

GENERAL NOTES

- A. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PREPARED SPECIFICATION.
- B. CONTRACTOR TO INCLUDE COST FOR CONSULTANT TO COMPLETE ELECTRONIC CAD AS-BUILT DWGS (ALL PAGES). REFER TO SPEC SECTION 20 02 51 - RECORD DWGS.
- 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 VENT PIPING IS NOT SHOWN. PROVIDE ALL NECESSARY VENT 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 VENT LOCATION(S) WITH GENERAL CONTRACTOR. MAINTAIN MIN 14"-0" FROM ANY AIR INLET. INSTALL VENT PIPING HIGH IN JOIST SPACE.
- E. WHERE DUCTWORK PENETRATES CORRIDOR WALL, CENTER DUCT(S) BETWEEN OWSJ.
- F. CO-ORDINATE WITH THE GENERAL CONTRACTOR ANY OWSJ BRIDGING/CROSS BRACING RELOCATION OR REMOVAL/REPLACEMENT REQUIRED FOR INSTALLATION OF DUCTWORK.
- G. UPON COMPLETION OF THE PROJECT OR UPON COMPLETION OF EACH INDIVIDUAL PHASE OF THE PROJECT THE CONTRACTORS SHALL PROVIDE THE FOLLOWING CERTIFICATES BEFORE CONFORMANCE LETTERS ARE ISSUED BY THE CONSULTANT:
- POTABLE WATER TEST (SEE SPEC 22 11 16 PART 3)
  - BACKFLOW TEST CERTIFICATE(S) FOR ALL TESTABLE DEVICES
  - COPY OF MANDATORY TSSA/CSA-B149 GAS PRESSURE TEST TAG
  - MECHANICAL SEISMIC RESTRAINT ENGINEER'S INSPECTION/CONFORMANCE LETTER
  - DATA ROOM FIRE SUPPRESSION SYSTEM TEST
  - TSSA CERTIFICATE OF AUTHORIZATION FOR SPLIT AIR CONDITIONING SYSTEMS (EXCEEDING 5 TONS)
  - TSSA TEST CERTIFICATE FOR COMPRESSED AIR SYSTEM
  - GAS DETECTION SYSTEM COMMISSIONING REPORT (SEE SPEC SECTION 25 05 21 PART 3)
- ALL CERTIFICATES ARE TO BE SUBMITTED TOGETHER IN A SINGLE PACKAGE.

MECHANICAL LEGEND

Item	Description	Item	Description
	CUT EXISTING & CONNECT NEW PIPING		VALVE ON RISER
	FLOW DIRECTION		BALANCING VALVE
	POTABLE COLD WATER		SUPERVISED VALVE
	POTABLE HOT WATER		WATER METER
	POTABLE HOT WATER RECIRC.		FLOOR CLEANOUT
	EXISTING SAN BELOW FLOOR		LINE CLEANOUT
	SANITARY ABOVE FLOOR		PRESSURE GAUGE
	SANITARY BELOW FLOOR		TEMPERATURE GAUGE
	STORM ABOVE FLOOR		THERMOMETER
	STORM BELOW FLOOR		PRESSURE REDUCING VALVE
	CONDENSATE DRAIN		THERMOSTAT (WITH GUARD WHERE INDICATED)
	VENT		REVERSE ACTING THERMOSTAT
	NATURAL GAS		GAS DETECTION SENSOR (GAS AS INDICATED)
	COMPRESSED AIR		HUMIDISTAT
	FLOOR DRAIN		OCCUPANCY SENSOR
	TRAP PRIMER		OUTSIDE AIR TEMP SENSOR
	TEE CONNECTION		SLAB TEMP SENSOR
	PIPE DOWN		DOOR SWITCH
	PIPE UP		SUPPLY AIR DUCT
	FLEXIBLE CONNECTION		RETURN/EXHAUST AIR DUCT
	REDUCER/INCREASER		ACOUSTIC DUCT LINING
	CHECK VALVE		THERMAL INSULATION
	REDUCED PRESSURE BACKFLOW PREVENTOR		BRANCH LINE SPIN-IN COLLAR C/W BALANCING DAMPER
	UNION		TRUNK MAIN BRANCH COLLAR C/W BALANCING DAMPER
	STRAINER		BALANCING DAMPER
	SCREWED OR WELDED PIPE CAP		MOTORIZED DAMPER
	PLUG VALVE		FIRE DAMPER
	BALL VALVE		FIRE/SMOKE DAMPER
	BUTTERFLY VALVE		RECTANGULAR DUCTWORK
	NORMALLY OPEN		RIGID ROUND DUCT
	NORMALLY CLOSED		FLEXIBLE ROUND DUCT
	GATE VALVE		DIFFUSER/GRILLE SIZE (imp), TYPE & CAPACITY (cfm)
	CONTROL VALVE ACTUATOR		ACCESS DOOR
	SOLENOID VALVE		R1, 24x12 RETURN GRILLE
	AIR VENT		PRESSURE GAUGE

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.

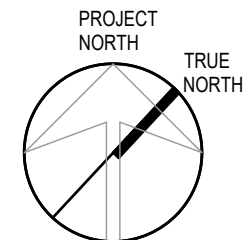
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.

Do not scale this drawing.

© 2025 DEI Consulting Engineers

REVISIONS:

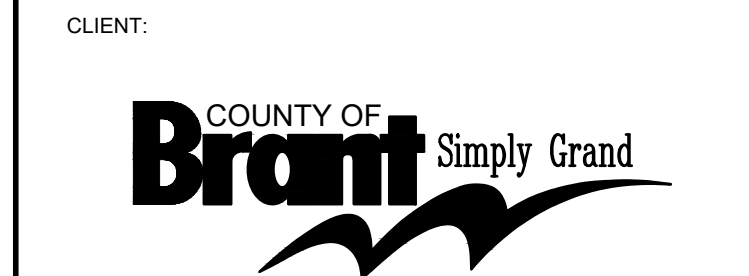
NO.:	DATE:	ISSUED:
1.	2024.11.29	ISSUED FOR 60% COORDINATION
2.	2024.12.20	RE-ISSUED FOR 60% COORDINATION
3.	2025.02.14	ISSUED FOR CLASS A COST ESTIMATION
4.	2025.05.20	ISSUED FOR PERMIT
5.	2025.06.05	ISSUED FOR REVIEW
6.	2025.06.13	REISSUED FOR PERMIT
7.	2025.07.09	ISSUED FOR TENDER



PROJECT:

**NORTH PARIS FIRE STATION**

**21 ANN WILSON WAY (SCOTT AVE)**



COUNTY PROJECT NO.:

**CPS-RFT-25-03**

DRAWING TITLE:

**KEY PLAN, LEGEND, & SITE PLAN**

DATE: 2025.07.09 | DRAWING NO.:

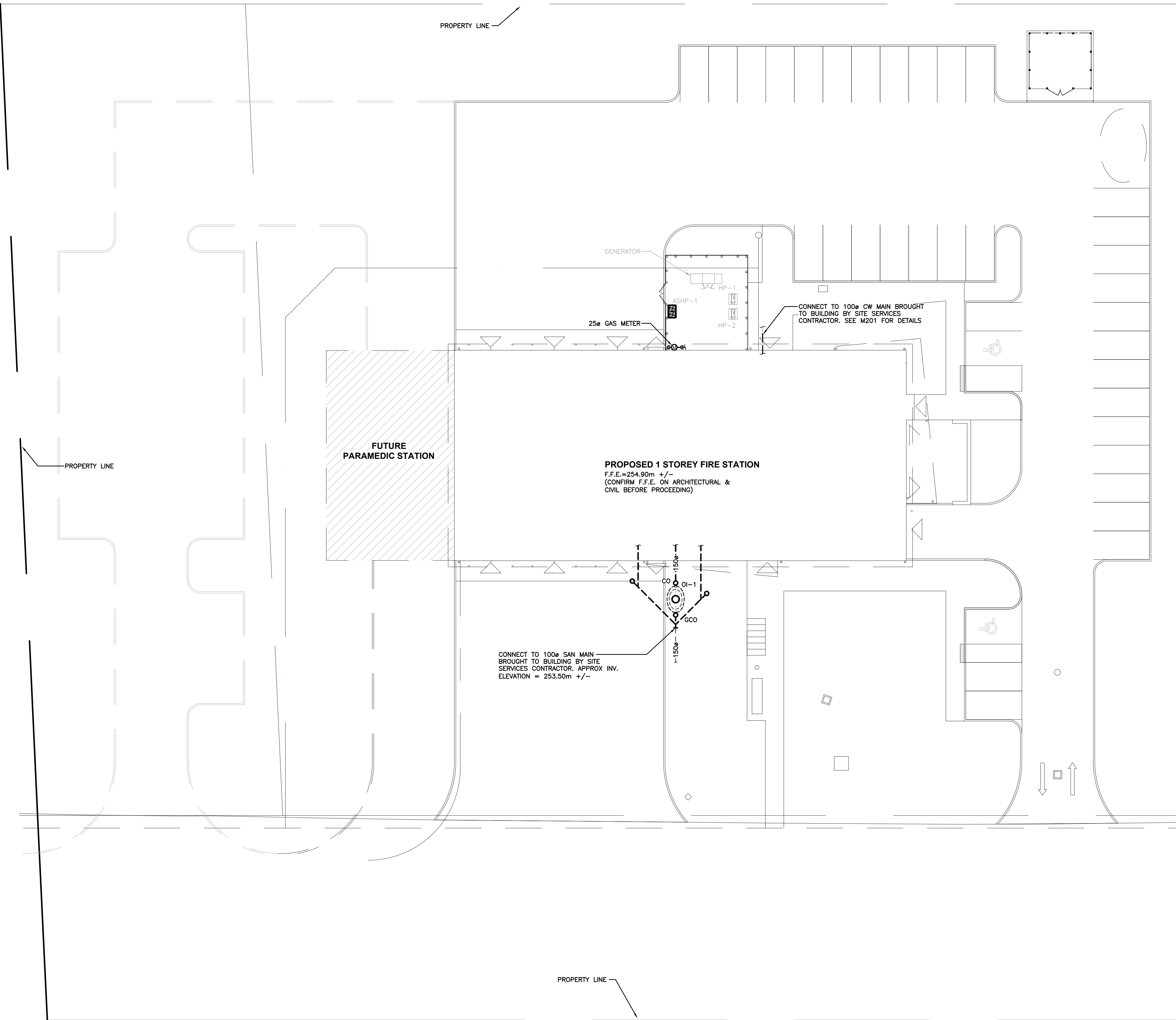
SCALE: As Noted

DRAWN: SVA

STATUS: TENDER

JOB NO.: 2411

**M101**

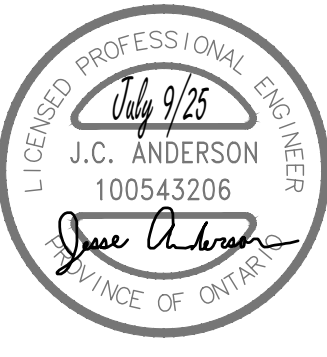


SITE PLAN  
SCALE: 1:200

PLUMBING FIXTURE SCHEDULE ( 1 OF 2)													
Item	Type	Connection Sizes					Fixture		Trim		Accessories		
		HW	CW	TW	Drain	Vent	Acceptable Manufacturer	Fixture Description	Acceptable Manufacturer	Trim Description	Acceptable Manufacturer	Accessory Description	
WC-1	WATER CLOSET FLUSH TANK		1/2		3	1 1/2	AMERICAN STANDARD CADET 2462 016,3481 016 KOHLER WELLWORTH K-3505 MANSFIELD QUANTUM 147-123 ZURN Z5530-IN	VITREOUS CHINA, TANK WITH LINER & PRESSURE ASSISTED, SIPHON JET, ELONGATED RIM, METAL CHROME TRIP LEVER, TWO PIECE (TANK & BOWL) CLOSE COUPLED, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.6 gal) PER FLUSH.			SEAT: BEMIS 2155SSCT CENTOCO AM500STSCSS	SEAT: WHITE, ELONGATED, OPEN FRONT, LESS COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.	
WC-2	BARRIER FREE WATER CLOSET FLUSH TANK, 16" HIGH		1/2		3	1 1/2	AMERICAN STANDARD CADET 2467 016,3483 016 KOHLER HIGHLINE K-3493 MANSFIELD QUANTUM 148-123 ZURN Z5550-IN	BARRIER FREE, 16" TALL TO RIM, VITREOUS CHINA, TANK WITH LINER & PRESSURE ASSISTED, SIPHON JET, ELONGATED RIM, METAL TRIP LEVER TWO PIECE (TANK & BOWL) CLOSE COUPLED, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.6 gal) PER FLUSH.			SEAT: BEMIS 7850TDG CENTOCO AM820STS	SEAT: WHITE, ELONGATED, OPEN FRONT WITH COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.	
U-1	URINAL FLUSH VALVE		3/4		2	1 1/2	AMERICAN STANDARD WASHBROOK 6590.005 KOHLER BARDON K-4904-ET ZURN Z5750	VITREOUS CHINA, WASHOUT TYPE, INTEGRAL FLUSHING RIM, EXTENDED SHIELDS, INTEGRAL TRAP, BACK OUTLET, WALL-MOUNTED, TOP SUPPLY SPUD, MIN 2" TRAP WAY, MAXIMUM 1.9 litres (0.5 gal) PER FLUSH. C/W FLOOR MOUNTED CARRIER	DELTA 81T231 ZURN Z600SAV-EWS SLOAN 186 HEU-0.5	CHROME PLATED, NON-HOLD-OPEN, EXPOSED, DIAPHRAGM, EXTERNALLY ADJUSTABLE, WITH NPS 20 MM (3/4") ANGLE SCREWDRIVER STOP, OSCILLATING HANDLE, WALL AND SPUD FLANGE, VACUUM BREAKER. ULTRA LOW FLUSH CYCLE: SET TO 3.8 LITRES (1.0 GAL)/FLUSH.			
L-1	B.F. DOUBLE LAV INTEGRAL COUNTERTOP ELECTRONIC FAUCET	1/2	1/2		1 1/4	1 1/4	SLOAN ELC-82000	ADA COMPLIANT, SOLID SURFACE 2-STATION WALL MOUNTED SINK INTEGRAL COUNTERTOP, COUNTERTOP SIZES: 1524mm x 457mm x 519mm. 2 SEPARATE BASINS. STANDARD NEAR WHITE, TEXTURED COLOUR (CONFIRM W/ ARCH).	SLOAN EAF-225	HARDWIRED ELECTRONIC FAUCET. COMMERCIAL GRADE, ADA COMPLIANT, DIE-CAST METAL WITH INTEGRAL WATER PROOF INFRA-RED SENSOR AND CONNECTOR. ADJUSTABLE SENSING RANGE AND TIME OUT. CHROME FINISH. VANDAL RESISTANT AERATOR HAVING INTEGRAL FLOW CONTROL FOR 1.0gpm (3.8 L/MIN) @ 413 KPA (60 PSI) MAX. UNDER COUNTER PLASTIC SURFACE MOUNTED HOUSING FOR SOLENOID AND CONTROLLER. HARDWIRED BY ELECTRICAL.		WASTE FITTING: OPEN GRID STRAINER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.  PROVIDE FLOOR MOUNTED WALL CARRIER. PROVIDE C/W ELC-45-A UNDER CABINET COVER & ELC-58 ACCESS PANEL. PROVIDE C/W SOAP DISPENSER (CONFIRM EXACT MODEL W/ ARCHITECTURAL PRIOR TO PURCHASE).	
L-2	B.F. WALL MOUNTED LAV ELECTRONIC FAUCET	1/2	1/2		1 1/4	1 1/4	AMERICAN STANDARD LUCERNE 355.012 KOHLER BRENHAM K-1997 ZURN Z5344	WALL-HUNG SINK, VITREOUS CHINA, WITH SPLASH LIP, SUPPLY OPENINGS ON 100 MM (4") CENTRES, OVERFLOW. SIZE: 557 MM X 502 MM (21 15/16" X 19 3/4").	DELTA 591T0220 MOEN COMMERCIAL CAB301-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. HARDWIRED BY ELECTRICAL.	INSULATION: MCGUIRE PROWRAP PWV8902 TRUEBRO LAV GUARD	INSULATION: INSULATE WASTE AND SUPPLIES WITH UL LISTED PREFORMED INSULATION SYSTEM COMPLETE WITH SEAMLESS JACKET. WASTE FITTING: NPS 32 MM (1¼") OFFSET WASTE WITH OPEN GRID STRAINER. PROVIDE FLOOR MOUNTED WALL CARRIER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.	
S-1	LARGE STAINLESS STEEL DECONTAMINATION SINK	1/2	1/2		3	1 1/4	FRANKE SL2424-1	SINGLE COMPARTMENT SCULLERY SINK: 16 GAUGE (1.5mm) TYPE 304 (CNS 18/10) STAINLESS STEEL. POLISHED TO #4 SATIN FINISH. WASTE FITTING, ROLL RIM, WITH 229 mm (9") BACKSPLASH. SIZE: 691 mm X 695 mm X 356 mm (27 3/16" X 27 3/8" X 14").	KROWNE DX-109	WALL MOUNTED FAUCET: CHROME PLATED CAST BRASS WALL MOUNTED FAUCET C/W PULL DOWN HANDLE, 200 mm (8") CENTRESET LEVER HANDLES, 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).	WASTE FITTINGS: AMERICAN STANDARD 7798030 KOHLER K-6673 ZURN TS2900	WASTE FITTING: CAST BRASS TRAP WITH STAINLESS STEEL OUTLET STRAINER.  RIM GUARD: STAINLESS STEEL, CONTINUOUS ON THREE SIDES.	
DS-1	STAINLESS STEEL DOUBLE SINK	1/2	1/2		1 1/2	1 1/4	KINDRED LBD6408-1/3 NOVANNI 2007I	SINK: DOUBLE COMPARTMENT, LEDGE-BACK. FROM 1.0 mm (20 GAUGE) THICK TYPE 302 POLISHED STAINLESS STEEL, SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZES: 790 mm X 520 mm X 200 mm (31½" X 20 3/4" X 8").	DELTA 100 ZURN Z82300-CP8 MOEN COMMERCIAL 8701	FAUCET: CHROME PLATED BRASS, WITH SWING SPOUT, AERATOR, SINGLE LEVER HANDLE, WASHLESS CONTROLS. ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 kPa (60 psi).		WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT.	
SV-1	SHOWER SUPPLY VALVE	1/2	1/2						DELTA T17TH135 MOEN 5263EP17 & T8350 SYMMONS S-96-1	CHROME PLATED BRASS SUPPLY FITTINGS WITH VOLUME CONTROL. PRESSURE BALANCING MIXING VALVE, SCREWDRIVER STOPS, CHROME PLATED BALL JOINT FULLY ADJUSTABLE SPRAY PATTERN SHOWER HEAD WITH BENT SHOWER ARM AND ESCUTCHEON. PROVIDE ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 7.6 LITRES (2.0 GPM)/MINUTE AT 550 KPA (80 PSI).			
SV-2	BARRIER FREE SHOWER SUPPLY VALVE	1/2	1/2						DELTA T17TH335-25 MOEN 5263EP17, T8350 & 52236GBM SYMMONS S-96-1 C/W T-600B-36-V-72	BARRIER FREE CHROME PLATED BRASS COMBINATION SHOWER FITTING WITH VOLUME CONTROL. PRESSURE BALANCING MIXING VALVE OPERABLE USING CLOSED FIST AND FORCE NOT MORE THAN 22.2 N. SCREWDRIVER STOPS, CHROME PLATED BALL JOINT FULLY ADJUSTABLE SPRAY PATTERN SHOWER HEAD WITH BENT SHOWER ARM AND ESCUTCHEON, SLIDE BAR HANDHELD SHOWER WITH MINIMUM 1800mm FLEXIBLE METAL HOSE, MOUNTING BRACKET AND ESCUTCHEON. PROVIDE ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 7.6 LITRES (2.0 GPM)/MINUTE AT 550 KPA (80 PSI).			
ES-1	EMERGENCY SHOWER/EYE WASH	1.25	1.25				BRADLEY S19-314LL HAWS 8300-8309 GUARDIAN G1950	COMBINATION SHOWER AND EYE/FACE WASH SHALL INCLUDE AN ABS PLASTIC SHOWER HEAD, PLASTIC EYE/FACE WASH HEADS, STAINLESS STEEL ROUND BOWL, CHROME-PLATED BRASS STAY-OPEN BALL VALVE EQUIPPED WITH STAINLESS STEEL BALL AND STEM, AND CHROME-PLATED BRASS IN-LINE MESH WATER STRAINER. UNIT SHALL ALSO INCLUDE SCHEDULE 40 HOT-DIPPED GALVANIZED STEEL PIPE AND FITTINGS, POWDER-COATED FLOOR FLANGE, MIXING VALVE IS TO PROVIDE WATER TEMPERATURE BETWEEN 15.5°C (60°) AND 38°C (100°F) & UNIVERSAL SAFETY SIGN.		BRADLEY S19-2200 HAWS TWBS.SHE GUARDIAN G3800	TEMPERING VALVE TO BLEND HOT AND COLD WATER TO DELIVER TEPID WATER. AS REQUIRED BY ANSI Z358.1		
WS-1	WASHER SUPPLY VALVE	3/4	3/4				OATEY WMOB1	ENCASED WASHING MACHINE VALVE COMPLETE WITH SINGLE LEVER HANDLE VALVE, HEAVY-DUTY MOUNTING STRAPS, KNOCKOUTS FOR A RIGHT OR LEFT					
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 28T9	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. SEE ARCH PLAN FOR FULL EXTENT.	
DF-1	BARRIER FREE SINGLE DRINKING FOUNTAIN (W/ BOTTLE FILLER)	1/2			1 1/4	1 1/4	SLOAN DRS110	REFRIGERATED, FILTERED, INTEGRAL BACK, STRAINER, ACCESS PANEL AND GRILLE, ELEVATED BUBBLER BASES. FLEXI-GUARD SAFETY BUBBLER, PUSH-BUTTON OPERATOR, SELF-REGULATING, ANGLE STREAM, SQUIRT-PROOF, WITH NOZZLES AND GUARDS. COORDINATE COLOUR WITH ARCHITECT.			ELKAY MLP100	CARRIER: IN-WALL CARRIER FOR SINGLE STATION INSTALLATION.	
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					
FD-2	FLOOR DRAIN (HEAVY DUTY)				NOTED	1 1/2	ZURN Z-536 MIFAB F1000-C CONTOUR C2400 WATTS FD-100-C OR FD-100-L	HEAVY-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.					
TD-1	GARAGE TRENCH DRAIN				6	1 1/2	MIFAB T1700-PB-13 TRIKON SYSTEMS ACO KLASSIKDRAIN K300 ZURN Z-882-HDF-DGE WATTS	200mm (8") WIDE TRENCH DRAIN C/W MIFAB T1700-CB820-3-S06 IN-LINE CATCH BASIN OR EQUAL. SUITABLE FOR HEAVY DUTY VEHICLE TRAFFIC C/W 7200-PGE-4-ADA DUCTILE IRON SLOTTED GRATE LOAD CLASS E, ADA & HEELPROOF COMPLIANT. NUMBER OF DRAINS AS SHOWN ON DRAWINGS.					

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.  
© 2025 DEI Consulting Engineers

REVISIONS:		
NO.:	DATE:	ISSUED:
1.	2024.11.29	ISSUED FOR 60% COORDINATION
2	2024.12.20	RE-ISSUED FOR 60% COORDINATION
3	2025.02.14	ISSUED FOR CLASS A COST ESTIMATION
4	2025.05.20	ISSUED FOR PERMIT
5	2025.06.05	ISSUED FOR REVIEW
6	2025.06.13	REISSUED FOR PERMIT
7	2025.07.09	ISSUED FOR TENDER



PROJECT:

NORTH PARIS  
FIRE STATION

21 ANN WILSON WAY  
(SCOTT AVE)



COUNTY PROJECT NO.:

CPS-RFT-25-03

DRAWING TITLE:

SCHEDULES

DATE:	2025.07.09	DRAWING NO.:	
SCALE:	As Noted		
DRAWN:	SWA		
STATUS:	TENDER		
JOB NO.:	2411		

M102

Item	Type	Connection Sizes					Fixture		Trim		Accessories	
		HW	CW	TW	Drain	Vent	Acceptable Manufacturer	Fixture Description	Acceptable Manufacturer	Trim Description	Acceptable Manufacturer	Accessory Description
FFD-1	FUNNEL FLOOR DRAIN				NOTED	1 1/2	ZURN ZN-415-BF MIFAB F1100-C-EG CONTOUR C2000-R5HNB 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.				
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.				
HB-2	FIRE HOSE CONNECTION VALVE			2.5			NATIONAL FIRE EQUIPMENT A55E	FORGED BRASS ANGLE PATTERN HOSE VALVE WITH THREADED CONNECTIONS, 2.5" DIA.				
NFHB-1	NON-FREEZE WALL HYDRANT			3/4			ZURN Z-1300 MIFAB MHY-20 ANCON HY-725	RECESSED, ENCASED, ALL BRONZE CONSTRUCTION, ANTI-SYPHON, NON FREEZE WALL HYDRANT WITH NON-TURNING OPERATING ROD, FREE FLOATING COMPRESSION VALVE, INTEGRAL VACUUM BREAKER, SELF DRAINING, REPLACABLE SEAT AND SEAT WASHER. NICKEL BRONZE BOX AND HINGED COVER WITH OPERATING KEY LOCK. NPS 20 MM (¾") HOSE OUTLET.				
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.				

Item	Type	Connection Sizes				Fixture		Trim		Accessories		
		HW	CW	TW	Drain	Acceptable Manufacturer	Fixture Description	Acceptable Manufacturer	Trim Description	Acceptable Manufacturer	Accessory Description	
L-1	B.F. DOUBLE LAV INTEGRAL COUNTERTOP ELECTRONIC FAUCET	1/2	1/2	1	1/4	1	1/4	SLOAN DSG-82000	ADA COMPLIANT, SOLID CORIAN SURFACE 2-STATION WALL MOUNTED SINK INTEGRAL COUNTERTOP, COUNTERTOP SIZES: 125mm x 560mm x 125mm. 2 SEPARATE BASINS. STANDARD NEAR WHITE, TEXTURED COLOUR (CONFIRM W/ ARCH).	SLOAN EFX-200	HARDWIRED ELECTRONIC FAUCET. COMMERCIAL GRADE, ADA COMPLIANT, DIE-CAST METAL WITH INTEGRAL WATER PROOF INFRA-RED SENSOR AND CONNECTOR. ADJUSTABLE SENSING RANGE AND 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. HARDWIRED BY ELECTRICAL.	WASTE FITTING: OPEN GRID STRAINER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA 30070-MIXL POWERS L14490 OR EQUIV.  PROVIDE FLOOR MOUNTED WALL CARRIER. PROVIDE C/W UNDER SINK ENCLOSURE. PROVIDE C/W ESD-400 SOAP DISPENSER

Item	Type	Input MBH	Output MBH	Flue Vent in.	Electrical Voltage	Heat Exchanger Description	Manufacturer & Model	Remarks
B-1	WALL HUNG COMBINATION BOILER	199.9	185	3	120/1/60	STAINLESS, CONDENSING	LOCHINVAR NKC1199	NATURAL GAS CONDENSING MODULATING BURNER CONTROL; DUAL OUTPUT WATER) C/W FACTORY SUPPLIED VENT KIT AND ACID NEUTRALIZING TANK. (DHW & HYDRONIC HOT
B-2	WALL HUNG COMBINATION BOILER	199.9	185	3	120/1/60	STAINLESS, CONDENSING	LOCHINVAR NKC1199	NATURAL GAS CONDENSING MODULATING BURNER CONTROL; DUAL OUTPUT WATER) C/W FACTORY SUPPLIED VENT KIT AND ACID NEUTRALIZING TANK. (DHW & HYDRONIC HOT
B-3	WALL HUNG BOILER	199.9	184	3	120/1/60	STAINLESS, CONDENSING	LOCHINVAR WHB1199N	NATURAL GAS CONDENSING MODULATING BURNER CONTROL C/W FACTORY SUPPLIED VENT KIT AND ACID NEUTRALIZING TANK.

Item	Type	Max. Working Pressure (psig)	Max. Working Temperature (°F)	Total Volume (gal.)	Diam. (in.)	Height (in.)	System Connection	Manufacturer & Model	Remarks
BT-1	BUFFER TANK	150	210	200	32	59.5	3"	LOCHINVAR BVU-200	BUFFER TANK, TOP LEVEL OUTLET, LOW LEVEL OUTLET, TOP LEVEL RETURN, LOW LEVEL RETURN, INSPECTION PORT, BUNGS FOR THERMOSTAT, TEMPERATURE SENSOR, PRESSURE GAUGE, T&P RELIEF VALVE, DRAIN PORT, INSULATED ASHRAE 90.1

Item	Type	Source Fluid	PROCESS SIDE				Nominal Capacity Tons	Design Capacity MBH	Acceptable Manufacturer	Remarks
			In °F	Out °F	Flow GPM	Fluid				
HX-1	BRANZ PLATE HEAT EXCHANGER	R410A	100	120	10	40% GLYCOL	8	96	LG ARNH963K2A44	208/1/60. VRV SYSTEM REFRIGERANT TO WATER HEAT EXCHANGER
HX-2	BRANZ PLATE HEAT EXCHANGER	R410A	100	120	10	40% GLYCOL	8	96	LG ARNH963K2A44	208/1/60. VRV SYSTEM REFRIGERANT TO WATER HEAT EXCHANGER

Item	Type	CFM	Input Capacity	Input Medium	SIZE	Electrical Voltage	Manufacturer & Model	Remarks
EDH-1	SLIP IN OPEN COIL	400	6kW	ELEC	10"x10"	575/3/60	DAIKIN HKS*05XC* THERMOLEC SC	SLIP-IN OPEN COIL, COMPLETE WITH SCR CONTROLS AND TEMPERATURE SENSOR.
EDH-2	SLIP IN OPEN COIL	880	3kW	ELEC	16"x12"	575/3/60	DAIKIN HKS*05XC* THERMOLEC SC	SLIP-IN OPEN COIL, COMPLETE WITH SRC CONTROLS AND TEMPERATURE SENSOR. INSTALL. INTEGRAL TO FAN COIL. SUB-FEED POWER THRU FAN COIL AND USE FAN COIL OUTPUTS FOR CONTROL.
EDH-3	SLIP IN OPEN COIL	400	2kW	ELEC	8"x8"	575/3/60	DAIKIN HKS*05XC* THERMOLEC SC	SLIP-IN OPEN COIL, COMPLETE WITH SCR CONTROLS AND TEMPERATURE SENSOR.

