

MECHANICAL LEGEND			
Item	Description	Item	Description
	CUT EXISTING & CONNECT NEW PIPING		PIPE DOWN
	FLOW DIRECTION		PIPE UP
	DOMESTIC COLD WATER PIPING		FLEXIBLE CONNECTION
	DOMESTIC HOT WATER PIPING		REDUCER/INCRASER
	DOMESTIC HOT WATER RECIRC. PIPING		CHECK VALVE
	DOMESTIC TEMPERED WATER PIPING		UNION
	EXISTING SANITARY PIPING ABOVE FLOOR		STRAINER
	EXISTING SANITARY PIPING BELOW FLOOR		PRESSURE & TEMPERATURE TEST STATION
	SANITARY PIPING ABOVE FLOOR		DRAIN (SCHEMATICS)
	SANITARY PIPING BELOW FLOOR		SCREWED OR WELDED PIPE CAP
	EXISTING STORM PIPING ABOVE FLOOR		PLUG VALVE
	EXISTING STORM PIPING BELOW FLOOR		BALL VALVE
	STORM PIPING ABOVE FLOOR		AIR VENT
	STORM PIPING BELOW FLOOR		BALANCING VALVE
	CONDENSATE PIPING		TEMPERATURE CONTROL VALVE
	VENT PIPING		REDUCED PRESSURE BACKFLOW PREVENTOR
	HEATING WATER SUPPLY PIPING		FLOOR CLEANOUT
	HEATING WATER RETURN PIPING		LINE CLEANOUT
	REFRIGERANT LIQUID PIPING		THERMOSTAT (WITH OR WITHOUT GUARD)
	REFRIGERANT SUCTION PIPING		CARBON DIOXIDE (CO2) SENSOR (WITH OR WITHOUT GUARD)
	FLOOR DRAIN		TEE CONNECTION
	TRAP PRIMER		WALL MOUNTED FIRE EXTINGUISHER
			CONCEALED SENSOR
			SUPPLY AIR DUCT
			RETURN/EXHAUST AIR DUCT
			ACOUSTIC DUCT LINING
			BRANCH LINE SPIN-IN COLLAR C/W BALANCING DAMPER
			BALANCING DAMPER
			OPPOSED BLADE DAMPER
			MOTORIZED DAMPER (OPPOSED BLADE)
			FIRE DAMPER
			COMBINATION FIRE/SMOKE DAMPER
			SMOKE DAMPER
			FLEXIBLE ROUND DUCT
			RIGID ROUND DUCT
			DIFFUSER/GRILLE SIZE (mp), TYPE & CAPACITY (cfm)
			HYDRONIC HEATING SIZE, TYPE & CAPACITY
			ACCESS DOOR
			EXPANSION COMPENSATOR/JOINT
			RETURN IN CABINET
			ABOVE FINISHED FLOOR
			EXISTING DUCT (SIZE AS INDICATED)
			CONCEALED SENSOR

UNIT VENTILATOR SCHEDULE																						
Item	Type	Service	Capacity		Max. O.A. (cfm)	SP in wc	Size hp	Heating					Cooling		Electrical			Manufacturer	Model	Remarks		
			tons	cfm				Medium	Coil Rows	EWT °F	LWT °F	Capacity MBH	GPM	Medium	Total Cap. MBH	Sens. Cap. MBH	Voltage				MCA	MOCP
UV-6	FLOOR MOUNTED UNIT VENTILATOR	LITERACY ROOM	2.5	1000	500	0.1	1/3	WATER	2	150	130	45.7	4.6	DX	33.2	24.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	3-SPEED ECM MOTOR, FACE & BYPASS HEATING COIL, 3-WAY VALVE AT HEATING COIL, 250MM INSULATED REAR PIPE CHASE, DIGITAL READY CONTROLS PACKAGE, REAR OA INTAKE DUCT COLLAR, TWO (2) FULL-DEPTH END PANELS (CUT-OUTS TO BE COMPLETED ON SITE TO SUIT DRAFTSTOP DOWNDRAFT PROTECTION FEATURE & PIPING TUNNEL) C/W MOUNTING HARDWARE & KICK-PLATE (CONFORM CUT-OUTS WITH MANUFACTURER), BOTTOM FRONT RA INLET GRILLE & DRAFTSTOP DOWNDRAFT PROTECTION RA INLET, UNIT MOUNTED DISCONNECT (INSIDE ENCLOSURE), HEATING COIL FREEZESTAT (FACTORY INSTALLED & WIRED), ADJUSTABLE LEG LEVELLERS, PUTTY BEIGE CABINET COLOUR, TAMPER-RESISTANT FASTENERS ON ALL ACCESS DOORS, REPLACEMENT FILTERS C/W ONE EXTRA SET, SECONDARY OVERFLOW DRAIN CONNECTION FOR CONDENSATE PAN, 50MM BASE TO RAISE UNIT, SET FAN TO MEDIUM SPEED, PROVIDE A DECORATIVE EXTERIOR ALUMINUM WALL GRILLE CONSTRUCTION OF HEAVY GAUGE ALUMINUM W/ RECTANGULAR HOLES TO MATCH LOUVER BLADES SPACING TO MAXIMIZE THE AIR OPENING
UV-7	FLOOR MOUNTED UNIT VENTILATOR	LITERACY ROOM	2.5	1000	500	0.1	1/3	WATER	2	150	130	45.7	4.6	DX	33.2	24.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	

