PROJECT RENOVATIONS FOR
ERIN COMMUNITY CENTRE
14 BOLAND DRIVE
ERIN ONTARIO
SHEET TITLE
GROUND FLOOR PART PLANS - AREA 'B' - DEMO/RENO

DATE	REVISION	DATE	REVISION
MARCH 20 2024	ISSUED FOR BIOPERMIT		

	PROJ. NO.	21-159
	DATE	NOV 2022
	DRAWN BY	RP
	CHECKED	JA
	SCALE	AS NOTED
	DATE PLOTTED	3/20/2024
	DRAWING NO.	M2.3



SECOND FLOOR PART PLAN 'C' - DEMOLITION
SCALE: 1:100



SECOND FLOOR PART PLAN 'C' - RENOVATION
SCALE: 1:100

GENERAL DEMOLITION NOTES

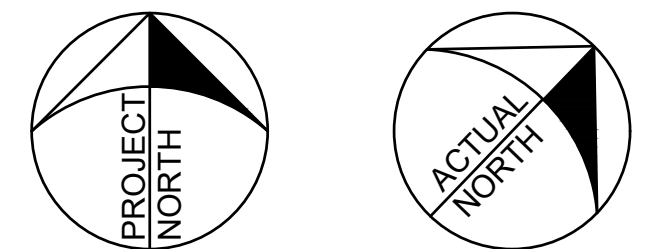
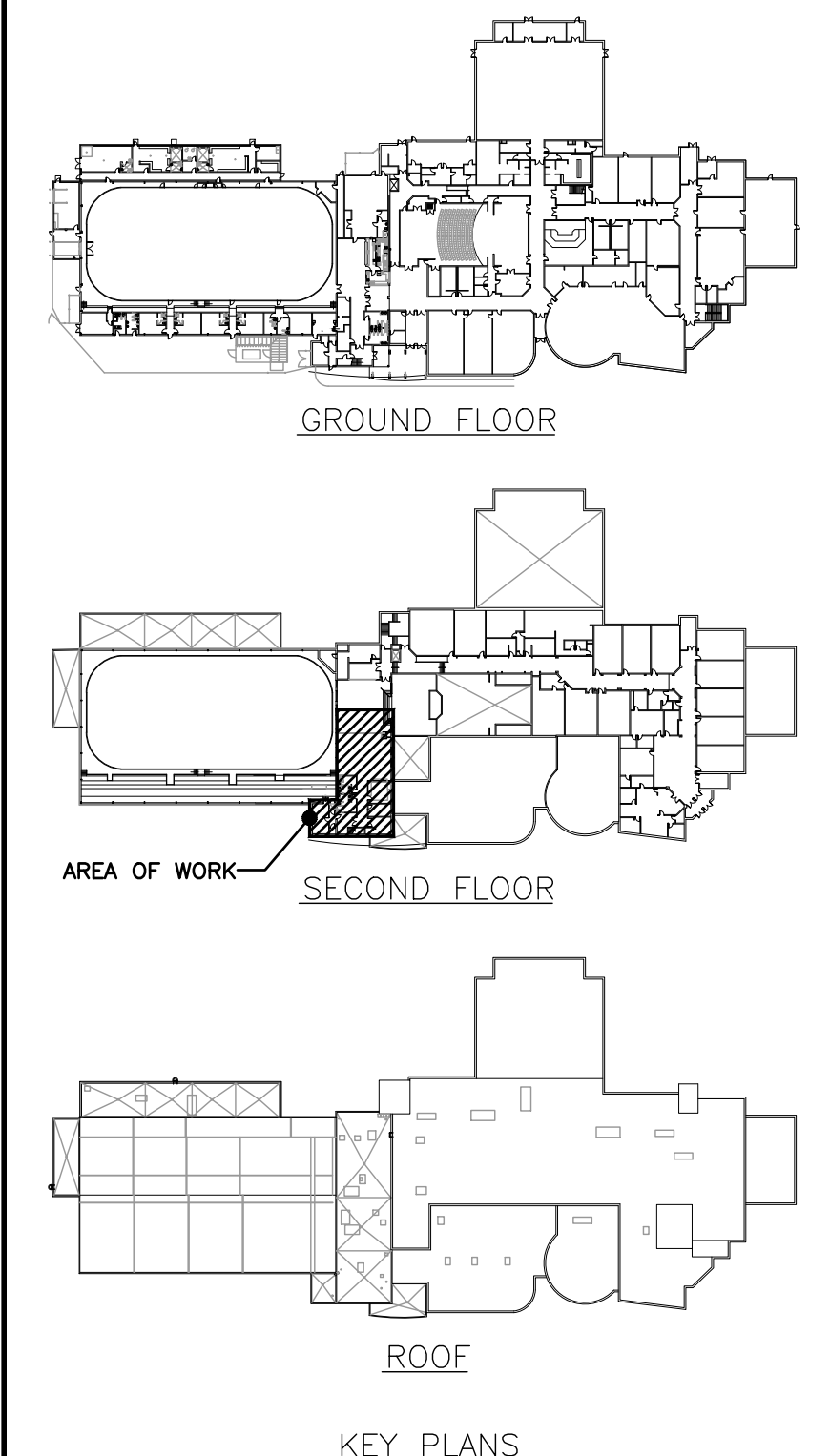
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- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
- REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

SPECIFIC DEMOLITION NOTES

- EXISTING WC TO BE REMAIN.
- EXISTING URINAL TO REMOVED COMPLETE. RETAIN CW CONNECTIONS AND PREPARE FOR NEW URINAL. NEW CW FEED WILL BE FROM URINAL MATRIX.
- EXISTING LAVATORY FAUCET TO BE REMOVED COMPLETE. RETAIN CW & HW CONNECTIONS FOR CONNECTION OF NEW FAUCET.
- EXISTING SA DIFFUSER TO BE REMOVED. RECORD NECK SIZE & AIRFLOW PRIOR TO REMOVAL. NEW DIFFUSER WILL BE IN SAME LOCATION IN NEW CEILING.
- EXISTING SA DIFFUSER TO BE REMOVED. RECORD NECK SIZE & AIRFLOW PRIOR TO REMOVAL. NEW DIFFUSER WILL BE IN DIFFERENT LOCATION IN NEW CEILING.
- EXISTING HW & HW RECIRC PIPING TO KITCHENS TO BE REMOVED COMPLETE AS SHOWN. CONTRACTOR TO RECORD FULL LENGTH OF RUN AND REDLINE PIPE ROUTING AND SIZE ON PLANS PRIOR TO REMOVAL. CW PIPING TO KITCHEN TO REMAIN.
- EXISTING HW SUPPLY TO WASHROOMS TO REMAIN.
- REMOVE EXISTING SINK FOR REPLACEMENT.

GENERAL RENOVATION NOTES

- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
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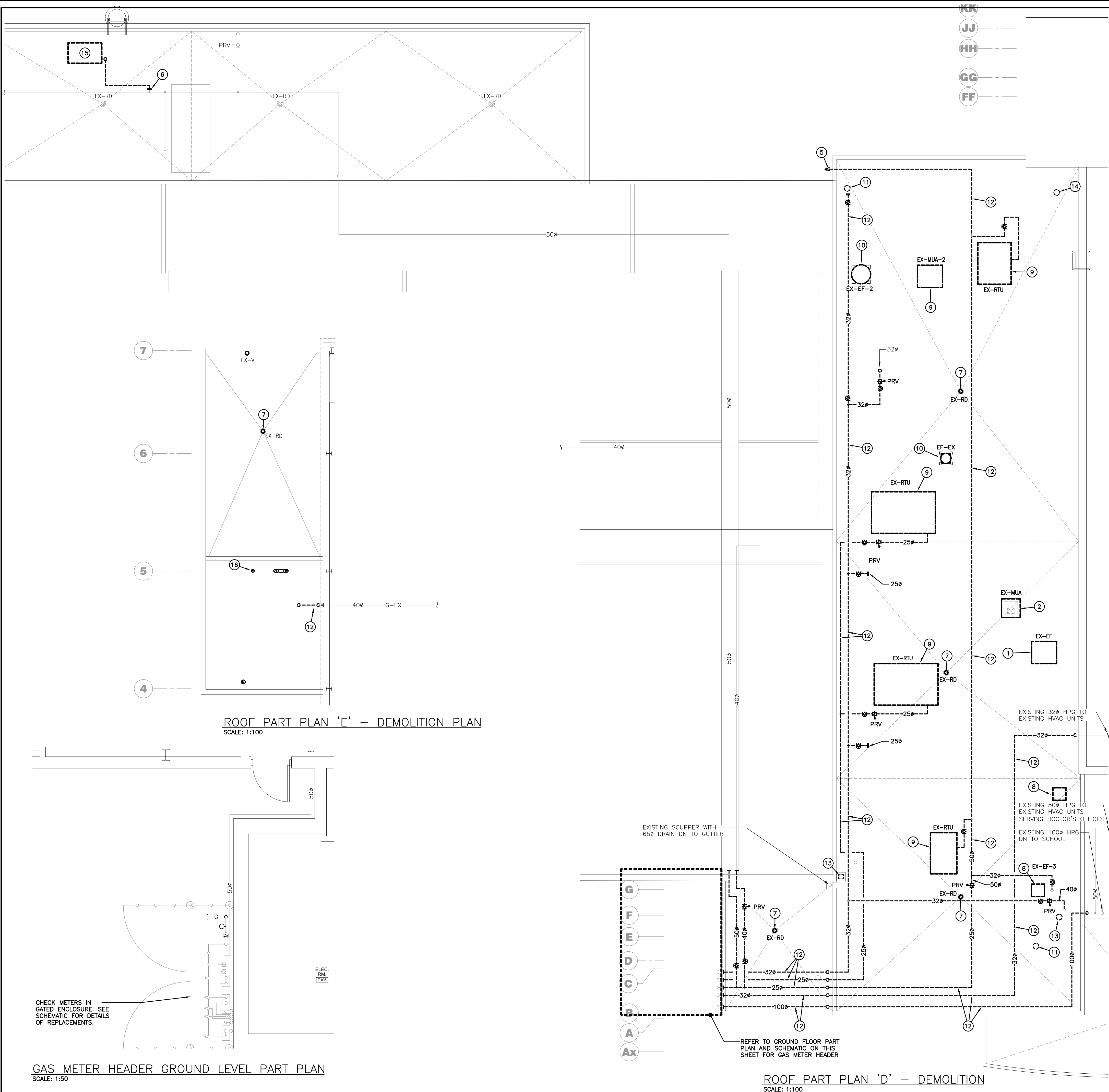
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PROJECT RENOVATIONS FOR
ERIN COMMUNITY CENTRE
14 BOLAND DRIVE
ERIN ONTARIO
SHEET TITLE
SECOND FLOOR PART PLANS - AREAS 'D' - DEMO/RENO

DATE	REVISION	DATE	REVISION
MARCH 20 2024	ISSUED FOR BID/PERMIT		

	PROJ. NO.	21-159
	DATE	NOV 2022
	DRAWN BY	RP
	CHECKED	JA
	SCALE	AS NOTED
	DATE PLOTTED	3/20/2024
	DRAWING NO.	M2.4

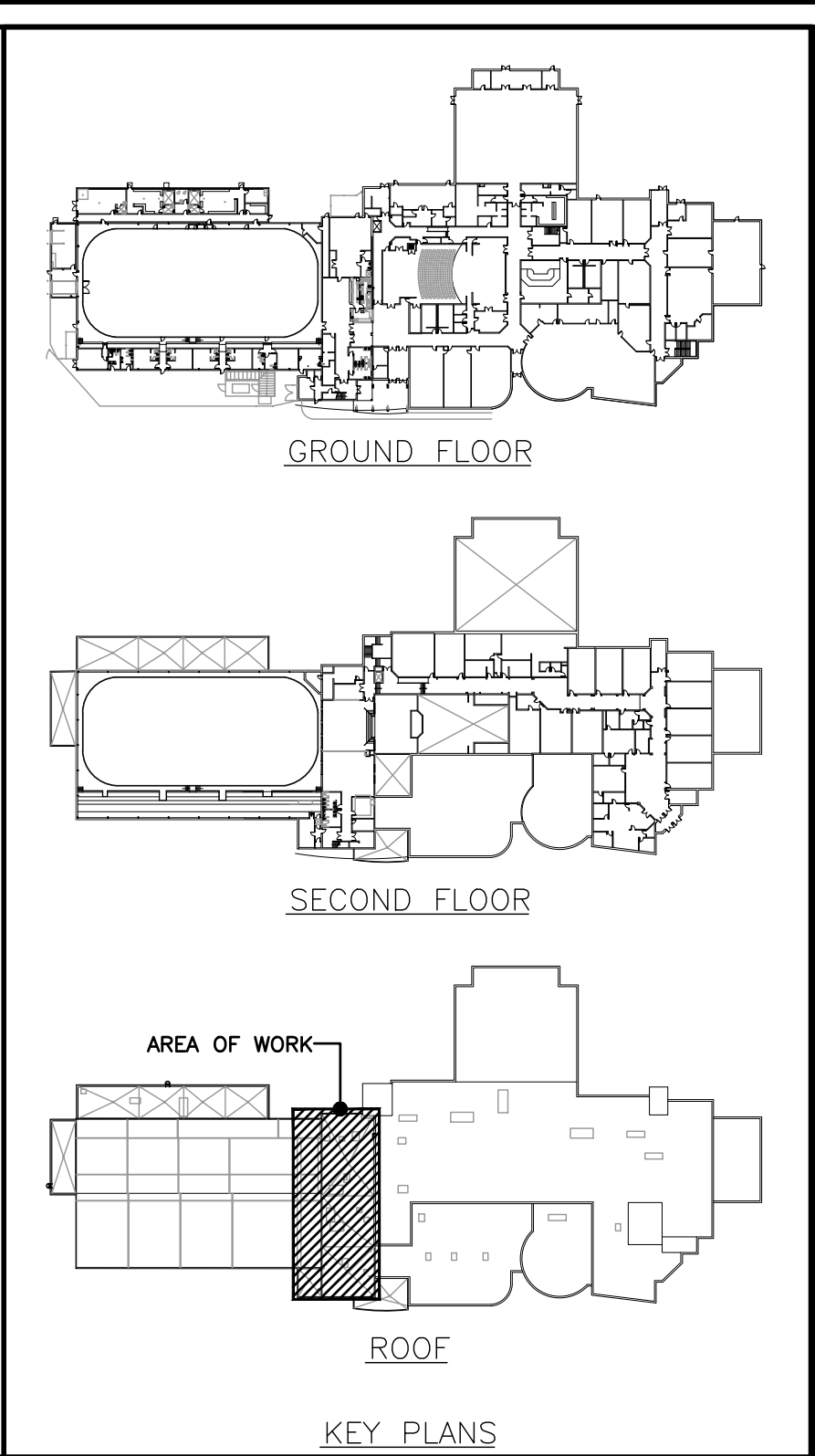
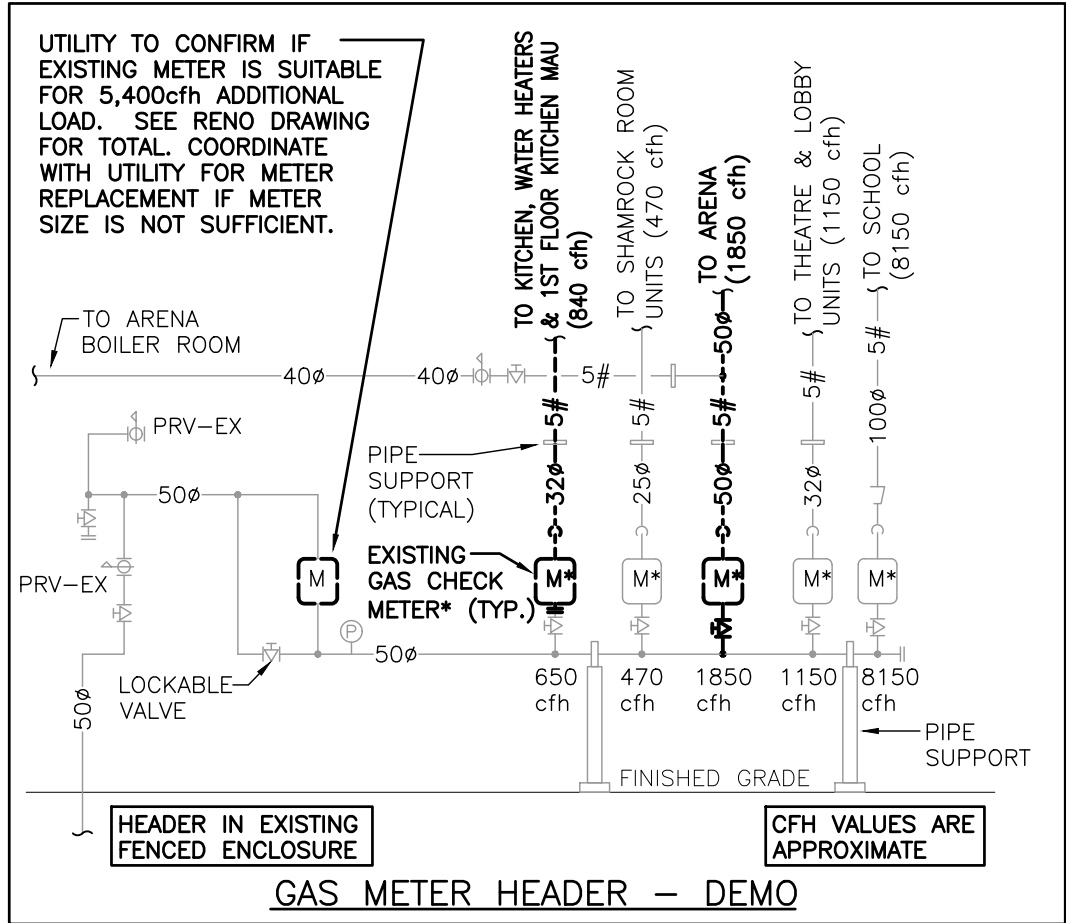


GENERAL DEMOLITION NOTES

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- E. PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
- F. REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- G. MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- H. INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- I. THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

SPECIFIC DEMOLITION NOTES

- 1. EXISTING EXHAUST FAN AND ROOF CURB TO BE REMOVED COMPLETE. PROVIDE NEW NFPA EXHAUST FAN ON NEW VENTED ROOF CURB.
- 2. EXISTING MAKE-UP AIR UNIT TO BE REMOVED COMPLETE. PROVIDE NEW MAKE-UP AIR UNIT WITH GAS HEAT. PROVIDE NEW CURB.
- 3. EXISTING COMBUSTION EXHAUST TO BE REMOVED. FOR REPLACEMENT WITH CONCENTRIC VENT.
- 4. EXISTING GAS PIPING TO BE CUT AND CAPPED AND REMOVED BEYOND COMPLETE.
- 5. EXISTING GAS PIPE DOWN TO GROUND TO BE REMOVED AS SHOWN. PROVIDE NEW SUPPLY DN TO EMERGENCY GENERATOR.
- 6. EXISTING GAS PIPE CONNECTED TO EMERGENCY GENERATOR TO BE CUT BACK TO GAS MAIN AS SHOWN. VALVE AND CAP.
- 7. EXISTING ROOF DRAIN TO BE REMOVED. REPLACE WITH NEW.
- 8. EXISTING EXHAUST FAN AND ROOF CURB TO BE REMOVED COMPLETE. PROVIDE NEW EXHAUST FAN. PROVIDE NEW ROOF CURB.
- 9. EXISTING HVAC UNIT TO BE DISCONNECTED AND REMOVED FOR ROOFING REPLACEMENT. REINSTALL, RECONNECT, AND RESTART EQUIPMENT IN EXISTING LOCATION AFTER ROOF REPLACEMENT.
- 10. EXISTING FAN TO BE DISCONNECTED AND REMOVED FOR ROOFING REPLACEMENT. REINSTALL, RECONNECT, AND RESTART EQUIPMENT IN EXISTING LOCATION AFTER ROOF REPLACEMENT.
- 11. EXISTING SANITARY ROOF VENT. REMOVE VENT TERMINATION. PROVIDE NEW EQUIVALENT SIZED SANITARY ROOF VENT TERMINATION IN SAME LOCATION FOR NEW ROOF INSTALL.
- 12. REMOVE EXISTING GAS PIPE ON ROOF. INSTALL NEW PIPING IN SAME LOCATION FOLLOWING INSTALLATION OF NEW ROOF.
- 13. EXISTING COMBUSTION EXHAUST TO BE REMOVED FOR REPLACEMENT WITH CONCENTRIC VENT.
- 14. EXISTING CEILING FAN EXHAUST TERMINATION TO BE REMOVED FOR REINSTALL WITH SIMILAR ON NEW ROOF.
- 15. EXISTING SMALL ROOF MOUNTED EMERGENCY GENERATOR TO BE REMOVED.
- 16. EXISTING EXHAUST DUCT TO BE REMOVED FOR ROOFING REPLACEMENT. REINSTALL WITH SIMILAR ON NEW ROOF.