Item	Type	Mineral Tank			Brine Tank			Total System Capacity		Critical Flow gpm	Peak Flow (1 Tanks)	Electrical Voltage	Manufacturer & Model	Remarks	
		Diameter D(in)	Height H(in)	Quantity	Diameter D(in)	Height H(in)	Quantity	Grains Capacity							
WS-1 WS-2	DUPLEX	14	65	2	24	37	1	81,000	⑩10lbs/ft3	15	25 GPM ⑤ 15 psi	120/160	CANATURE 95 MTS 90-1.25"	PROVIDE C/W SYSTEM PEAK FLOW WITH ONE TANK IN REGEN.	CONTROLLER.

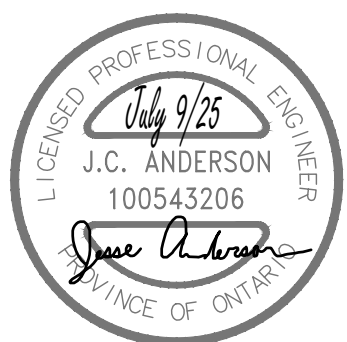
Item	Type	Max. Working Pressure (psig)	Max. Working Temperature (°F)	Total Volume (gal.)	Diam. (in.)	Height (in.)	System Connection (in)	Manufacturer & Model	Remarks
ET-1	DIAPHRAGM PRE-PRESSURED	250	240	53.0	24	38	1"	AMTROL EXTROL 200L	HYDRONIC WATER EXPANSION TANK
ET-2	DIAPHRAGM PRE-PRESSURED	250	240	53.0	24	38	1"	AMTROL EXTROL 200L	HYDRONIC WATER EXPANSION TANK

Item	Type	Capacity USgpm	Head ft	Rated Power	Speed rpm	Electrical Voltage	Manufacturer & Model	Remarks
P-1	ECM CIRCULATOR	25	40	454W	4008	120/1/60	GRUNDFOS MAGNA3 40-180 GF	VARIABLE SPEED ECM MOTOR, HYDRONIC CIRCULATOR, FLUID TEMP UP TO 180°F.
P-2	ECM CIRCULATOR	25	40	454W	4008	120/1/60	GRUNDFOS MAGNA3 40-180 GF	VARIABLE SPEED ECM MOTOR, HYDRONIC CIRCULATOR, FLUID TEMP UP TO 180°F.
P-3	ECM CIRCULATOR	22	40	432W	4005	208/1/60	GRUNDFOS MAGNA3 40-180 GF	VARIABLE SPEED ECM MOTOR, HYDRONIC CIRCULATOR, FLUID TEMP UP TO 180°F.
P-4	ECM CIRCULATOR	22	40	432W	4005	208/1/60	GRUNDFOS MAGNA3 40-180 GF	VARIABLE SPEED ECM MOTOR, HYDRONIC CIRCULATOR, FLUID TEMP UP TO 180°F.
BP-1	ECM CIRCULATOR	20	30	440W	3551	208/1/60	GRUNDFOS MAGNA3 40-120 GF	VARIABLE SPEED ECM MOTOR, HYDRONIC CIRCULATOR, FLUID TEMP UP TO 180°F.
BP-2	ECM CIRCULATOR	20	30	440W	3551	208/1/60	GRUNDFOS MAGNA3 40-120 GF	VARIABLE SPEED ECM MOTOR, HYDRONIC CIRCULATOR, FLUID TEMP UP TO 180°F.
BP-3	ECM CIRCULATOR	5	15	38W	-	120/1/60	GRUNDFOS ALPHA 15-58 F	VARIABLE SPEED ECM MOTOR, FLUID TEMP UP TO 180°F. RATED FOR POTABLE HOT WATER USE.
BP-4	ECM CIRCULATOR	5	15	38W	-	120/1/60	GRUNDFOS ALPHA 15-58 F	VARIABLE SPEED ECM MOTOR, FLUID TEMP UP TO 180°F. RATED FOR POTABLE HOT WATER USE.
BP-5	ECM CIRCULATOR	20	30	448W	3551	120/1/60	GRUNDFOS MAGNA3 40-120 GF	VARIABLE SPEED ECM MOTOR, HYDRONIC CIRCULATOR, FLUID TEMP UP TO 180°F.
RP-1	INLINE DOMESTIC RECIRC PUMP	3	10	38W	-	120/1/60	GRUNDFOS ALPHA	VARIABLE SPEED MOTOR. RATED FOR POTABLE HOT WATER USE.
MP-1A	MANIFOLD CIRCULATOR PUMP	22	25	1/2HP	-	120/1/60	GRUNDFOS UPS 26-150 F/SF	VARIABLE SPEED ECM MOTOR, HYDRONIC CIRCULATOR, FLUID TEMP UP TO 120°F.
MP-1B	MANIFOLD CIRCULATOR PUMP	22	25	1/2HP	-	120/1/60	GRUNDFOS UPS 26-150 F/SF	VARIABLE SPEED ECM MOTOR, HYDRONIC CIRCULATOR, FLUID TEMP UP TO 120°F.
MP-3	MANIFOLD CIRCULATOR PUMP	28	20	1/2HP	-	120/1/60	GRUNDFOS UPS 43-100 F	VARIABLE SPEED ECM MOTOR, HYDRONIC CIRCULATOR, FLUID TEMP UP TO 120°F.

Item	Type	Cool MBH	Heat MBH	Fluid Type	EER @	Fan Motor hp	Electrical			Manufacturer & Model	Remarks
							Voltage	MCA	Fuse		
ASHP-1	AIR SOURCE HEAT PUMP WATER HEATER	192	216	R410A	-	-	575/3/60	35.7	50	LG ARUM192CTE5	-

Item	Type	Input		Water	Side	Electrical	Manufacturer & Model	Remarks
		Capacity	Medium	Storage Litres	Recovery 1/h			
HWH-1	DOMESTIC WATER HEATER	18kW	ELEC	100	284	575/3/60	A.O. SMITH OSE-100-18	POTABLE HOT WATER HEATER, INSULATED TANK MEETING ASHRAE 90.1-2013, C/W T&P VALVE, MULTIPLE ELEMENTS, SINGLE POWER CONNECTION.
HWH-2	DOMESTIC WATER HEATER	18kW	ELEC	100	284	575/3/60	A.O. SMITH OSE-100-18	POTABLE HOT WATER HEATER, INSULATED TANK MEETING ASHRAE 90.1-2013, C/W T&P VALVE, MULTIPLE ELEMENTS, SINGLE POWER CONNECTION.

REVISIONS:		
NO.:	DATE:	ISSUED:
1	2024.11.29	ISSUED FOR 60% COORDINATION
2	2024.12.20	RE-ISSUED FOR 60% COORDINATION
3	2025.02.14	ISSUED FOR CLASS A COST ESTIMATION
4	2025.05.20	ISSUED FOR PERMIT
5	2025.06.05	ISSUED FOR REVIEW
6	2025.06.13	REISSUED FOR PERMIT
7	2025.07.09	ISSUED FOR TENDER



PROJECT:

NORTH PARIS  
FIRE STATION

21 ANN WILSON WAY  
(SCOTT AVE)

CLIENT:

COUNTY OF  
**Brant** Simply Grand



COUNTY PROJECT NO.:  
CPS-RFT-25-03

DRAWING TITLE:  
**SCHEDULES**

DATE: 2025.07.09  
SCALE: As Noted  
DRAWN: SVA  
STATUS: TENDER  
JOB NO.: 2411

DRAWING NO.:

DRAWN: SVA

STATUS: TENDER

JOB NO.: 2411

M103



INDOOR FAN COIL UNIT SCHEDULE												CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.
Item	Type	Capacity tons cfm		SP in wc	Cooling Capacity MBH	Heating Capacity MBH	Ventilation Air CFM	Electrical Voltage MCA MOCP			Manufacturer (or Approved Alternate)	Remarks
FC-1	CASSETTE VRF INDOOR UNIT	0.75	265	0.1	9.0	10.4	—	208/1/60	0.25	15	LG MULTI F LCN098HV4	INTERCONNECT TO HP-1. CASSETTE UNIT, INTEGRAL FILTER. SERVING: STATION OFFICE 105. INTEGRAL CONDENSATE PUMP.
FC-2	CASSETTE VRF INDOOR UNIT	0.75	265	0.1	9.0	10.4	—	208/1/60	0.25	15	LG MULTI F LCN098HV4	INTERCONNECT TO HP-1. CASSETTE UNIT, INTEGRAL FILTER. SERVING: STATION OFFICE 106. INTEGRAL CONDENSATE PUMP.
FC-3	CASSETTE VRF INDOOR UNIT	0.75	265	0.1	9.0	10.4	—	208/1/60	0.25	15	LG MULTI F LCN098HV4	INTERCONNECT TO HP-1. CASSETTE UNIT, INTEGRAL FILTER. SERVING: STATION OFFICE 112. INTEGRAL CONDENSATE PUMP.

HEAT PUMP OUTDOOR UNIT SCHEDULE															CAPACITY INDICATED ON SCHEDULE. REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.	
Item	Type	Nom. Tons	Cooling Capacity		Heating Capacity		Rated Min °F	Sound Pressure/Power DBA	Refrigerant Type	System Max Charge lbs	Electrical			Manufacturer & Model	Remarks	
			Gross MBH	SEER/EER	Total MBH	COP @ 47°F					COP @ 17°F	Voltage	MCA			MOP
HP-1	HEAT RECOVERY HEAT PUMP (OUTDOOR)	3.0	33	17.8/12.5	37.5	3.48	2.63	-13	52/55	R-410A	7.05	208/1/60	32	40	LG SINGLE LUJ360HHV	INTERCONNECT TO AHU-1. C/W BIGFOOT STAND, WIND BAFFLES & BASE PAN HEATER.
HP-2	HEAT RECOVERY HEAT PUMP (OUTDOOR)	2.0	24	19/12.6	26	3.02	2.35	-13	52/55	R-410A	7.05	208/1/60	19	25	LG MULTI F LMU240HHV	INTERCONNECT TO FC-1, FC-2, FC-3. C/W BIGFOOT STAND, WIND BAFFLES & BASE PAN HEATER. LOW AMB.

#### SPLIT AIR CONDITIONING INDOOR UNIT SCHEDULE

Item	Type	Capacity		Cooling Capacity MBH	Heating Capacity MBH	sp in wc	Size hp	Electrical			Manufacturer (or Approved Alternate)	Remarks
		tons	cfm					Voltage	MCA	Fuse		
AHU-1	MULTI-POSITION DUCTED AIR HANDLER	3.0	880	33.0	37.5	0.2	—	208/1/60	1	40	LG SINGLE LVN361HV4	VERTICAL CONFIGURATION, UP-FLOW, C/W SEISMIC RATED PLENUM STAND.
ACCEPTABLE ALTERNATIVES: CARRIER, TRANE, LENNOX, L.G., DAIKIN												

#### UNIT HEATER SCHEDULE

Item	Type	CFM	Input Medium	Input Temp (°F)	Output Capacity	Flow Rate	Electrical			Manufacturer & Model	Remarks
							HP	Voltage	FLA		
UH-1	UNIT HEATER	1400	HOT WATER	120 150	44 MBH 65 MBH	3.0GPM	1/4	120/1/60	3.4	REZNOR UWS-62/77	REFER TO NOTES BELOW. PROVIDE DUAL DOWNTURN NOZZLE & CENTRIFUGAL BLOWER.
UH-2	UNIT HEATER	1400	HOT WATER	120 150	44 MBH 65 MBH	3.0GPM	1/4	120/1/60	3.4	REZNOR UWS-62/77	REFER TO NOTES BELOW. PROVIDE DUAL DOWNTURN NOZZLE & CENTRIFUGAL BLOWER.
UH-3	UNIT HEATER	1400	HOT WATER	120 150	44 MBH 65 MBH	3.0GPM	1/4	120/1/60	3.4	REZNOR UWS-62/77	REFER TO NOTES BELOW. PROVIDE DUAL DOWNTURN NOZZLE & CENTRIFUGAL BLOWER.
UH-4	UNIT HEATER	1400	HOT WATER	120 150	44 MBH 65 MBH	3.0GPM	1/4	120/1/60	3.4	REZNOR UWS-62/77	REFER TO NOTES BELOW. PROVIDE DUAL DOWNTURN NOZZLE & CENTRIFUGAL BLOWER.
UH-5	UNIT HEATER	1400	HOT WATER	120 150	44 MBH 65 MBH	3.0GPM	1/4	120/1/60	3.4	REZNOR UWS-62/77	REFER TO NOTES BELOW. PROVIDE DUAL DOWNTURN NOZZLE & CENTRIFUGAL BLOWER.
UH-6	UNIT HEATER	1400	HOT WATER	120 150	44 MBH 65 MBH	3.0GPM	1/4	120/1/60	3.4	REZNOR UWS-62/77	REFER TO NOTES BELOW. PROVIDE DUAL DOWNTURN NOZZLE & CENTRIFUGAL BLOWER.
UH-7	UNIT HEATER	1400	HOT WATER	120 150	44 MBH 65 MBH	3.0GPM	1/4	120/1/60	3.4	REZNOR UWS-62/77	REFER TO NOTES BELOW. PROVIDE DUAL DOWNTURN NOZZLE & CENTRIFUGAL BLOWER.
GENERAL UNIT HEATER NOTES: 1. PROVIDE ALL STANDARD FEATURES INCLUDING THE FOLLOWING FACTORY INSTALLED OPTIONS. STAINLESS STEEL HEAT EXCHANGER, TOTALLY ENCLOSED MOTOR, SUPPORTS, THERMOSTATS, DOWNTURN NOZZLE. 2. UNIT HEATERS SHALL BE MOUNTED AT HEIGHT COORDINATED WITH OWNER BEFORE INSTALLATION. 3. HYDRONIC UNIT HEATERS ARE INTENTIONALLY SELECTED FOR LOW HYDRONIC FLOW RATE AND HIGH TEMPERATURE DELTA T. UNITS REQUIRING HIGHER HYDRONIC FLOW RATE WILL NOT BE ACCEPTED. 4. PROVIDE SEISMIC RATED BEAM MOUNTED HANGER											

#### ENERGY/HEAT RECOVERY UNIT SCHEDULE

Item	Type	Capacity Supply cfm	Exh cfm	Heating Capacity MBH	Cooling Capacity MBH	SP in wc	Electrical MCA Voltage			Manufacturer & Model	Remarks
ERV-1	ENERGY RECOVERY VENTILATOR	700	700	54.6	10.8	0.5	18.2	208/3/60		ALDES NS41895	MOP=25.0, BHP = 0.75, INTEGRAL EXHAUST DEFROST CONTROL, INTEGRAL FREE-COOLING BYPASS

#### COMPUTER ROOM AIR CONDITIONING (CRAC) UNIT SCHEDULE

Item	Type	Net Capacity (④45% RH)						Humidifier lb/hr	Reheat kW	Electrical			Manufacturer (or Approved Alternate)	Remarks
		tons	cfm	MBH	Medium	ENT	GPM			Voltage	MCA	MOCP		
CRAC-1	CEILING MOUNT AC UNIT	2.0	885	21.8	R410A	45°F	4.5	4.3	4.7	208/1/60	34.2	45	LIEBERT MMD24E	CRAC UNIT C/W BOTTOM DISCHARGE DIFFUSER AND RETURN GRILLE, DE-HUMIDIFICATION MODE.
ACCEPTABLE ALTERNATIVES: NONE														

#### CRAC CONDENSING UNIT SCHEDULE

Item	Type	Capacity		Cooling Capacity MBH	Flow Rate GPM	SP in wc	Size hp	Electrical			Manufacturer (or Approved Alternate)	Remarks
		tons	cfm					Voltage	MCA	Fuse		
CU-1	CONDENSING UNIT	2.0	2200	24.2	4.5	n/a	0.2	208/1/60	16.4	25	LIEBERT PFH027	LOW AMBIENT COOLING.

#### UNIT HEATER SCHEDULE

Item	Type	CFM	Input Medium	Input Temp (°F)	Output Capacity	Flow Rate	HP	Electrical Voltage MCA MOCP			Manufacturer & Model	Remarks
FFH-8	FORCED FLOW HEATER	1000	HOT WATER	120 150	44 MBH 65 MBH	3.0GPM	1/6	120/1/60	2.2		SIGMA SFF-10	REFER TO NOTES BELOW. C/W 2 ROW COILS, NO THERMOSTAT, UNIT MOUNTED SPEED CONTROLLER CUSTOM BAKED ENAMEL FINISH & SLOTTED ACCESS DOOR.
GENERAL UNIT HEATER NOTES: 1. PROVIDE ALL STANDARD FEATURES INCLUDING THE FOLLOWING FACTORY INSTALLED OPTIONS. STAINLESS STEEL HEAT EXCHANGER, TOTALLY ENCLOSED MOTOR, SUPPORTS. THERMOSTATS, DOWNTURN NOZZLE. 2. UNIT HEATERS SHALL BE MOUNTED AT HEIGHT COORDINATED WITH OWNER BEFORE INSTALLATION. 3. HYDRONIC UNIT HEATERS ARE INTENTIONALLY SELECTED FOR LOW HYDRONIC FLOW RATE AND HIGH TEMPERATURE DELTA T. UNITS REQUIRING HIGHER HYDRONIC FLOW RATE WILL NOT BE ACCEPTED. 4. PROVIDE SEISMIC RATED BEAM MOUNTED HANGER												

#### EXHAUST HOOD SCHEDULE

Item	Type	Exhaust Capacity cfm	Air Data SP in wc	Supply Air Data Capacity cfm	Air Data SP in wc	Dimensions (inches)	Manufacturer & Model	Remarks
RANGE HOOD #1	DENLAR EXHAUST HOOD	300	0.6	—	—	19.5"(L)×36"(W)	DENLAR	UL300A, NSF, UL507, AND NFPA 101 COMPLIANT C/W INTEGRAL FIRE SUPPRESSION SYSTEM, HINGED TOP FOR ACCESS TO FIRE SUPPRESSANT.

#### FAN SCHEDULE

Item	Type	Capacity cfm	ESP in wc	Fan Speed rpm	Motor hp Voltage	Acceptable Manufacturer	Description
EF-1A	CEILING EXHAUST FAN (BUNKER GEAR 109)	150	0.20	710	Fhp 120/1/60	BROAN L150MG	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 1.8 SONES
EF-1B	CEILING EXHAUST FAN (BUNKER GEAR 109)	450	0.37	1070	Fhp 120/1/60	GREENHECK CSP-A510	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-2	CEILING EXHAUST FAN (EXTRACT ROOM 118)	600	0.6	1035	FHP 120/1/60	GREENHECK CSP-A700	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-3	SIDEWALL EXHAUST FAN (119)	3000	0.5	1278	0.75 575/3/60	GREENHECK SBE-2H20	ECM MOTOR, STEEL PANEL FRAME/HOUSING, STEEL FABRICATED PROPELLER BLADES, BELT DRIVE AXIAL FAN, C/W BACKDRAFT DAMPER, WALL COLLAR, MOTOR-SIDE GUARD
EF-4	CEILING EXHAUST FAN (ANTIQUE TRUCK DISPLAY ROOM 114)	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-5	INLINE EXHAUST FAN (ELEC ROOM 123)	1500	0.5	875	1/3 208/1/60	GREENHECK CSP-A3300-VG	ACOUSTICALLY INSULATED STEEL HOUSING, CENTIFUGAL BLOWER WHEEL, 90° DISCHARGE OUTLET W/BACKDRAFT DAMPER, C/W WHITE PAINTED ENAMEL STEEL GRILLE, VIBRATION ISOLATORS. 3.0 SONES. ECM MOTOR FOR BALANCING.
EF-6	CEILING EXHAUST FAN (MECH ROOM 125)	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-7	CEILING EXHAUST FAN (ANTIQUE TRUCK DISPLAY ROOM 114)	650	0.35	1108	FHP 120/1/60	GREENHECK CSP-A700-VG	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-8	IN-LINE EXHAUST FAN (STORAGE 122)	3000	0.75	855	1 1/2 575/3/60	GREENHECK BSQ-200	IN-LINE FAN, ACOUSTICALLY INSULATED GALV STEEL HOUSING, FORWARD CURVED CENTRIFUGAL FAN, BELT DRIVE, SIDE ACCESS PANELS, FRONT BOTTOM DISCHARGE, INTERNALLY ISOLATED, C/W DUCT COLLARS & HANGING VIBRATION ISOLATORS.
EF-9	IN-LINE EXHAUST FAN (APPARATUS BAY 117)	3000	0.75	855	1 1/2 575/3/60	GREENHECK BSQ-200	IN-LINE FAN, ACOUSTICALLY INSULATED GALV STEEL HOUSING, FORWARD CURVED CENTRIFUGAL FAN, BELT DRIVE, SIDE ACCESS PANELS, FRONT BOTTOM DISCHARGE, INTERNALLY ISOLATED, C/W DUCT COLLARS & HANGING VIBRATION ISOLATORS.
EF-10	CEILING EXHAUST FAN (NETWORK 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-11	CEILING EXHAUST FAN (JANITOR'S CLOSET)	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
RH-1	DENLAR SIDEWALL FAN (RANGE HOOD FAN)	300	0.6	—	FHP 120/1/60	DENLAR-D-WF-NFPA	DIRECT DRIVE UPBLAST CENTRIFUGAL SIDEWALL ROOF EXHAUST FAN, ALUMINUM HOUSING, CENTRIFUGAL BACKWARD INCLINED ALUMINUM WHEEL. ECM MOTOR MOUNTED ON VIBRATION ISOLATION, 60 dba

GENERAL FAN NOTES:  
1. ACCEPTABLE MANUFACTURERS: GREENHECK, PENN-BARRY, COOK, ACME, TWIN CITY, JENCO, BUFFALO, METALAIRE, DENLAR. (CEILING FANS: BROAN, GREENHECK, ZONEX)

#### GRILLE SCHEDULE

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	YES	EH PRICE	32-FLA	DOUBLE DEFLECTION, 1/2" SPACING, ALUMINUM AIRFOIL BLADES PARALLEL TO LONG DIMENSION, C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING. INTEGRAL BALANCING DAMPER.
S2	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.
S3	SUPPLY GRILLE	NO	NONE	EH PRICE	RSG	DOUBLE DEFLECTION, HORIZONTAL STEEL BLADES, 1" SPACING, C/W FLAT BORDER & SCREWED FASTENING FOR SIDEWALL MOUNTING.
R1	CEILING RETURN GRILLE (NON-DUCTED)	NO	NONE	EH PRICE	80-CH	1/2x1/2x1/2 ALUMINUM EGGRATE CORE, C/W CHANNEL BORDER FOR LAY-IN T-BAR CEILING.
R2	HEAVY DUTY SIDEWALL RETURN GRILLE	NO	NONE	EH PRICE	98-SA	HEAVY DUTY, FIXED STEEL BLADES AT 45°, 1/2" SPACING, PARALLEL TO SHORT DIMENSION, C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING.
E1	EXHAUST 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.
LD1	LINEAR CEILING DIFFUSER	NO	NONE	EH PRICE	SDS-100, SDAI	3 SLOT (1" WIDE) LINEAR DIFFUSER, EXTRUDED ALUMINUM CONSTRUCTION, 180° AIR PATTERN ADJUSTMENT, SUITABLE FOR STANDARD LAY-IN T-BAR CEILING W/MITRED END FLANGES, & INSULATED PLENUM. LENGTH AS INDICATED.
DG1	DOOR GRILLE	NO	NONE	EH PRICE	STG1-BF	HEAVY DUTY, STEEL, LOUVRED FACED GRILLE C/W 1 1/4" FLAT BORDER ON BOTH SIDES & SCREWED FASTENING FOR SURFACE MOUNTING. BLACK COLOUR TO BE APPROVED BY ARCHITECT.
LOUVER L1	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. SIZE PER PLANS. NON-STANDARD COLOUR TO BE APPROVED BY ARCHITECT.
LOUVER L2	THINLINE LOUVER (SUPPLY LOUVER)	—	—	EH PRICE	NUE2	2" DEEP, EXTRUDED ALUMINUM FIXED LOUVER, J-SHAPED BLADE PROFILE, 45% FREE AREA, BIRDSCREEN, FLUOROPOLYMER RESIN POWDER COAT. NON-STANDARD COLOUR TO BE APPROVED BY ARCHITECT.
GENERAL DIFFUSER/GRILLE NOTES: 1. ACCEPTABLE MANUFACTURERS: EH PRICE, NALOR, 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).						

#### OIL INTERCEPTOR SCHEDULE

Item	Type	Manufacturer & Model	Capacity (Gallons)	Remarks
OI-1	OUTDOOR OIL INTERCEPTOR	PROCEPT OMC 750	750	OIL AND SOLIDS INTERCEPTOR: TESTED AND RATED IN ACCORDANCE WITH PDI G101, CSA CERTIFIED, W/ COALESCING SYSTEM, FRP CONSTRUCTION FOR BELOW GRADE, CORROSION RESISTANT, 6" INLET & OUTLET, C/W FLOW CONTROL FITTING, SUITABLY VENTED, EXTENSION COLLAR TO MEET FINISHED GRADE. CAPACITY 4.73 L/S (75 GPM). C/W REMOTE MONITORING PANEL

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.  
© 2025 DEI Consulting Engineers

#### REVISIONS:

NO.:	DATE:	ISSUED:
1.	2024.11.29	ISSUED FOR 60% COORDINATION
2	2024.12.20	RE-ISSUED FOR 60% COORDINATION
3	2025.02.14	ISSUED FOR CLASS A COST ESTIMATION
4	2025.05.20	ISSUED FOR PERMIT
5	2025.06.05	ISSUED FOR REVIEW
6	2025.06.13	REISSUED FOR PERMIT
7	2025.07.09	ISSUED FOR TENDER



#### PROJECT:

### NORTH PARIS FIRE STATION

21 ANN WILSON WAY  
(SCOTT AVE)

#### CLIENT:



#### COUNTY PROJECT NO.:

CPS-RFT-25-03

#### DRAWING TITLE:

SCHEDULES

DATE: 2025.07.09

SCALE: As Noted

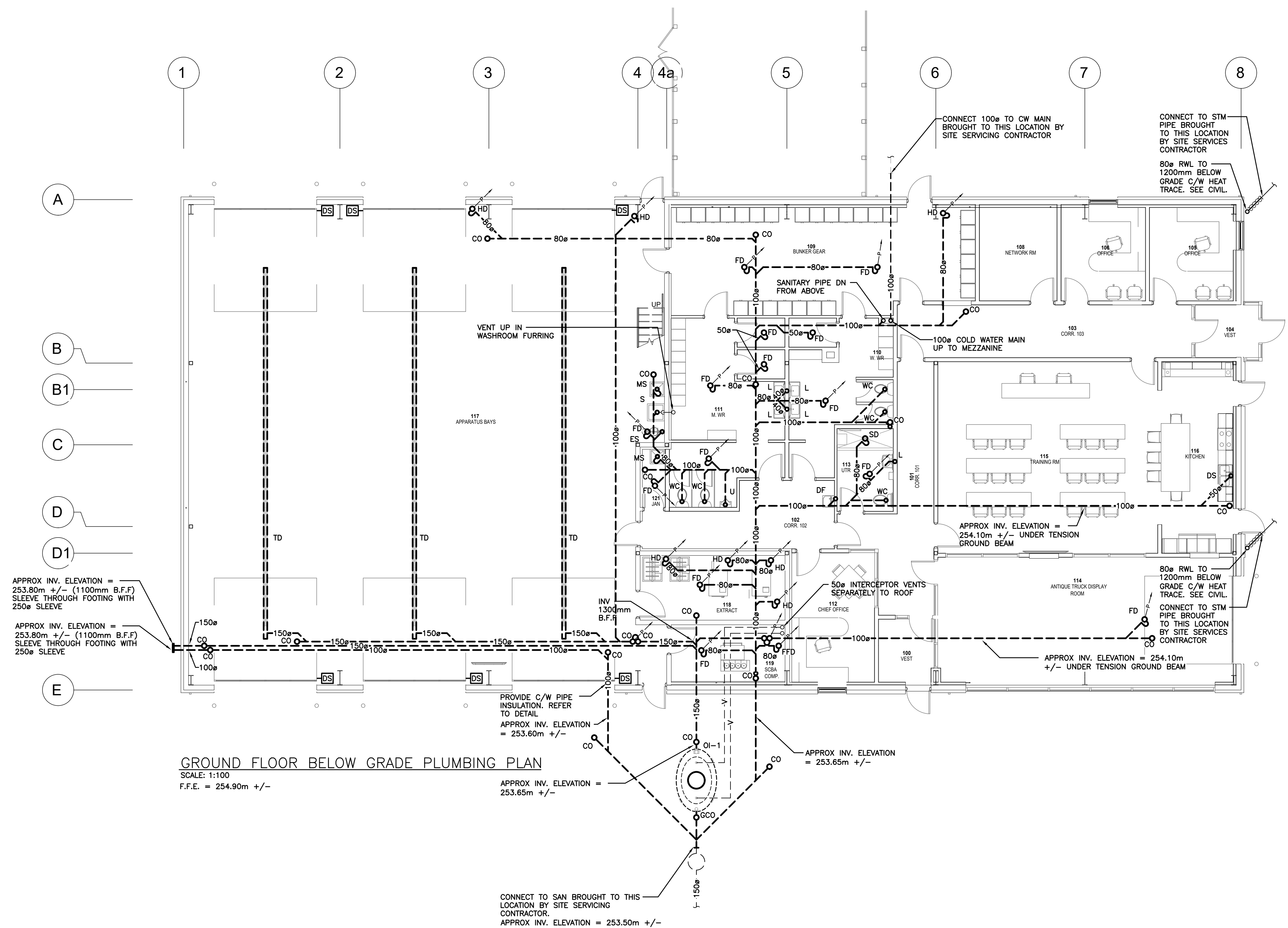
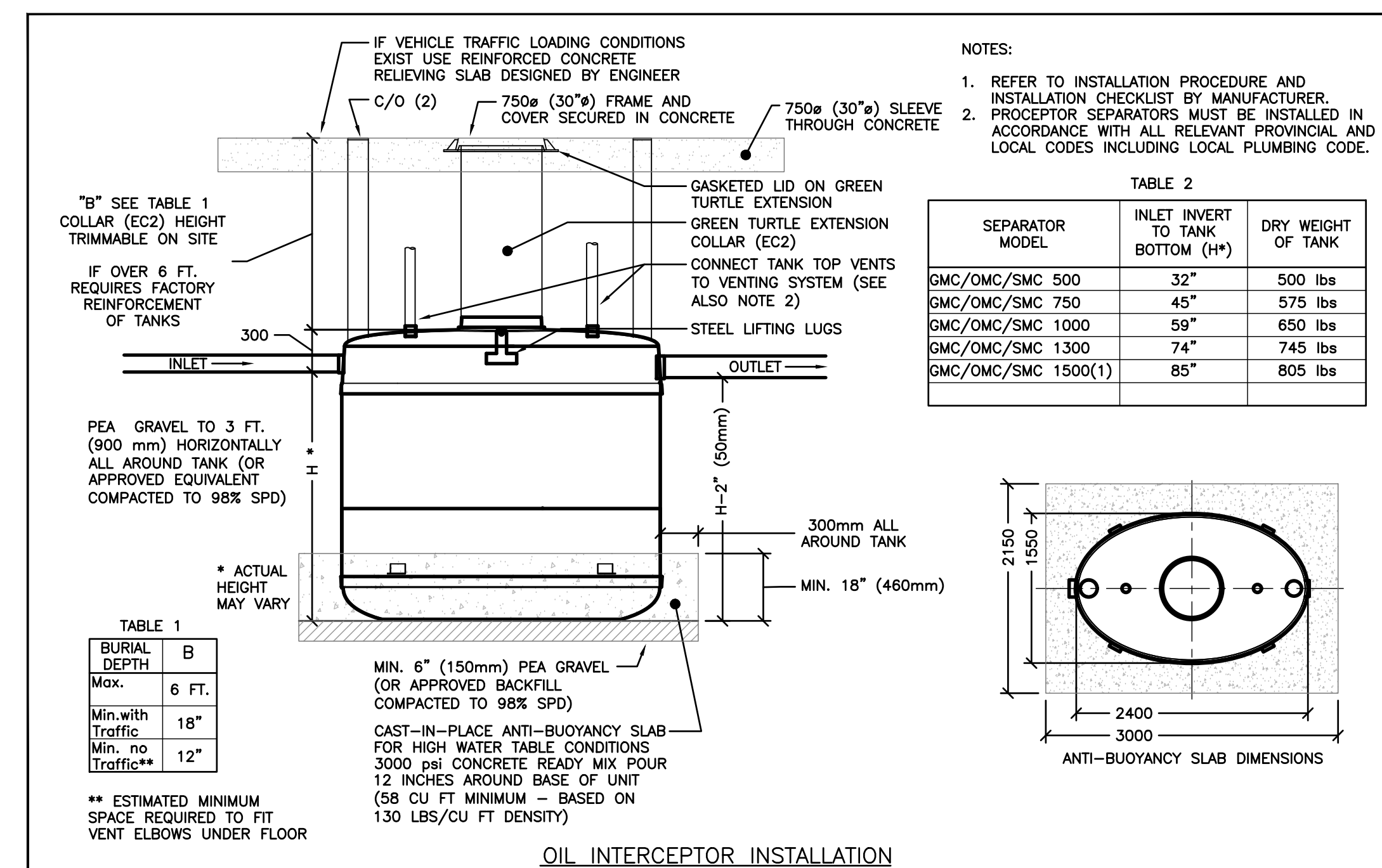
DRAWN: SVA

STATUS: TENDER

JOB NO.: 2411

DRAWING NO.:

M104



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 appropriate relationship 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 clearances.