* ACCEPTABLE MANUFACTURERS: DAIKIN, TRANE, ENGINEERED AIR

NOTE: CONTRACTOR RESPONSIBLE TO PROVIDE TEMPORARY HEAT IN ROOMS (TO SATISFACTION OF OWNER & CONSULTANT) IF UNIT VENTILATORS ARE NOT INSTALLED IN TIME FOR HEATING SEASON.

SHOP DRAWING SUBMISSION/UNIT DELIVERY REQUIREMENTS

- SHOP DRAWINGS SHALL BE SUBMITTED TO THE CONSULTANT WITHIN TWO (2) WEEKS OF AWARD OF CONTRACT.
- SHOP DRAWINGS SHALL BE REVIEWED/RETURNED BY THE CONSULTANT WITHIN ONE (1) WEEK OF SUBMISSION.
- CONTRACTOR TO ORDER EQUIPMENT FROM MANUFACTURER IMMEDIATELY UPON RETURNED/APPROVED SHOP DRAWINGS.
- THIS CONTRACTOR SHALL CO-ORDINATE WITH THE MANUFACTURER TO ENSURE UNIT VENTILATOR EQUIPMENT IS DELIVERED TO SITE AND INSTALLED BY DECEMBER, 2023. INCLUDE IN TENDER PRICE FOR PREMIUM COSTS ASSOCIATED WITH MANUFACTURER'S RUSH/ACCELERATED DELIVERY.

GENERAL NOTES

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

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

AIR COOLED CONDENSING UNIT SCHEDULE																	
Item	Type	Service	Tons	Compressor			Refrig.	Sat. Suction Temp °F	No. of Cond. Fans	Electrical			Unit Weight lbs	Manufacturer	Model	Remarks	
				Capacity MBH	Type	No. Stages				Voltage	MCA	MOCP					
CU-1	OUTDOOR ROOF MOUNTED	LITERACY ROOM	3.0	36.0	SCROLL	1	1	R410A	52	1	208/1/60	18.8	35	200±	DAIKIN	DX16SA0371	PROVIDE CONTINUOUS SUPPORT AS PER DETAIL. CONNECT TO UV-6.
CU-2	OUTDOOR ROOF MOUNTED	LITERACY ROOM	3.0	36.0	SCROLL	1	1	R410A	52	1	208/1/60	18.8	35	200±	DAIKIN	DX16SA0371	PROVIDE CONTINUOUS SUPPORT AS PER DETAIL. CONNECT TO UV-7.
CU-3	OUTDOOR ROOF MOUNTED	MEETING ROOM	2.0	24.0	SCROLL	1	1	R410A	52	1	208/1/60	19.6	30	160±	LG	ARUN024GSS4	PROVIDE CONTINUOUS SUPPORT AS PER DETAIL.
CU-4	OUTDOOR ROOF MOUNTED	QUIET ROOM	2.0	24.0	SCROLL	1	1	R410A	52	1	208/1/60	19.6	30	160±	LG	ARUN024GSS4	PROVIDE CONTINUOUS SUPPORT AS PER DETAIL.

* ACCEPTABLE MANUFACTURERS: DAIKIN, TRANE, ENGINEERED AIR

LOUVERED PENTHOUSE SCHEDULE						
No.	Type	CFM	SP	Throat in.	Dimensions (LxWxH) in.	# of Louvers
PH-1	EXHAUST	1600	0.03	18x32	25x40x19	3

HEATING COMPONENT SCHEDULE									
Item	Type	Size	Capacity MBH	EWT °F	LWT °F	EAT °F	Manufacturer & Model	Remarks	
H-1	RELOCATED AND MODIFY RADIATION	AS NOTED	AS NOTED	150	130	70	ENG AIR WF-1A	2 ROW, 24" HIGH CABINET BOTTOM MOUNTED AT 6"-8" AFF. PROVIDED NEW BRACKETS AND COVER	
H-2	RADIATION (MOUNTED HIGH)	AS NOTED	AS NOTED	150	130	70	ENG AIR WF-1B	1 ROW, 18" HIGH CABINET, SLOPED TOP & BOTTOM FOR MOUNTING HIGH ON WALL	
H-3	RADIATION (ELEMENT ONLY)	AS NOTED	AS NOTED	150	130	70	ENG AIR WF	ELEMENT WITHOUT ENCLOSURE, 2 ROWS, ACCESSORIES TO SUIT INSTALLATION	