PROJECT NORTH ACTUAL NORTH

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D+H ARCHITECTS INC.

45 MILL STREET, ORANGEVILLE, ON. L9W2M4. 519-941-0912

CONSULTANT

DEI Consulting Engineers

MECHANICAL | ELECTRICAL | AQUATIC

55 Northland Road, Waterloo, ON, N2V 1Y8
Phone: 519-732-3555
Website: deiassociates.ca
Project Number: 22181

PROJECT RENOVATIONS FOR **ERIN COMMUNITY CENTRE**

14 BOLAND DRIVE ONTARIO

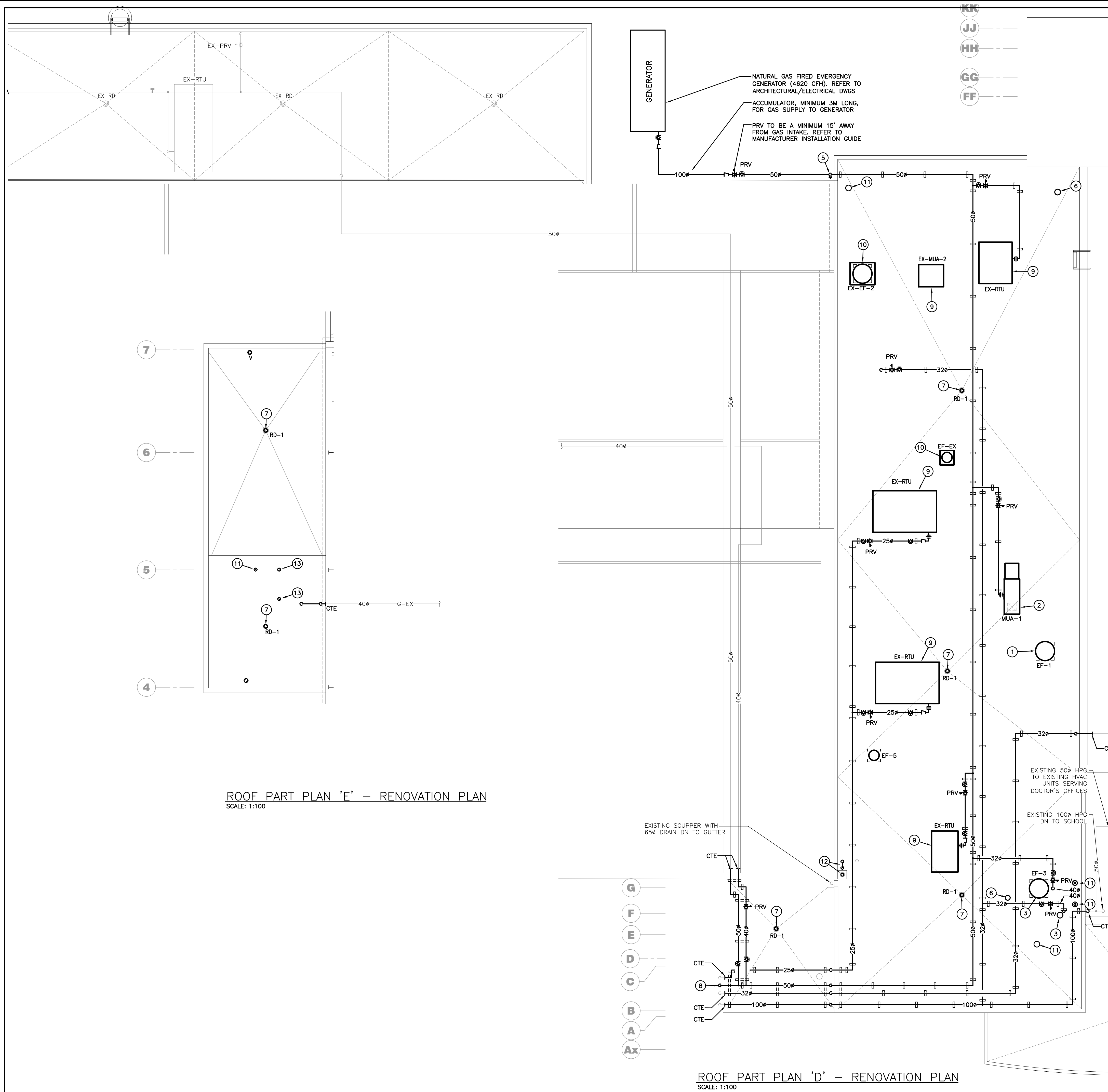
ERIN

SHEET TITLE **ROOF PART PLAN - AREA 'G' - DEMOLITION**

DATE	REVISION	DATE	REVISION
MARCH 20 2024	ISSUED FOR BIOPERMIT		

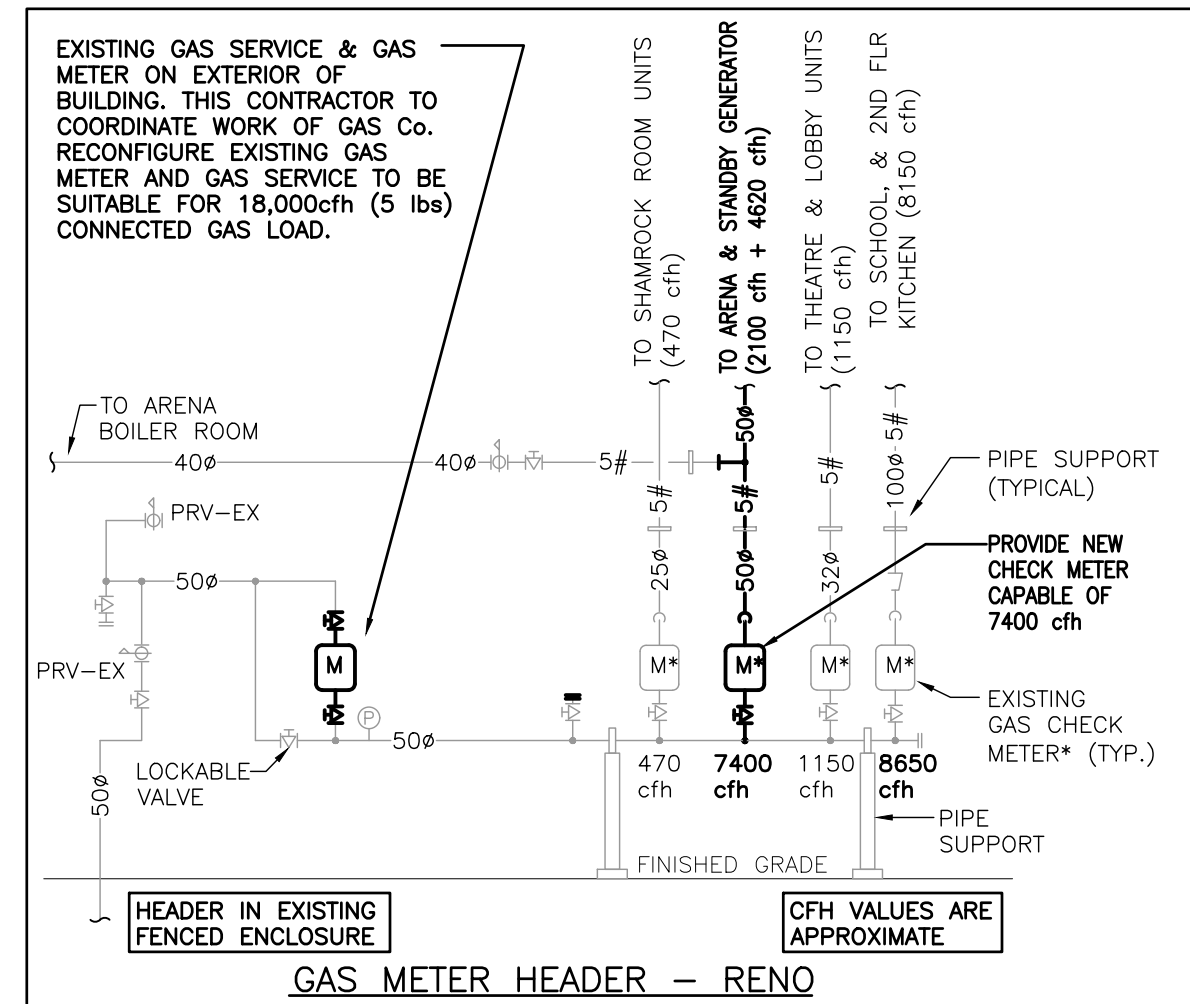
PROJ. NO. 21-159
DATE NOV 2022
DRAWN BY RP
CHECKED JA
SCALE AS NOTED
DATE PLOTTED 3/20/2024
DRAWING NO. **M2.5**

LICENSED PROFESSIONAL ENGINEER
J.C. ANDERSON
100543206
PROVINCE OF ONTARIO



ROOF PART PLAN 'E' - RENOVATION PLAN
SCALE: 1:100

GAS METER HEADER GROUND LEVEL PART PLAN
SCALE: 1:50

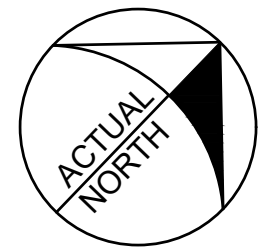
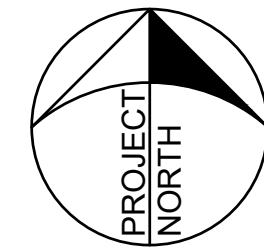
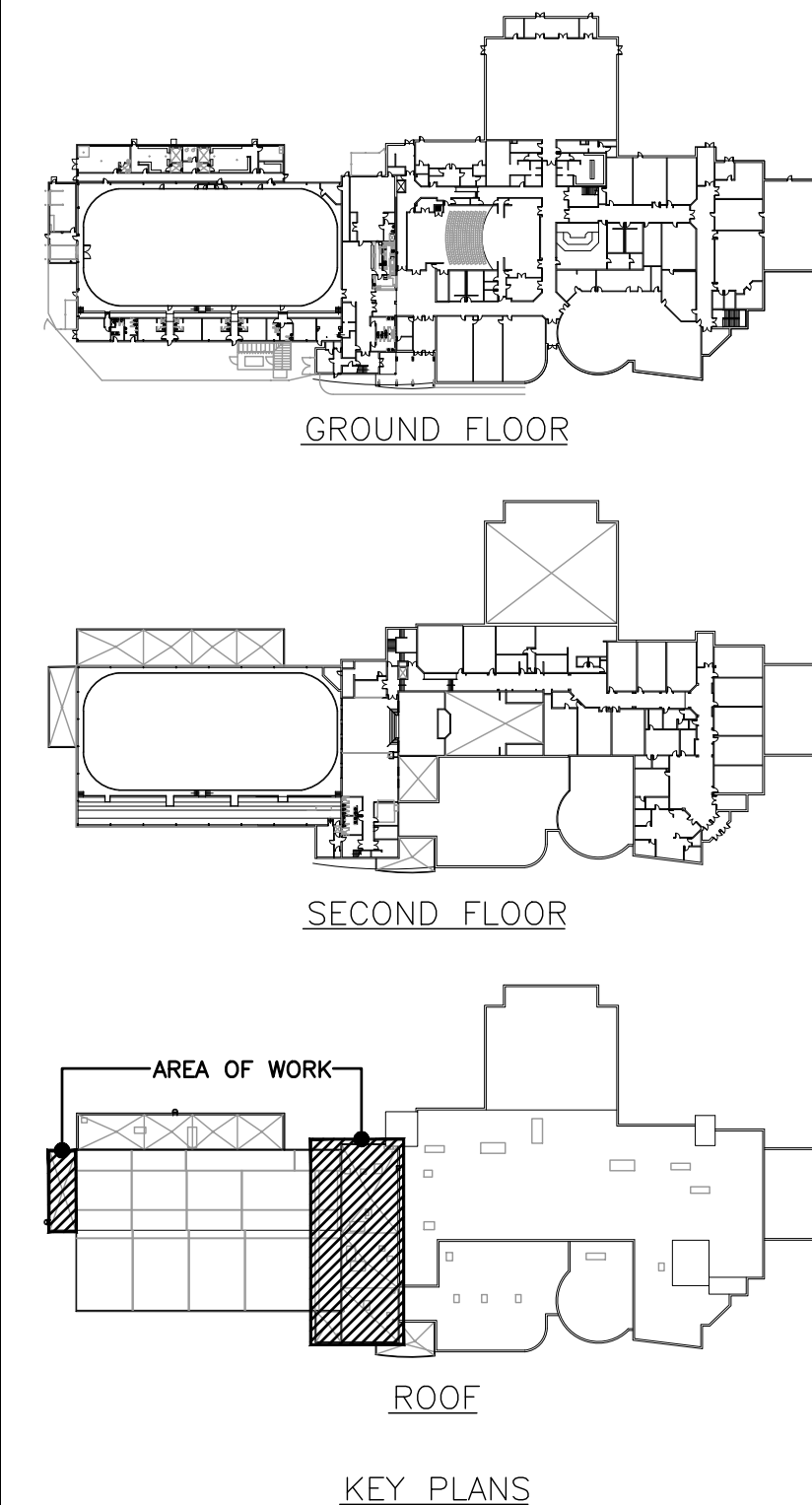


GENERAL RENOVATION NOTES

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SPECIFIC RENOVATION NOTES

- NEW NFPA EXHAUST FAN ON NEW VENTED ROOF CURB.
- NEW MAKE-UP AIR UNIT WITH GAS HEAT ON NEW CURB.
- NEW EXHAUST FAN TO SERVE GROUND FLOOR WASHROOMS. NEW ROOF CURB.
- NEW EXHAUST FAN TO SERVE 2ND FLOOR WASHROOMS. NEW ROOF CURB.
- NEW NG SUPPLY DN TO STANDBY GENERATOR.
- NEW 250# EXHAUST FAN VENT TERMINATION AT MINIMUM 750mm ABOVE FINISHED ROOF WITH RAIN COVER.
- NEW ROOF DRAIN. RECONNECT TO EXISTING STORM PIPING.
- NEW NG RISER FROM NEW CHECK METER BELOW.
- REINSTALL, RECONNECT, AND RESTART EXISTING HVAC UNIT IN EXISTING LOCATION AFTER ROOF REPLACEMENT. REUSE EXISTING ROOF CURB. RECONNECT TO EXISTING CONTROLS.
- REINSTALL, RECONNECT, AND RESTART EXISTING FAN IN EXISTING LOCATION AFTER ROOF REPLACEMENT. REUSE EXISTING ROOF CURB. RECONNECT TO EXISTING CONTROLS.
- NEW CONCENTRIC VENT TERMINATION FOR HOT WATER HEATER.
- NEW STAINLESS STEEL COMBUSTION VENT AND FRESH AIR VENT TERMINATIONS FOR BOILER IN GROUND FLOOR BOILER ROOM.
- NEW 100# FRESH AIR INTAKE TERMINATED THROUGH GOOSENECK. MAINTAIN CLEARANCE FROM EXISTING EXHAUST.



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45 MILL STREET, ORANGEVILLE, ON. L9W2M4. 519-941-0912

CONSULTANT

MECHANICAL | ELECTRICAL | AQUATIC

55 Northland Road,
Waterloo, ON, N2V 1Y8
Phone: 519-732-3555
Website: deiassociates.ca
Project Number: 22181


PROJECT RENOVATIONS FOR
ERIN COMMUNITY CENTRE
14 BOLAND DRIVE ONTARIO

SHEET TITLE
ROOF PART PLAN - AREA 'G' - RENOVATION

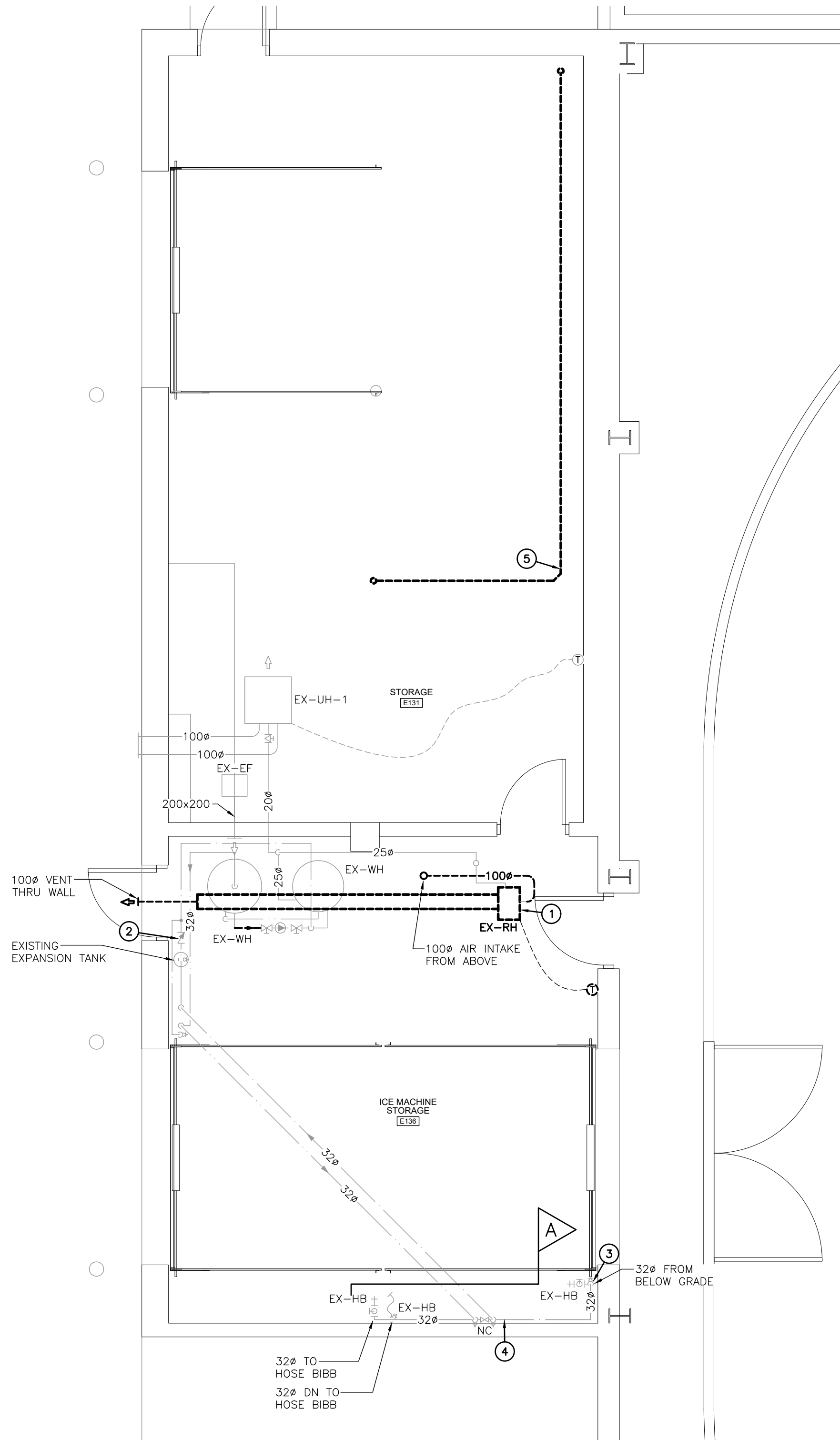
DATE	REVISION	DATE	REVISION
MARCH 20 2024	ISSUED FOR BIOPERMIT		