Drawings, 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.

© 2025 DEI Consulting Engineers

REVISONS:		
NO.:	DATE:	ISSUED:
1.	2024.11.29	ISSUED FOR 60% COORDINATION
2	2024.12.20	RE-ISSUED FOR 60% COORDINATION
3	2025.02.14	ISSUED FOR CLASS A COST ESTIMATION
4	2025.05.20	ISSUED FOR PERMIT
5	2025.06.05	ISSUED FOR REVIEW
6	2025.06.13	REISSUED FOR PERMIT
7	2025.07.09	ISSUED FOR TENDER

The seal is circular with the text "LICENSED PROFESSIONAL ENGINEER" at the top and "PROVINCE OF ONTARIO" at the bottom. Inside the seal, the date "July 9/25" is handwritten in the center, "J.C. ANDERSON" is printed below it, "100543206" is printed below that, and "Jose Anderson" is handwritten at the bottom.

To the right of the seal is a north arrow diagram. It consists of a circle with a vertical line and a horizontal line intersecting at the center. A diagonal line points towards the top-right. The text "PROJECT NORTH" is written above the circle, and "TRUE NORTH" is written to the right of the circle.



55 Northland Road,  
Waterloo, ON, N2V 1Y8  
Phone: 519-725-3555  
Website: [deiasociates.ca](http://deiasociates.ca)  
Project Number: 24160

**Consulting Engineers**

**MECHANICAL | ELECTRICAL | AQUATIC**

NORTH PARIS  
FIRE STATION

21 ANN WILSON WAY  
(SCOTT AVE)

CLIENT: COUNTY OF **Brant** Simply Grand

COUNTY PROJECT NO.:

**CPS-RFT-25-03**

DRAWING TITLE:

GROUND FLOOR BELOW  
GRADE PLUMBING PLAN

DATE:	2025.07.09	DRAWING NO.:	<b>M201</b>
SCALE:	As Noted		
DRAWN:	SVA		
STATUS:	TENDER		
JOB NO.:	2411		





## IN-FLOOR HEATING SCHEDULE

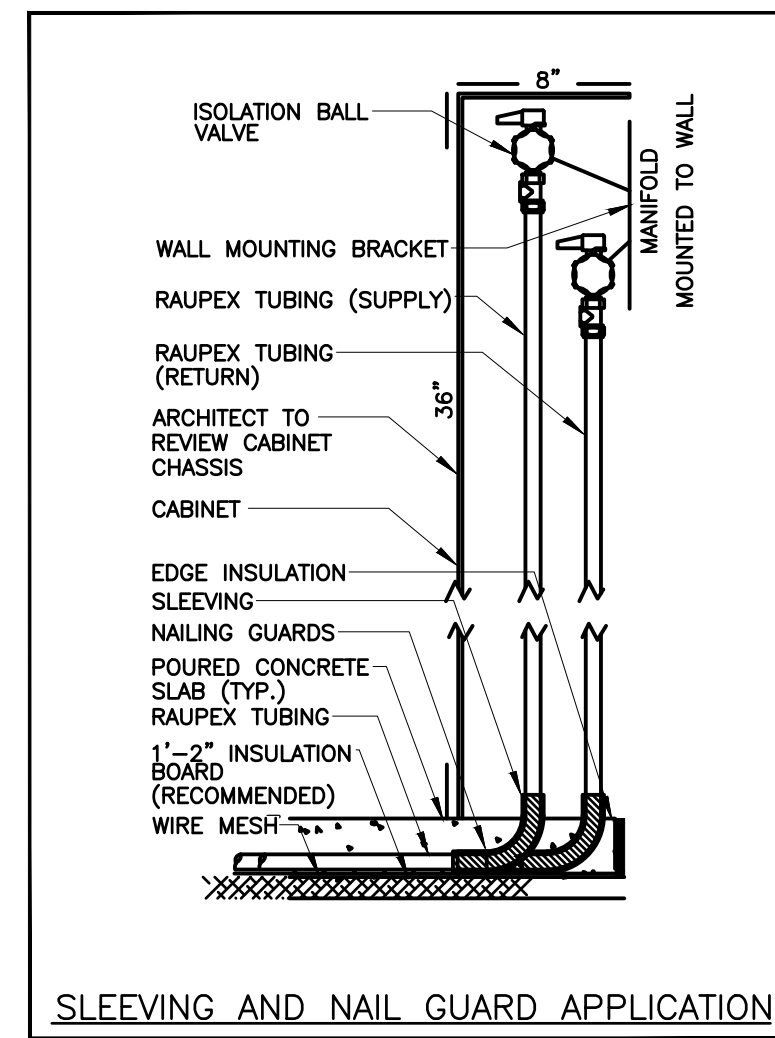
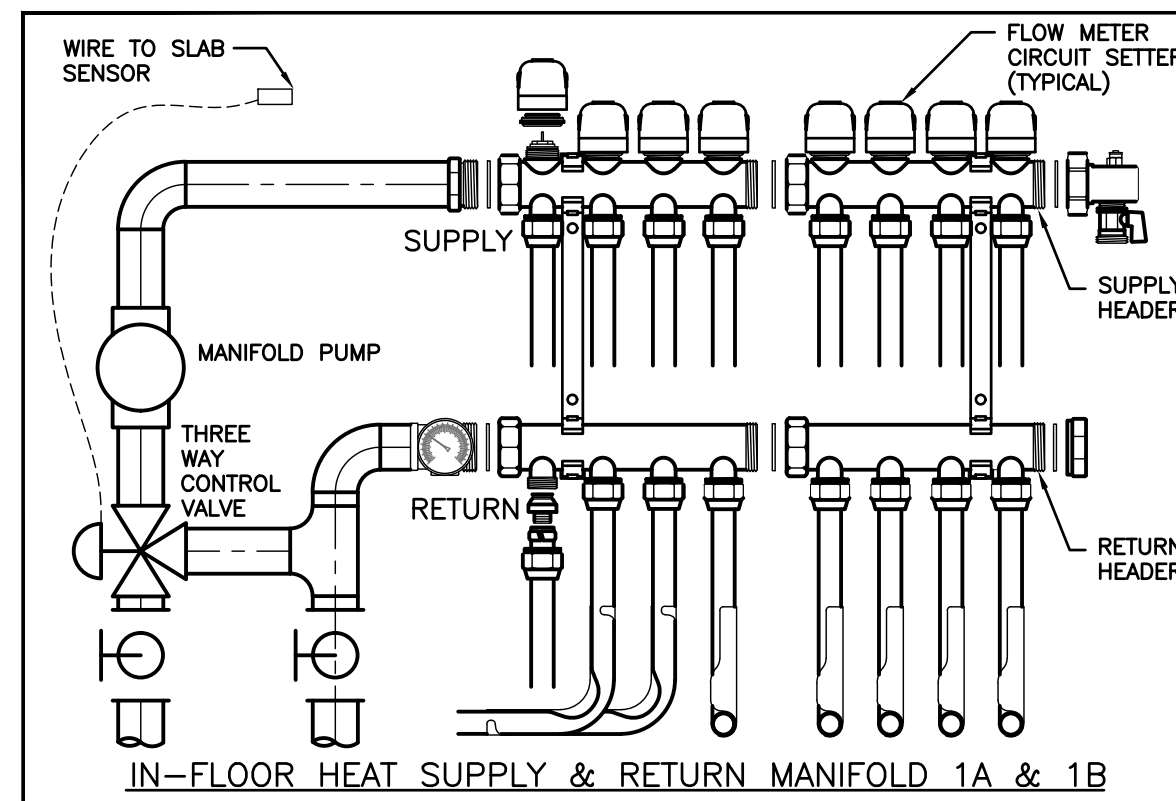
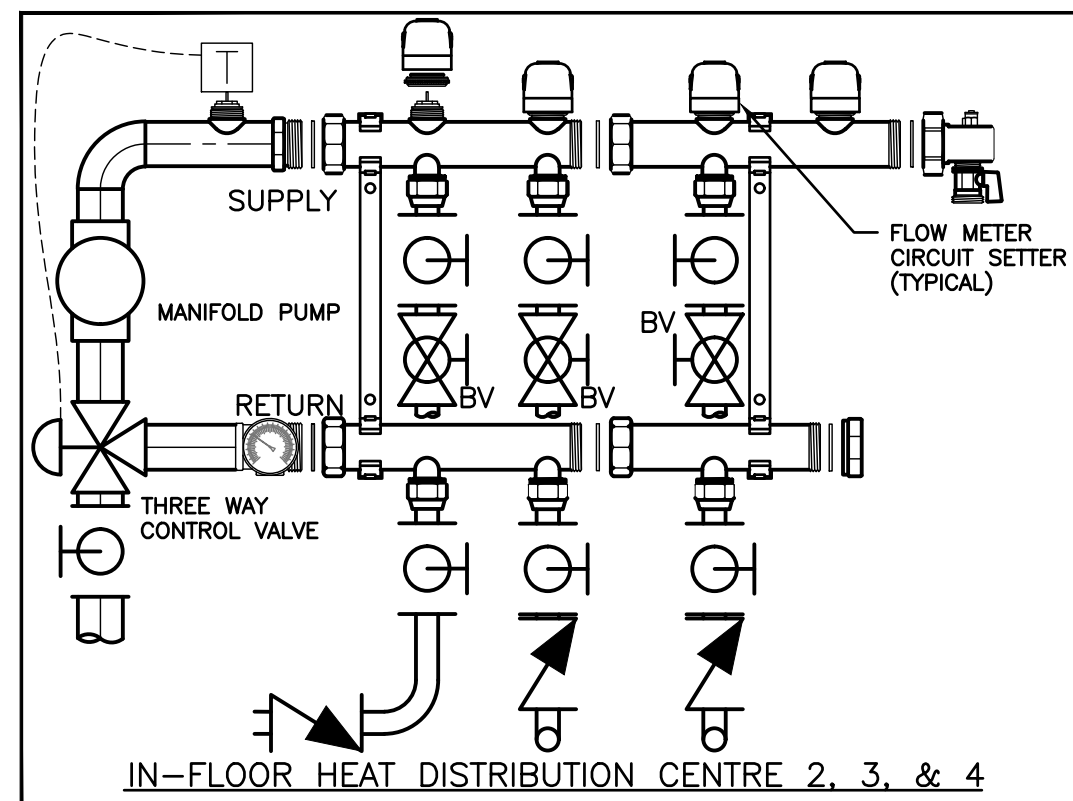
Header Manifold	Zone	Area Serving	Floor Area (sq. ft.)	Tube Size & Spacing	Floor Finish	Heating Per Area (BTU/sq. ft.)	Air Temp °F	Heating Capacity (MBH)	Entering Fluid Temp °F	Fluid Type	Total Flow (GPM)	Maximum Pressure Drop Thru System	Manufacturers	Remarks
M-1A	#1	APPARATUS BAY	2,200	3/4" @ 9"	BARE CONCRETE	40	75	87.5	120	40% GLYCOL	3.3 GPM	20FT	KILAMATROL	SURFACE MOUNT MANIFOLD W/ CABINET. INTEGRAL 120V, FHP CIRC PUMP & 3-WAY MIXING VALVE.
M-1B	#1	APPARATUS BAY	2,200	3/4" @ 9"	BARE CONCRETE	40	75	87.5	120	40% GLYCOL	3.3 GPM	20FT	KILAMATROL	SURFACE MOUNT MANIFOLD W/ CABINET. INTEGRAL 120V, FHP CIRC PUMP & 3-WAY MIXING VALVE.
M-2	#2	ANTIQUE TRUCK DISPLAY ROOM	700	3/4" @ 9"	BARE CONCRETE	40	75	30.3	120	40% GLYCOL	2.3 GPM	20FT	KILAMATROL	RECESSED MANIFOLD W/ CABINET. INTEGRAL 120V, FHP CIRC PUMP & 3-WAY MIXING VALVE.
M-3	#3	TRAINING ROOM	1100	3/4" @ 9"	SEE ARCH	25	72	42.2	120	40% GLYCOL	3.3 GPM	20FT	KILAMATROL	RECESSED MANIFOLD W/ CABINET. INTEGRAL 120V, FHP CIRC PUMP & 3-WAY MIXING VALVE.
M-4	#4	BUNKER GEAR	600	3/4" @ 9"	BARE CONCRETE	40	75	6.9	120	40% GLYCOL	2.0 GPM	20FT	KILAMATROL	RECESSED MANIFOLD W/ CABINET. INTEGRAL 120V, FHP CIRC PUMP & 3-WAY MIXING VALVE.

## GENERAL NOTES:

1. FLOOR AREA IS APPROXIMATE. SYSTEM SUPPLIER MUST CONFIRM FINAL LAYOUTS ON ARCHITECTURAL DRAWINGS.

## GENERAL NOTES

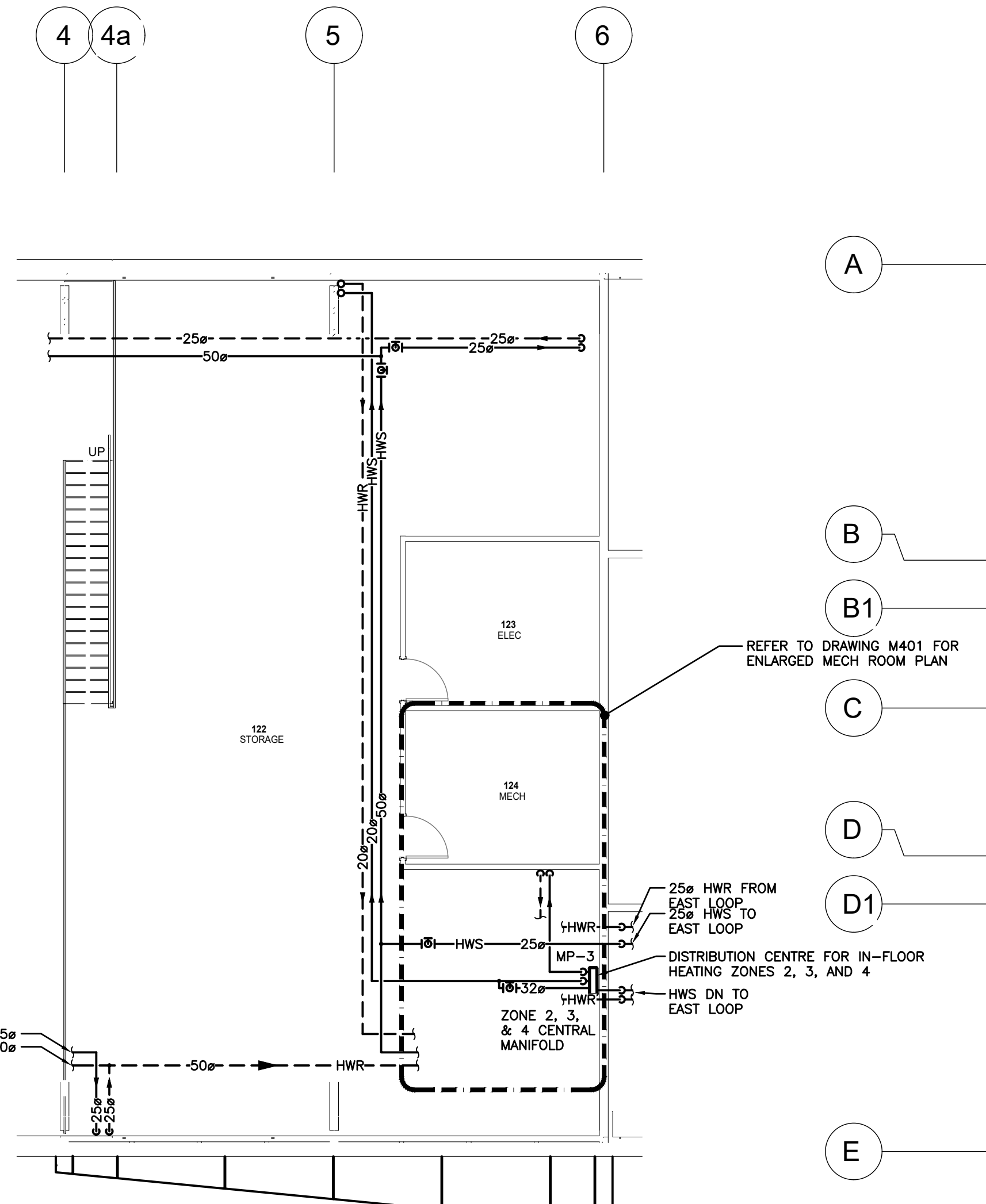
- ENSURE ALL IN-FLOOR HEAT PIPING IS COORDINATED WITH OTHER TRADES PRIOR TO INSTALLATION.



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.  
© 2025 DEI Consulting Engineers

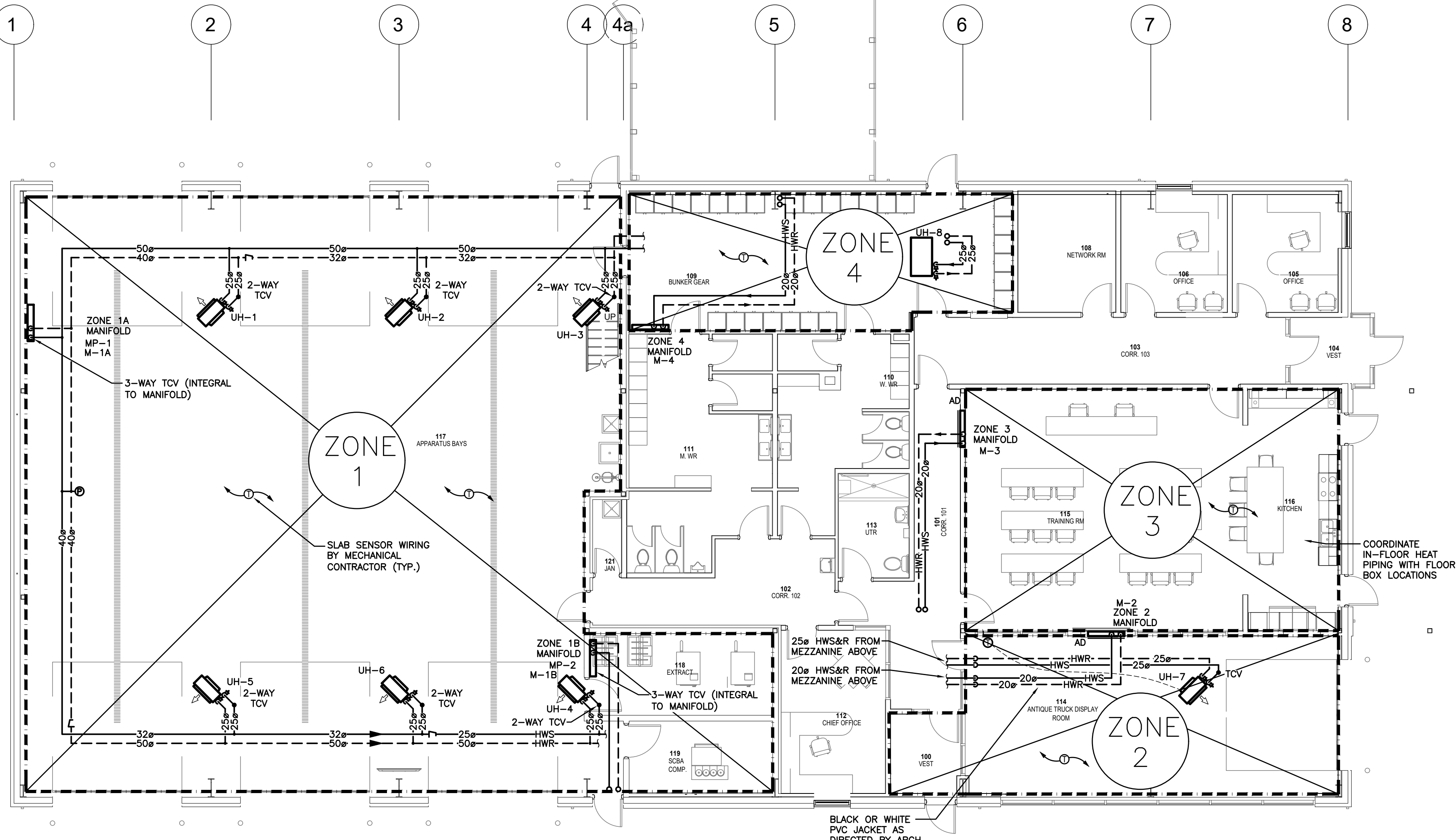
## REVISIONS:

NO.	DATE	ISSUED FOR
1.	2024.11.29	ISSUED FOR 60% COORDINATION
2.	2024.12.20	RE-ISSUED FOR 60% COORDINATION
3.	2025.02.14	ISSUED FOR CLASS A COST ESTIMATION
4.	2025.05.20	ISSUED FOR PERMIT
5.	2025.06.05	ISSUED FOR REVIEW
6.	2025.06.13	REISSUED FOR PERMIT
7.	2025.07.09	ISSUED FOR TENDER