PROJ. NO.	21-159
DATE	NOV 2022
DRAWN BY	RP
CHECKED	JA
SCALE	AS NOTED
DATE PLOTTED	3/20/2024
DRAWING NO.	M2.6

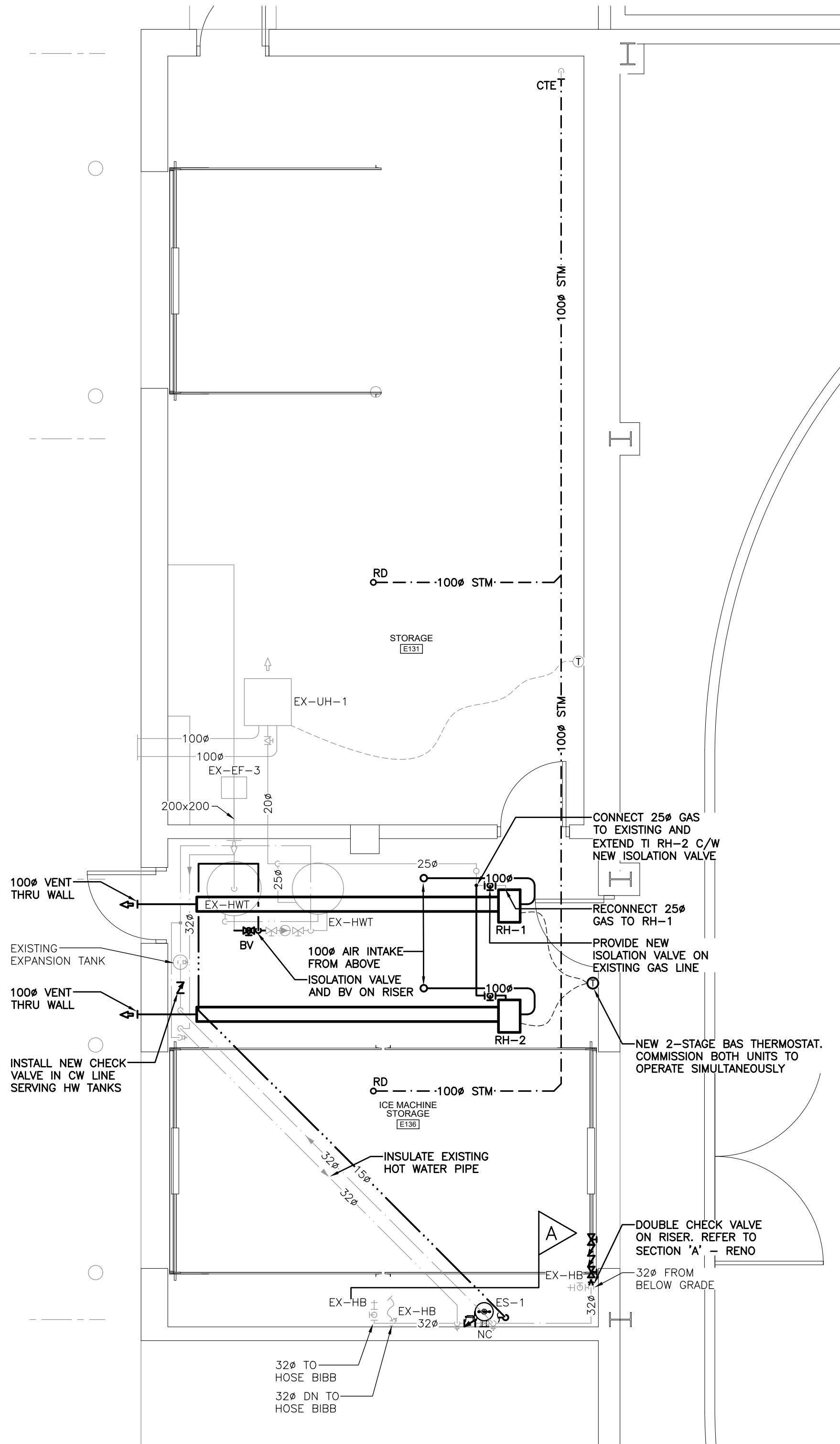


	PROJ. NO	21-159
	DATE	NOV 2022
	DRAWN BY	RP
	CHECKED	JA
	SCALE	AS NOTED
	DATE PLOTTED	3/20/2024

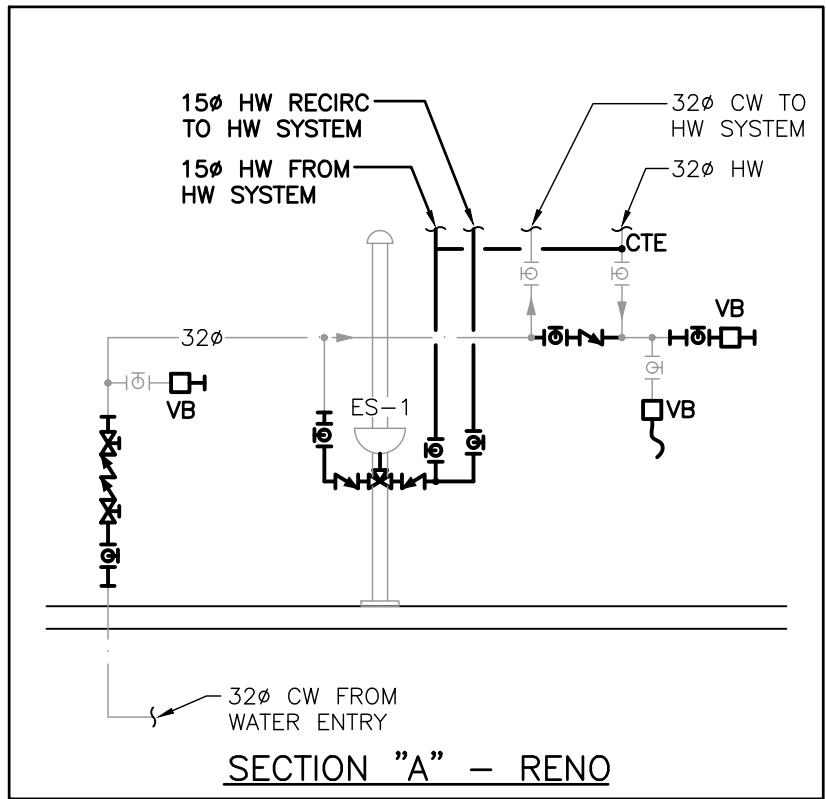
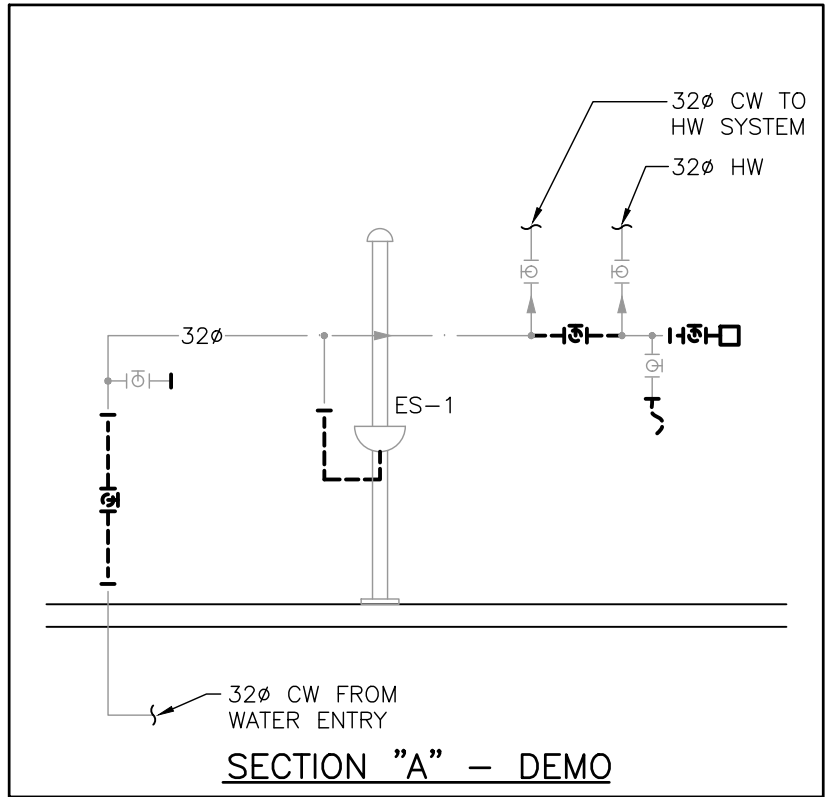
DRAWING NO.
M3.1



ZAMBONI ROOM PART PLAN – DEMOLITION
SCALE: 1:50



ZAMBONI ROOM PART PLAN – RENOVATION
SCALE: 1:50



GENERAL DEMOLITION NOTES

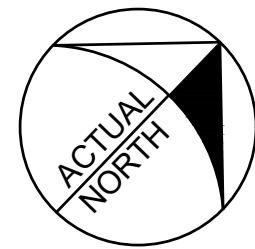
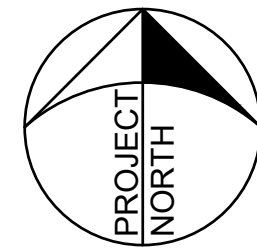
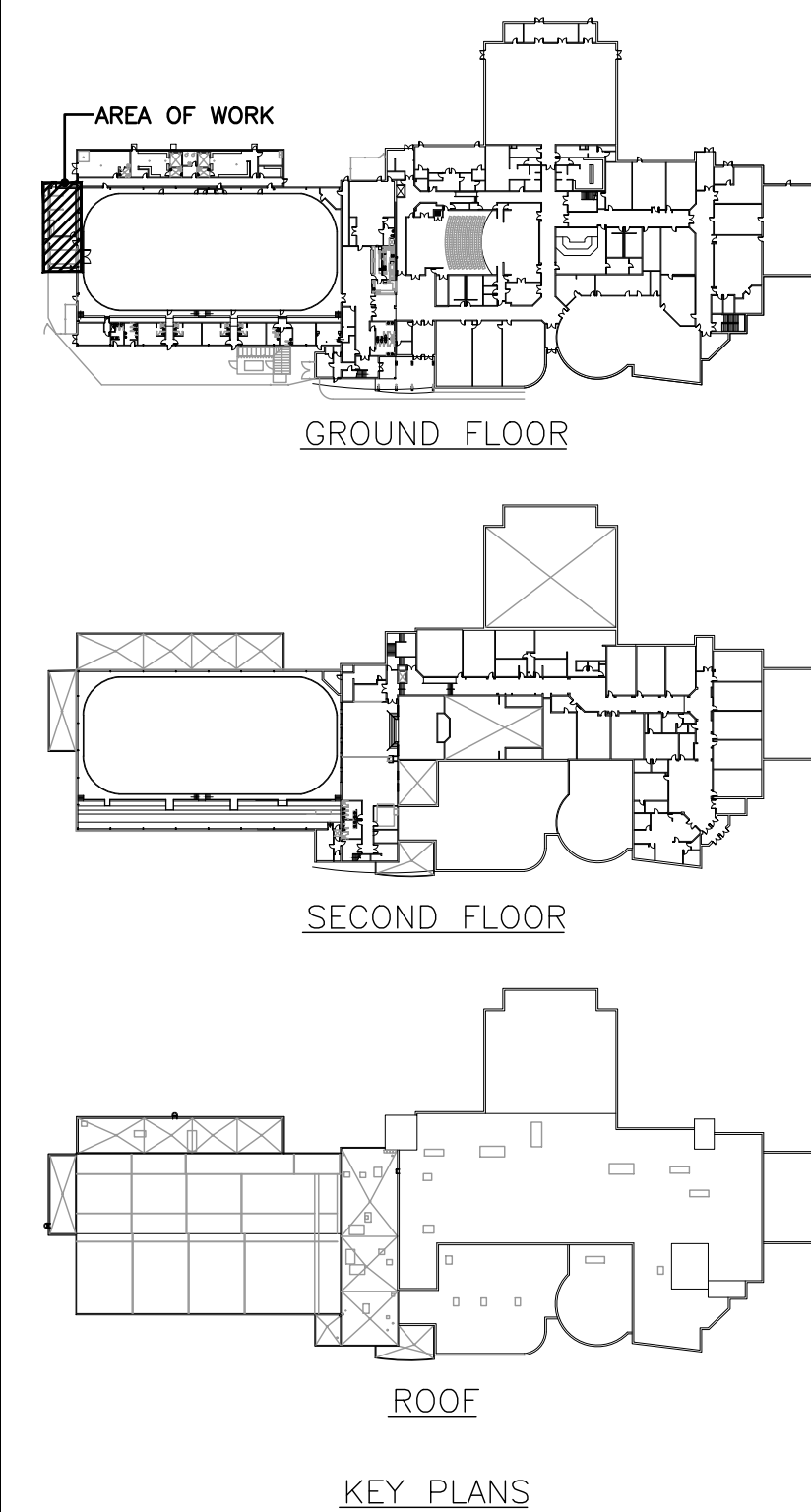
- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
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- THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

SPECIFIC DEMOLITION NOTES

- EXISTING LOUVER AND DUCTWORK TO BE REMOVED COMPLETE.
- EXISTING BRINE PUMP TO REMAIN. EXISTING PUMP IS RELATIVELY NEW, REPLACED BY CIMCO IN THE LAST 3 YEARS.
- EXISTING FLUID COOLER PUMP TO REMAIN. CIMCO MAINTAINS SYSTEM AND WILL REPLACE PUMP AT FAILURE.
- EXISTING COMPRESSOR OIL COOLER TO REMAIN. CIMCO MAINTAINS SYSTEM AND WILL REPLACE PUMP AT FAILURE.
- REMOVE EXISTING STORM PIPING AND REINSTALL AT HEIGHT TO PERMIT NEW CONNECTION DOWNSTREAM.

GENERAL RENOVATION NOTES

- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
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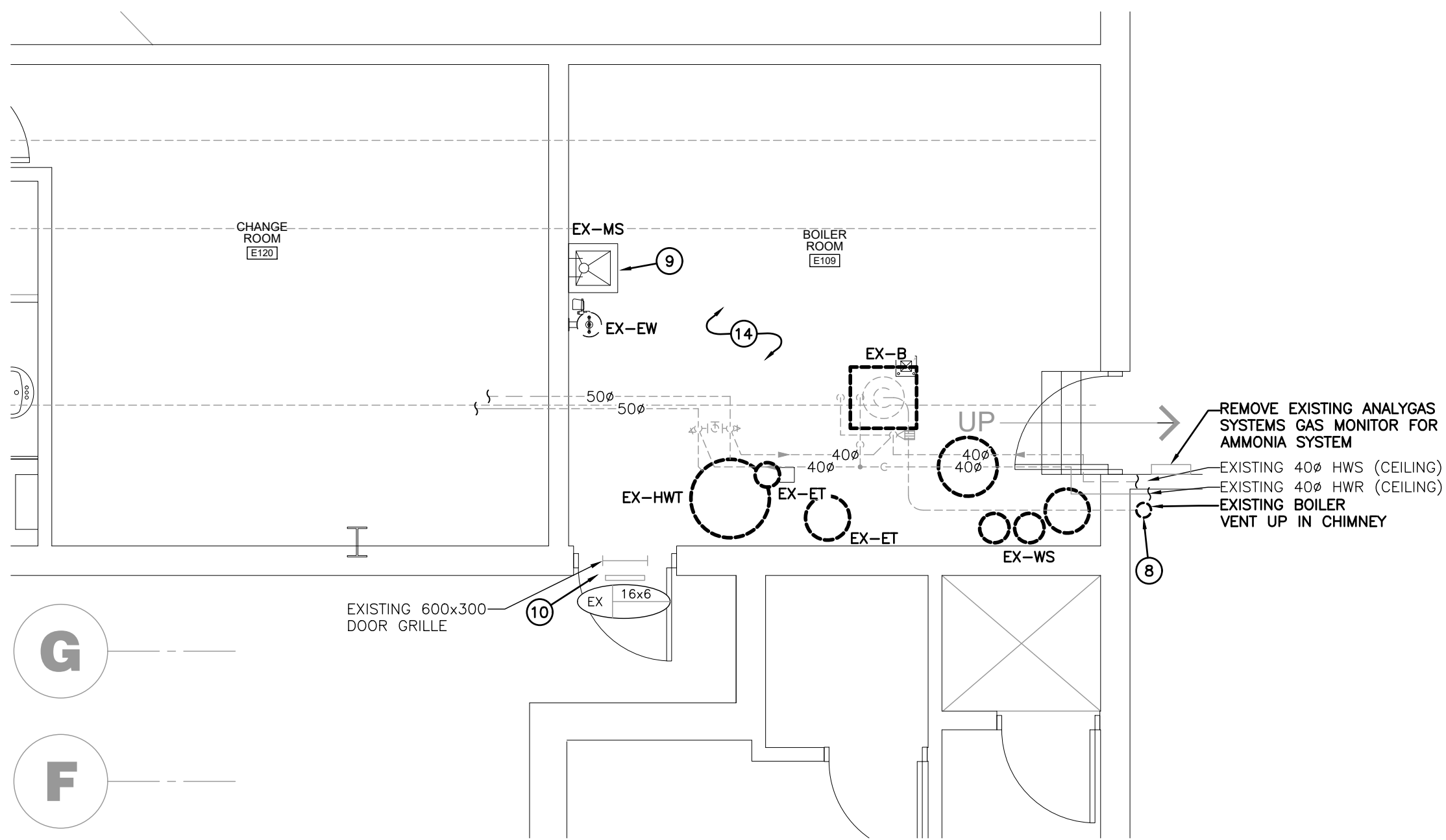
45 MILL STREET, ORANGEVILLE, ON. L9W2M4. 519-941-0912



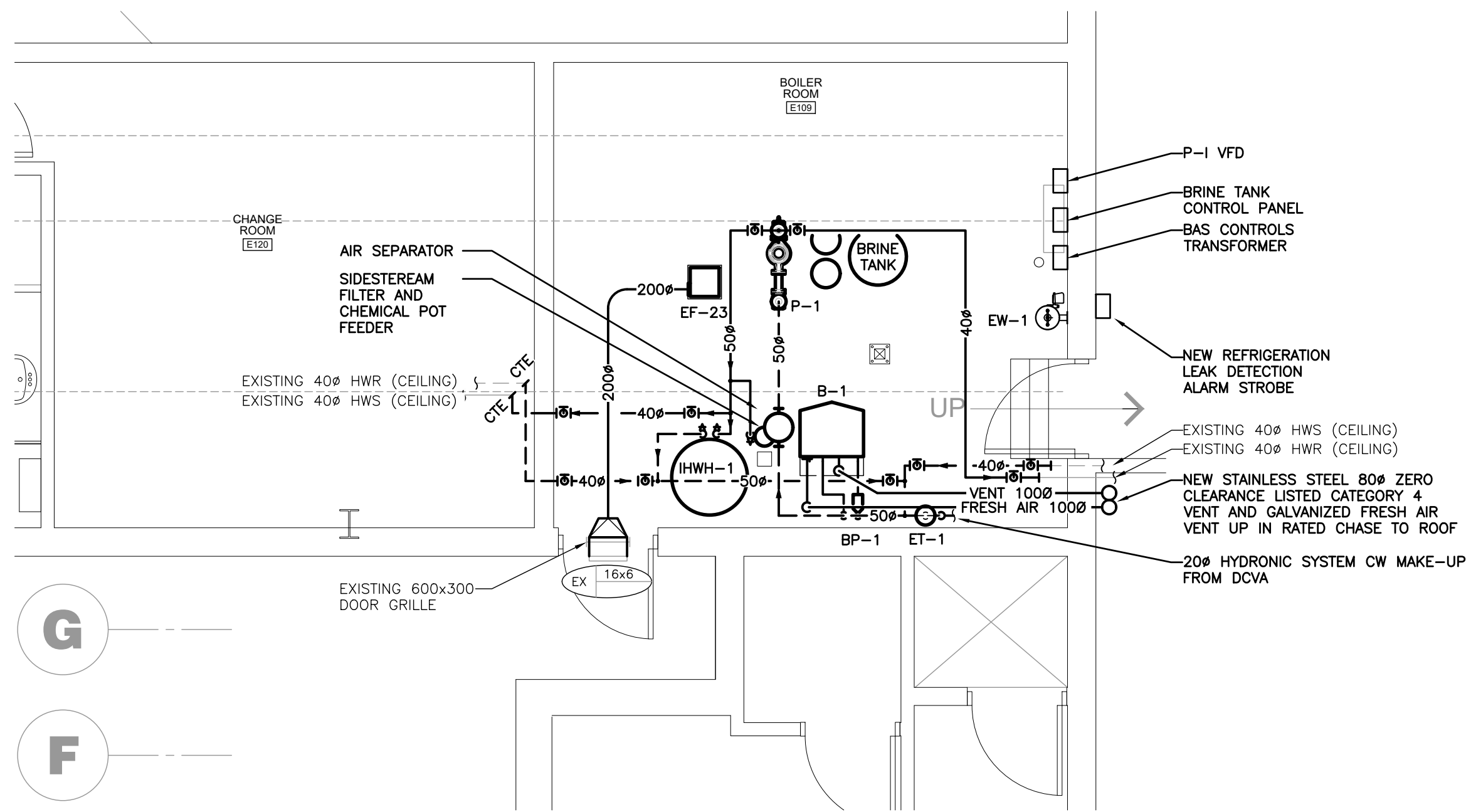
PROJECT RENOVATIONS FOR
ERIN COMMUNITY CENTRE
14 BOLAND DRIVE
ERIN ONTARIO
SHEET TITLE
GROUND FLOOR ENLARGED PLANS - AREA 'E' - DEMO & RENO

DATE	REVISION	DATE	REVISION
MARCH 20 2024	ISSUED FOR BIOPERMIT		

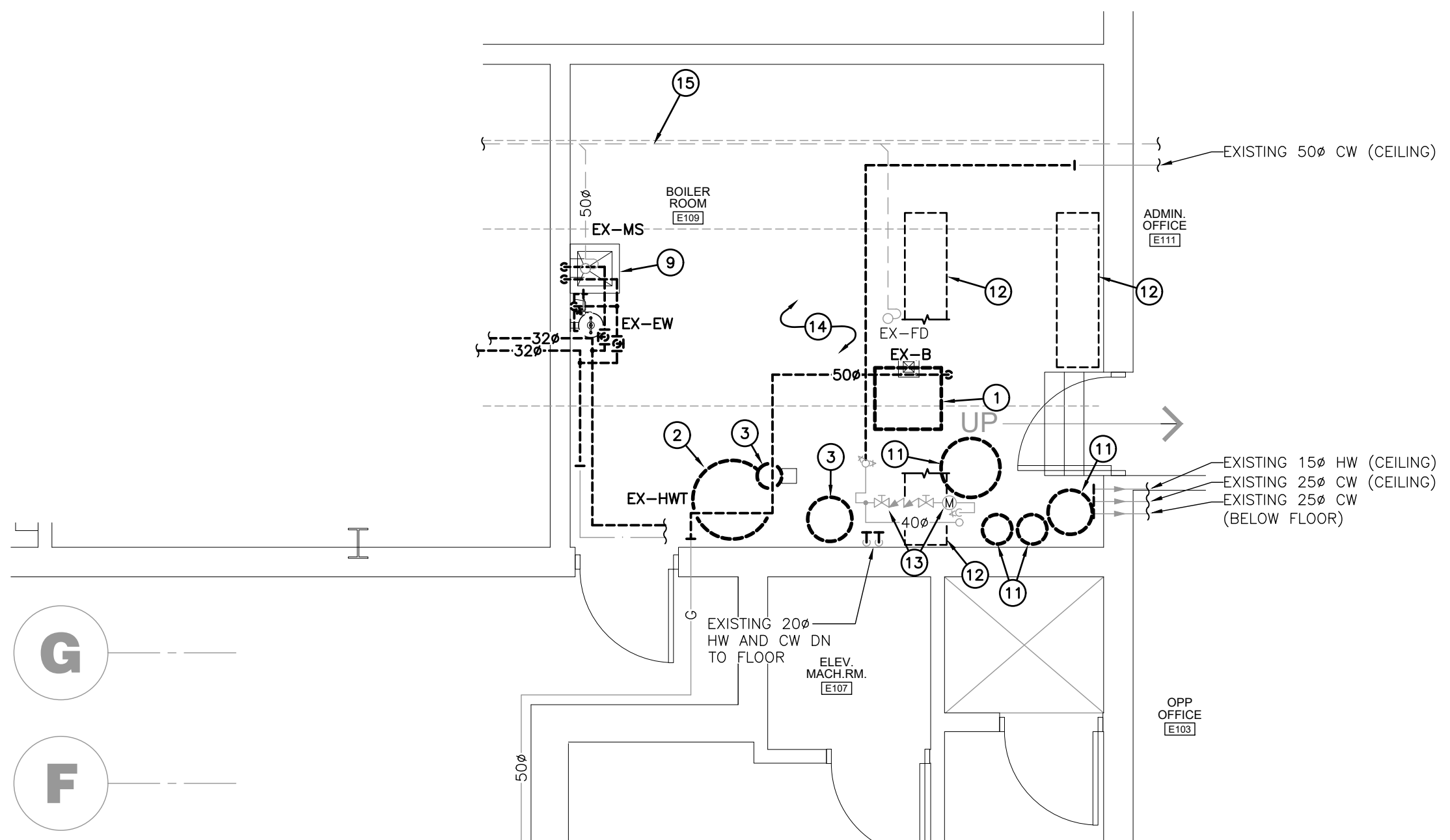
	PROJ. NO.	21-159
	DATE	NOV 2022
	DRAWN BY	RP
	CHECKED	JA
	SCALE	AS NOTED
	DATE PLOTTED	3/20/2024
	DRAWING NO.	M3.2



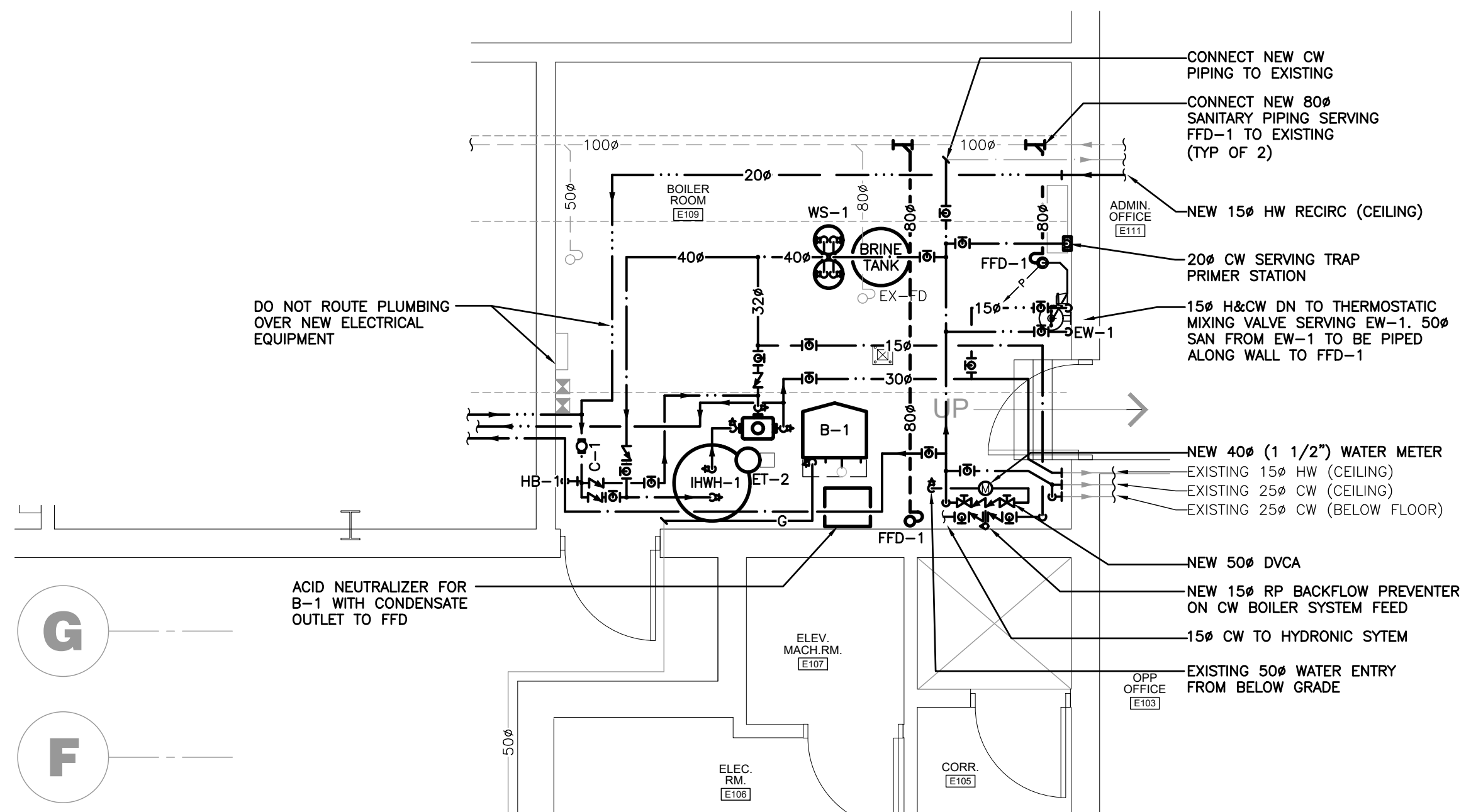
BOILER ROOM PART PLAN HVAC – DEMOLITION
SCALE: 1:50



BOILER ROOM PART PLAN HVAC – RENOVATION
SCALE: 1:50



BOILER ROOM PART PLAN PLUMBING – DEMOLITION
SCALE: 1:50



BOILER ROOM PART PLAN PLUMBING – RENOVATION
SCALE: 1:50

GENERAL DEMOLITION NOTES

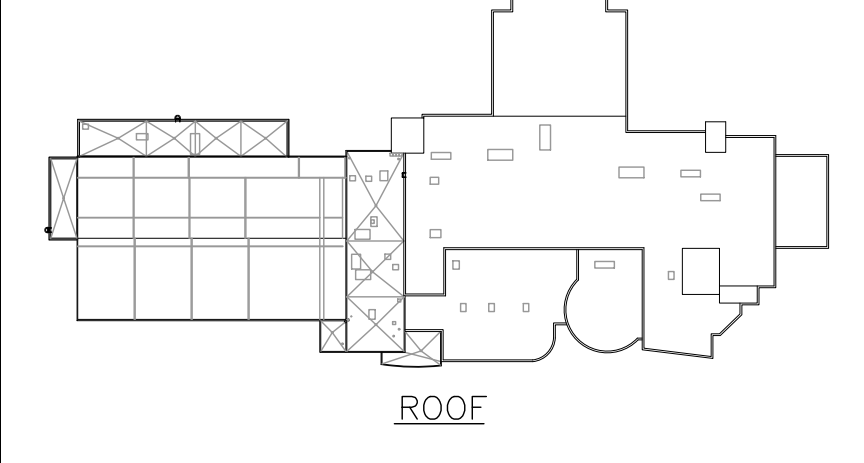
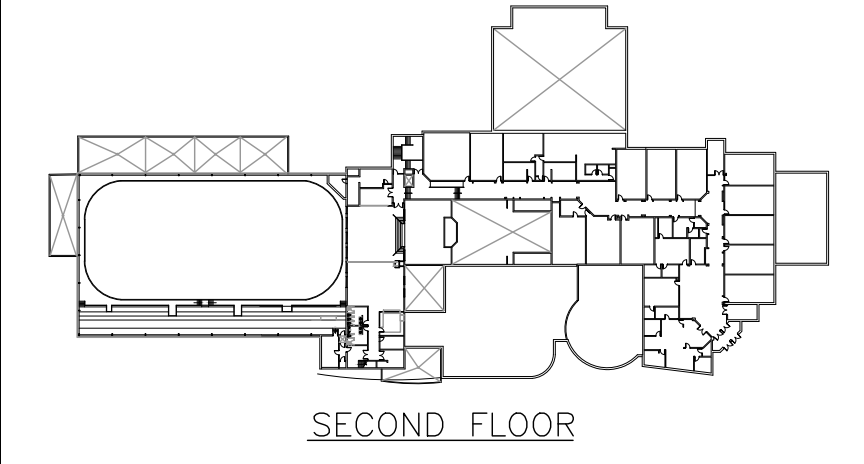
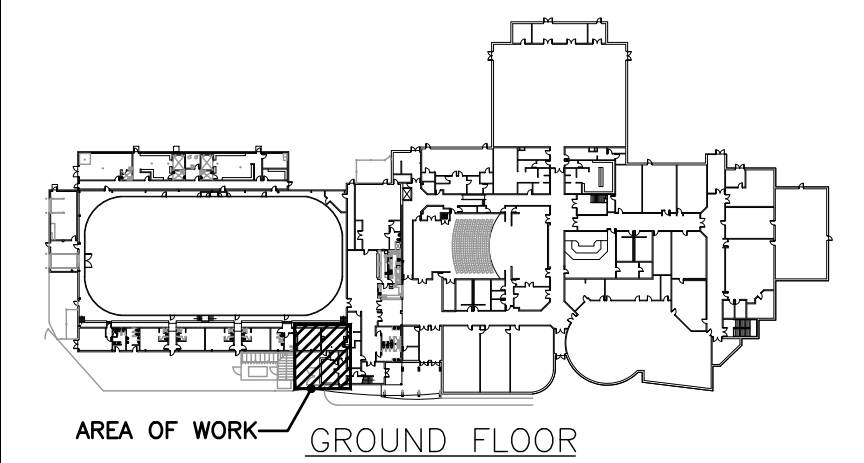
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SPECIFIC DEMOLITION NOTES

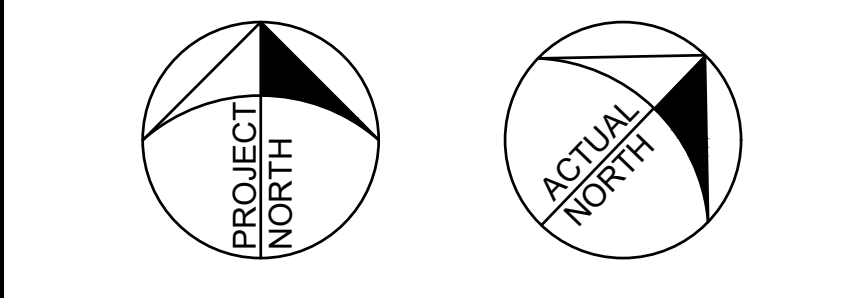
- EXISTING INDIRECT HOT WATER HEATER TO BE REMOVED COMPLETE.
- EXISTING HYDRONIC BOILER TO BE REMOVED COMPLETE.
- EXISTING EXPANSION TANK TO BE REMOVED COMPLETE.
- EXISTING WATER ENTRY DCVA TO BE REMOVED COMPLETE.
- EXISTING HYDRONIC SIDESTREAM FILTER TO BE REMOVED COMPLETE.
- EXISTING CHEMICAL FEED TANK TO BE REMOVED COMPLETE.
- EXISTING SOFTENER TO BE REMOVED COMPLETE.
- EXISTING BOILER VENT TO BE REMOVED COMPLETE.
- EXISTING CAST-IN PLACE MOP SINK AND ADJACENT EYE WASH TO BE REMOVED COMPLETE.
- EXISTING DOOR GRILLE AND VENT OVER DOOR TO REMAIN.
- EXISTING WATER SOFTENERS AND BRINE TANK TO BE REMOVED COMPLETE.
- SAWCUT FLOOR TO PERMIT CONNECTION OF NEW FUNNEL FLOOR DRAIN TO EXISTING SANITARY MAIN.
- EXISTING WATER METER AND DOUBLE CHECK VALVE ASSEMBLY (DCVA) TO BE REMOVED COMPLETE.
- ALL CW, HW, HW RECIRC, HWS, HWR PIPING IN THIS ROOM TO BE REMOVED COMPLETE.
- CONTRACTOR SHALL FULLY VIDEOTAPE AND FLUSH EXISTING SANITARY SYSTEM. PROVIDE A WRITTEN REPORT COMPLETE WITH VIDEO TIME STAMPS INDICATING AREAS OF FAILED PIPING FOR CONSULTANT AND OWNER TO REVIEW.

SIZING AND DETAILS:

SEE BOILER ROOM SCHEMATIC ON M3.4 FOR PIPE SIZING AND ADDITIONAL DETAILS.



KEY PLANS



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PROJECT RENOVATIONS FOR
ERIN COMMUNITY CENTRE
14 BOLAND DRIVE

ERIN ONTARIO

SHEET TITLE

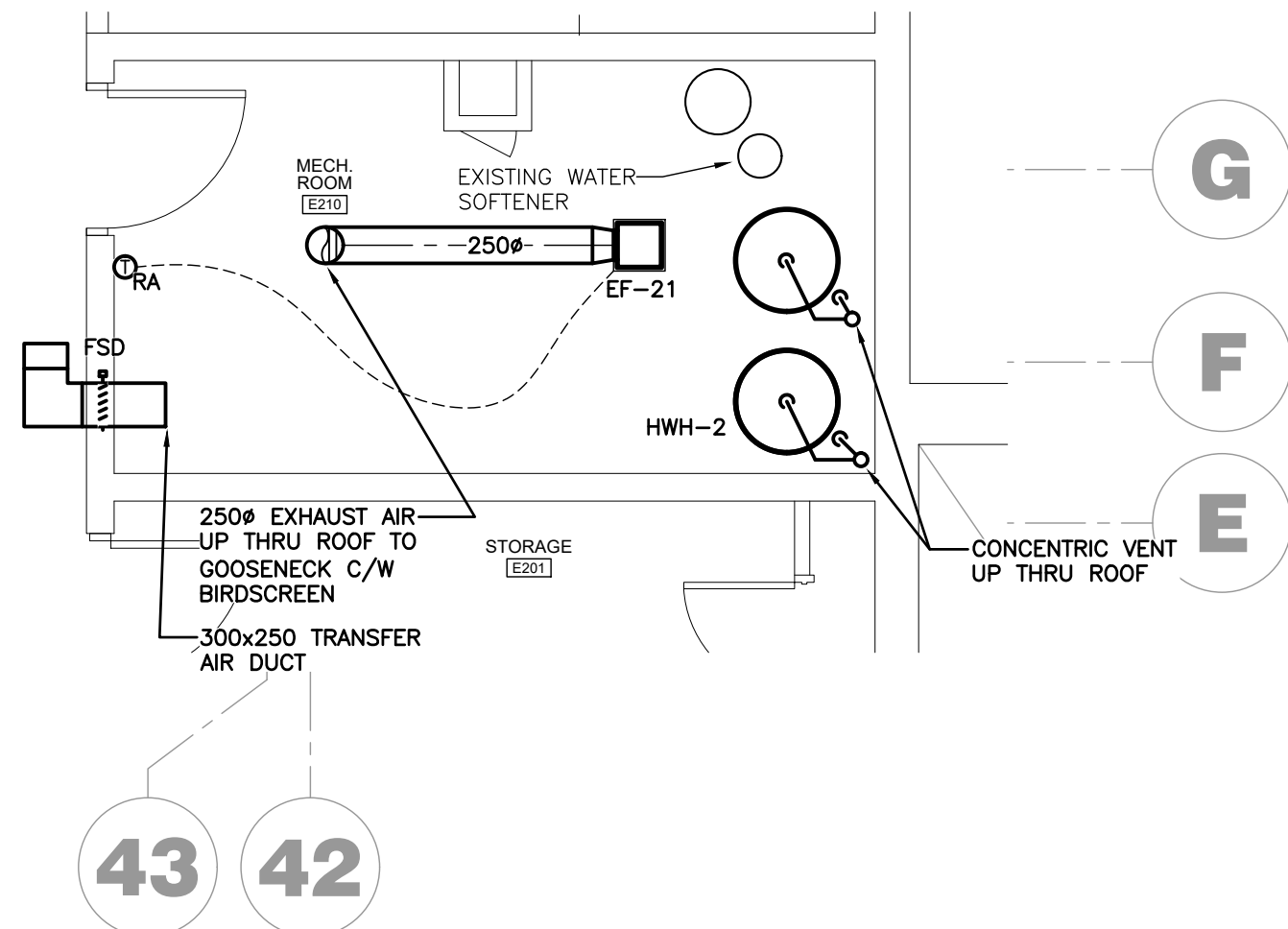
**WATER ENTRY BOILER ROOM
ENLARGED PLANS - AREA 'A2'**

DATE	REVISION	DATE	REVISION
MARCH 20 2024	ISSUED FOR BIOPERMIT		
DATE	REVISION	DATE	REVISION

PROJ. NO.	21-159
DATE	NOV 2022
DRAWN BY	RP
CHECKED	JA
SCALE	AS NOTED
DATE PLOTTED	3/20/2024
DRAWING NO.	M3.3

SPECIFIC DEMOLITION NOTES

- EXISTING SUPPLY AIR DUCTING INTO THIS ROOM TO BE CUT BACK, REMOVED COMPLETE, AND CAPPED AT TRUNK DUCT.
- EXISTING COMBUSTION AIR VENT THRU ROOF TO BE REMOVED COMPLETE.
- EXISTING OUTDOOR AIR VENT THRU ROOF TO BE REMOVED COMPLETE.
- EXISTING GAS FIRED HOT WATER HEATER AND ALL ASSOCIATED PIPING TO BE DISCONNECTED AND REMOVED COMPLETE.
- EXISTING PIPEWORK TO BE REMOVED AS INDICATED IN SCHEMATIC FOR REPLACEMENT WITH NEW.
- EXISTING CIRCULATION PUMP TO BE REMOVED COMPLETE.
- EXISTING HW & HW RECIRC TO KITCHENS TO BE REMOVED COMPLETE. CW SUPPLY TO REMAIN.
- RETAIN EXISTING HW BRANCH TO SERVERY E211.
- RETAIN EXISTING HW BRANCH TO 2ND FLOOR WASHROOMS.
- GAS THRU ROOF TO BE REMOVED COMPLETE.
- REMOVE EXISTING FLOOR DRAIN AND PREP FOR NEW 800 FLOOR DRAIN.