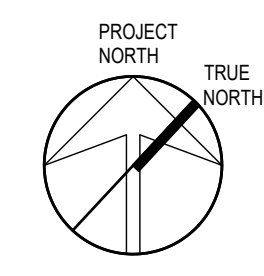
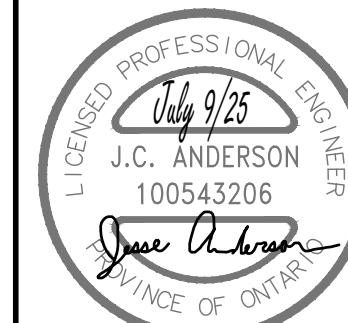
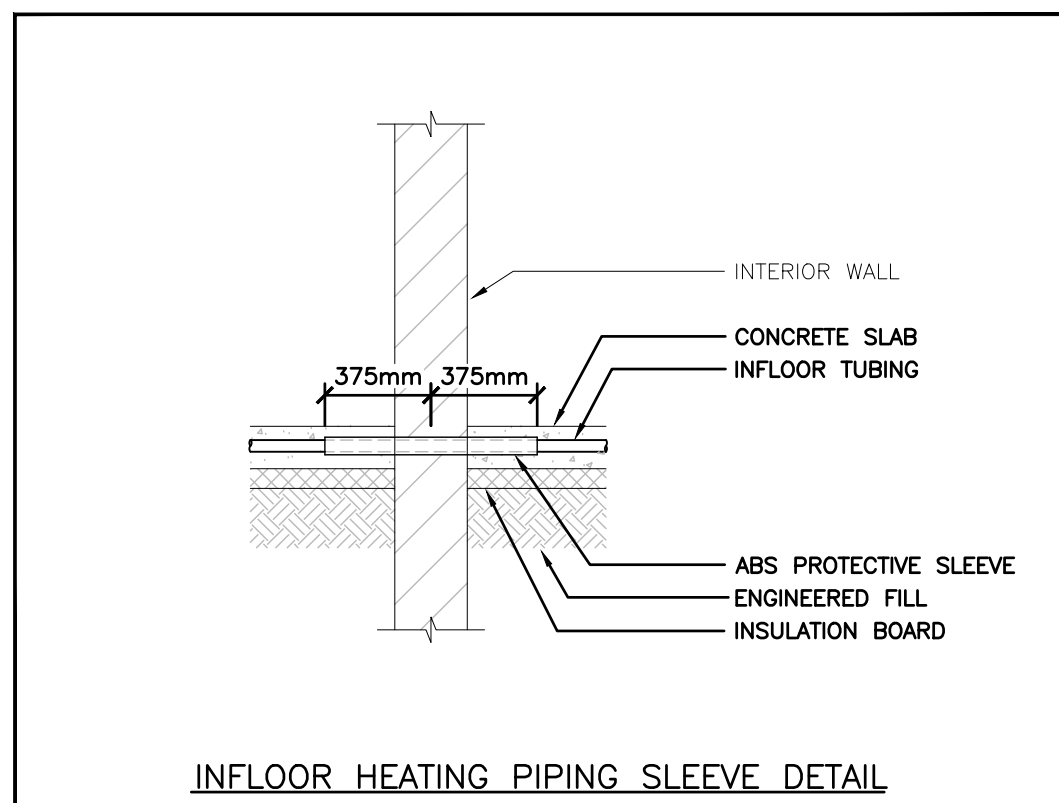
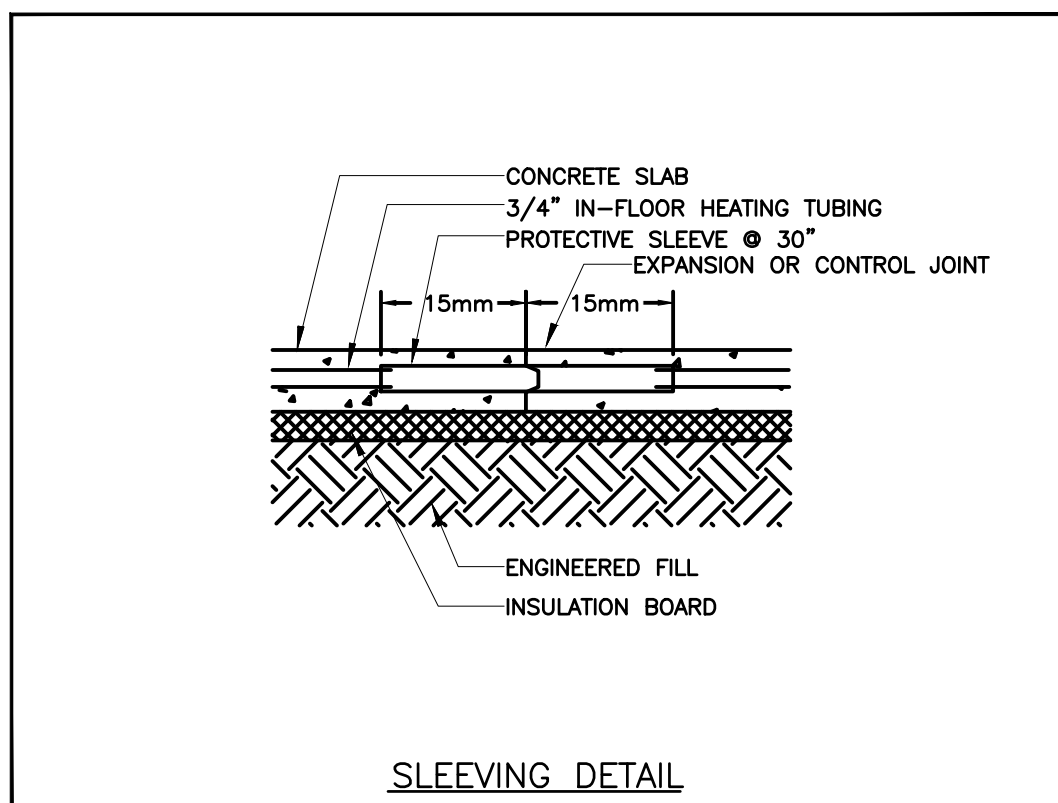
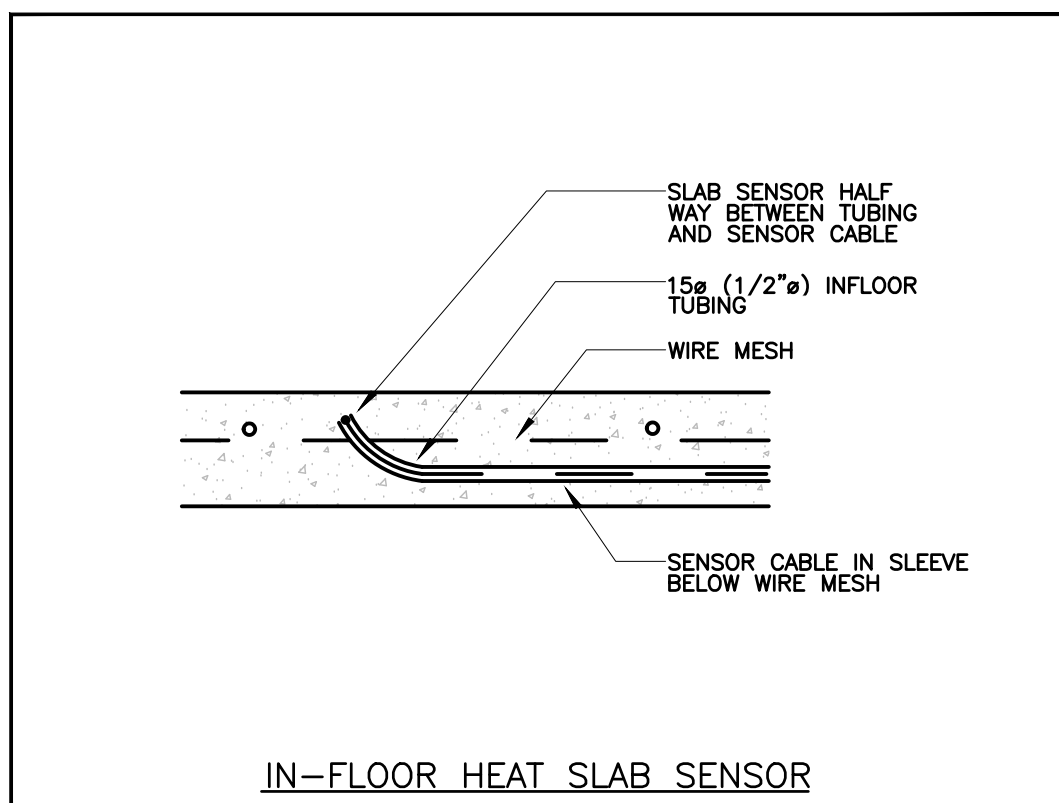
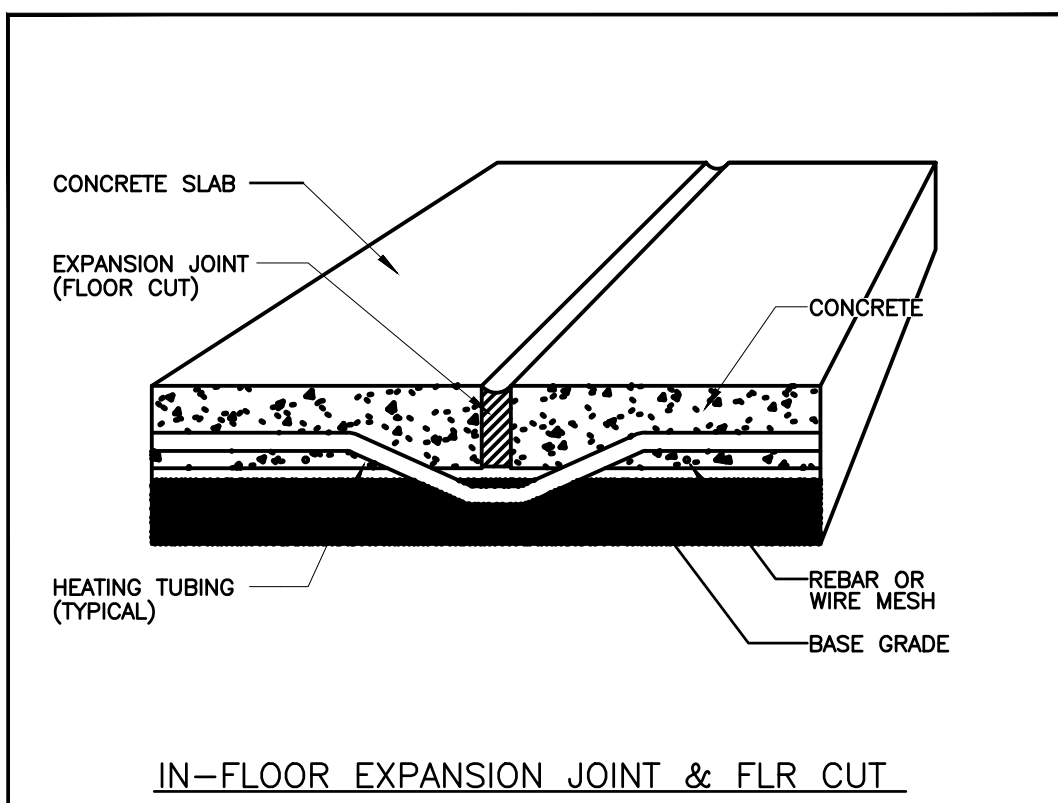
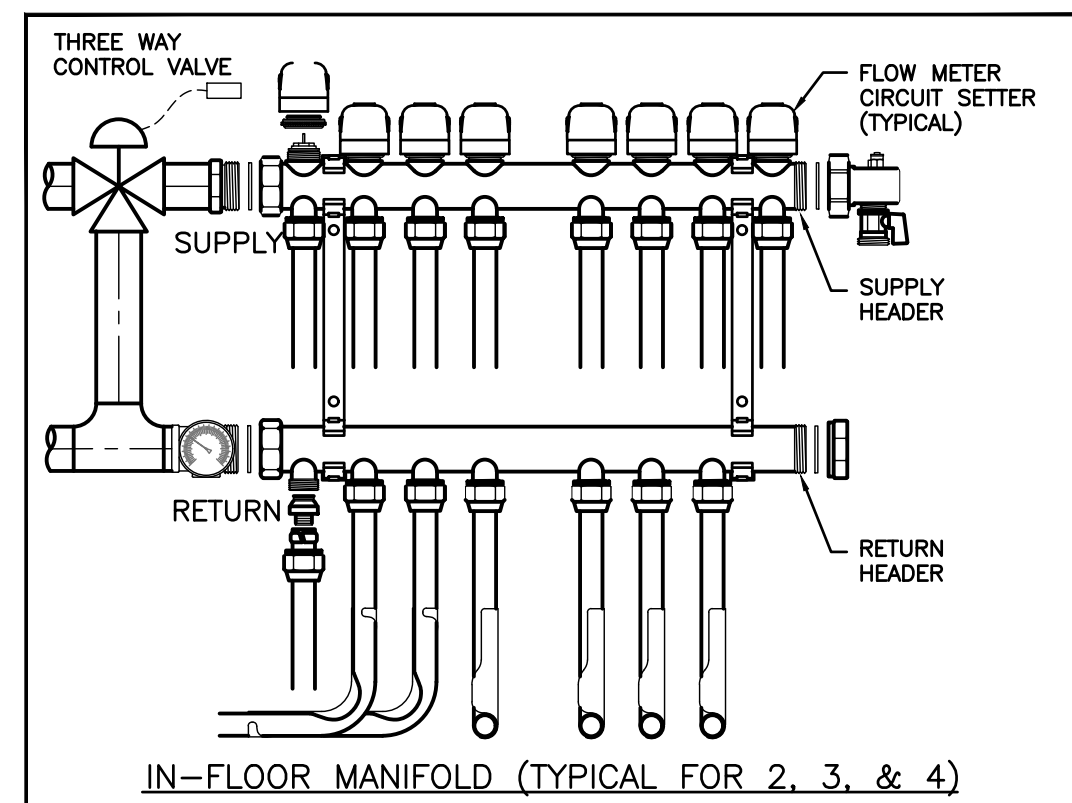
## MEZZANINE HYDRONIC PLAN

SCALE: 1:100

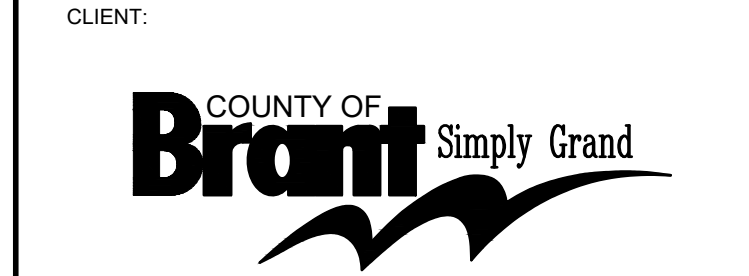


## GROUND FLOOR HYDRONIC HEATING PLAN

SCALE: 1:100



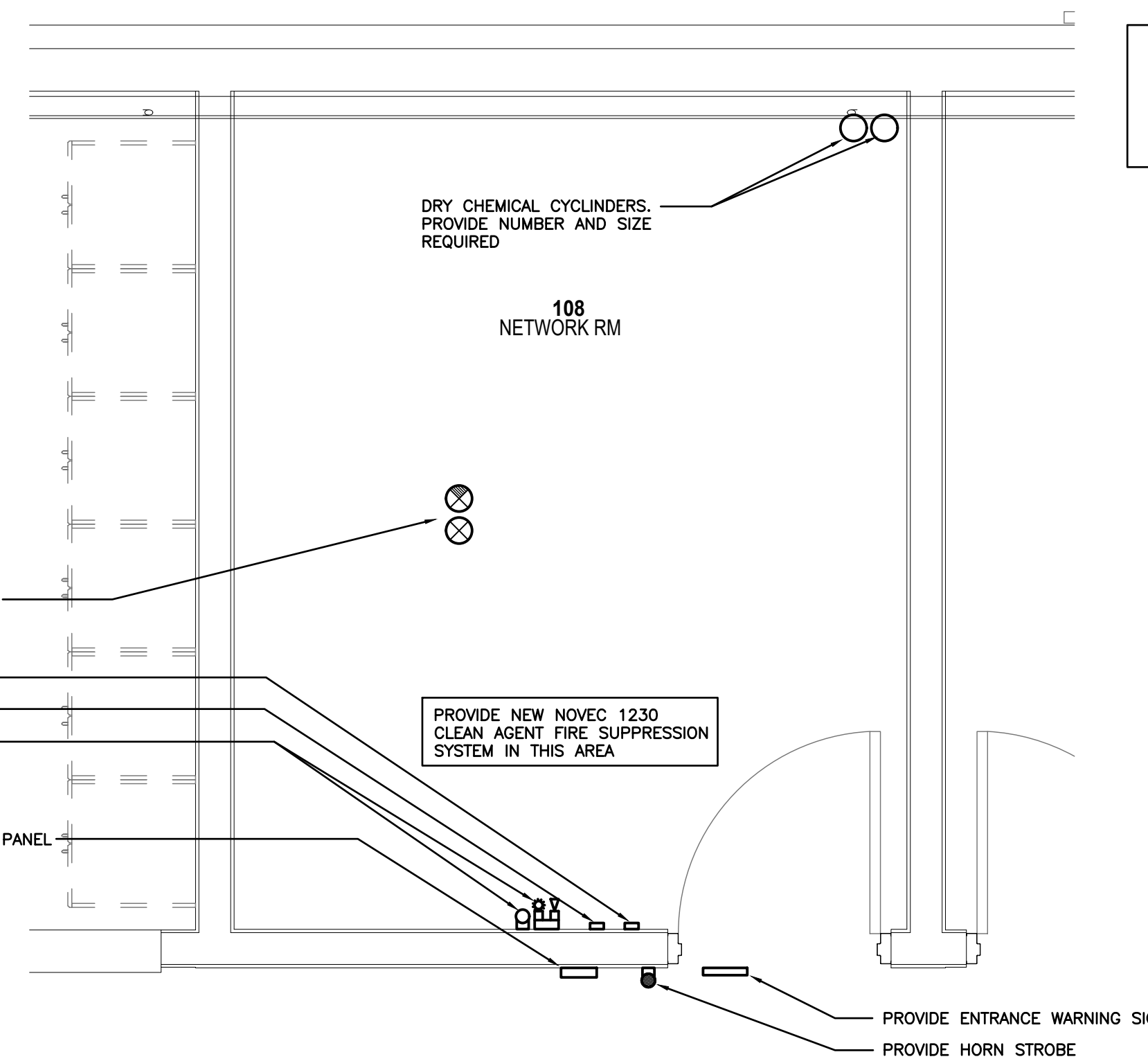
PROJECT: NORTH PARIS FIRE STATION  
21 ANN WILSON WAY (SCOTT AVE)



COUNTY PROJECT NO.: CPS-RFT-25-03

DRAWING TITLE: HYDRONIC HEATING PLANS

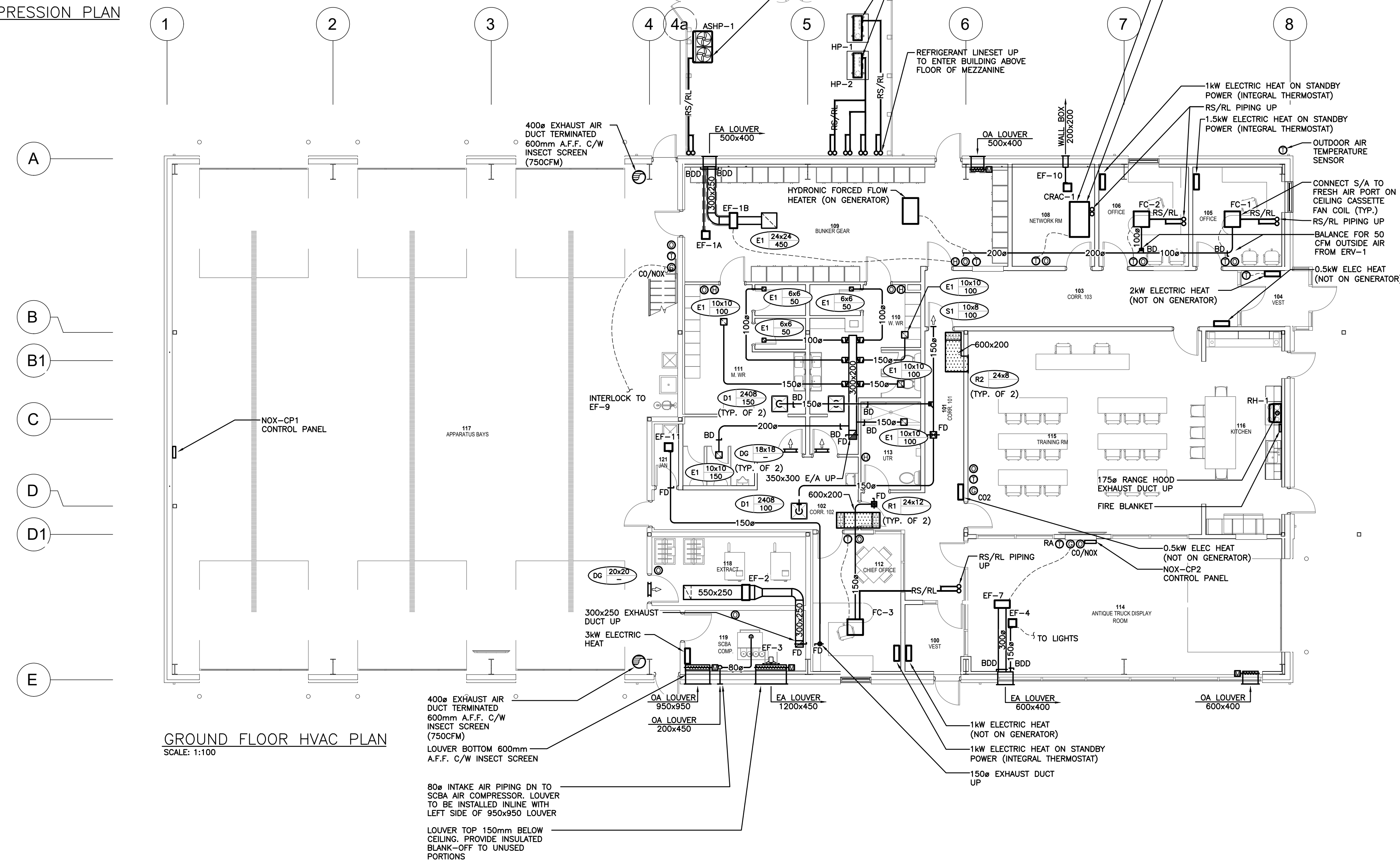
DATE: 2025.07.09  
SCALE: As Noted  
DRAWN: SVA  
STATUS: TENDER  
JOB NO.: 2411  
DRAWING NO.: M203



ENLARGED NETWORK ROOM FIRE SUPPRESSION PLAN  
SCALE: 1:25

NETWORK ROOM GENERAL NOTE

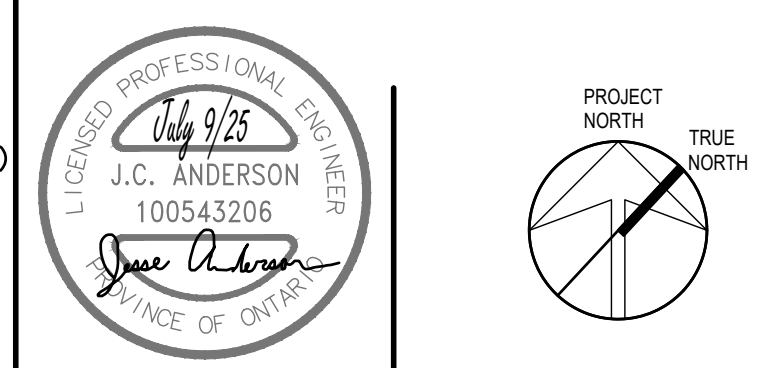
- ALL WIRING RELATED TO FIRE DATA ROOM FIRE SUPPRESSION BY MECHANICAL CONTRACTOR.



GROUND FLOOR HVAC PLAN  
SCALE: 1:100

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.  
© 2025 DEI Consulting Engineers

REVISIONS:			
NO.:	DATE:	ISSUED:	
1.	2024.11.29	ISSUED FOR 60% COORDINATION	
2.	2024.12.20	RE-ISSUED FOR 60% COORDINATION	
3.	2025.02.14	ISSUED FOR CLASS A COST ESTIMATION	
4.	2025.05.20	ISSUED FOR PERMIT	
5.	2025.06.05	ISSUED FOR REVIEW	
6.	2025.06.13	REISSUED FOR PERMIT	
7.	2025.07.09	ISSUED FOR TENDER	



PROJECT:

**NORTH PARIS FIRE STATION**

**21 ANN WILSON WAY (SCOTT AVE)**



COUNTY PROJECT NO.:

**CPS-RFT-25-03**

DRAWING TITLE:

**GROUND FLOOR HVAC PLAN AND NETWORK ROOM FIRE SUPPRESSION PLAN**

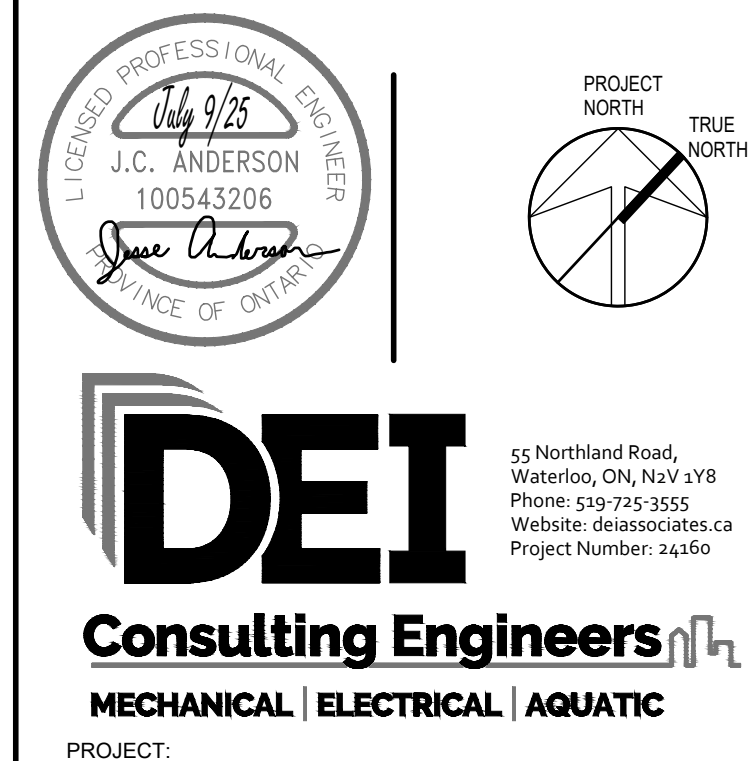
DATE: 2025.07.09  
SCALE: As Noted  
DRAWN: SVA  
STATUS: TENDER  
JOB NO.: 2411

DRAWING NO.:

**M301**



REVISONS:		
NO.:	DATE:	ISSUED:
1.	2024.11.29	ISSUED FOR 60% COORDINATION
2	2024.12.20	RE-ISSUED FOR 60% COORDINATION
3	2025.02.14	ISSUED FOR CLASS A COST ESTIMATION
4	2025.05.20	ISSUED FOR PERMIT
5	2025.06.05	ISSUED FOR REVIEW
6	2025.06.13	REISSUED FOR PERMIT
7	2025.07.09	ISSUED FOR TENDER



CLIENT:

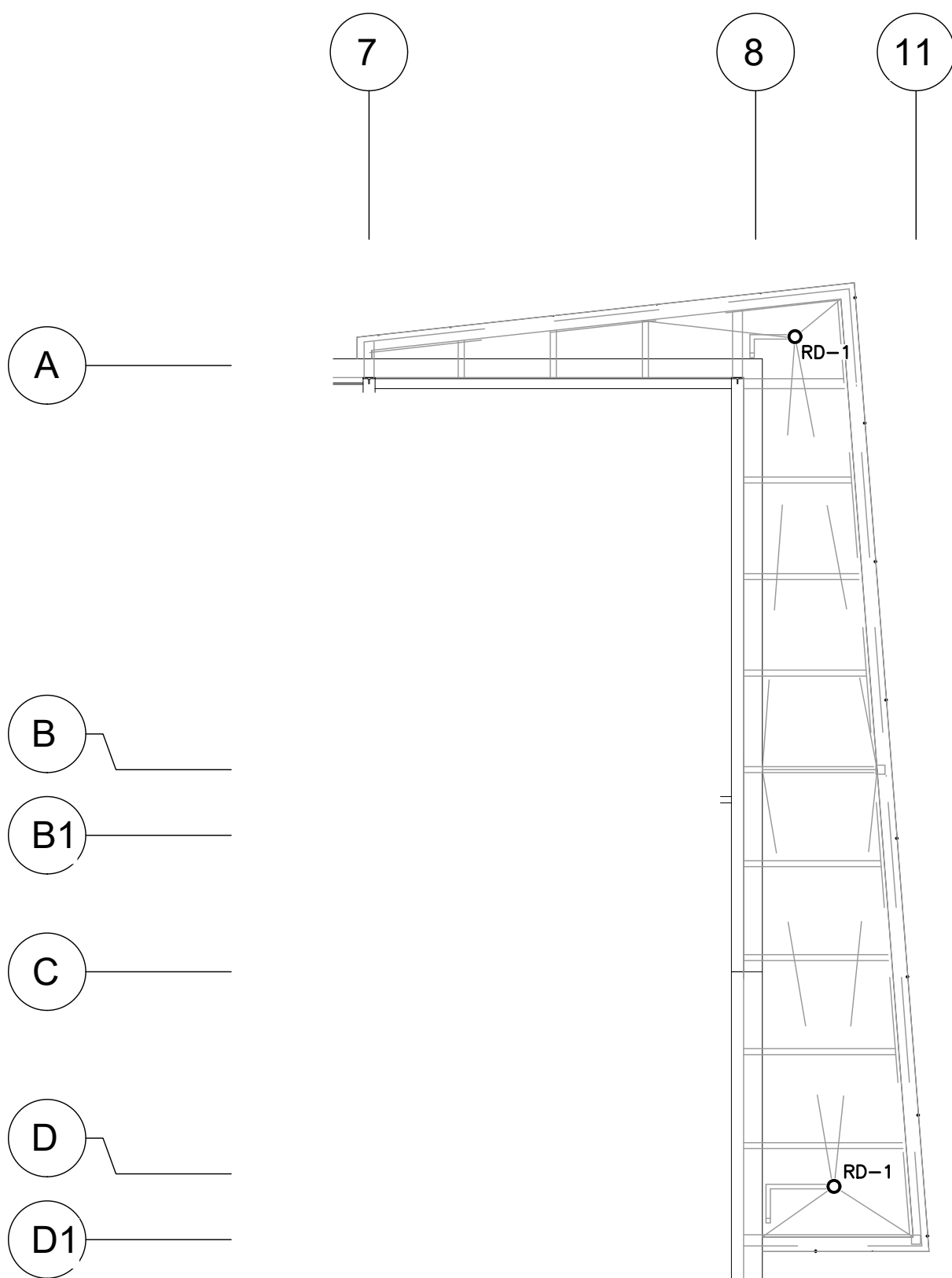
COUNTY OF  
**Brant** Simply Grand

DATE:	2025.07.09	DRAWING NO.:	M302
SCALE:	As Noted		
DRAWN:	SVA		
STATUS:	TENDER		
JOB NO.:	2411		

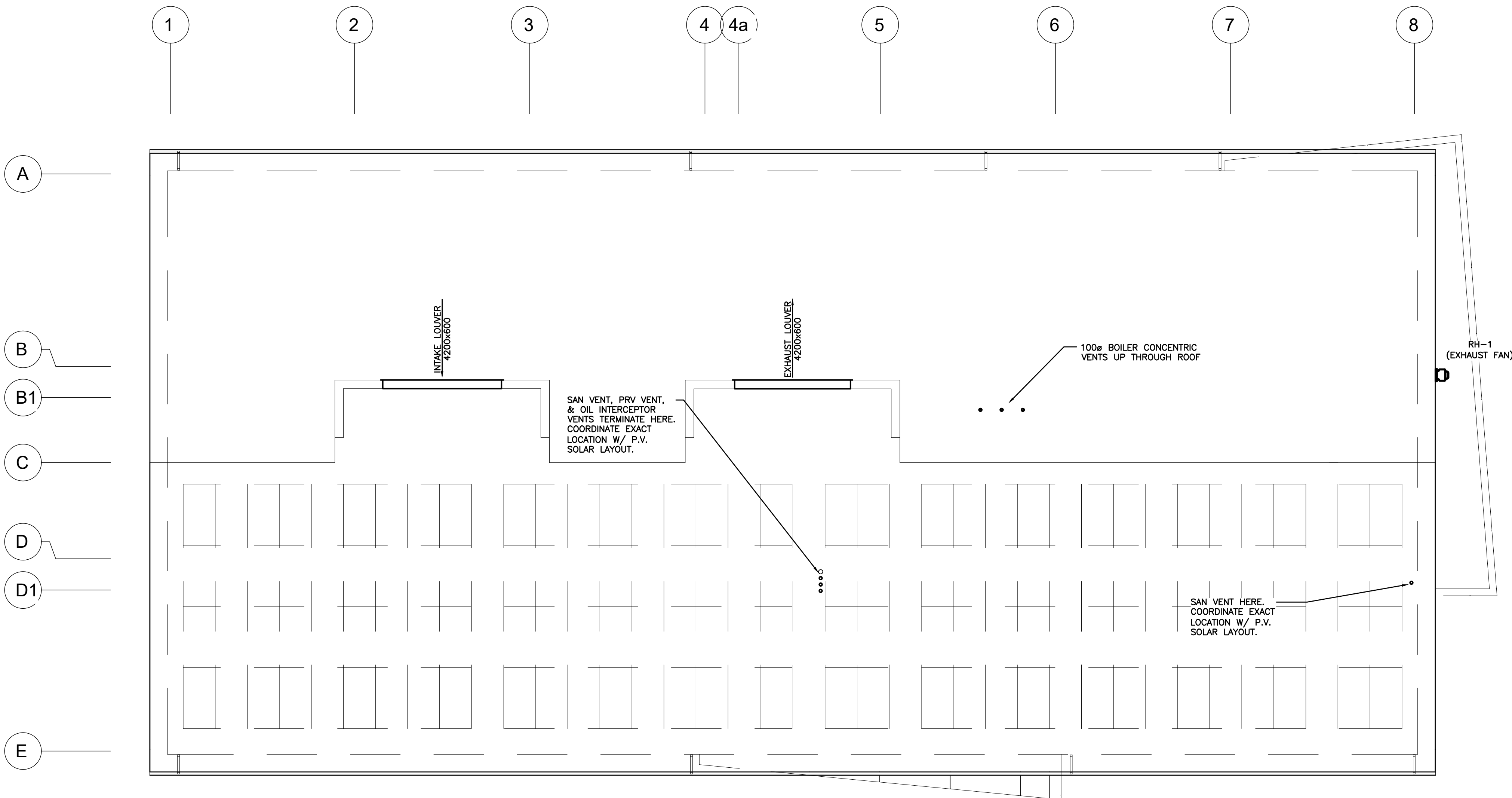
# M302

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.  
© 2025 DEI Consulting Engineers