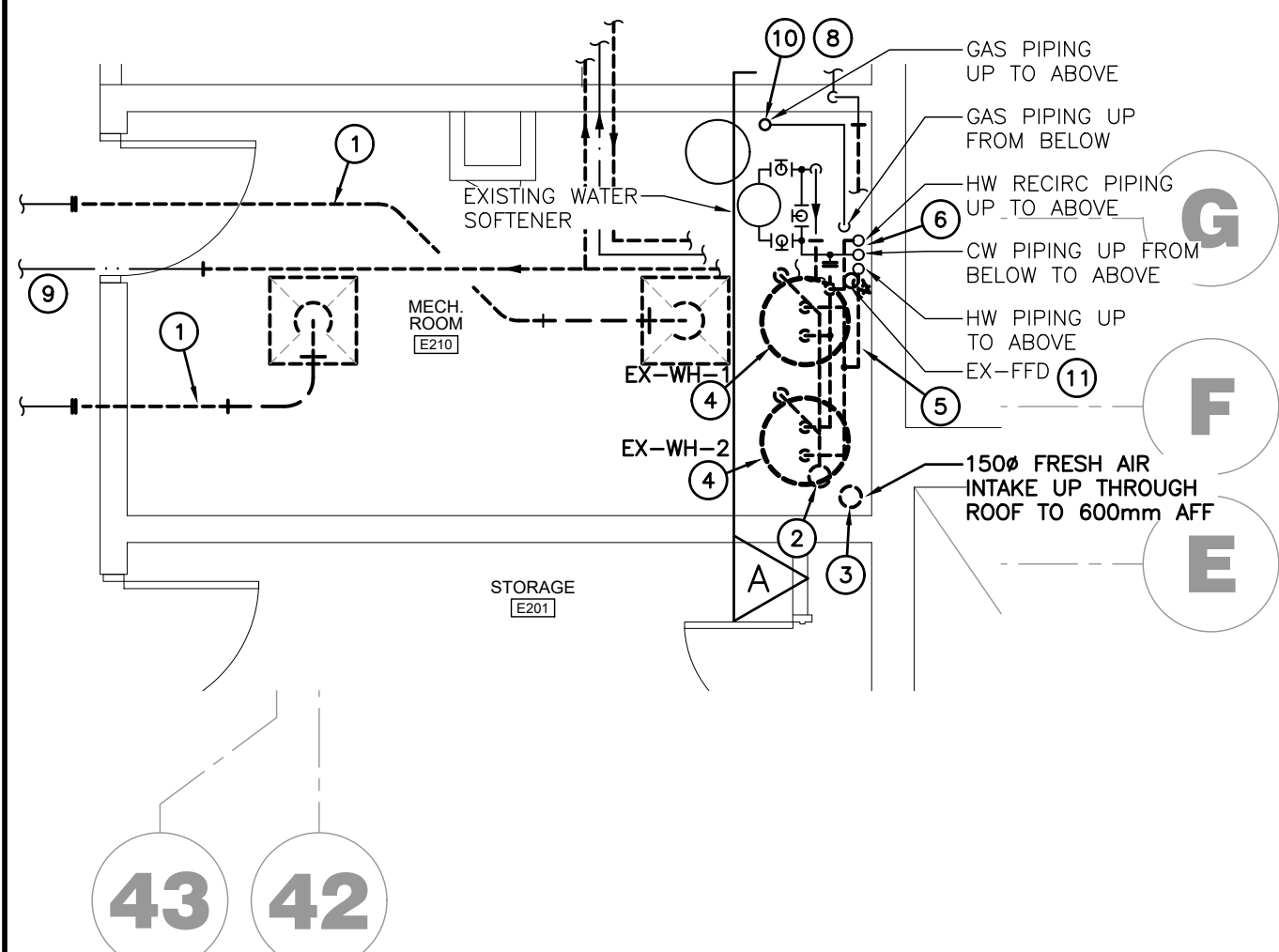
2ND FLR MECH RM E210 PART PLAN HVAC - DEMO

SCALE: 1:50

IDENTIFIED PRICE - DHW

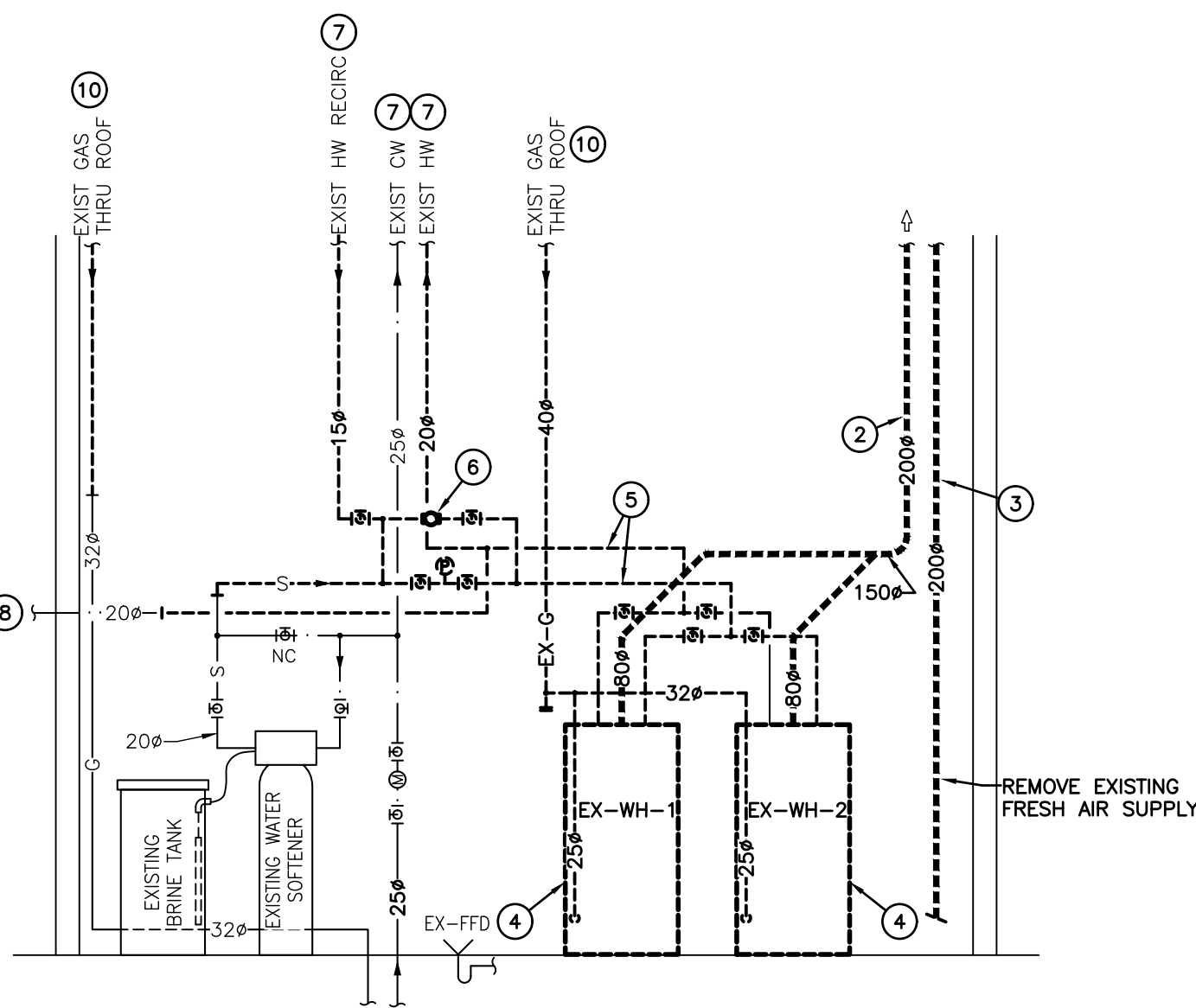
THE FOLLOWING ITEMS ARE TO BE INCLUDED IN IDENTIFIED PRICE FOR SCHOOL HOT WATER SYSTEM:

- ALL C&HW, HW RECIRC, & GAS PIPING IN HOT WATER ROOM E210.
- NEW HOT WATER HEATER HWH-2.
- NEW HOT WATER CIRC PUMP C-3.
- NEW HOT WATER EXPANSION TANK ET-4.
- VENTING THROUGH ROOF FOR HOT WATER HEATER HWH-2.



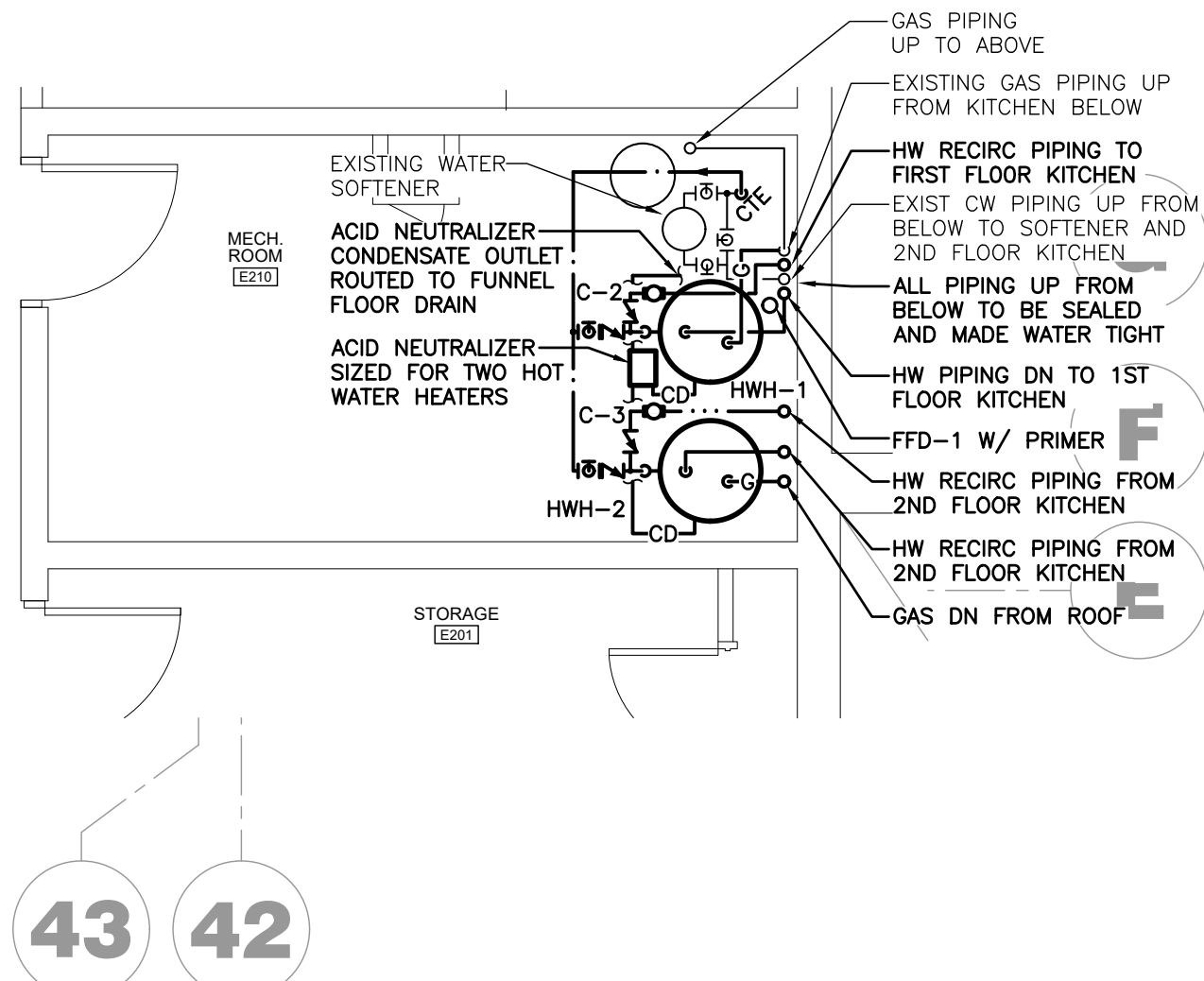
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SCALE: 1:50



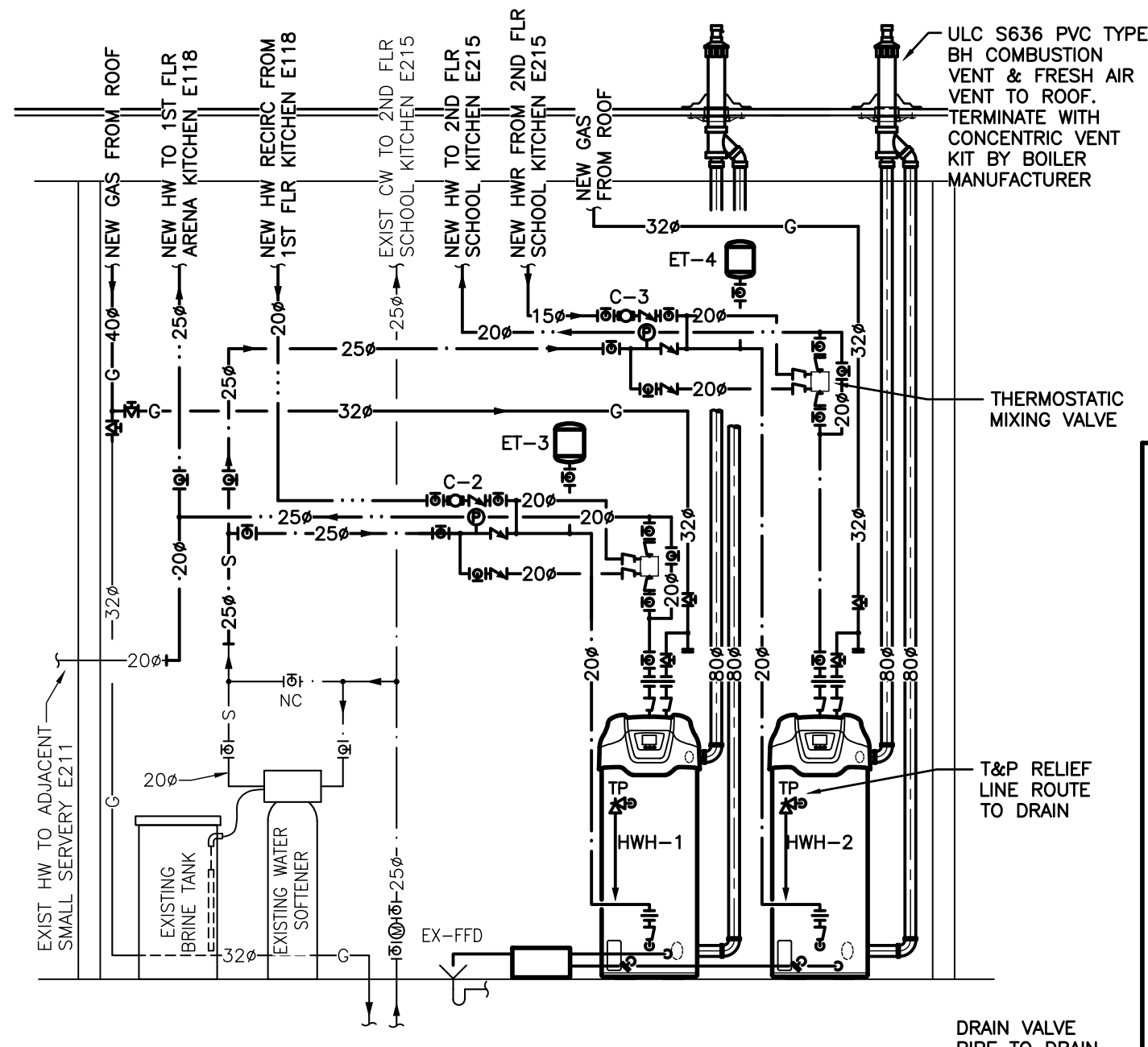
2ND FLR MECH RM E210 PIPING SCHEMATIC - DEMO

SCALE: NTS



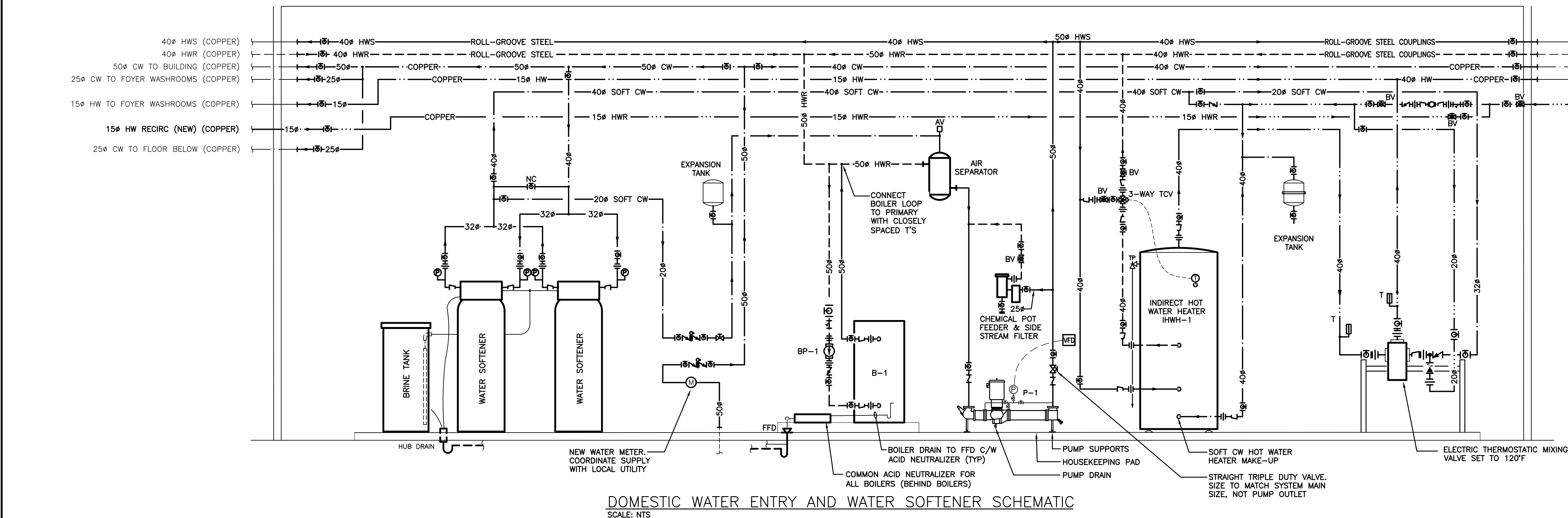
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SCALE: 1:50



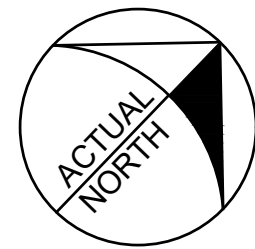
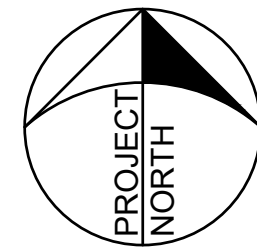
2ND FLR MECH RM E210 PIPING SCHEMATIC - RENO

SCALE: NTS



DOMESTIC WATER ENTRY AND WATER SOFTENER SCHEMATIC

SCALE: NTS



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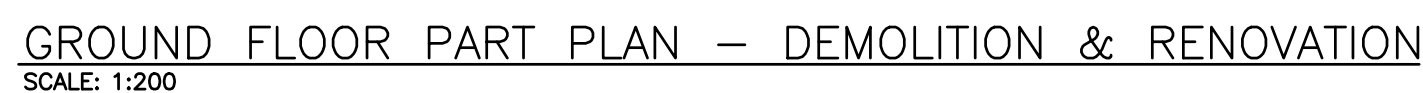
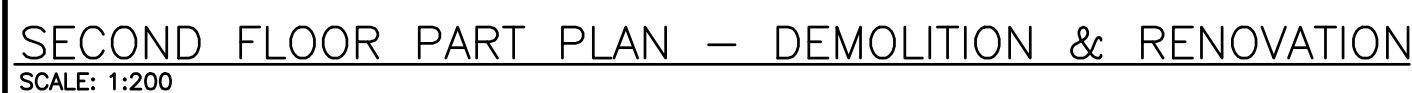


PROJECT RENOVATIONS FOR
ERIN COMMUNITY CENTRE
14 BOLAND DRIVE
ERIN ONTARIO

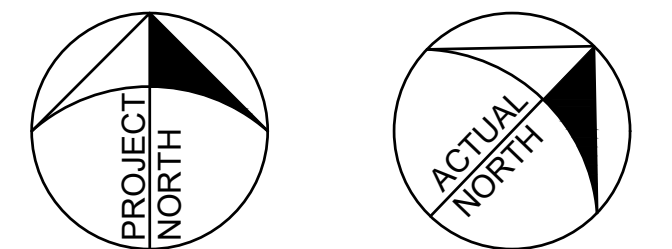
SHEET TITLE
BOILER ROOM SCHEMATICS & 2ND FLR HOT WATER ROOM

DATE	REVISION	DATE	REVISION
MARCH 20 2024	ISSUED FOR BIOPERMIT		

PROJ. NO.	21-159
DATE	NOV 2022
DRAWN BY	RP
CHECKED	JA
SCALE	AS NOTED
DATE PLOTTED	3/20/2024
DRAWING NO.	M3.4



ALL LOCATIONS WITH ARCHITECTURAL MODIFICATIONS REQUIRE FIRE SUPPRESSION SYSTEM REVISIONS.