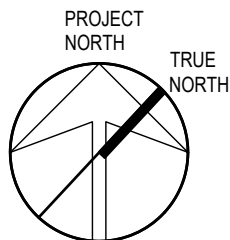
REVISIONS:		
NO.:	DATE:	ISSUED:
1.	2024.11.29	ISSUED FOR 60% COORDINATION
2	2024.12.20	RE-ISSUED FOR 60% COORDINATION
3	2025.02.14	ISSUED FOR CLASS A COST ESTIMATION
4	2025.05.20	ISSUED FOR PERMIT
5	2025.06.05	ISSUED FOR REVIEW
6	2025.06.13	REISSUED FOR PERMIT
7	2025.07.09	ISSUED FOR TENDER



CANOPY PLAN  
SCALE: 1:100



ROOF PLAN  
SCALE: 1:100



**DEI**  
Consulting Engineers  
MECHANICAL | ELECTRICAL | AQUATIC

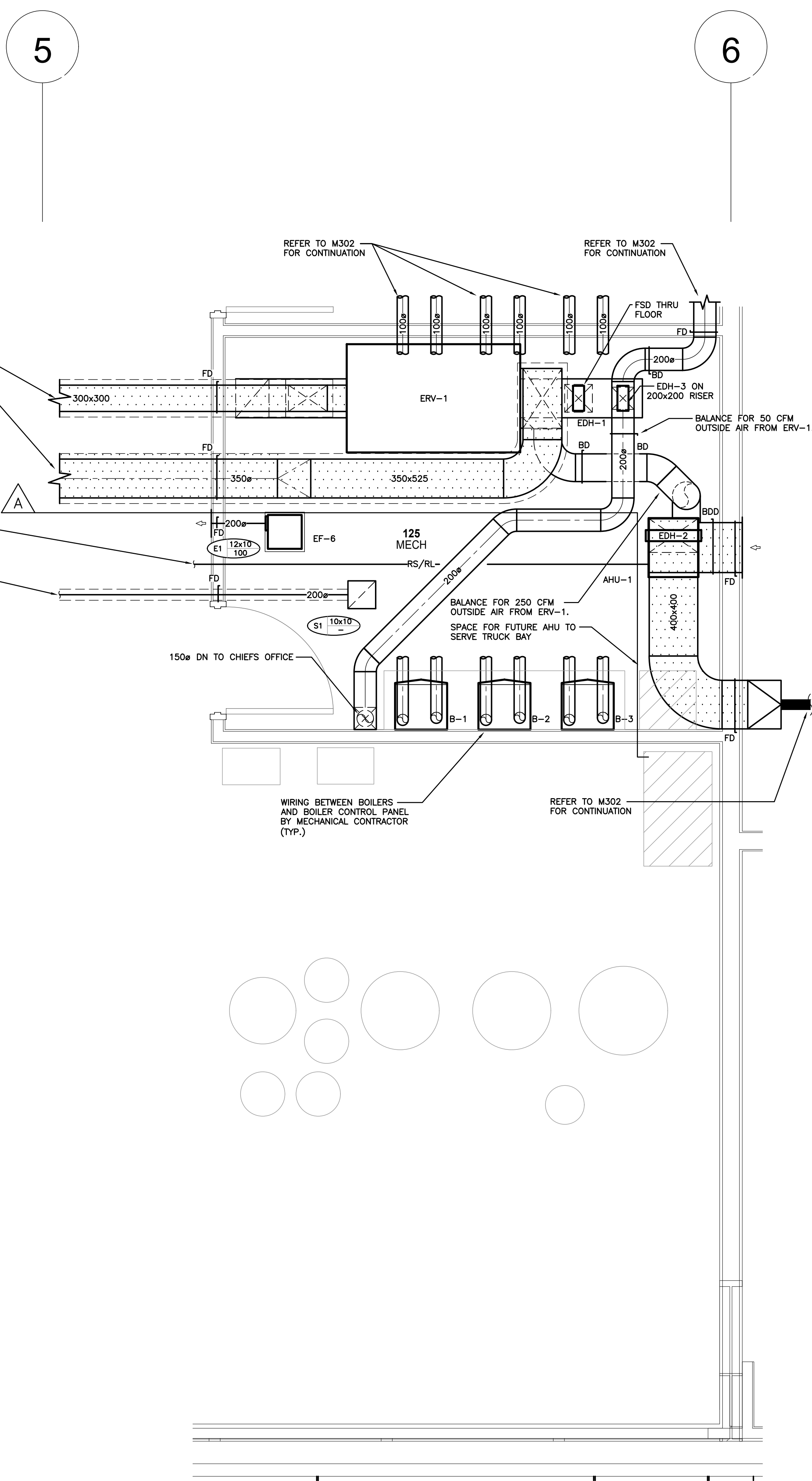
55 Northland Road,  
Waterloo, ON, N2V 1Y8  
Phone: 519-725-3555  
Website: deiassociates.ca  
Project Number: 24160