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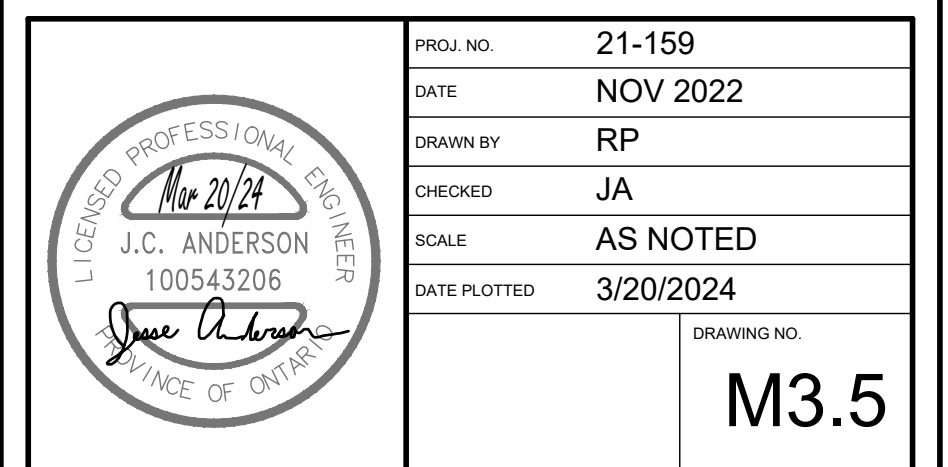
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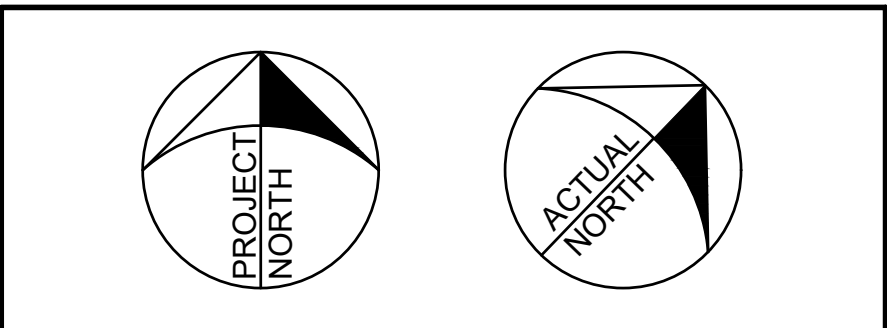
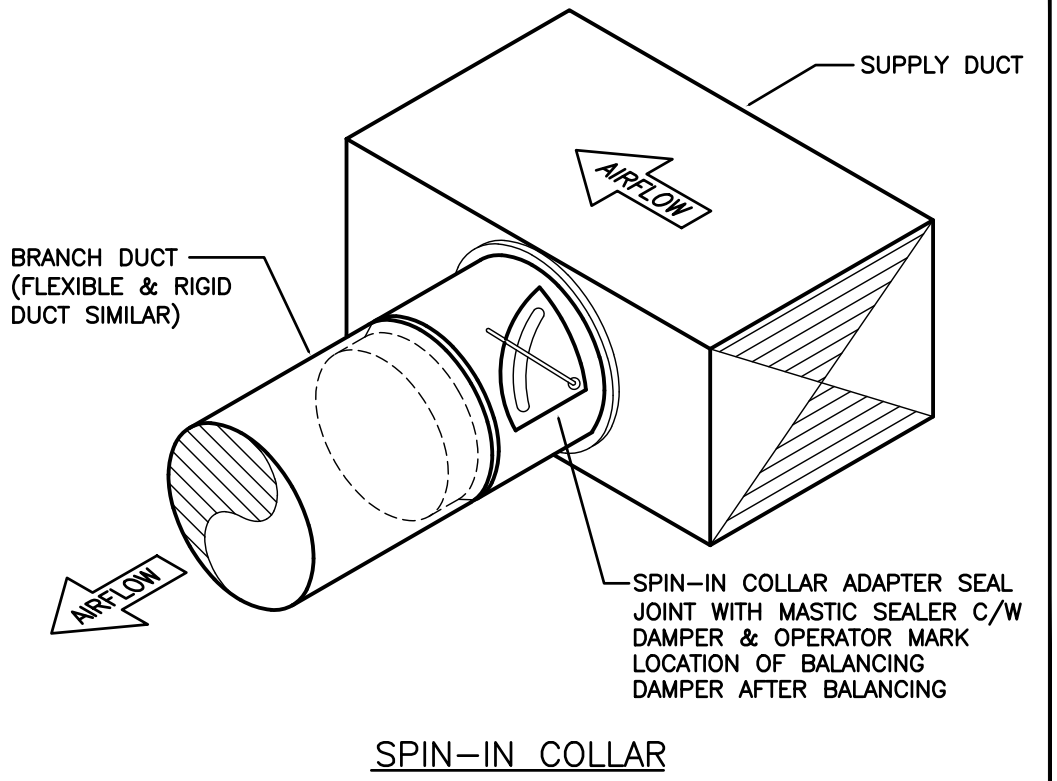
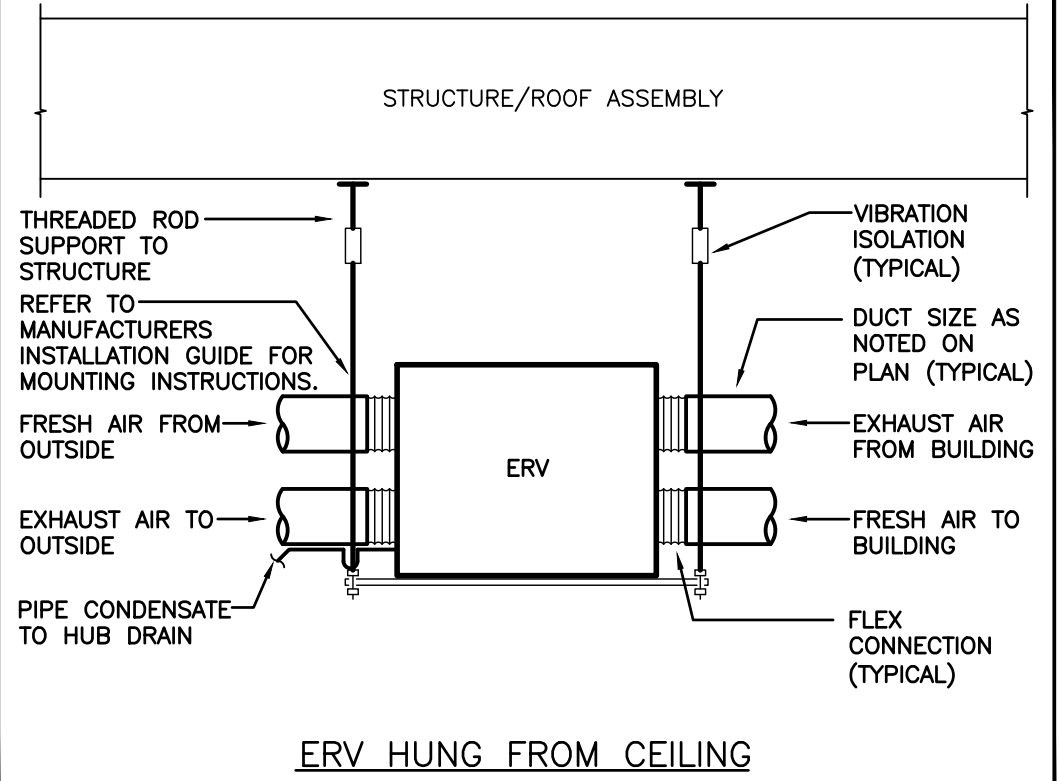
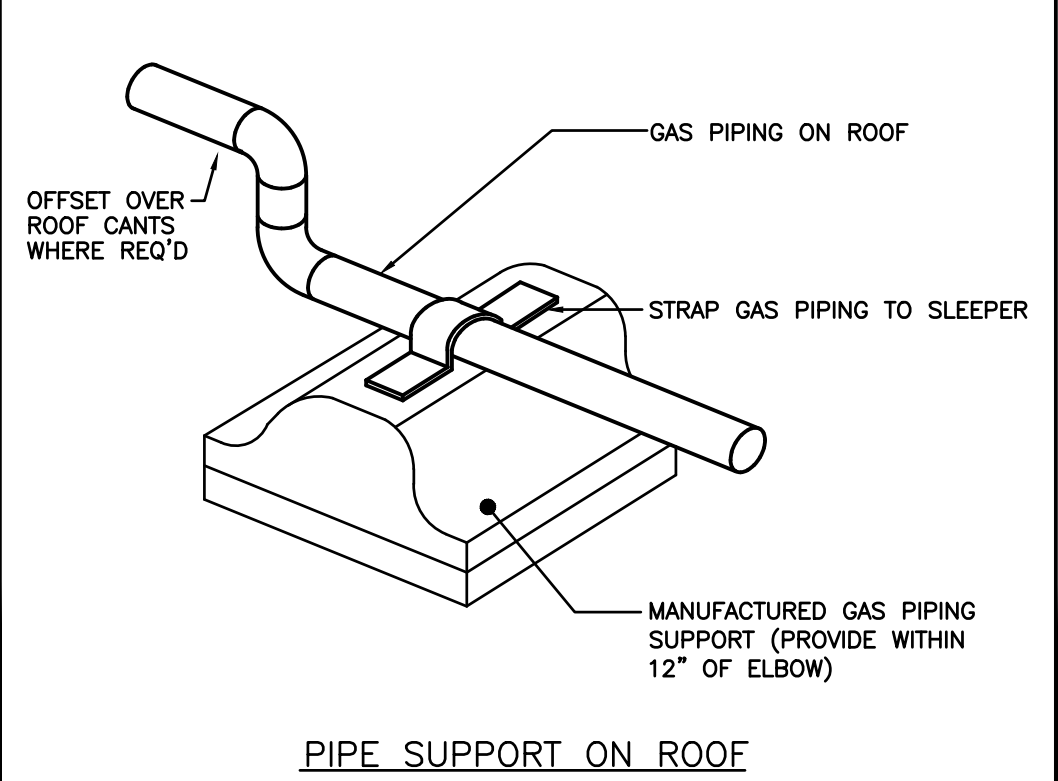
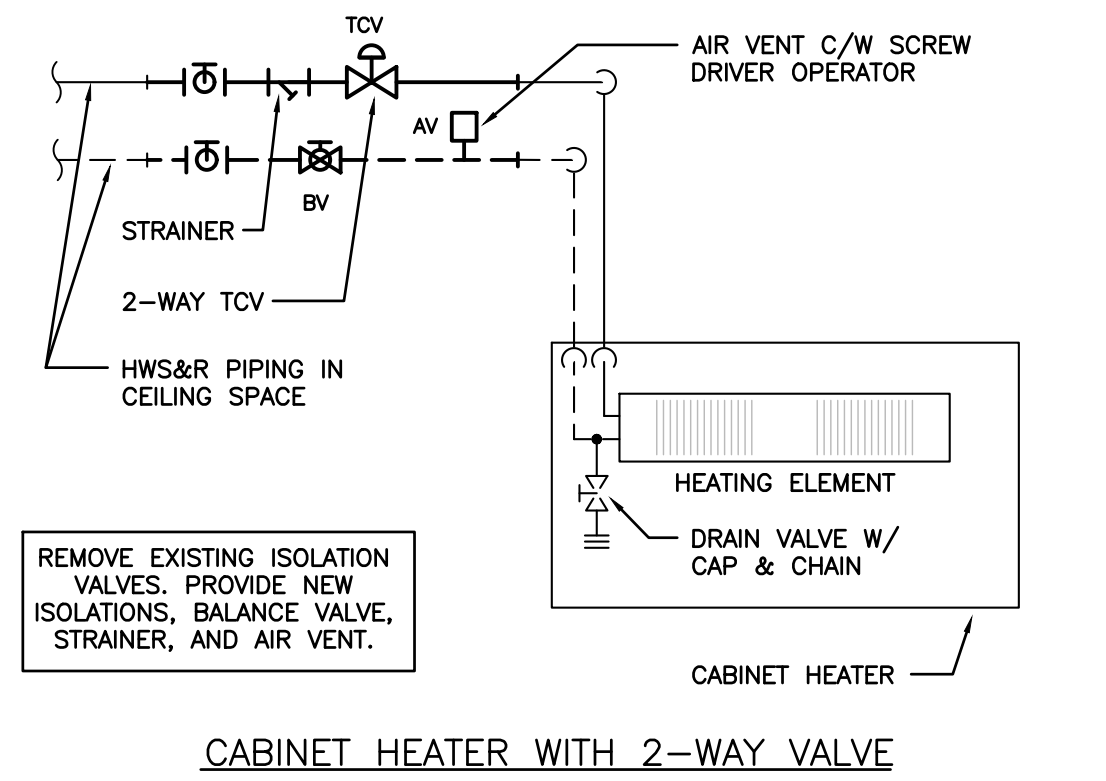
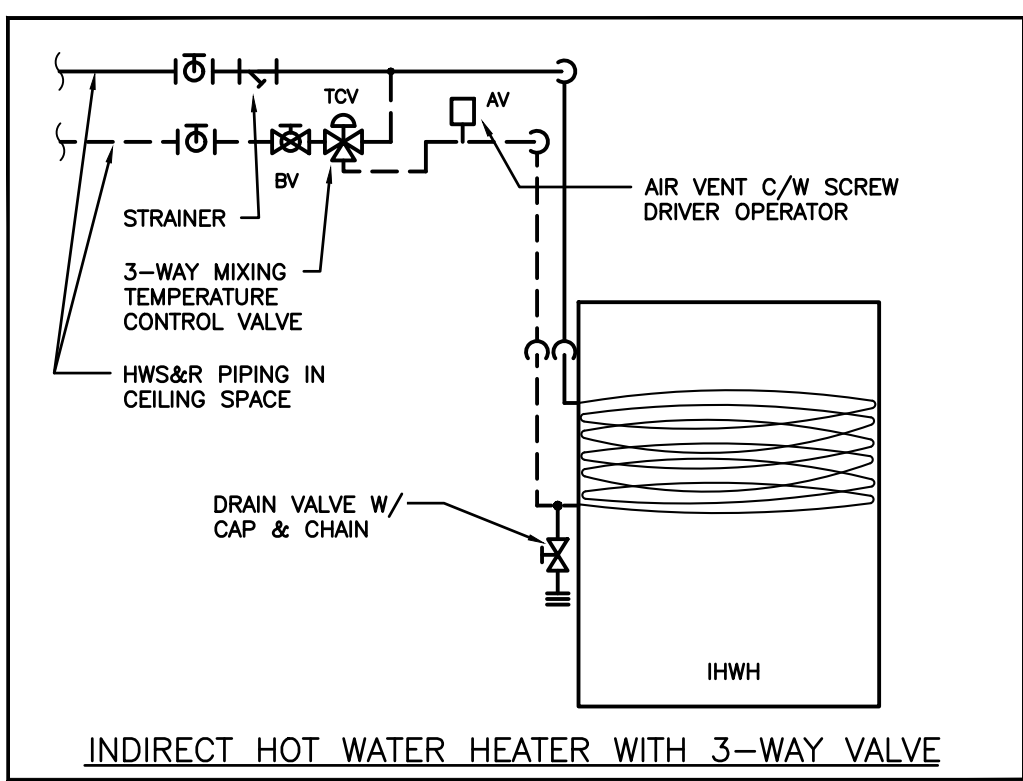
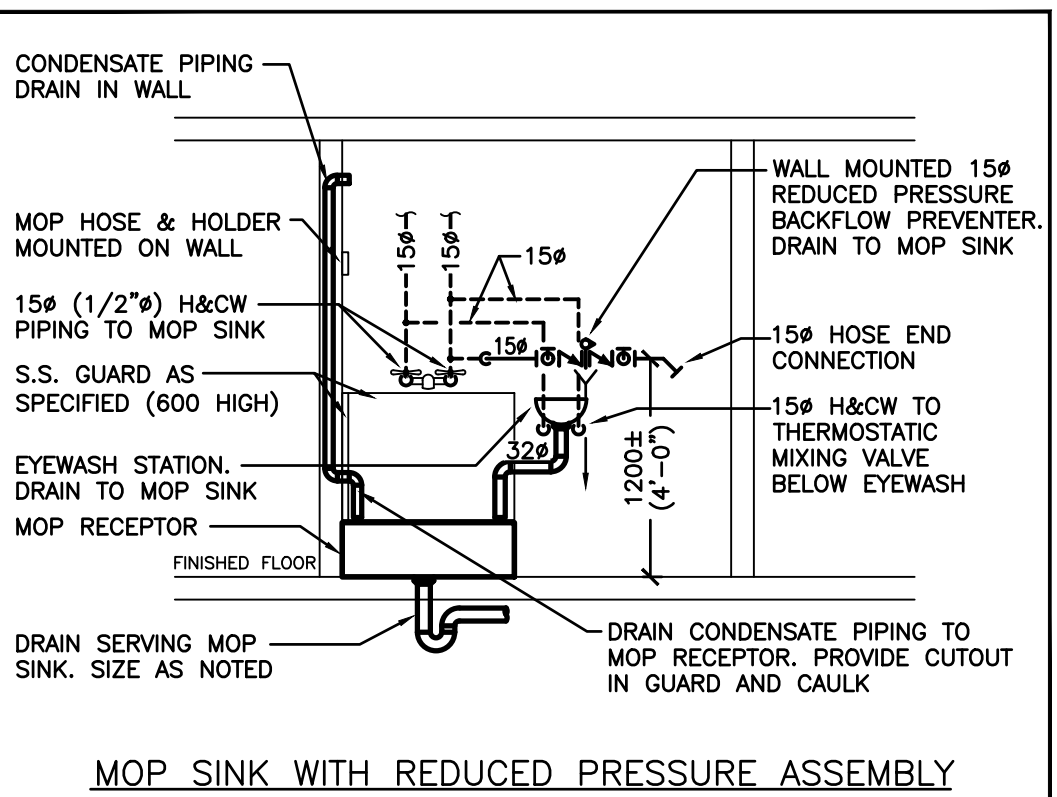
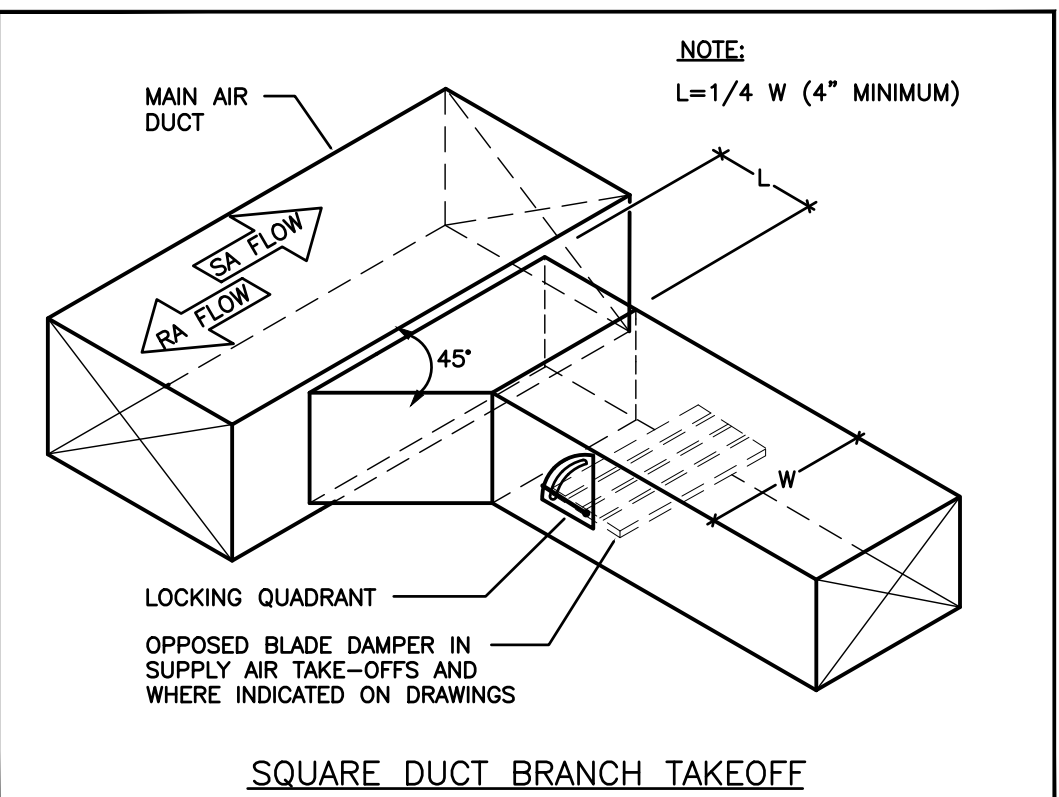
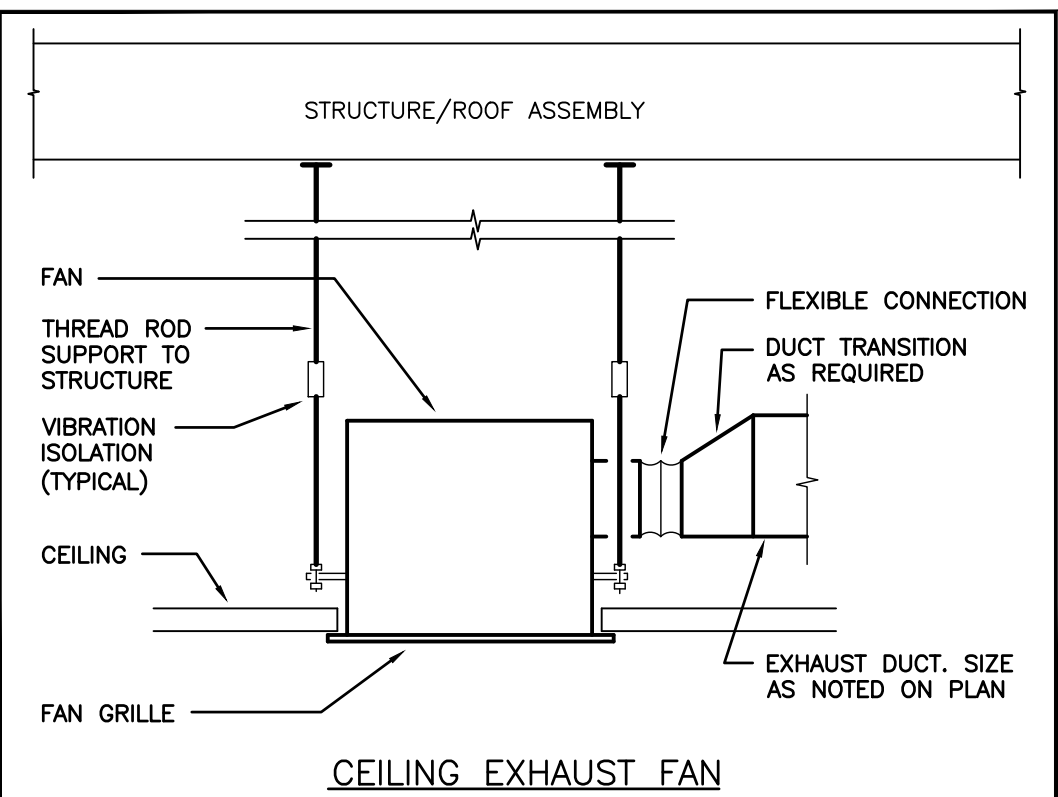
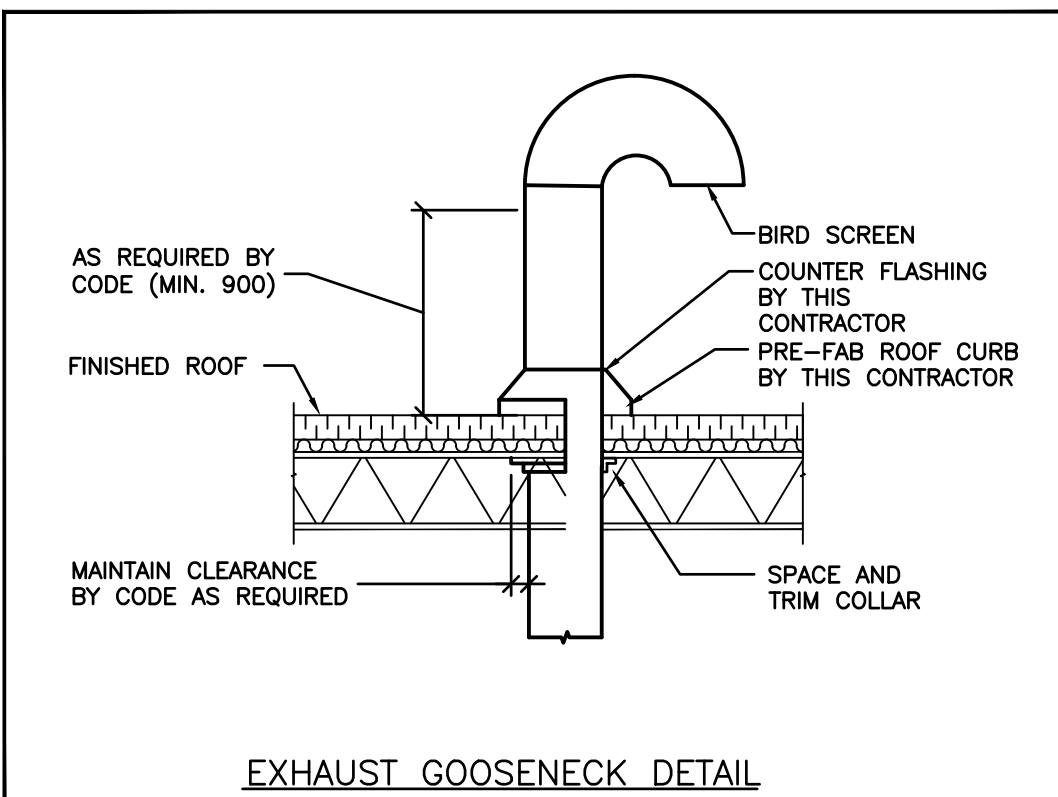