PROJECT:  
**NORTH PARIS  
FIRE STATION**  
**21 ANN WILSON WAY  
(SCOTT AVE)**



COUNTY PROJECT NO.:  
**CPS-RFT-25-03**  
DRAWING TITLE:  
**CANOPY & ROOF PLAN**

DATE:	2025.07.09	DRAWING NO.:	<b>M303</b>
SCALE:	As Noted		
DRAWN:	SVA		
STATUS:	TENDER		
JOB NO.:	2411		

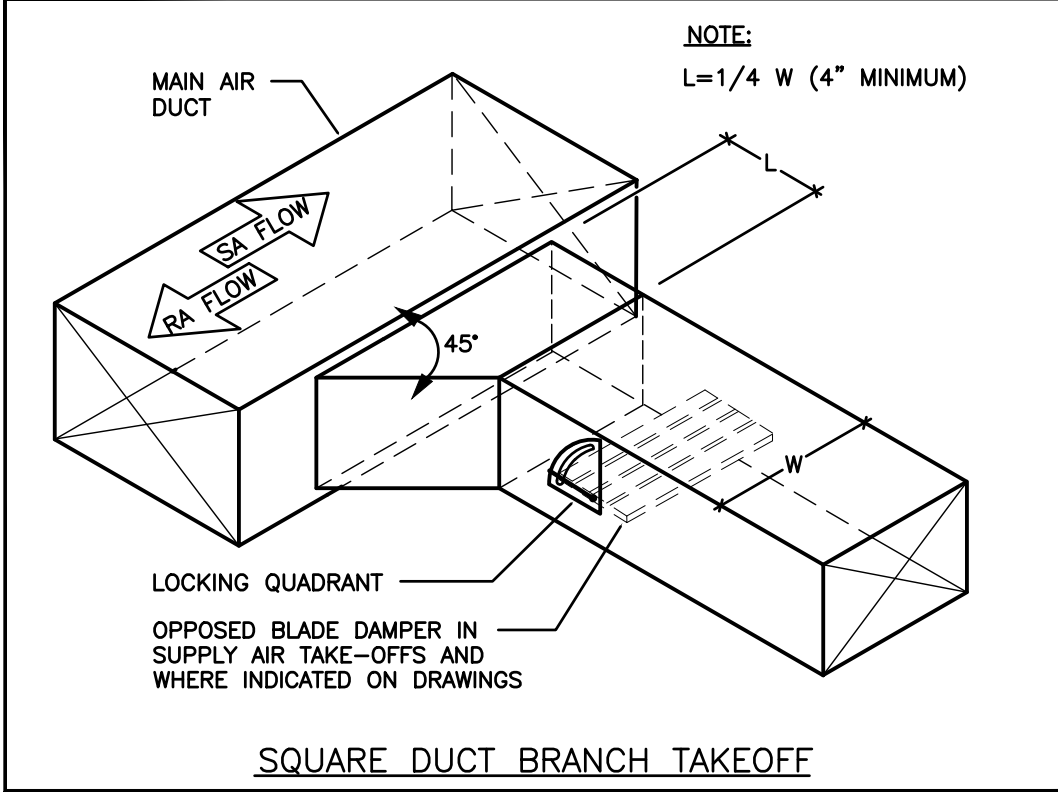
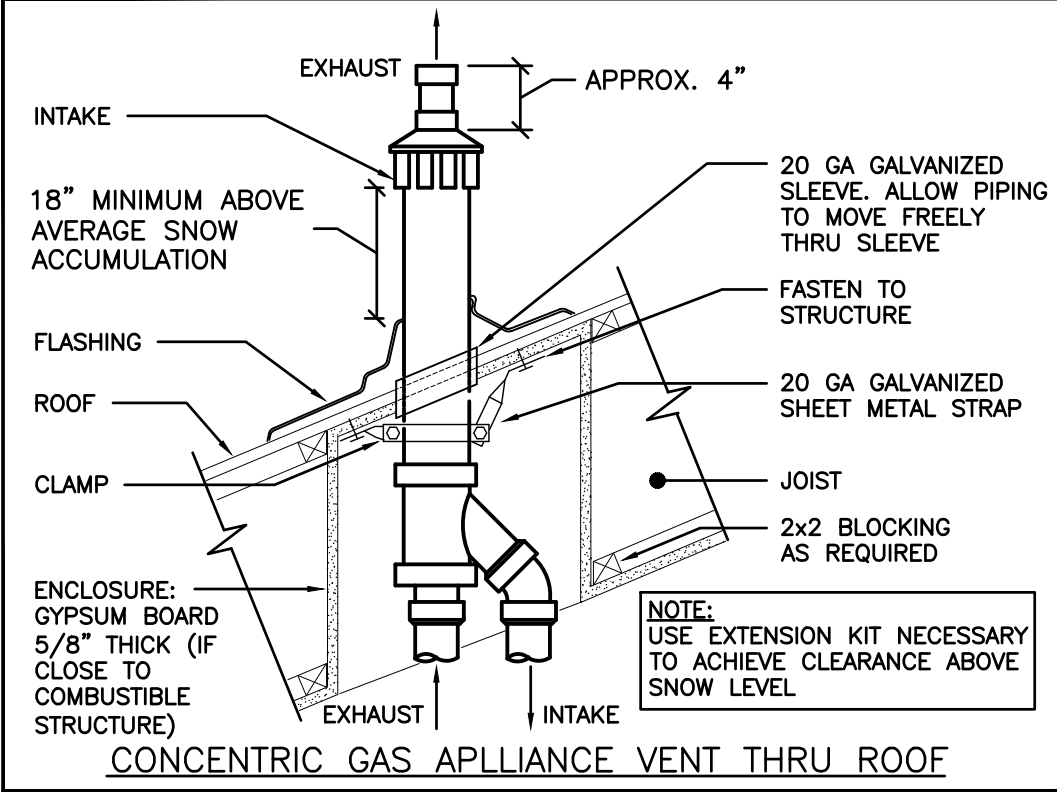
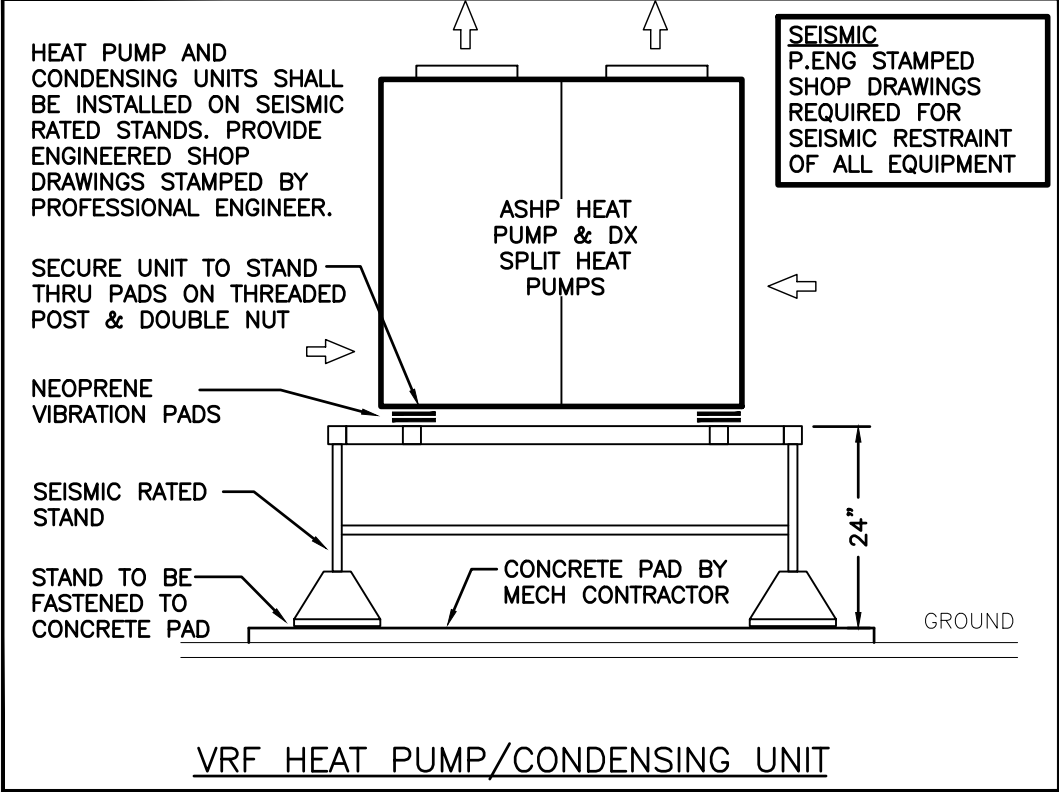
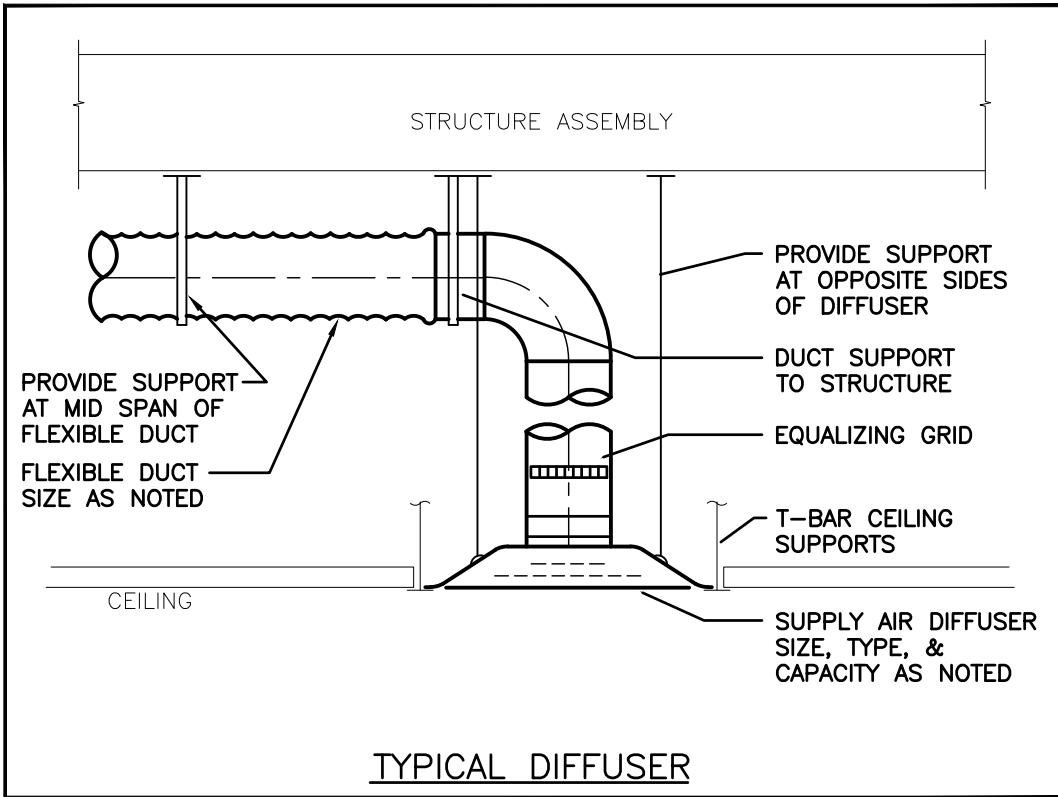
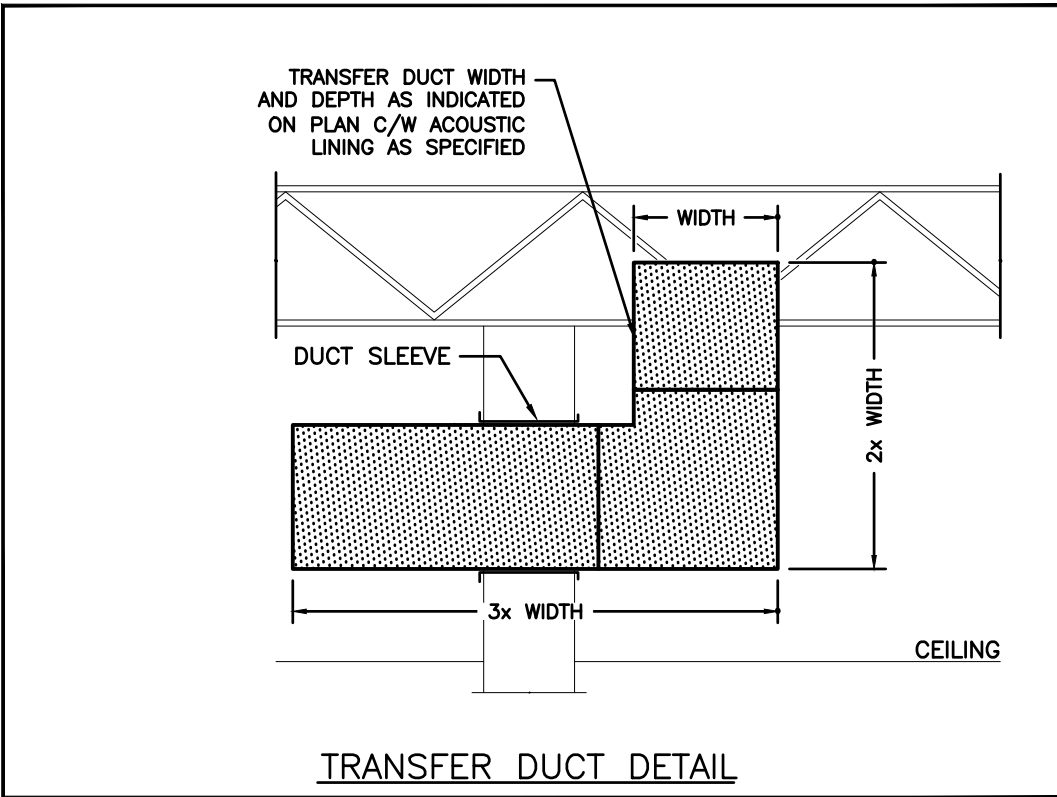
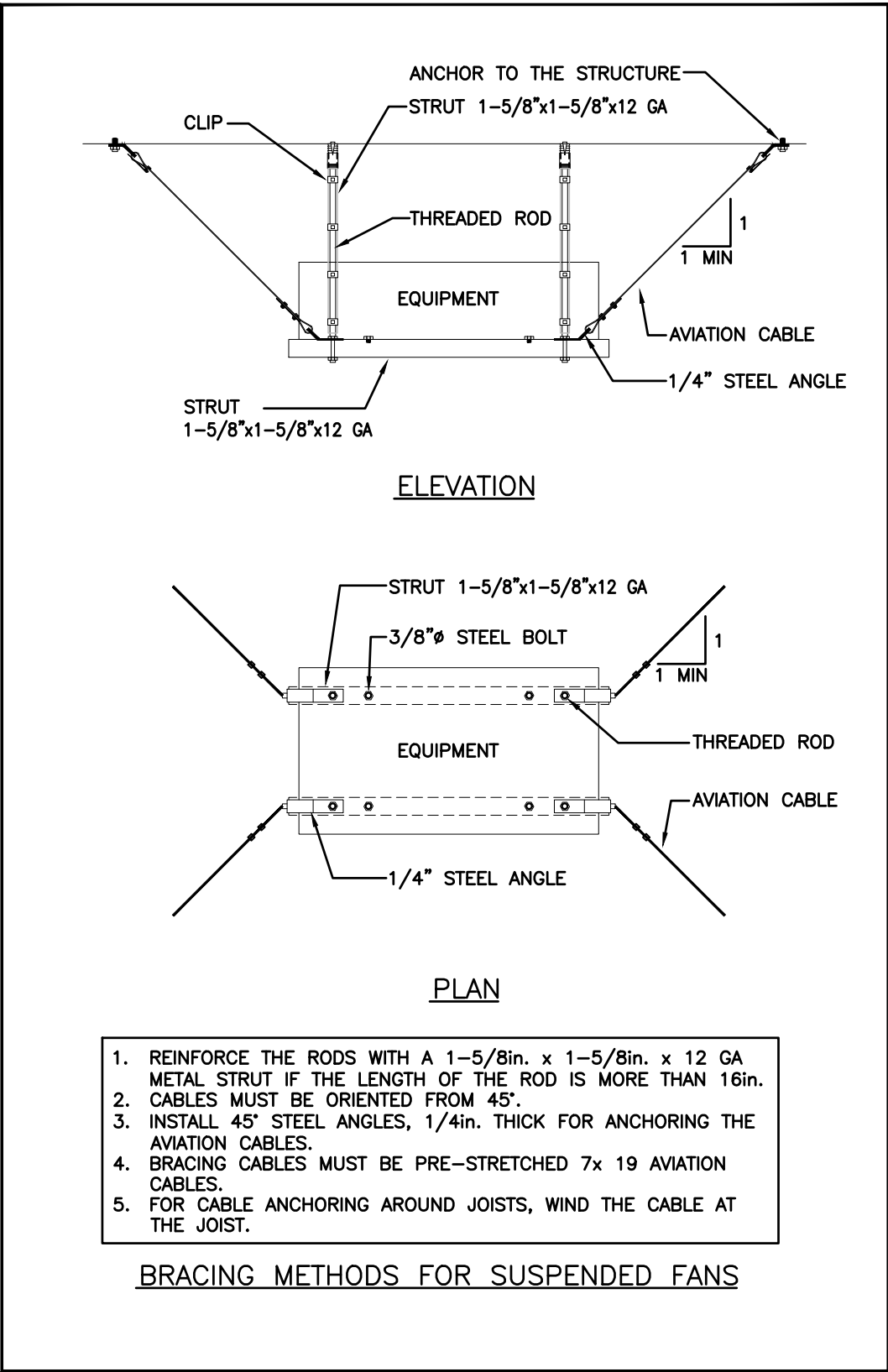
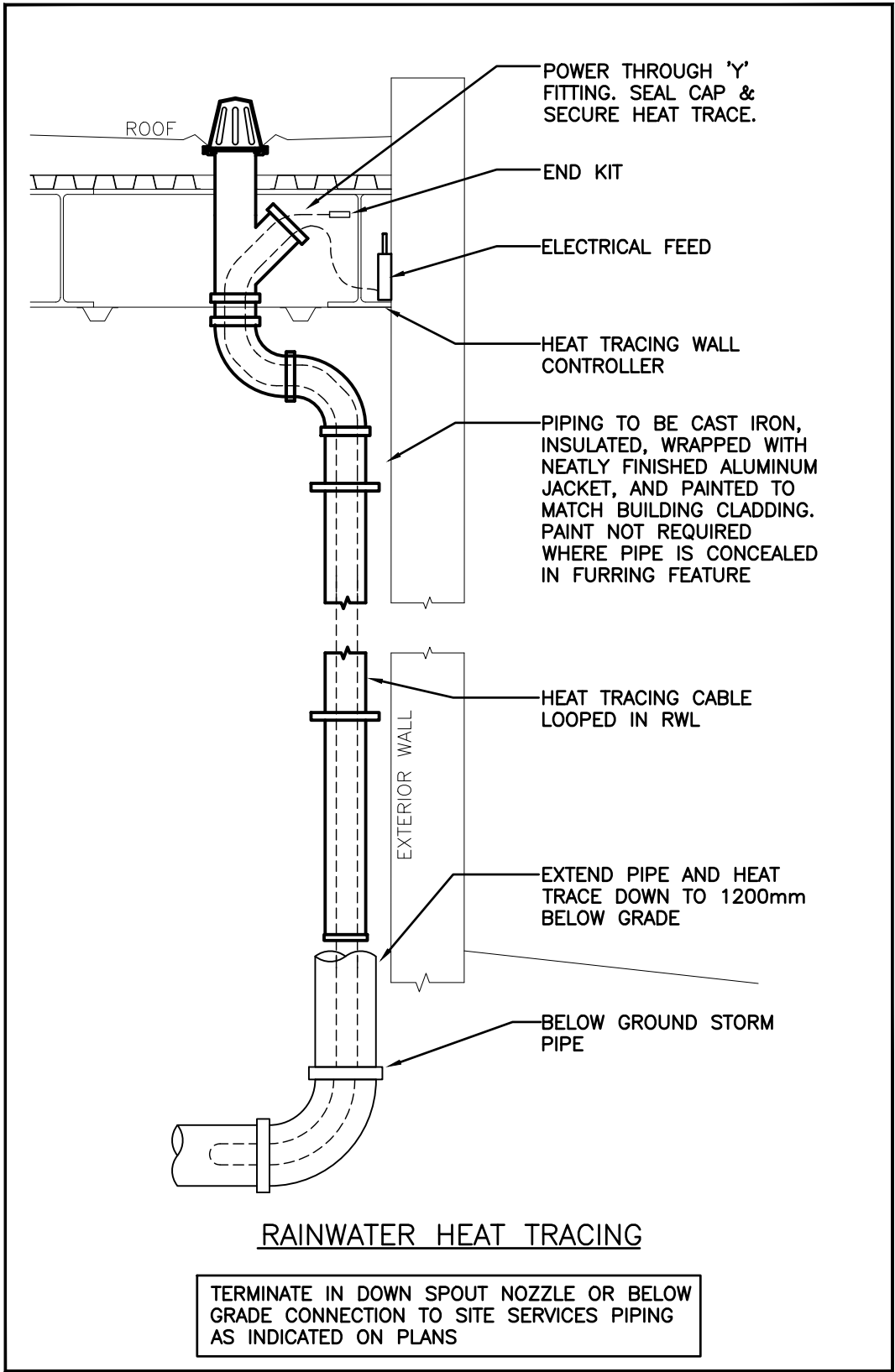
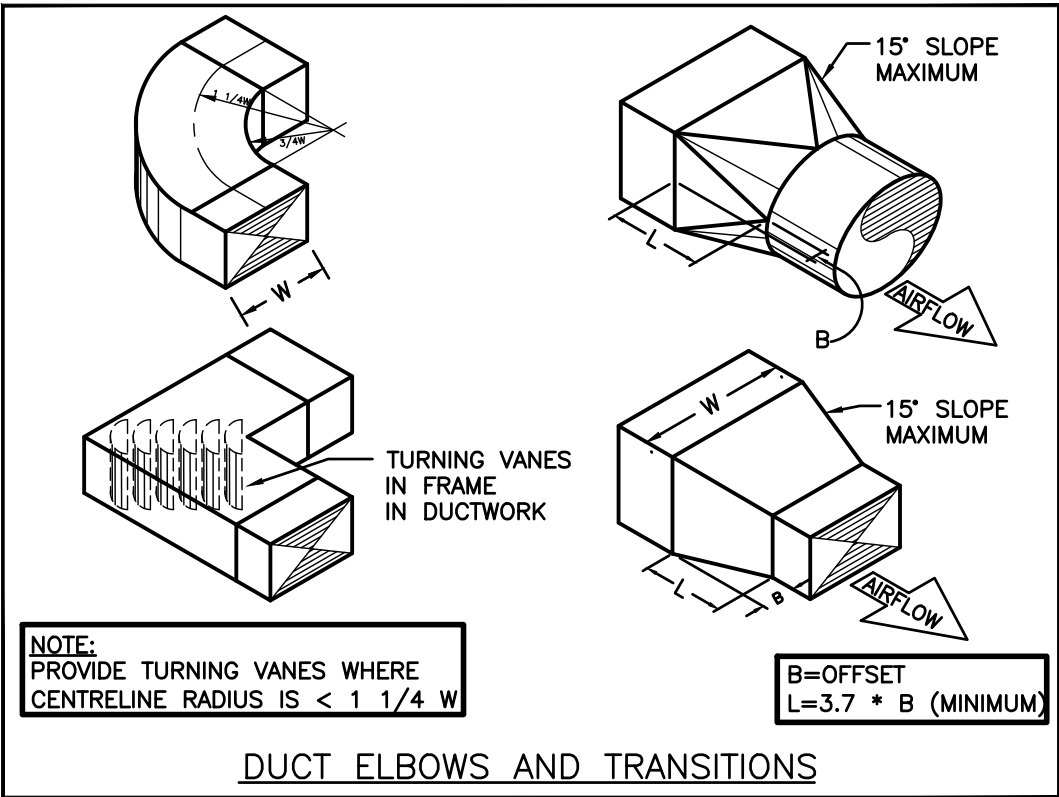
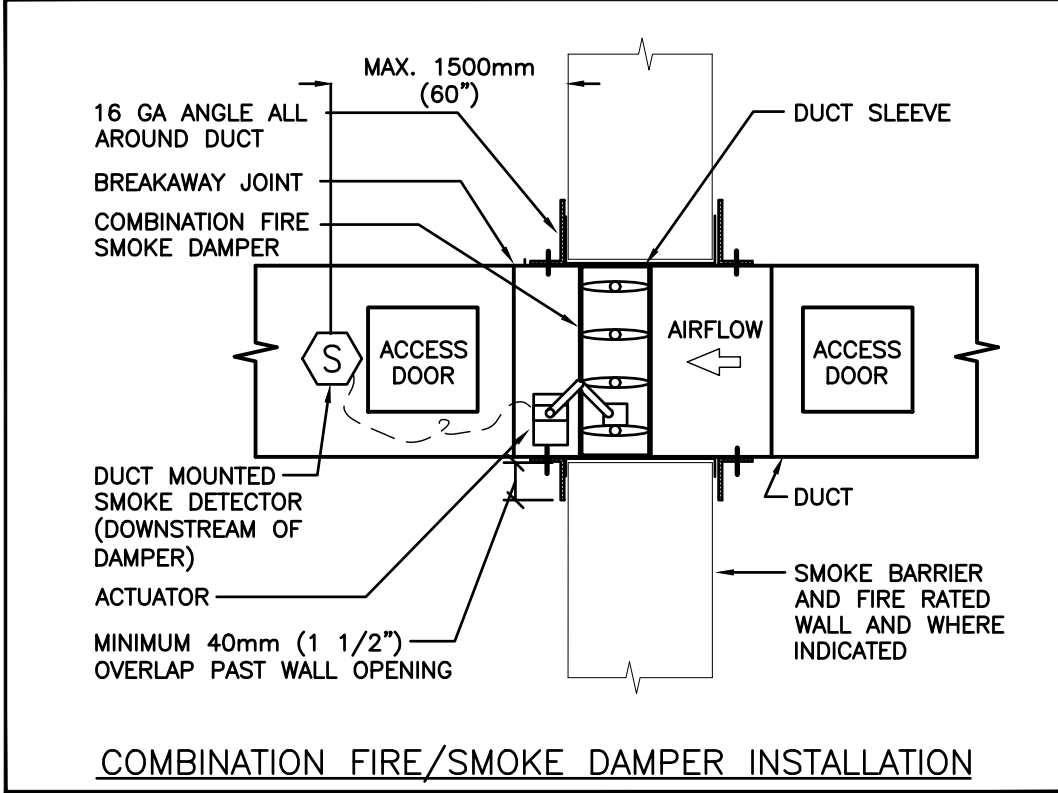
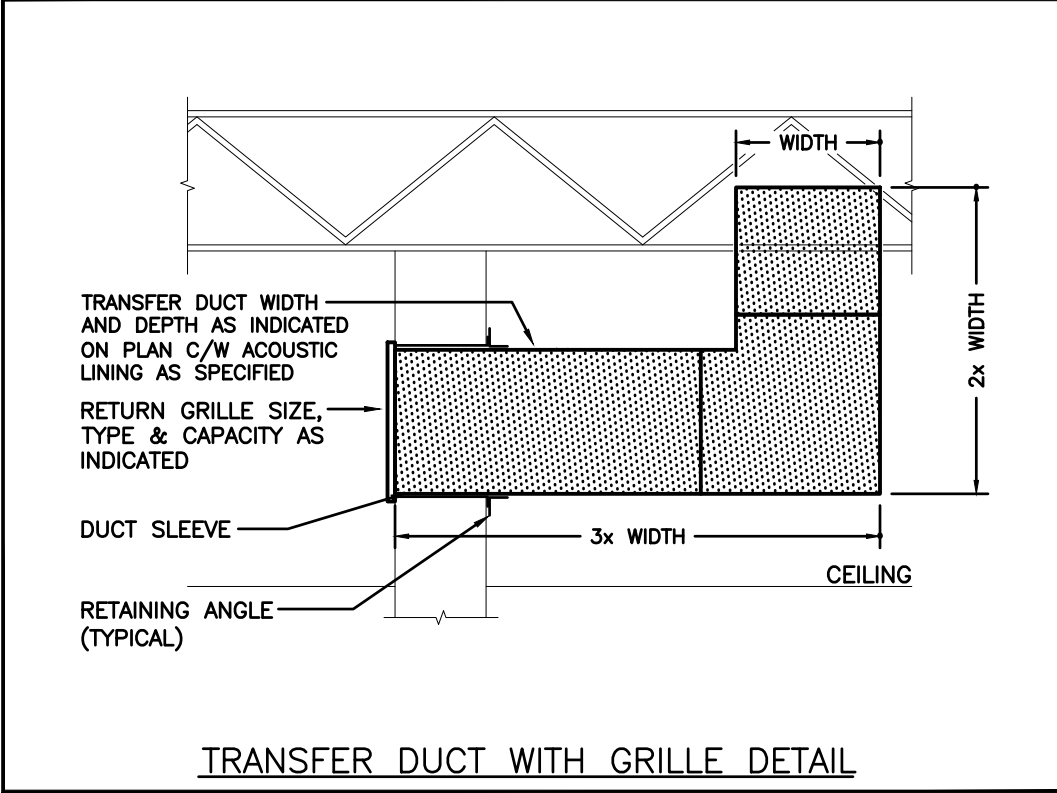
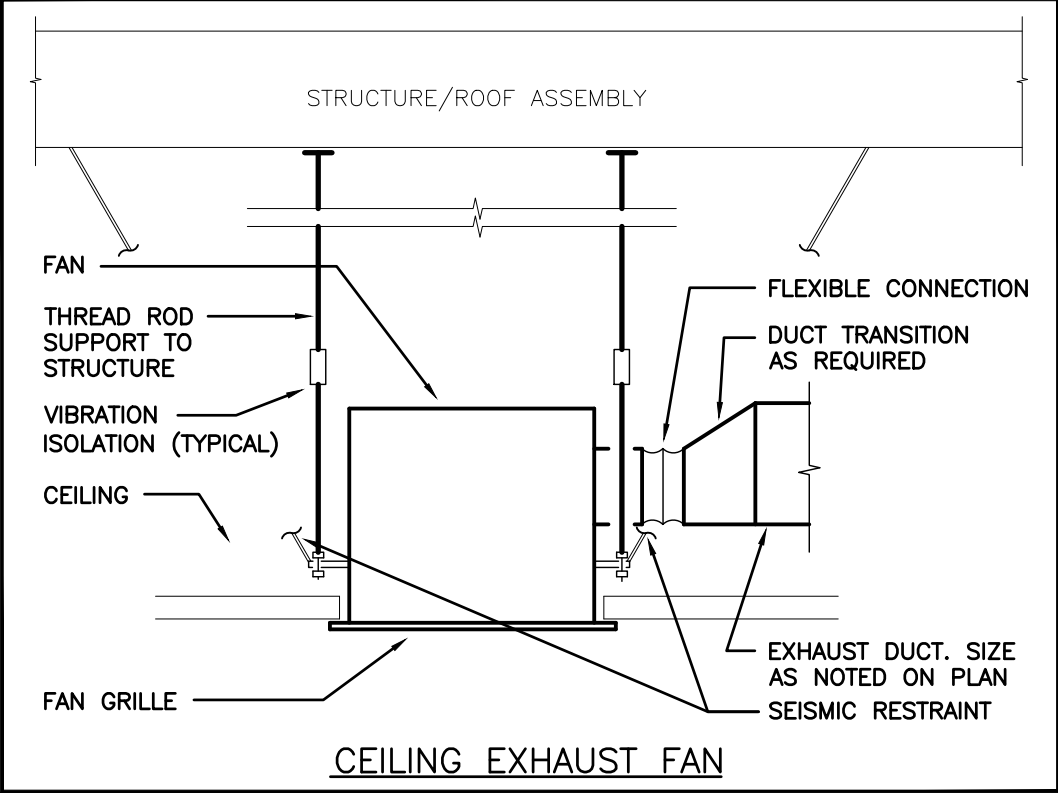
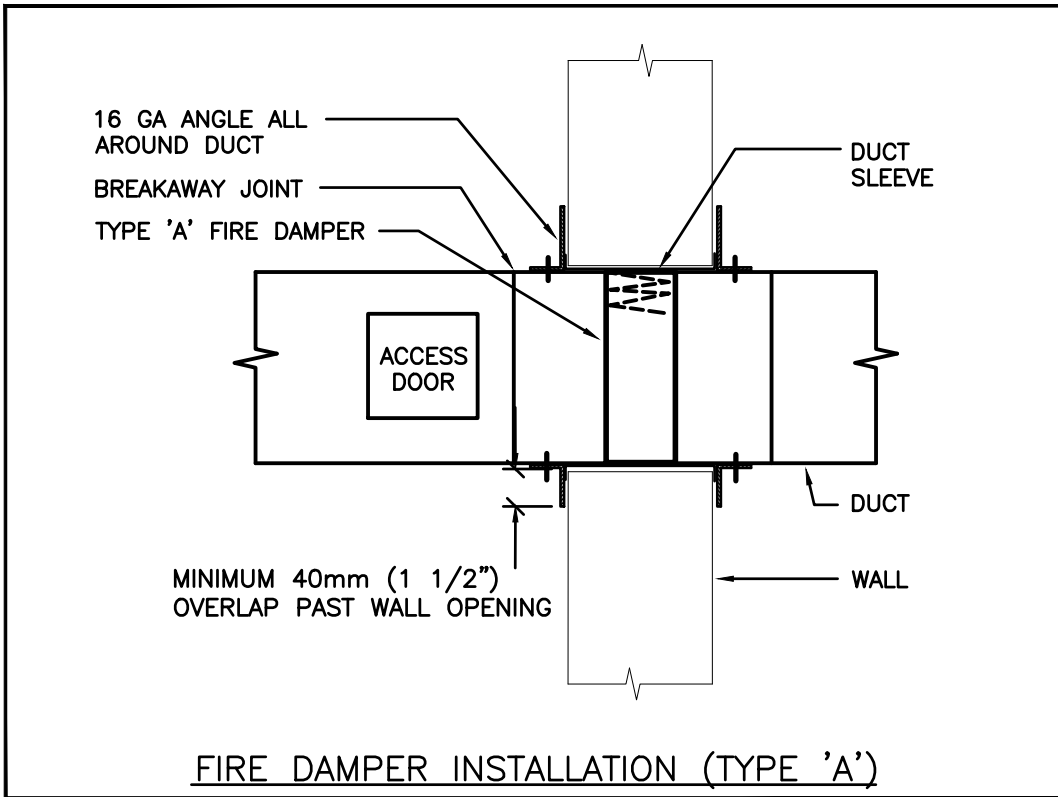
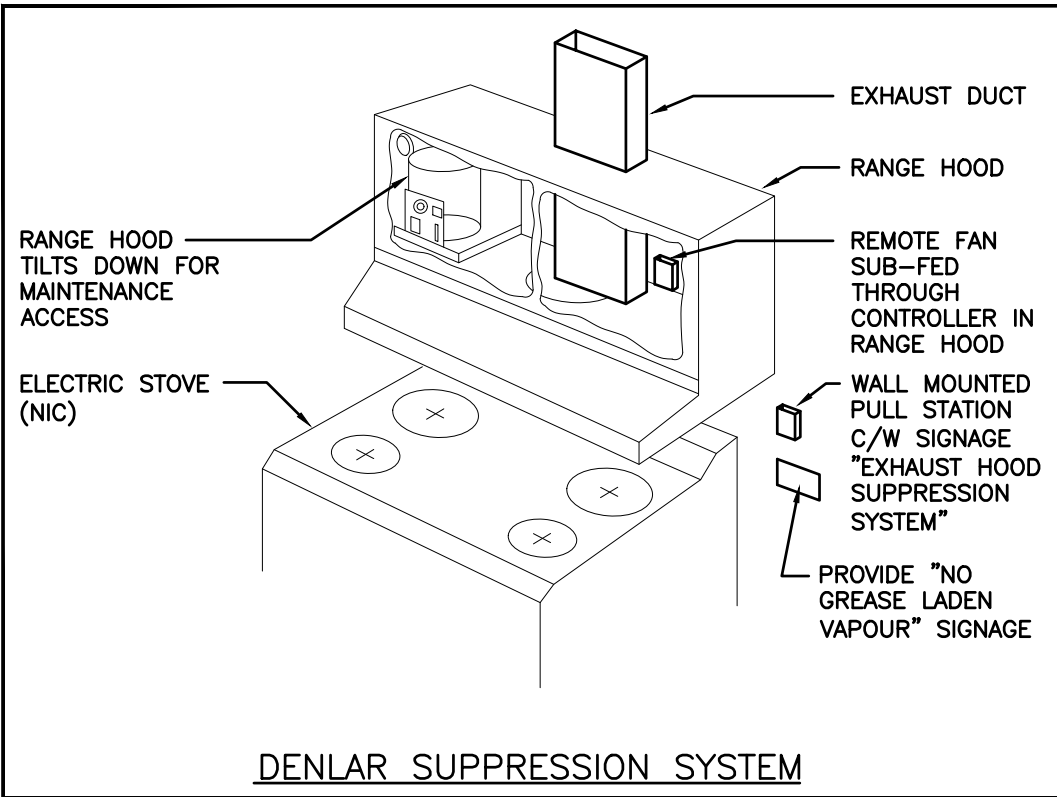
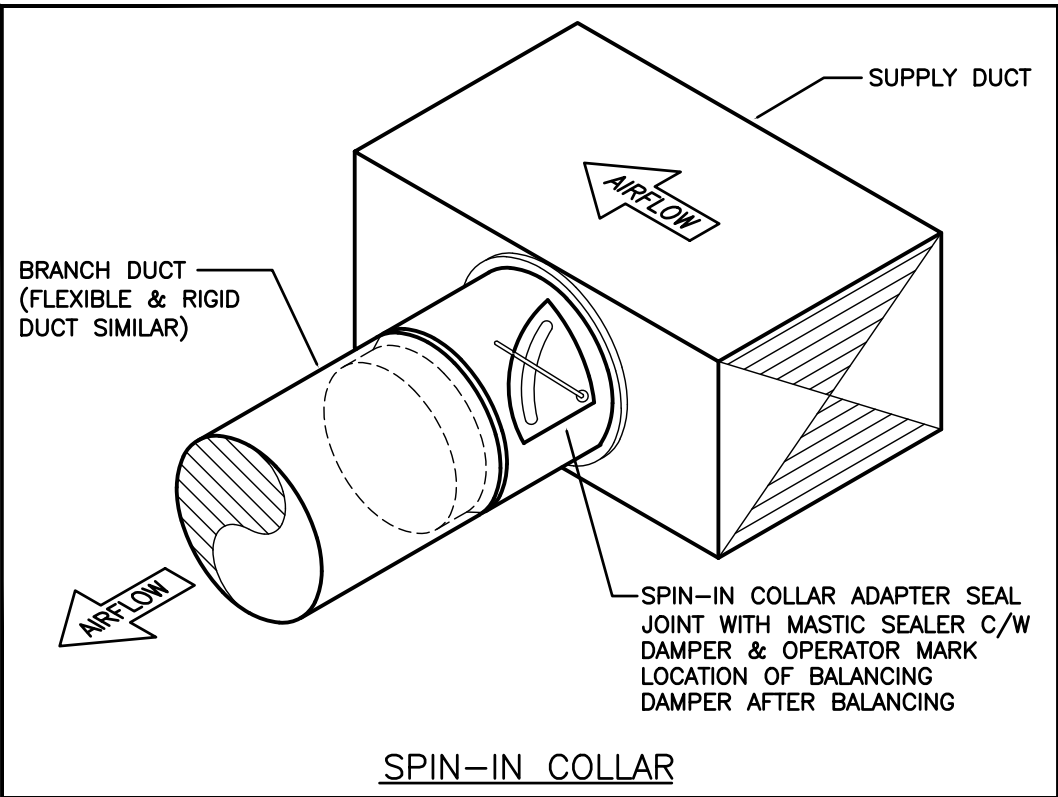
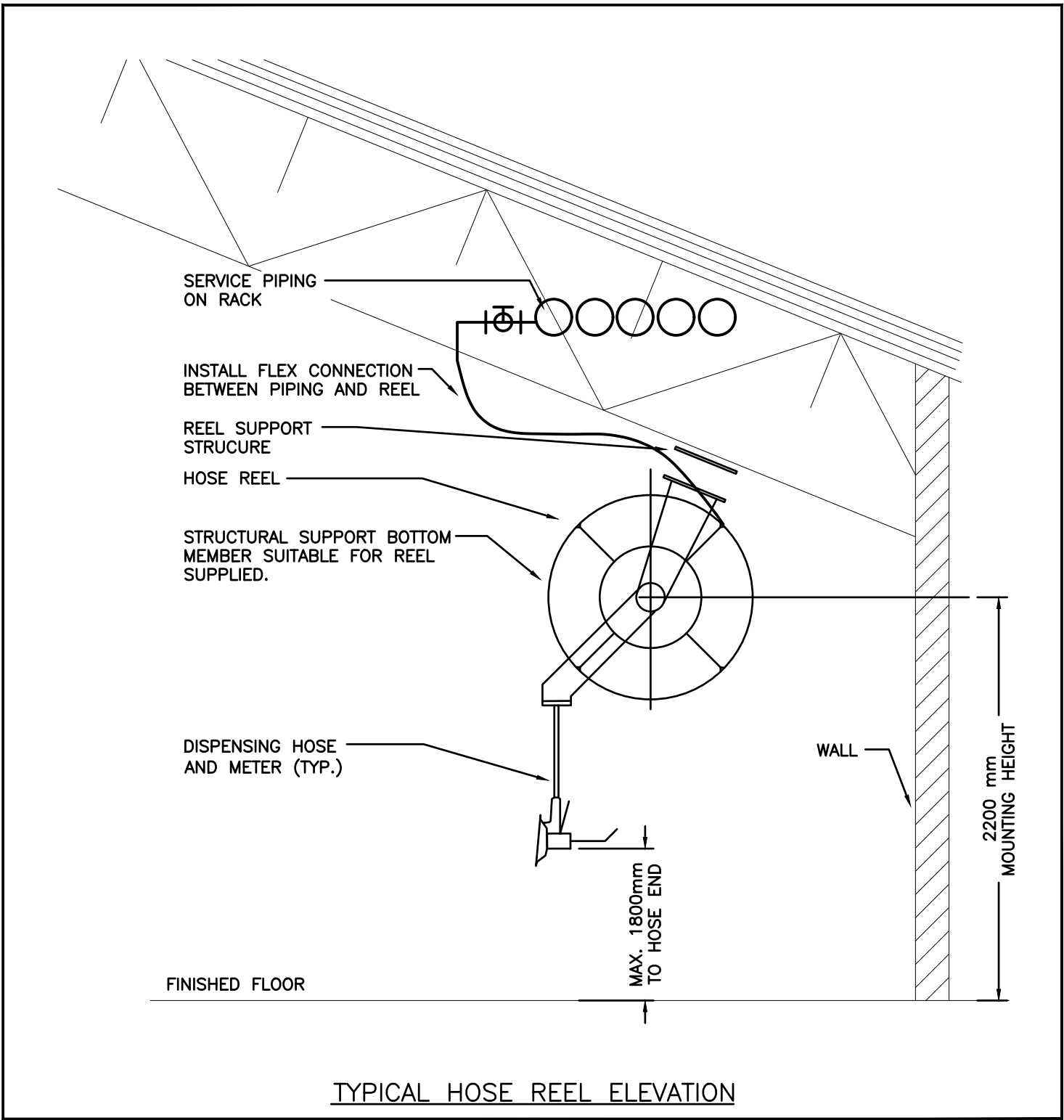
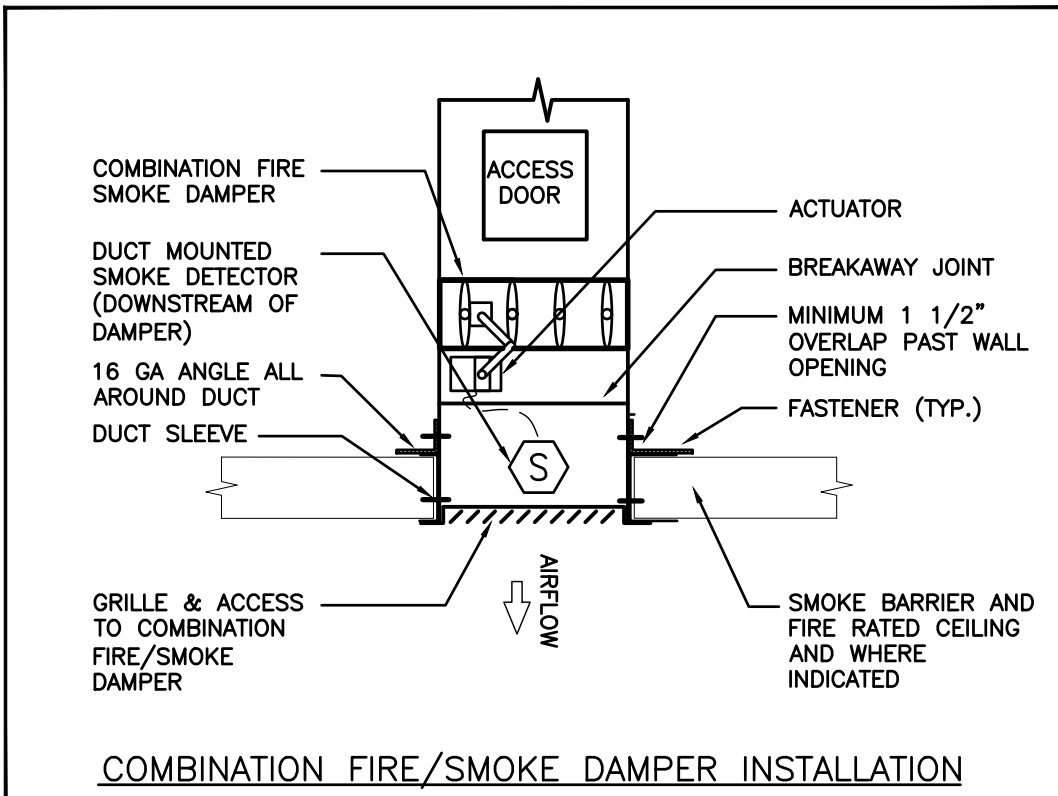
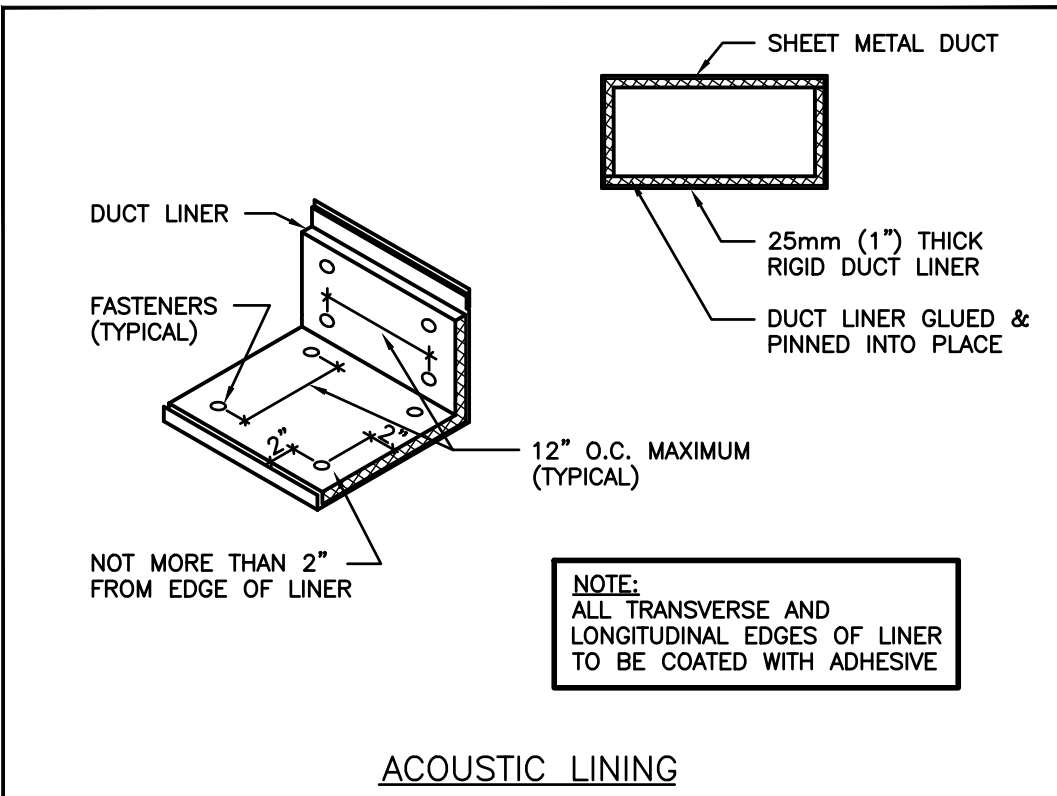
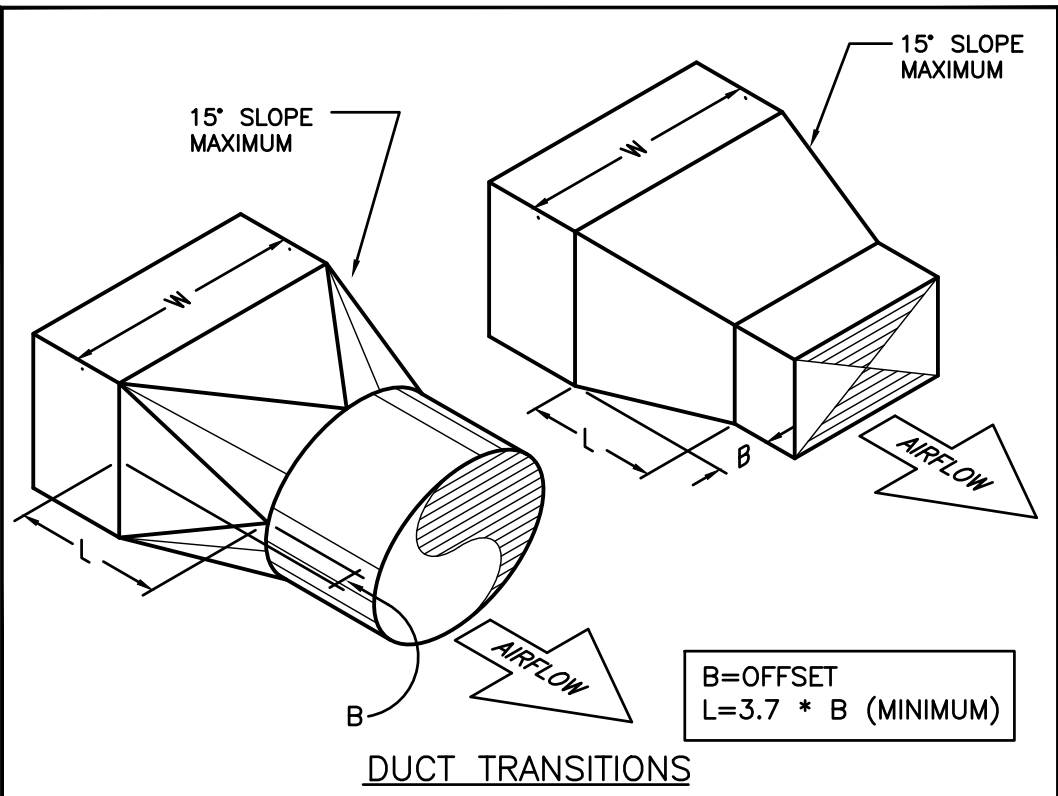
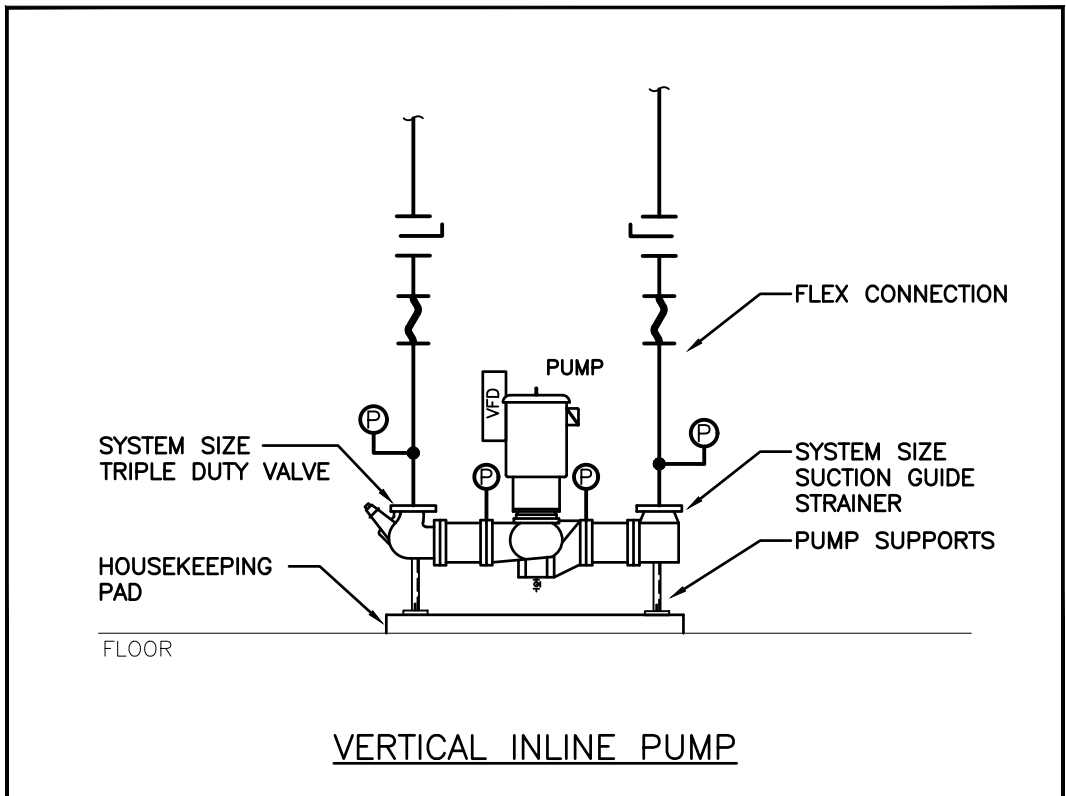


ENLARGED MECH ROOM HVAC PLAN  
SCALE: 1:25

DATE:	2025.07.09	DRAWING NO.:	<b>M401</b>
SCALE:	As Noted		
DRAWN:	SVA		
STATUS:	TENDER		
JOB NO.:	2411		







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.  
© 2025 DEI Consulting Engineers

REVISIONS:			
NO.:	DATE:	ISSUED:	
1.	2024.11.29	ISSUED FOR 60% COORDINATION	
2.	2024.12.20	RE-ISSUED FOR 60% COORDINATION	
3.	2025.02.14	ISSUED FOR CLASS A COST ESTIMATION	
4.	2025.05.20	ISSUED FOR PERMIT	
5.	2025.06.05	ISSUED FOR REVIEW	
6.	2025.06.13	REISSUED FOR PERMIT	
7.	2025.07.09	ISSUED FOR TENDER	