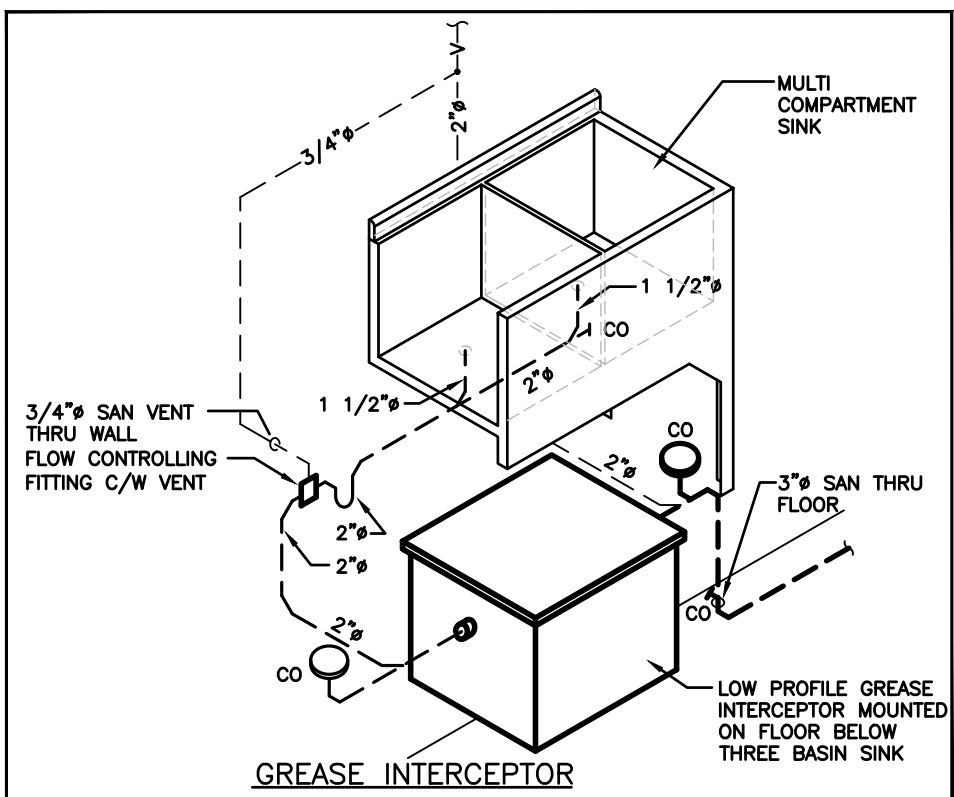
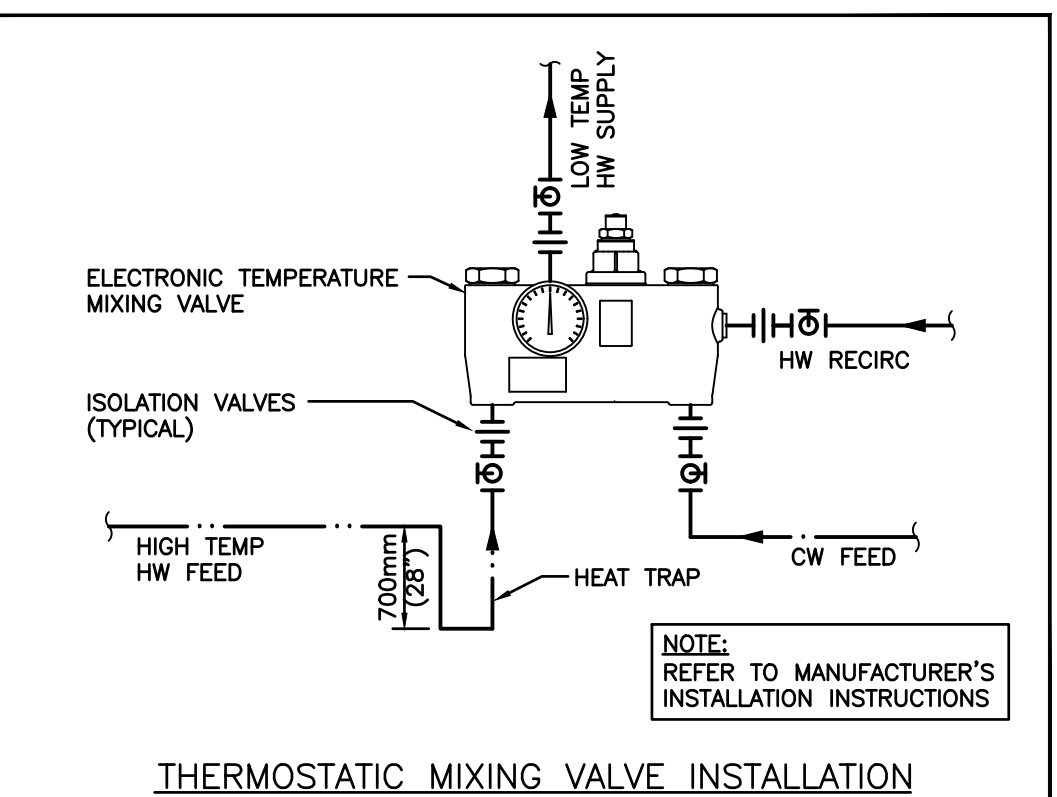
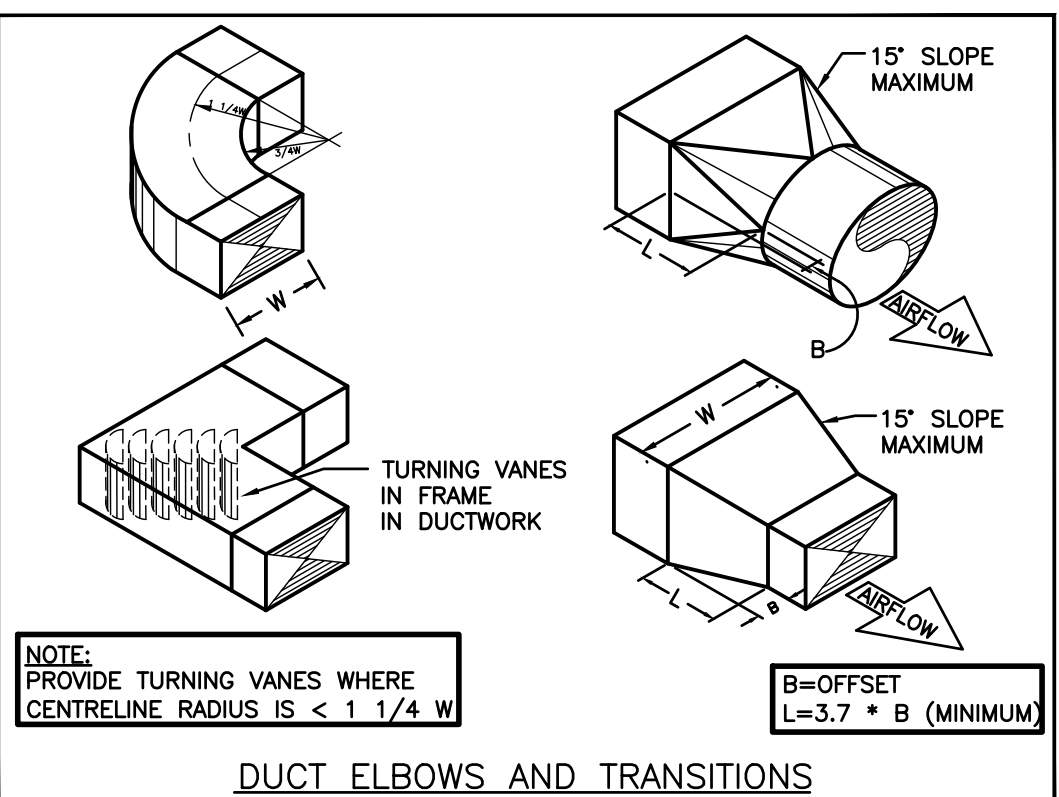
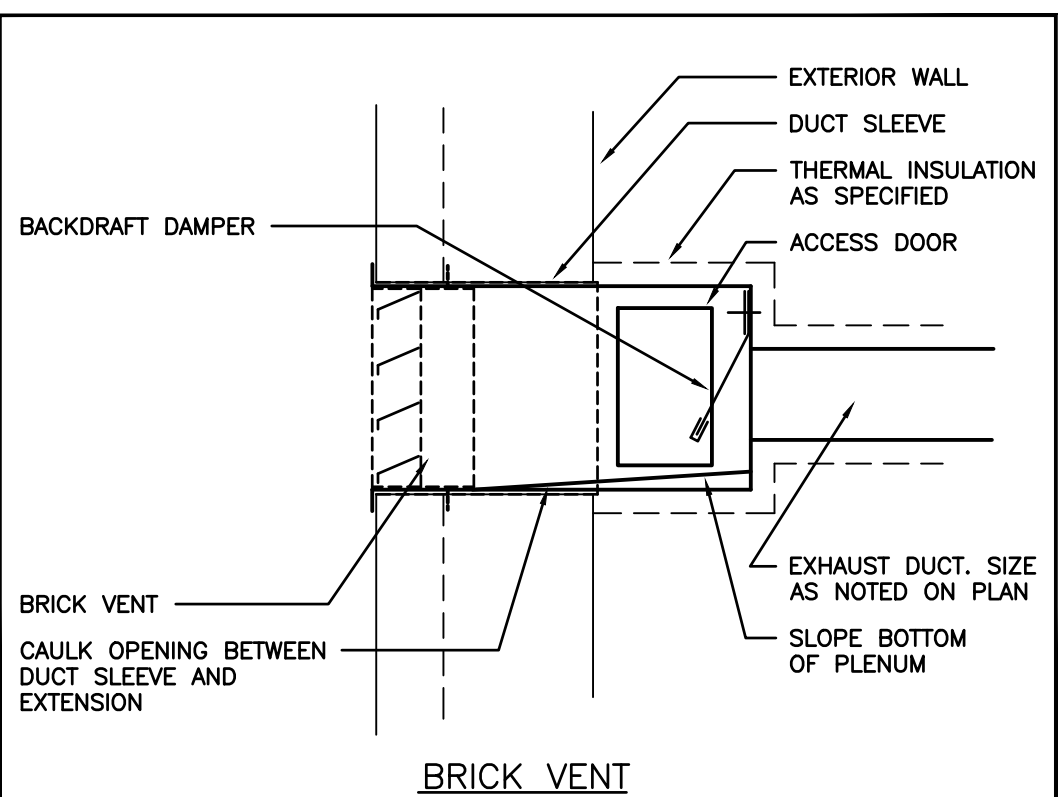
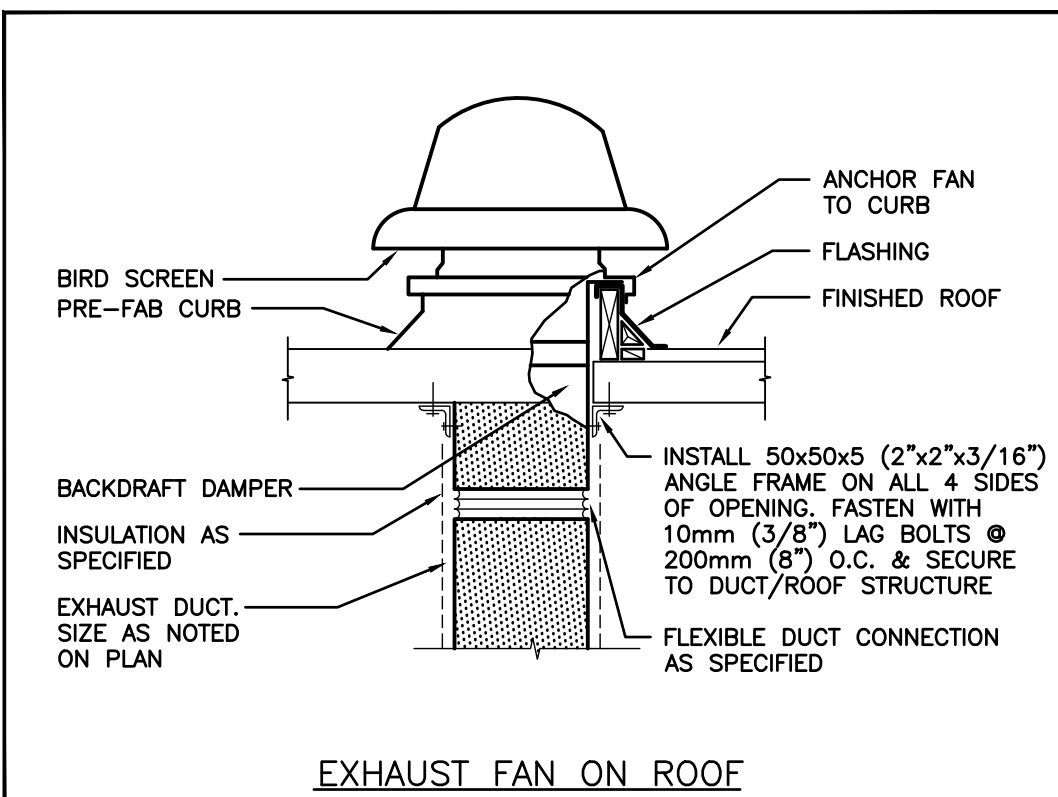
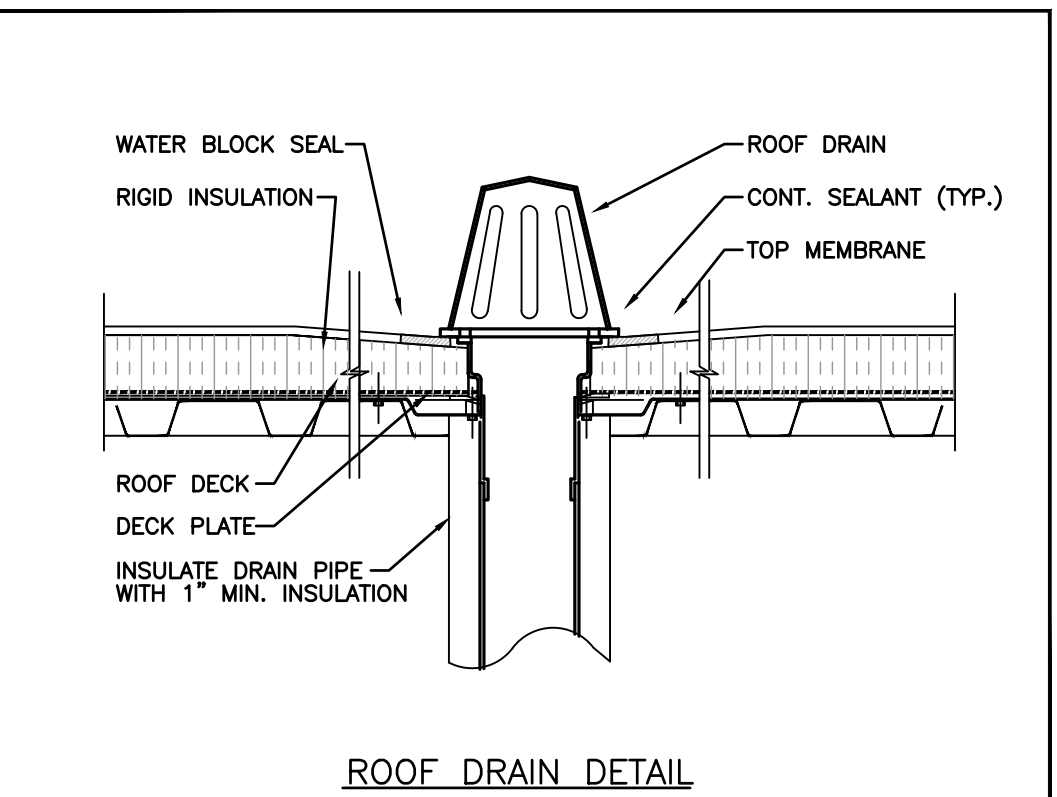
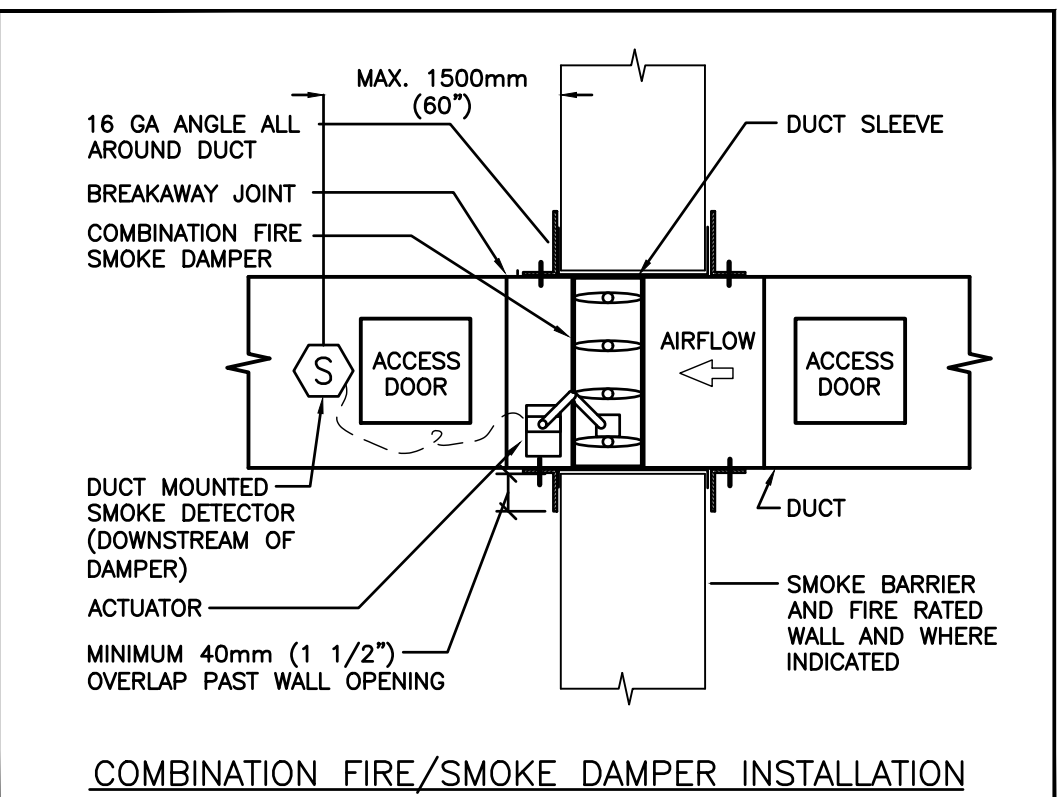
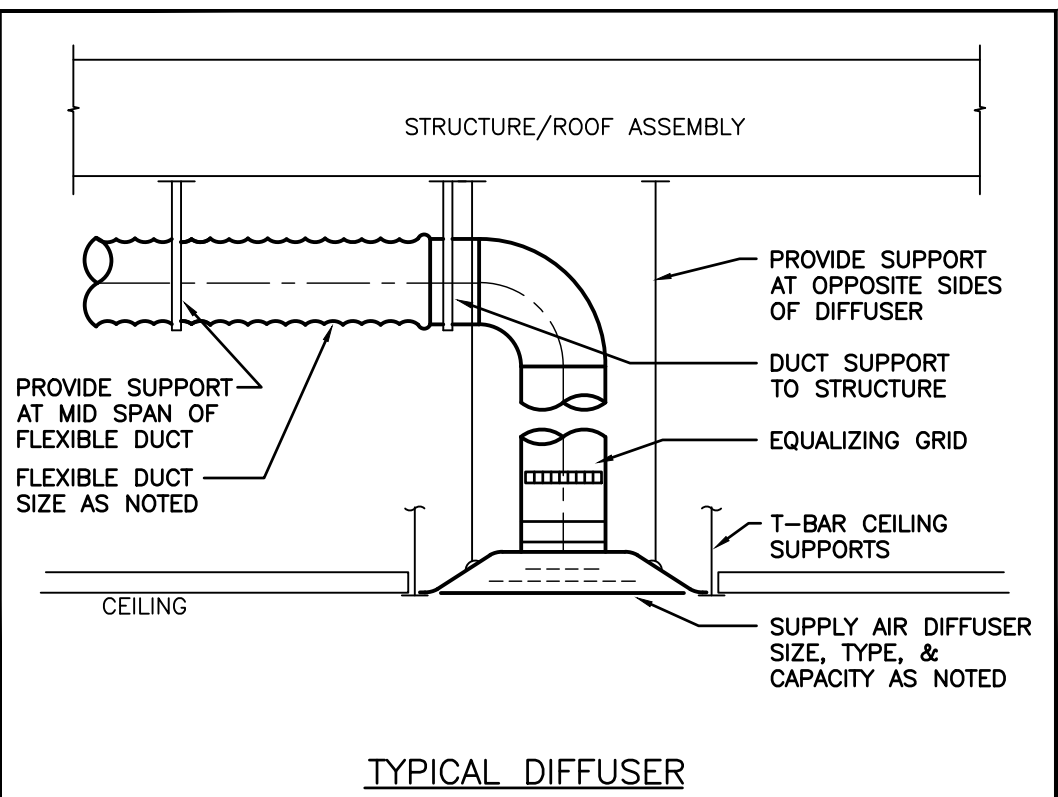
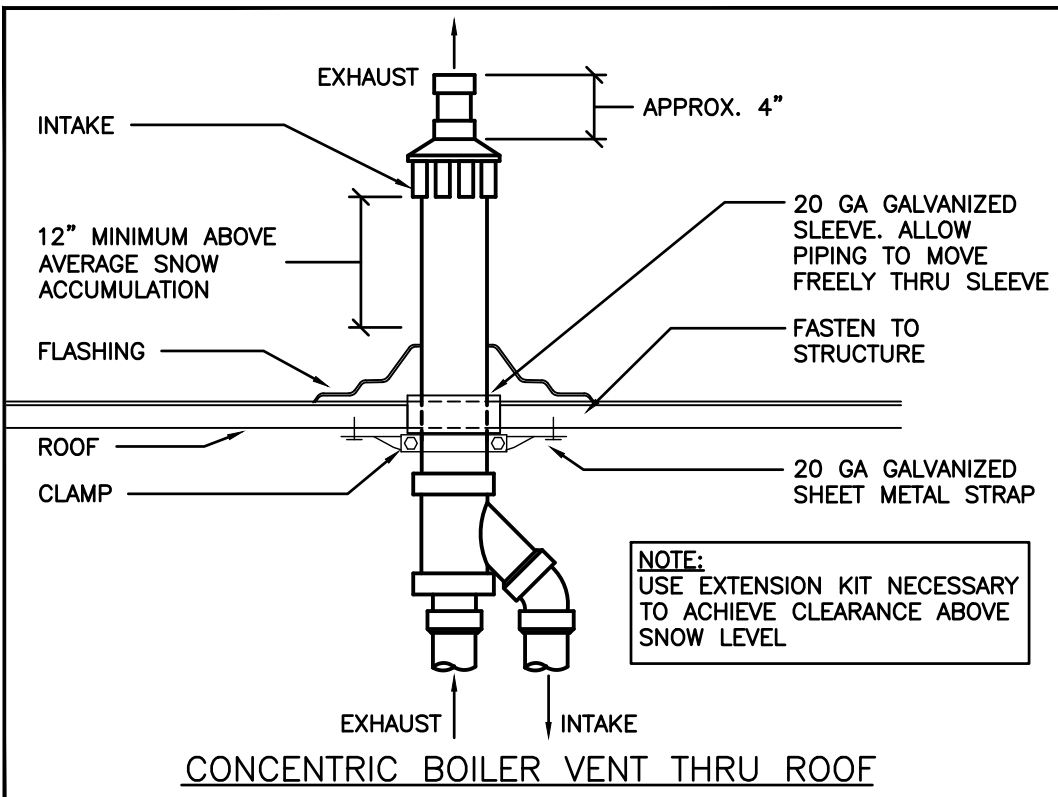
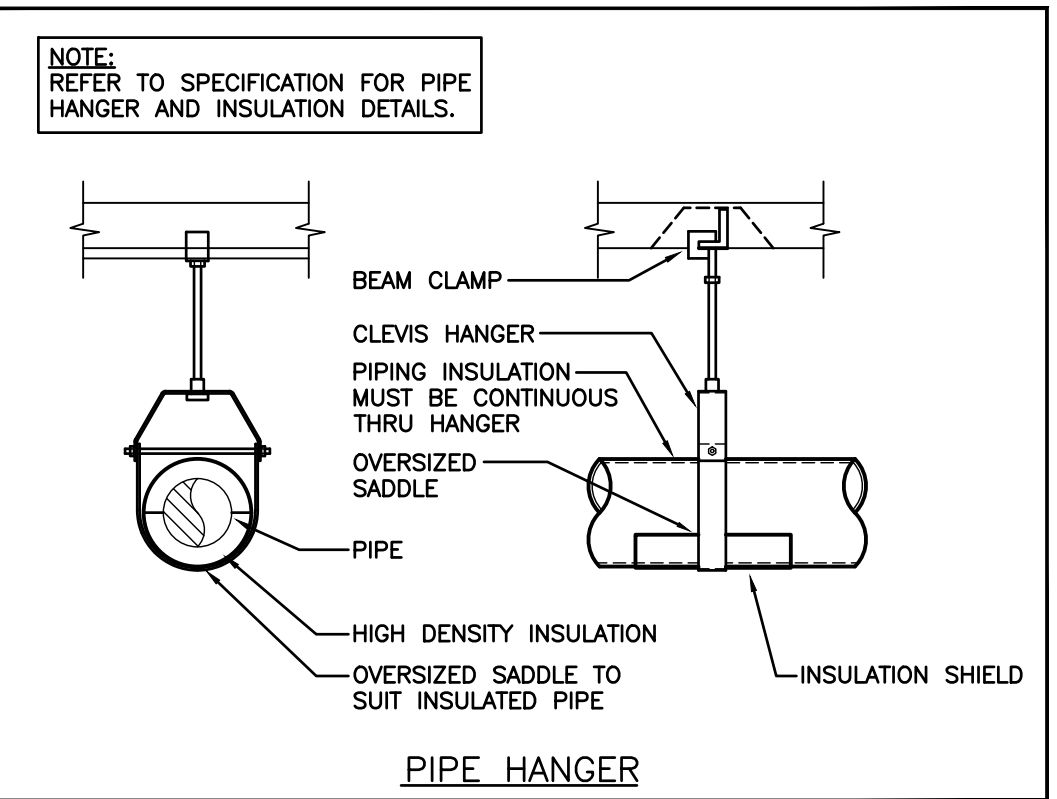
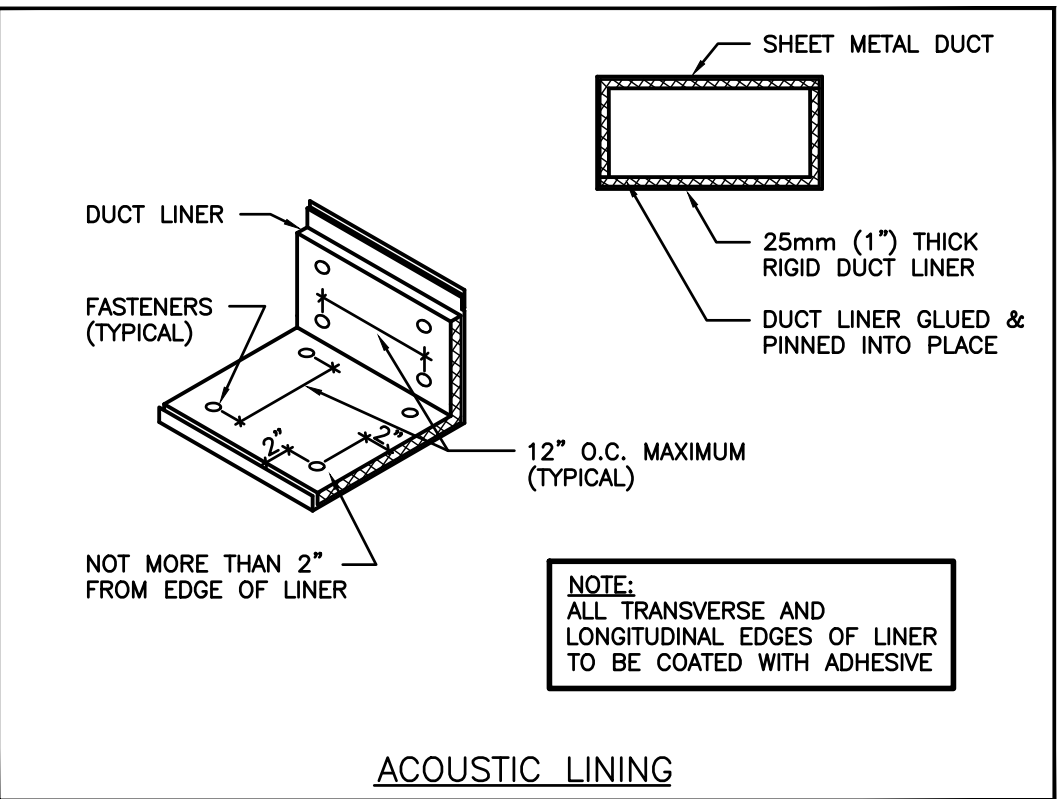
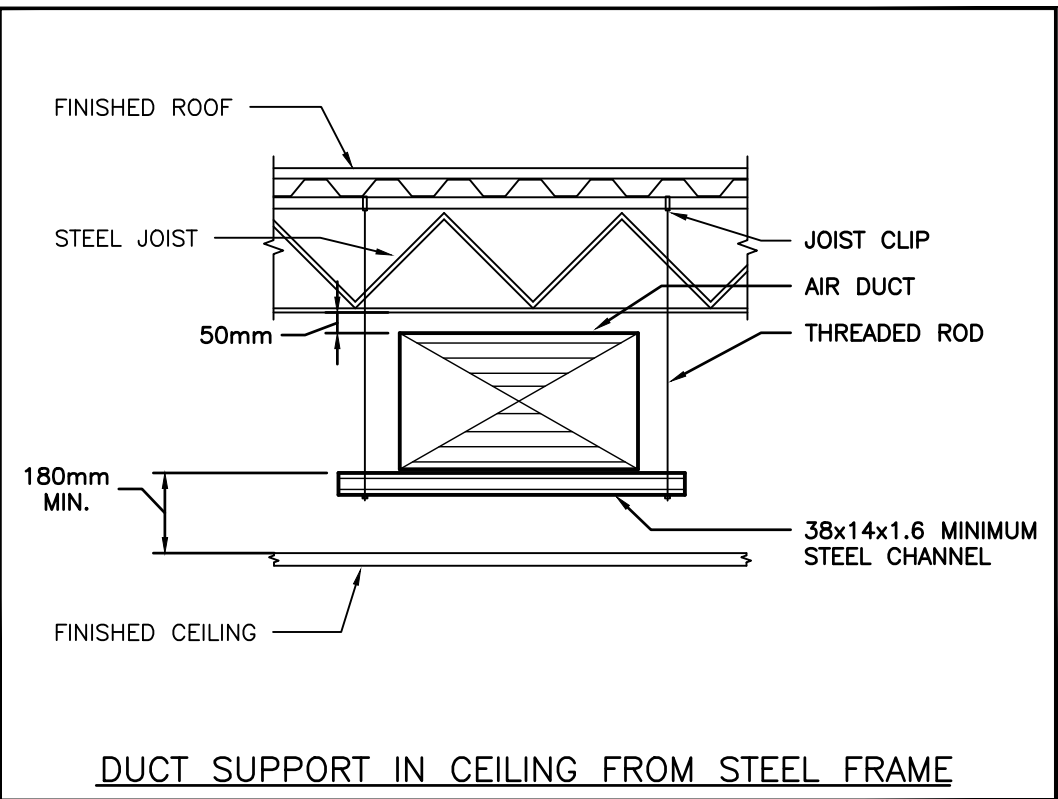
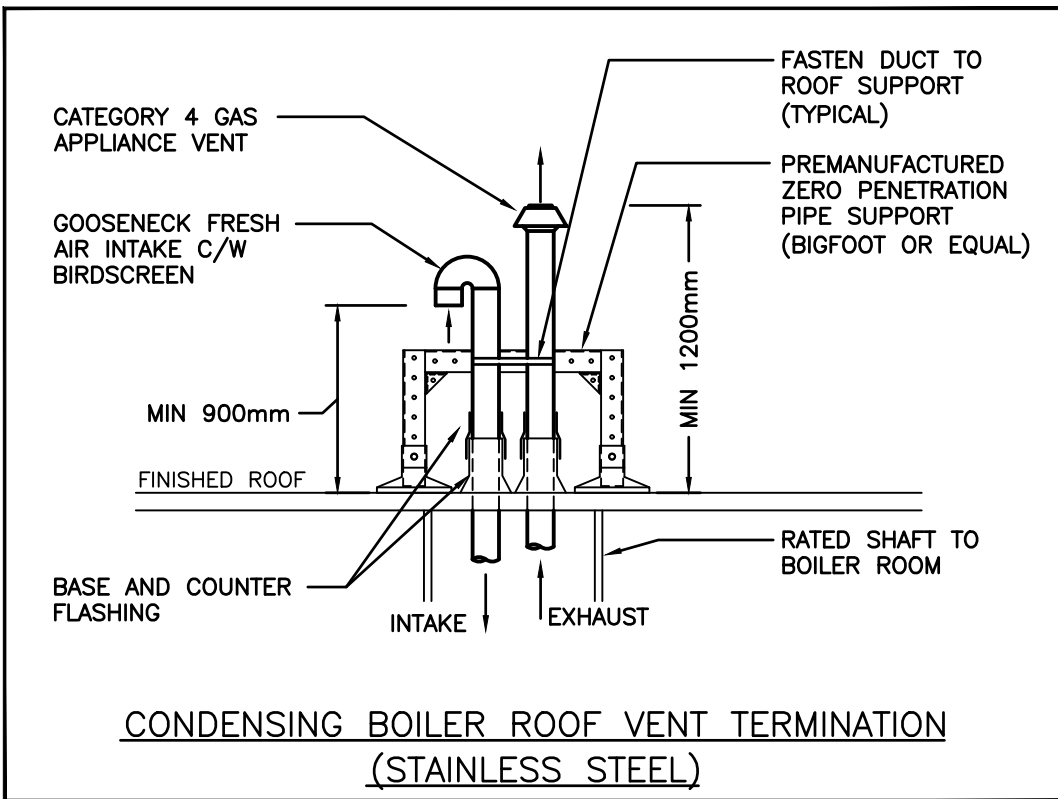
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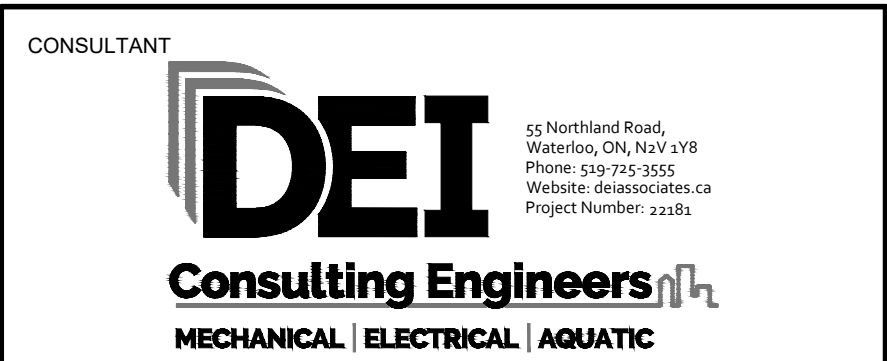
PROJECT	RENOVATIONS FOR
ERIN COMMUNITY CENTRE	
14 BOLAND DRIVE	
ERIN	ONTARIO
SHEET TITLE	
Fire Protection Part Plans - Demo/Reno	

MARCH 20	ISSUED FOR				
2024	BID/PERMIT				
△ DATE	REVISION		△ DATE	REVISION	





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PROJECT RENOVATIONS FOR
ERIN COMMUNITY CENTRE
14 BOLAND DRIVE
ERIN ONTARIO
SHEET TITLE
DETAILS

DATE	REVISION	DATE	REVISION
MARCH 20 2024	ISSUED FOR BID/PERMIT		

PROJ. NO.	21-159
DATE	NOV 2022
DRAWN BY	RP
CHECKED	JA
SCALE	AS NOTED
DATE PLOTTED	3/20/2024
DRAWING NO.	M4.1