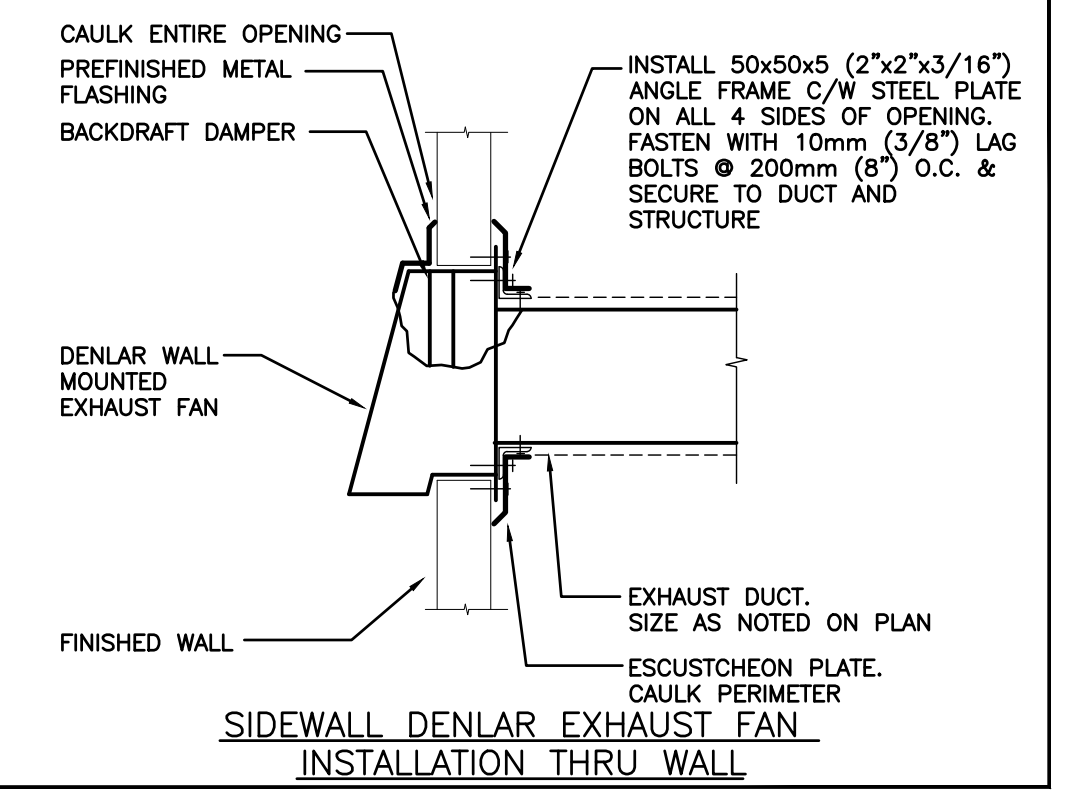
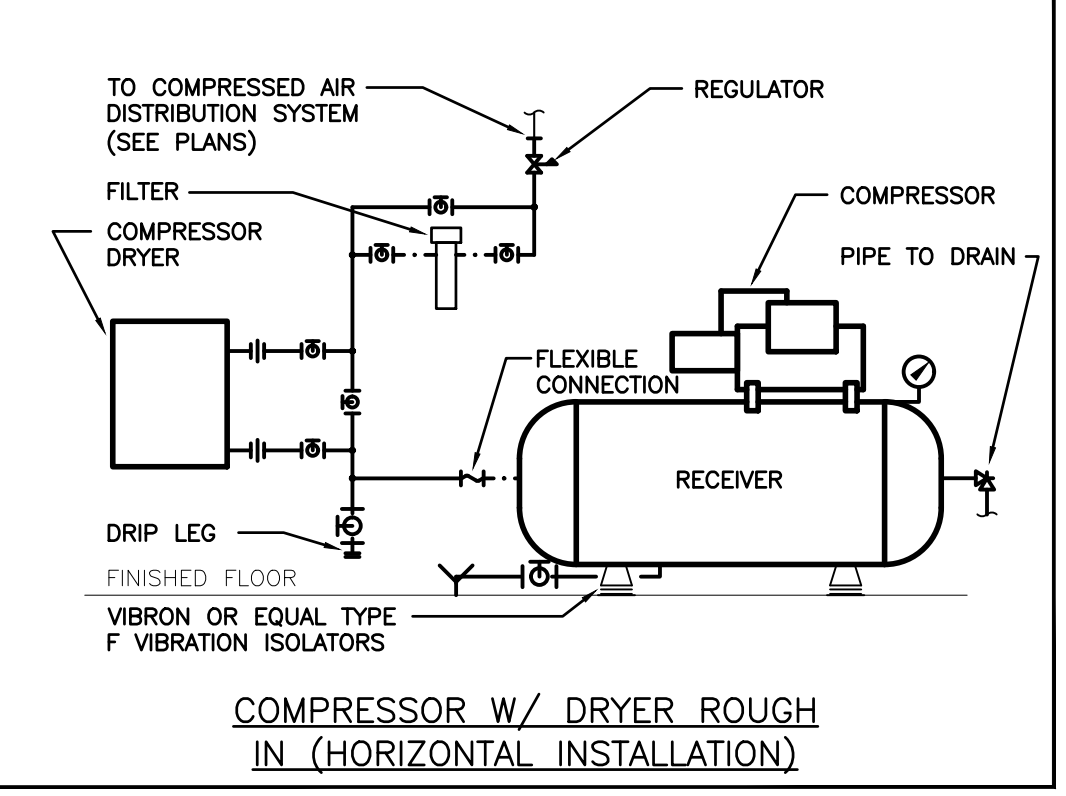
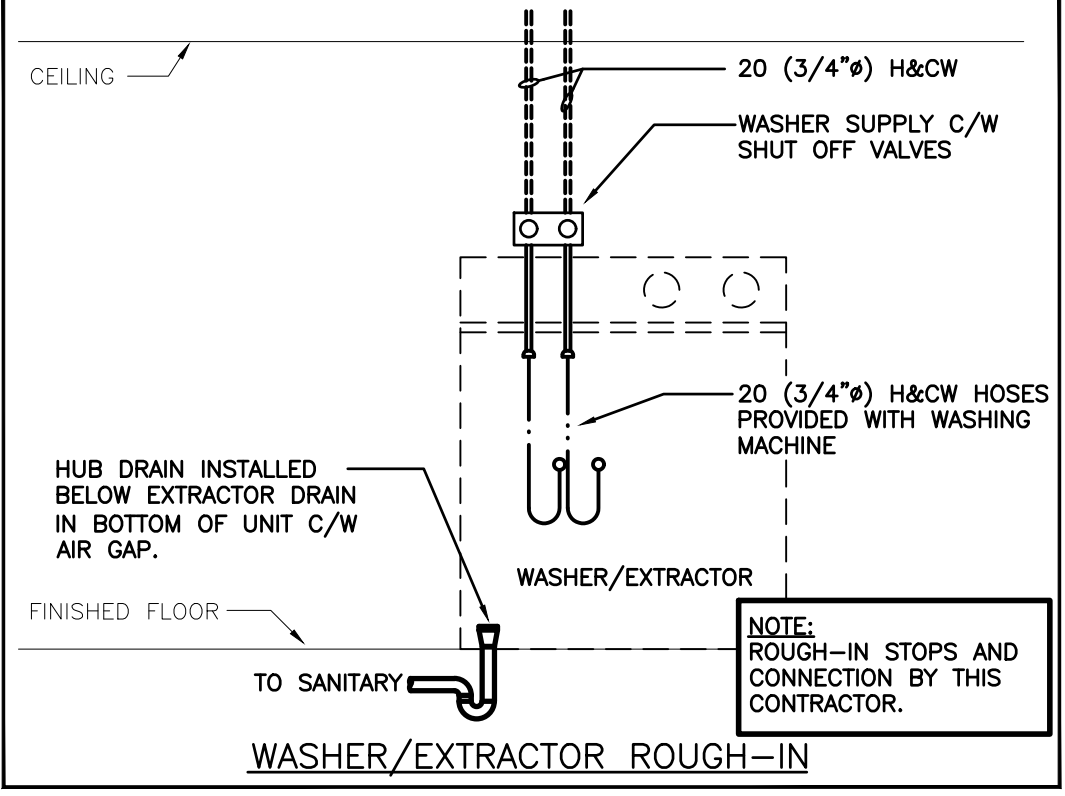
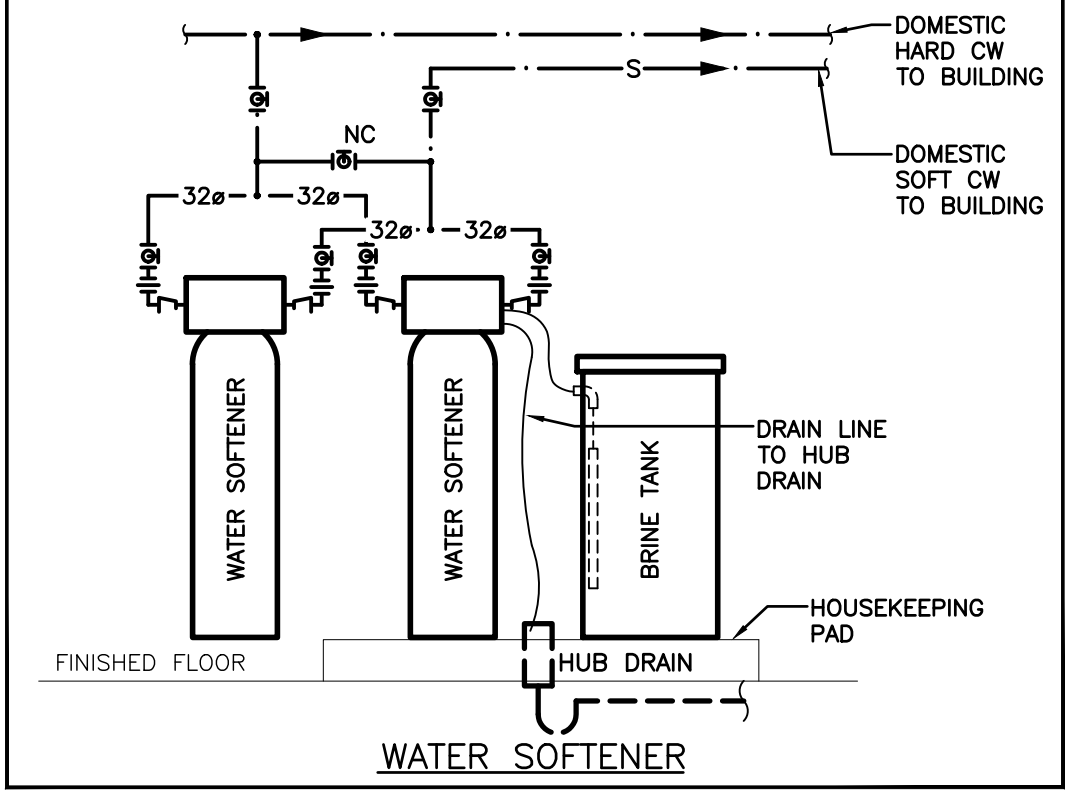
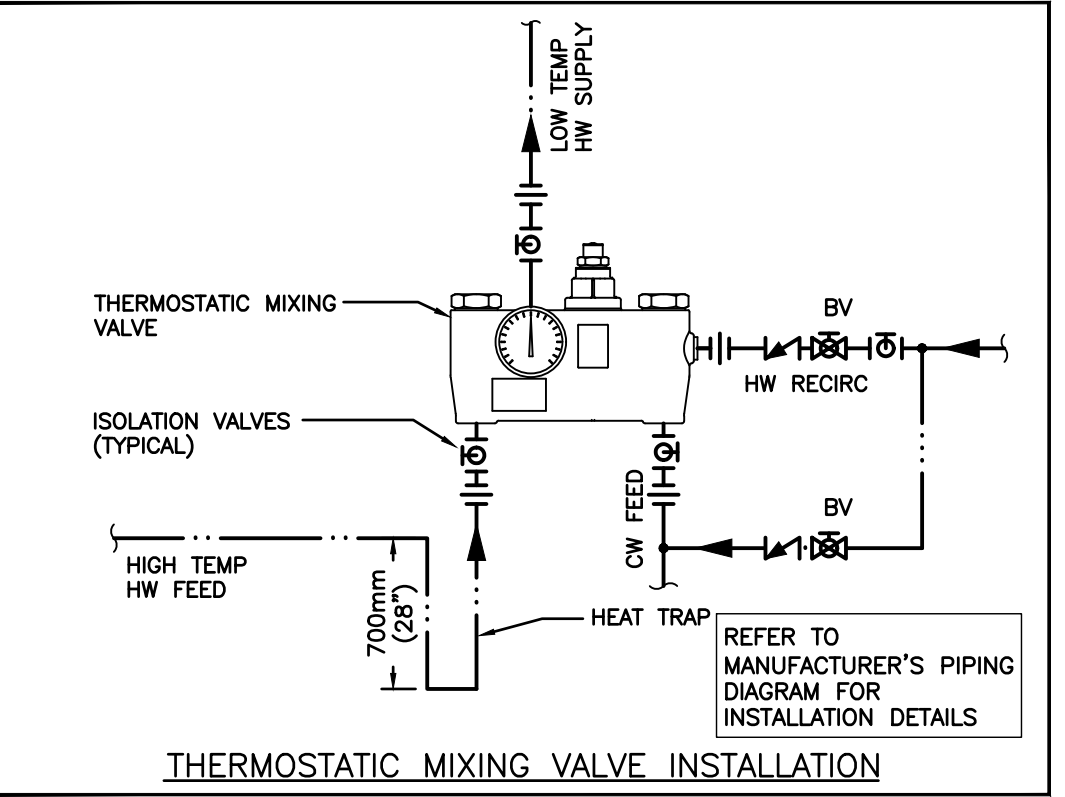
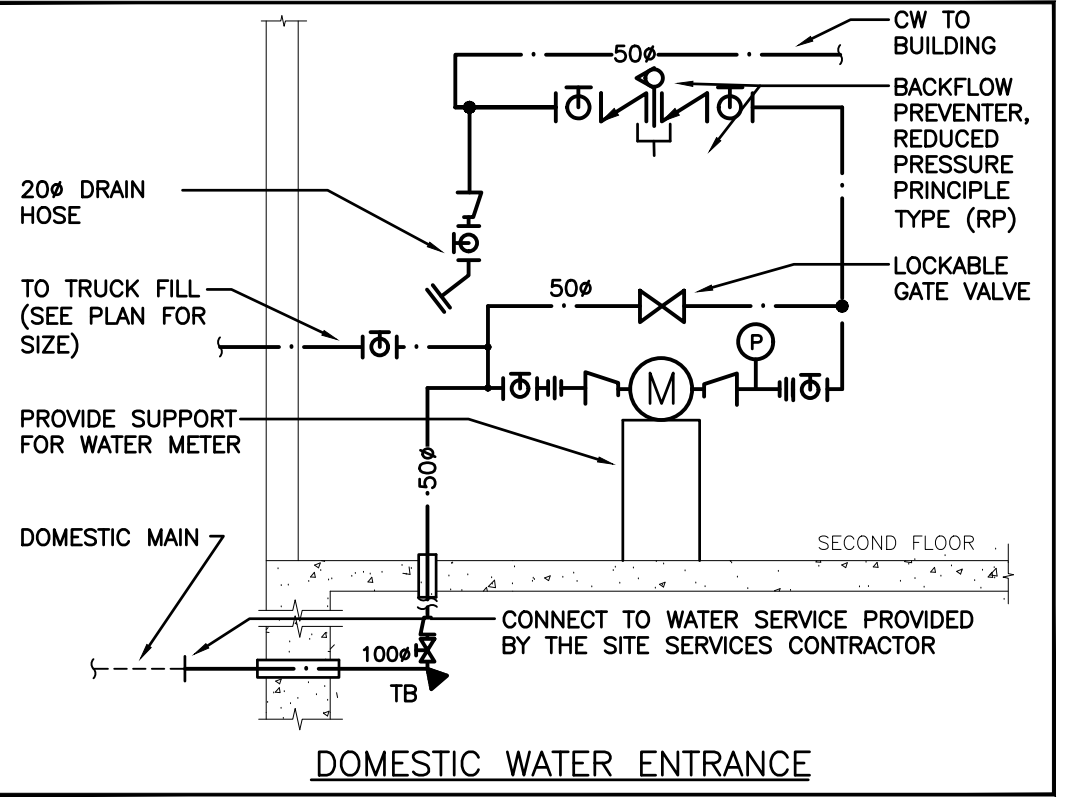
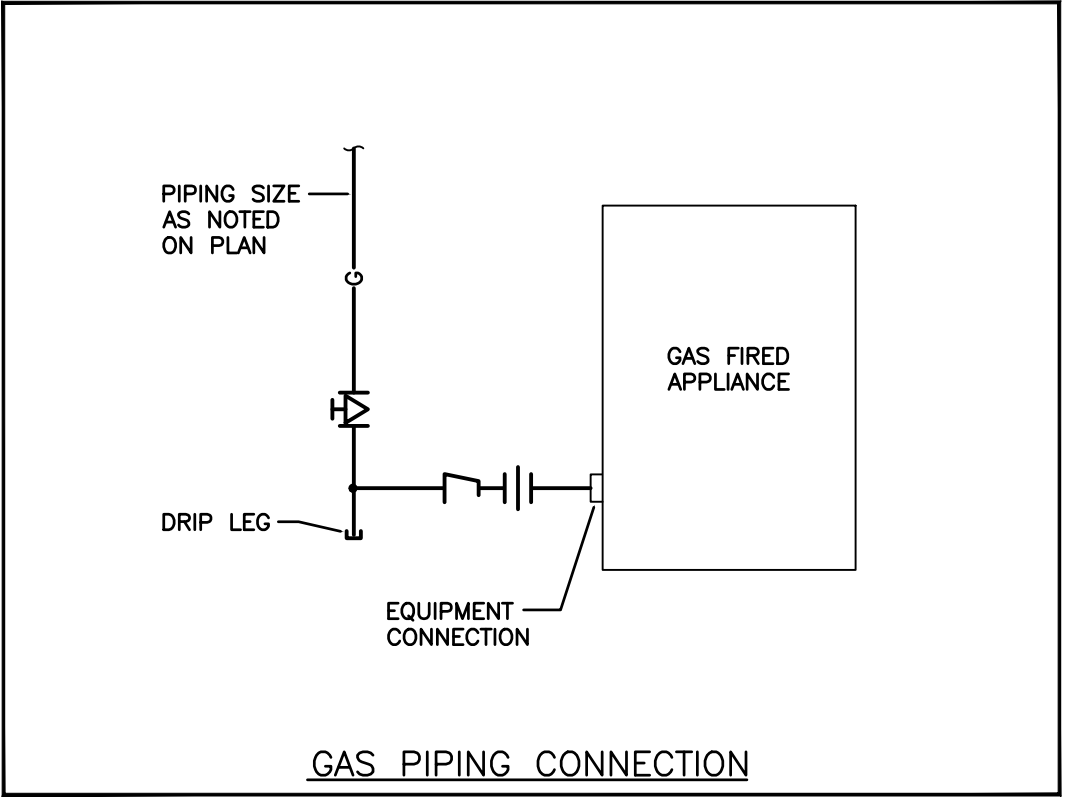
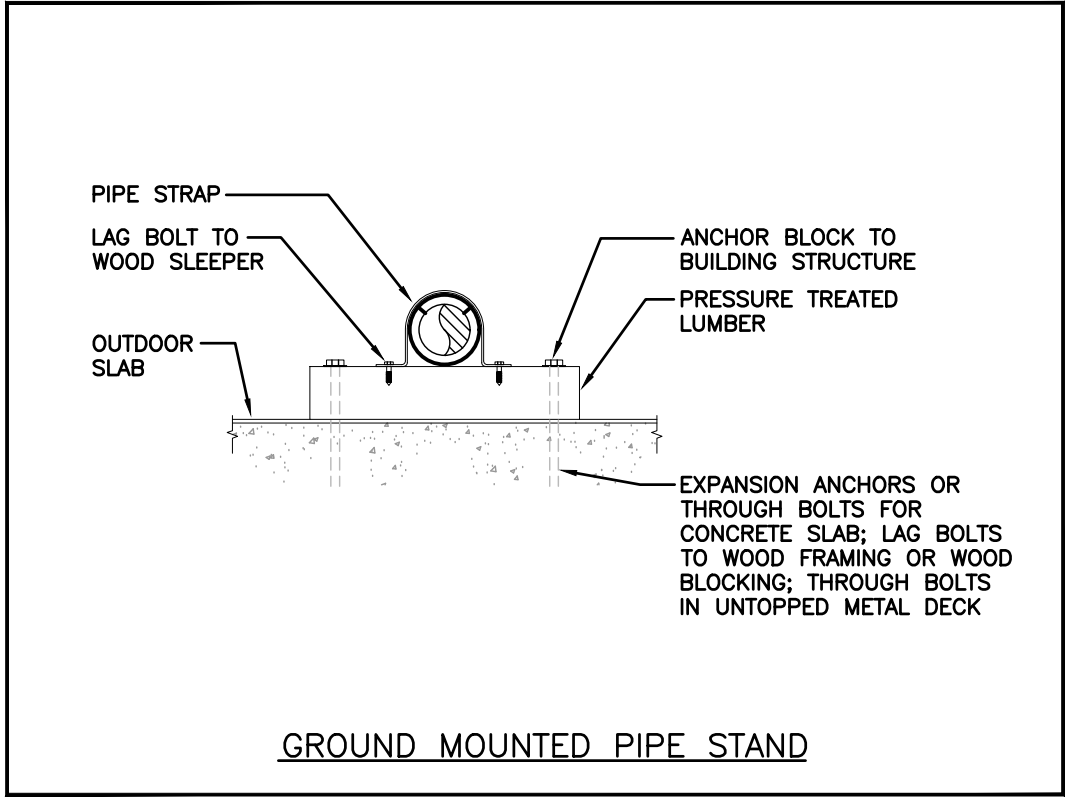
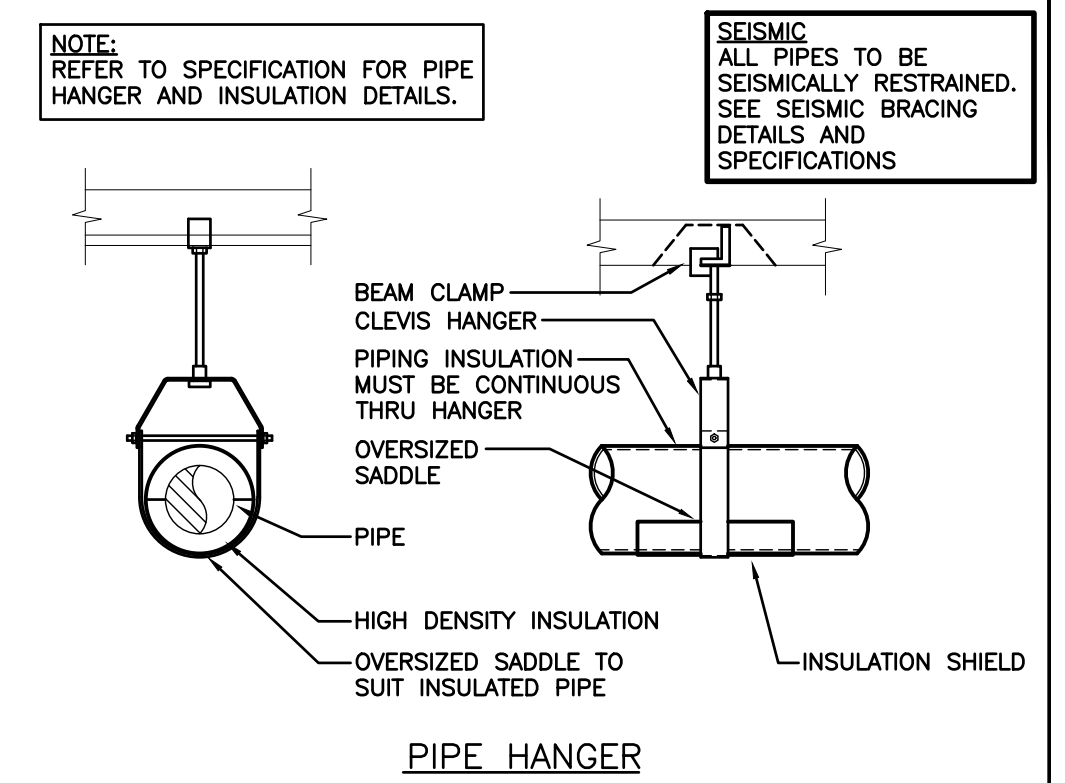
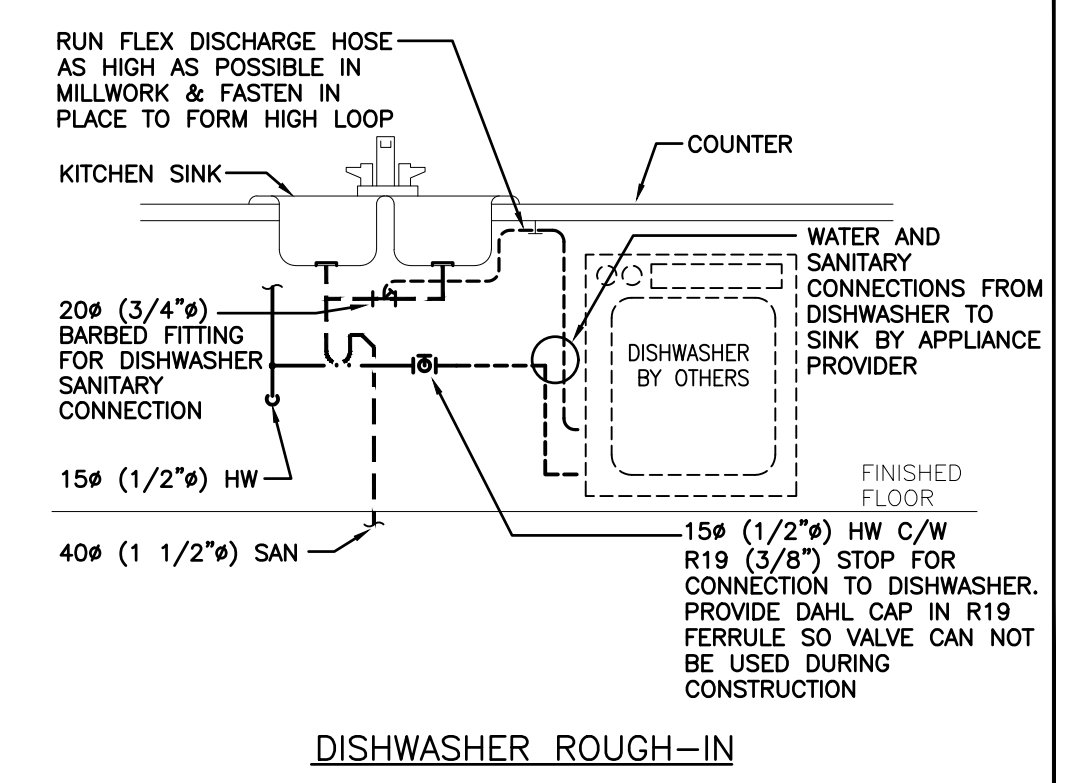
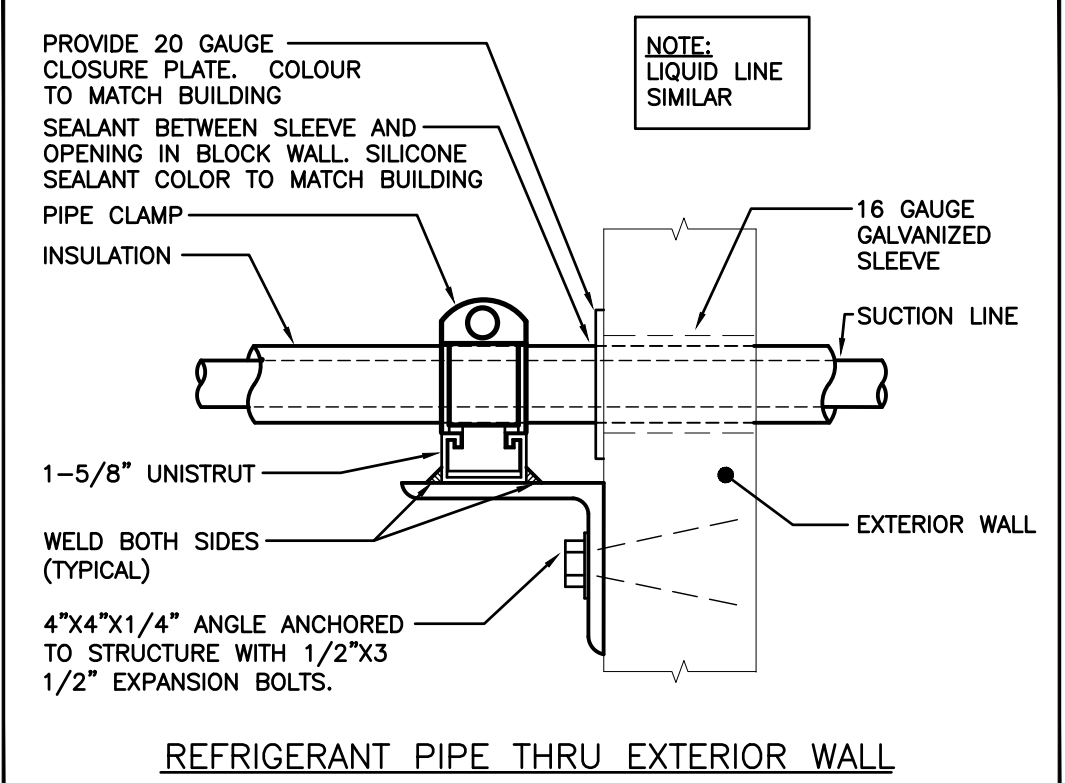
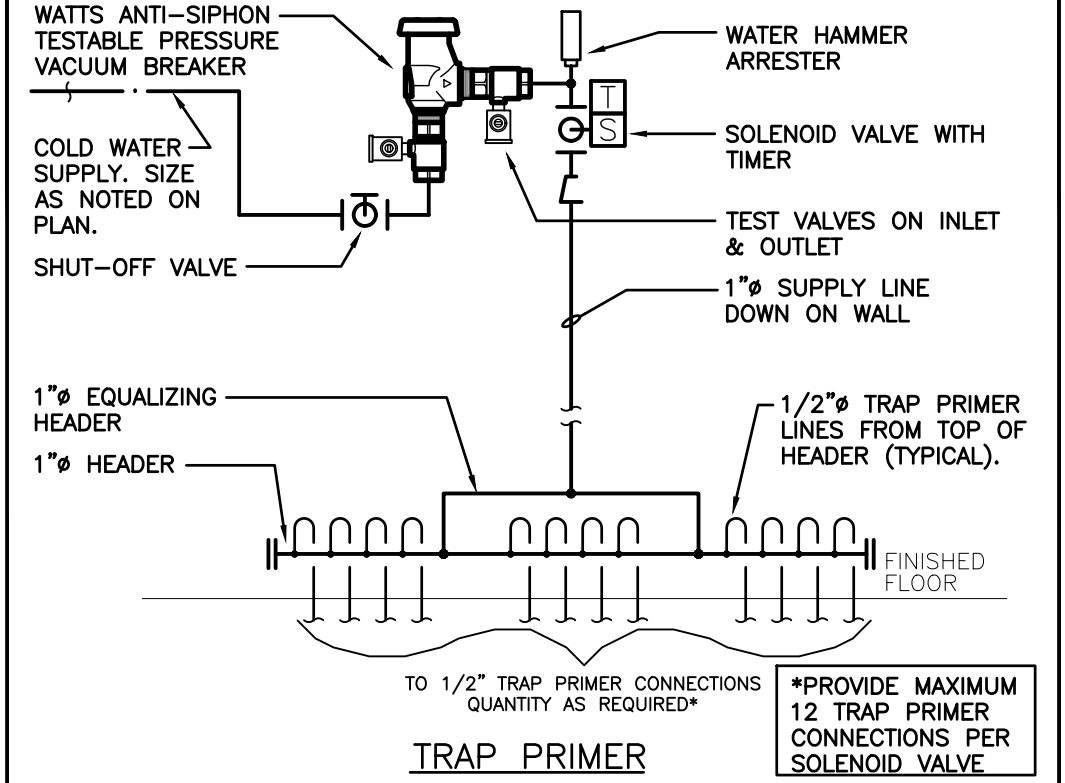
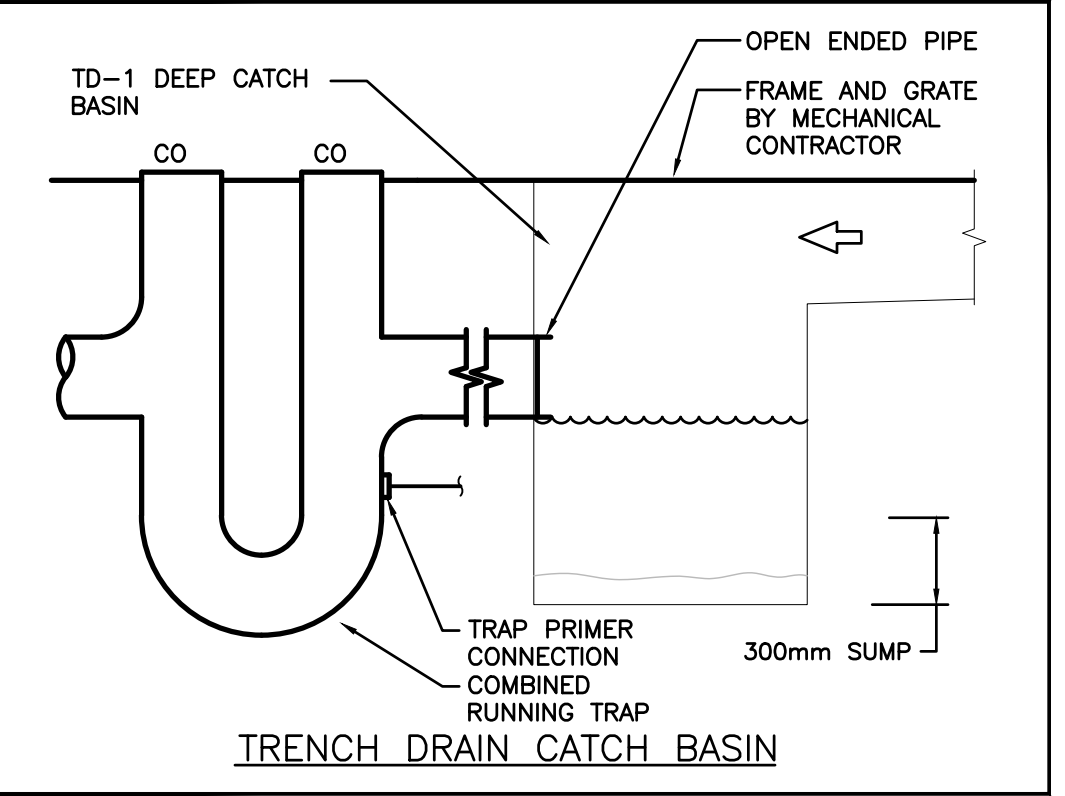
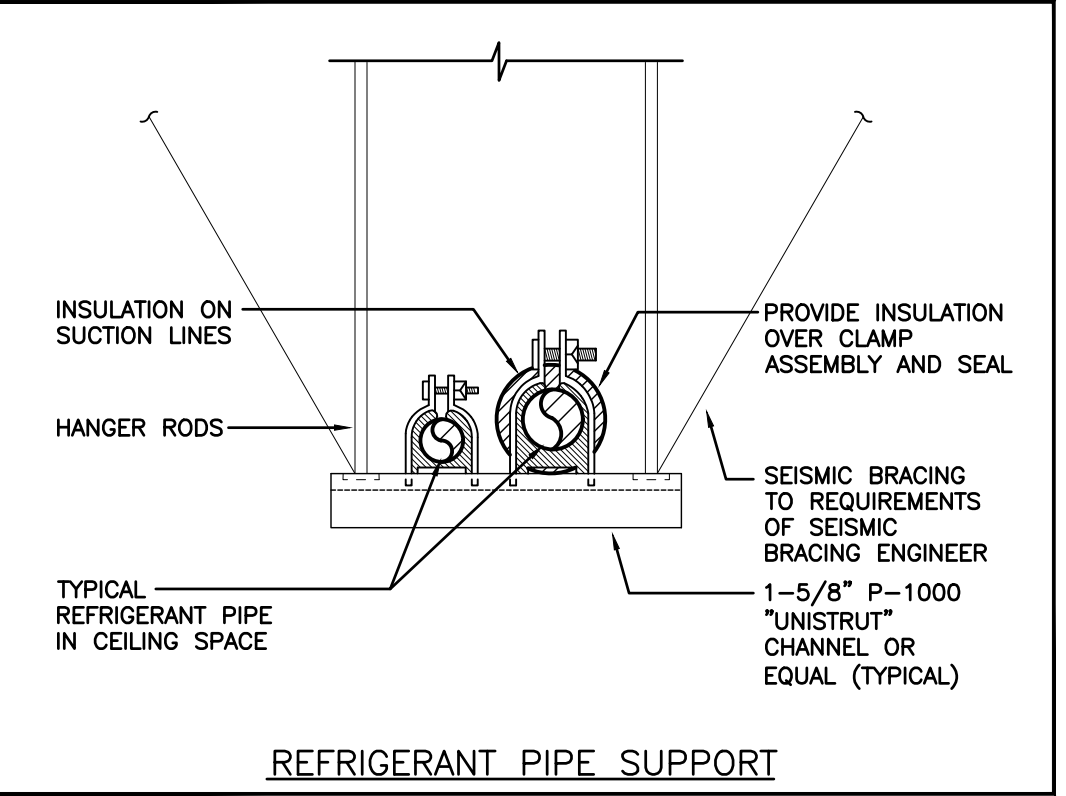
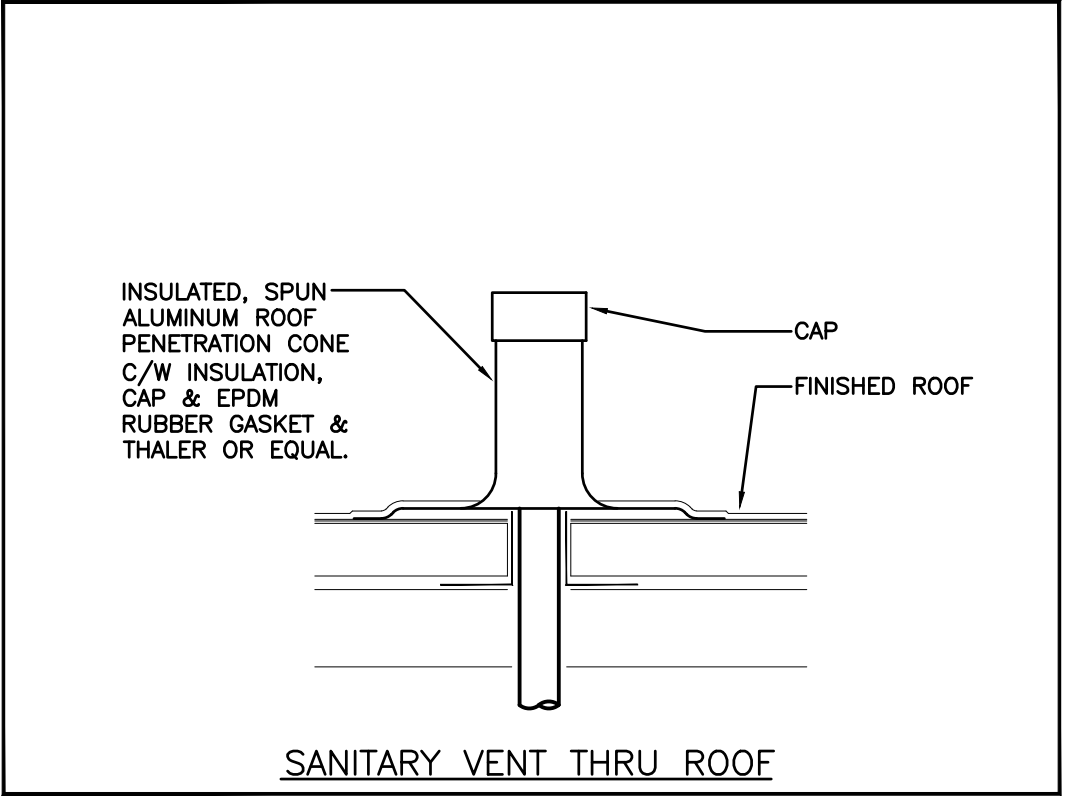
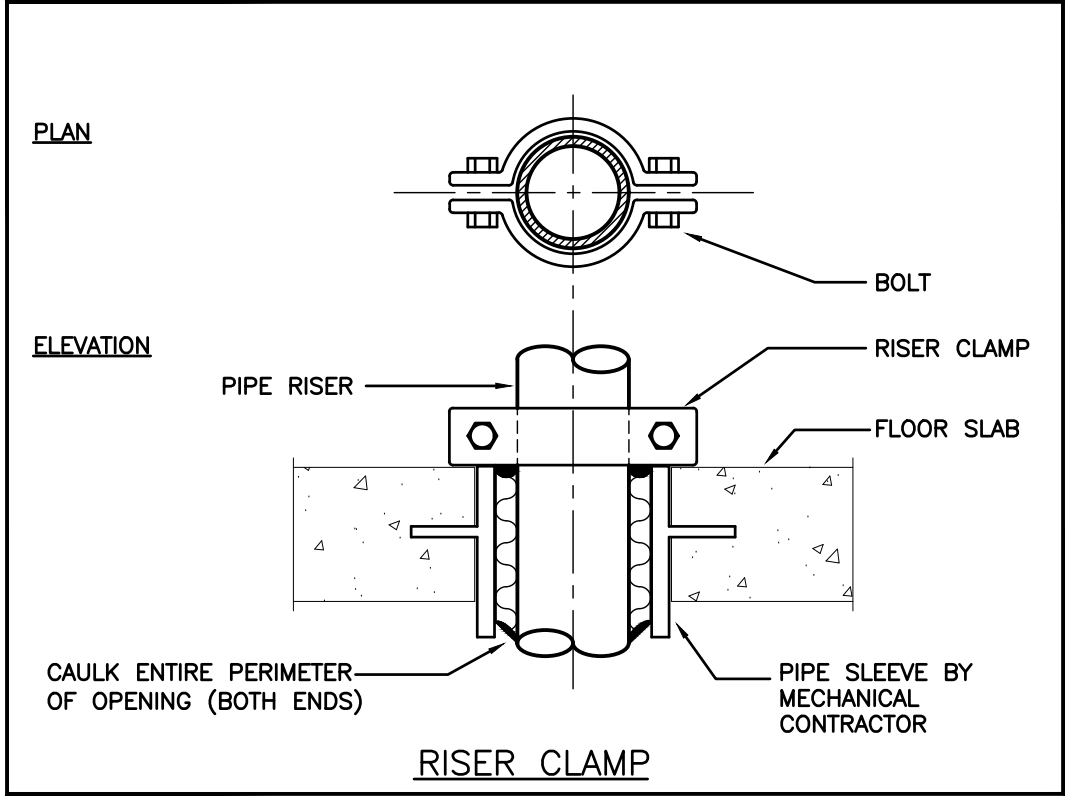
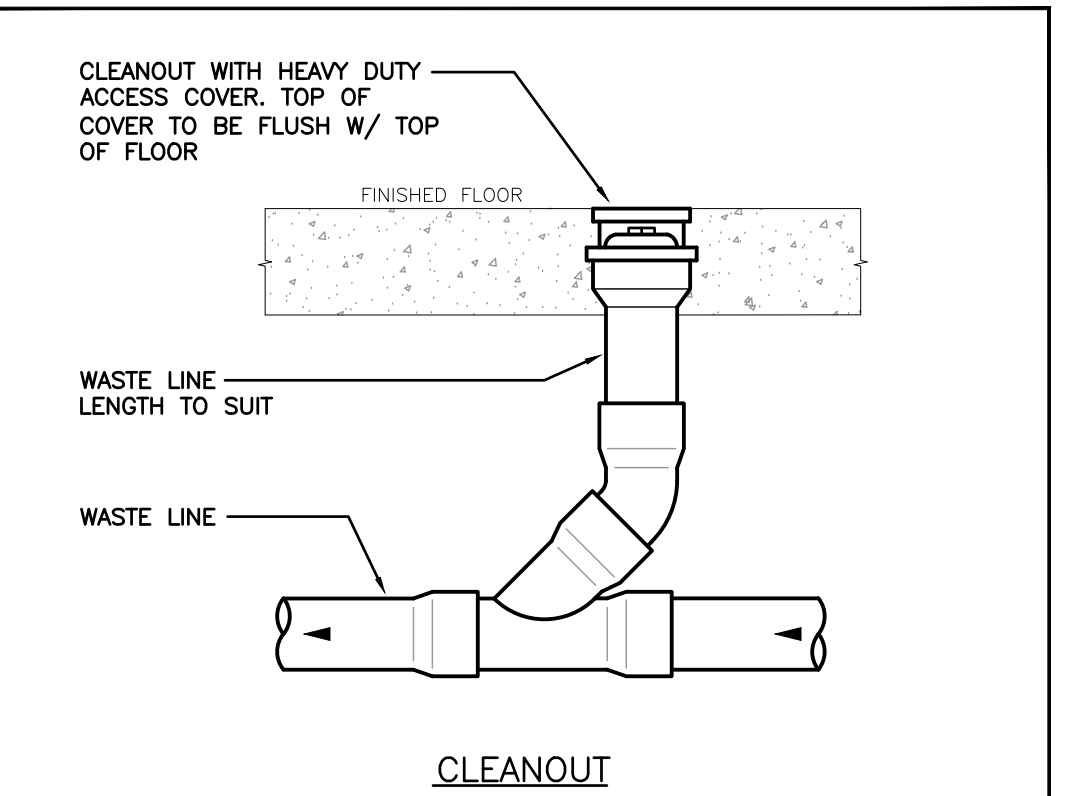
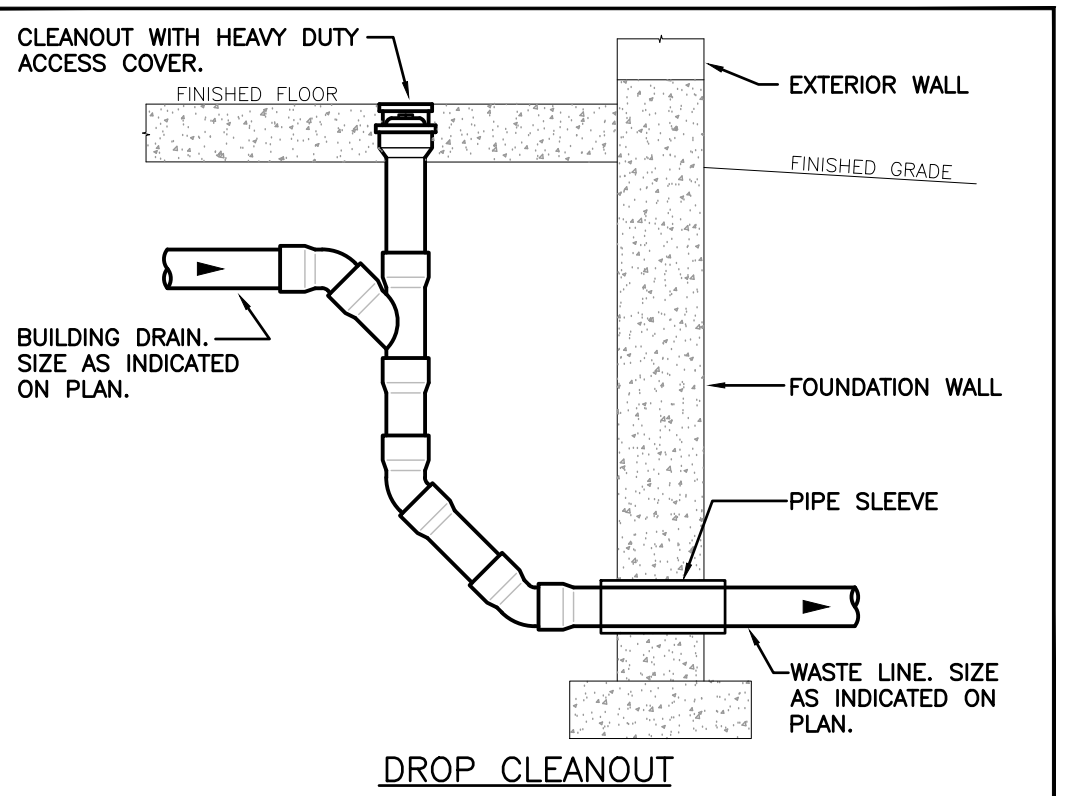
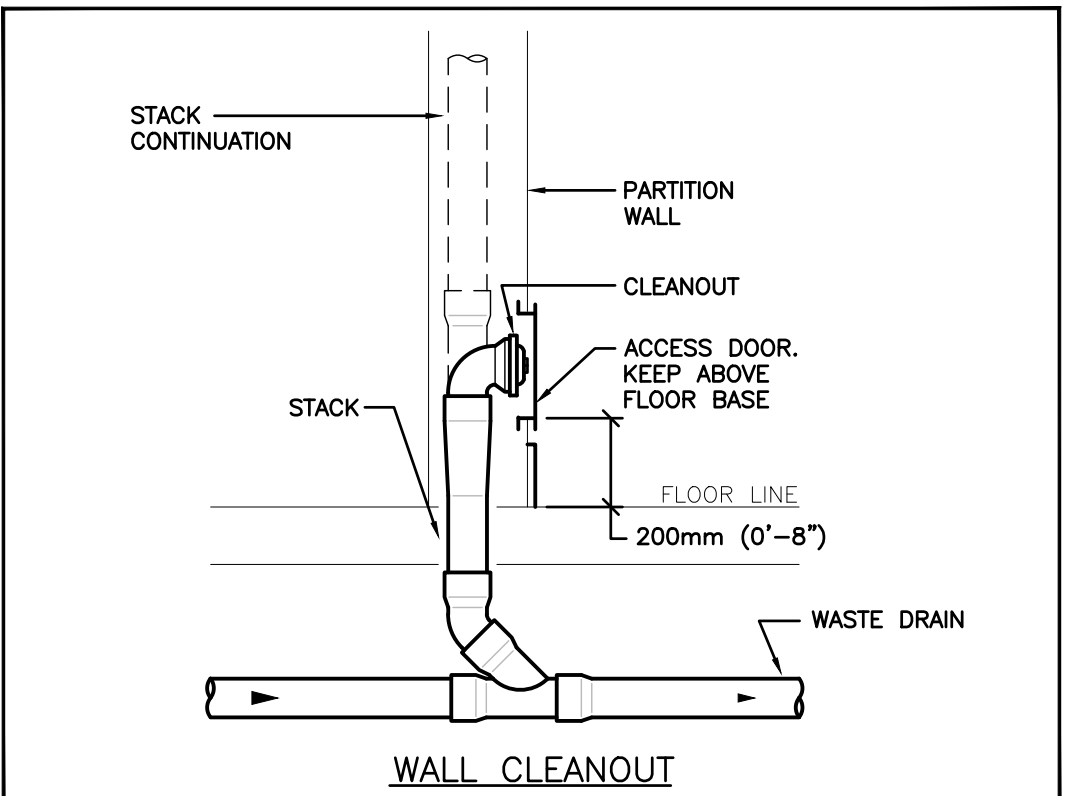
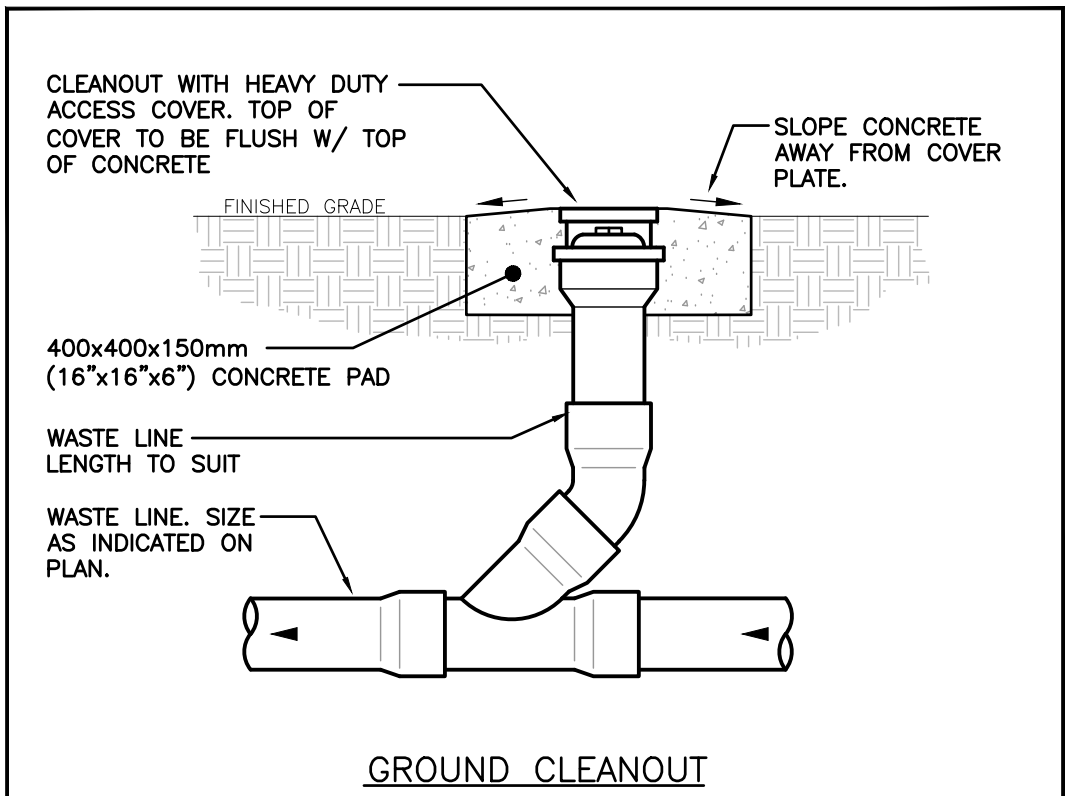
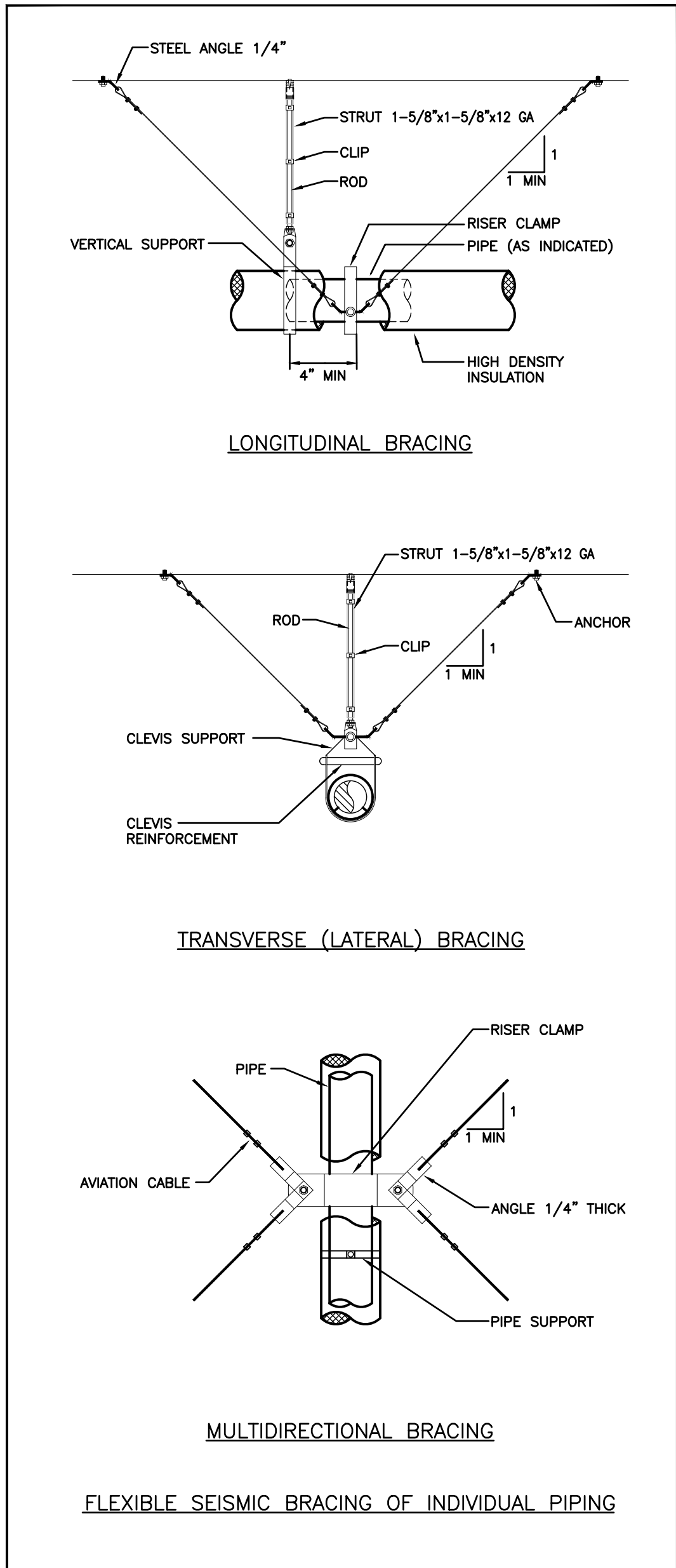
**DEI**  
Consulting Engineers  
MECHANICAL | ELECTRICAL | AQUATIC  
PROJECT:

NORTH PARIS  
FIRE STATION  
21 ANN WILSON WAY  
(SCOTT AVE)

COUNTY OF  
**Brant** Simply Grand

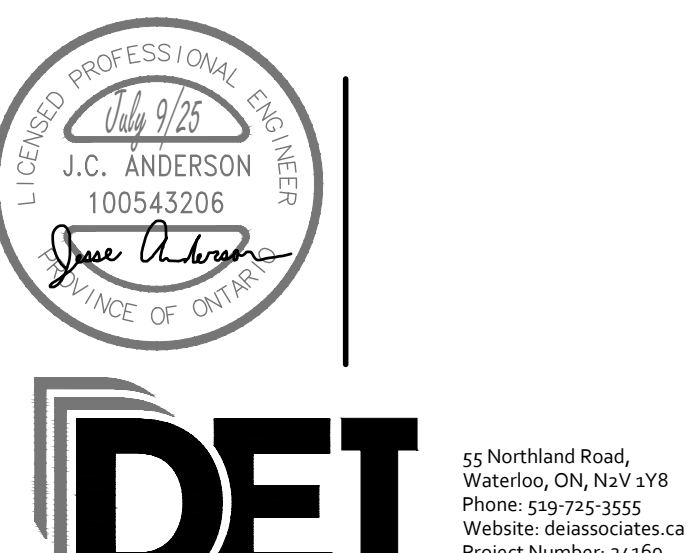
COUNTY PROJECT NO.:  
CPS-RFT-25-03  
DRAWING TITLE:  
DETAILS

DATE: 2025.07.09  
SCALE: As Noted  
DRAWN: SVA  
STATUS: TENDER  
JOB NO.: 2411  
DRAWING NO.:  
M501



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. © 2025 DEI Consulting Engineers

NO.	DATE	ISSUED FOR
1.	2024.11.29	ISSUED FOR 60% COORDINATION
2.	2024.12.20	RE-ISSUED FOR 60% COORDINATION
3.	2025.02.14	ISSUED FOR CLASS A COST ESTIMATION
4.	2025.05.20	ISSUED FOR PERMIT
5.	2025.06.05	ISSUED FOR REVIEW
6.	2025.06.13	REISSUED FOR PERMIT
7.	2025.07.09	ISSUED FOR TENDER



**DEI**  
Consulting Engineers  
MECHANICAL | ELECTRICAL | AQUATIC

PROJECT:  
**NORTH PARIS FIRE STATION**  
21 ANN WILSON WAY  
(SCOTT AVE)



COUNTY PROJECT NO.:  
**CPS-RFT-25-03**

DRAWING TITLE:  
**DETAILS**

DATE: 2025.07.09  
SCALE: As Noted  
DRAWN: SVA  
STATUS: TENDER  
JOB NO.: 2411

DRAWING NO.:  
**M502**