GENERAL HEATING COMPONENT NOTES:

- ACCEPTABLE MANUFACTURERS: ENGINEERED AIR, SIGMA, RITTLING, SLANT-FIN, ROSEMEX, DUNHAM-BUSH
- CABINET FINISHES ARE TO BE FACTORY FINISH PAINTED SELECTED FROM STANDARD MANUFACTURER'S COLOURS UNLESS OTHERWISE NOTED.

SPLIT AIR CONDITIONING UNIT SCHEDULE											
Item	Service	Capacity (Tons)	Refrig.	Unit Weight lbs	Max. O.A. (cfm)	MCA	MOCP	Voltage	Manufacturer & Model	Remarks	
DS-1	MEETING ROOM	1	R410A	55±	50	1	15	208/1/60	LG ARNU123TN44	INTERLOCK TO CU-3. PROVIDE POWER FROM CU-3, C/W PT-UMCI GRILLE, PTDCQ COVER, & PTVK410+420 VENTILATION KIT	
DS-2	QUIET ROOM	1	R410A	55±	50	1	15	208/1/60	LG ARNU123TN44	INTERLOCK TO CU-4. PROVIDE POWER FROM CU-4, C/W PT-UMCI GRILLE, PTDCQ COVER, & PTVK410+420 VENTILATION KIT	

Revision Schedule		
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ISSUED FOR PERMIT AND TENDER	2023.03.07	1



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.

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Project Name: **CRESTVIEW P.S. RENOVATION**

Project Location: **153 MONTCALM DRIVE KITCHENER, ON N2B 2R6**

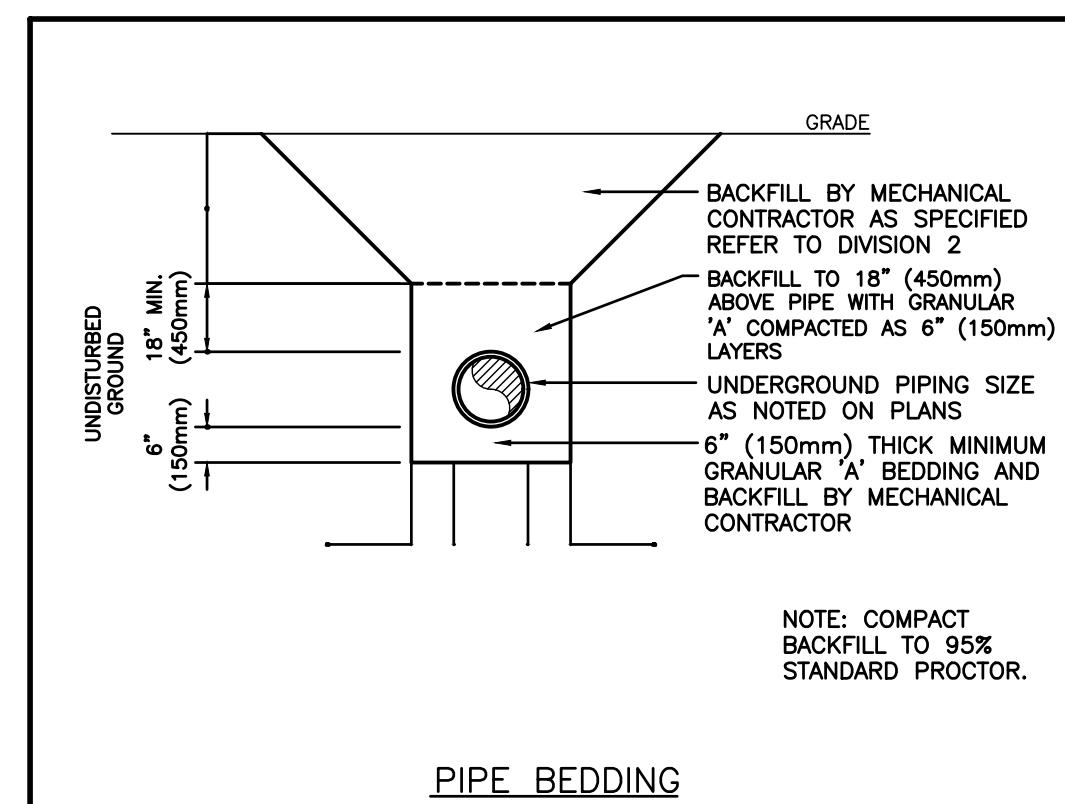
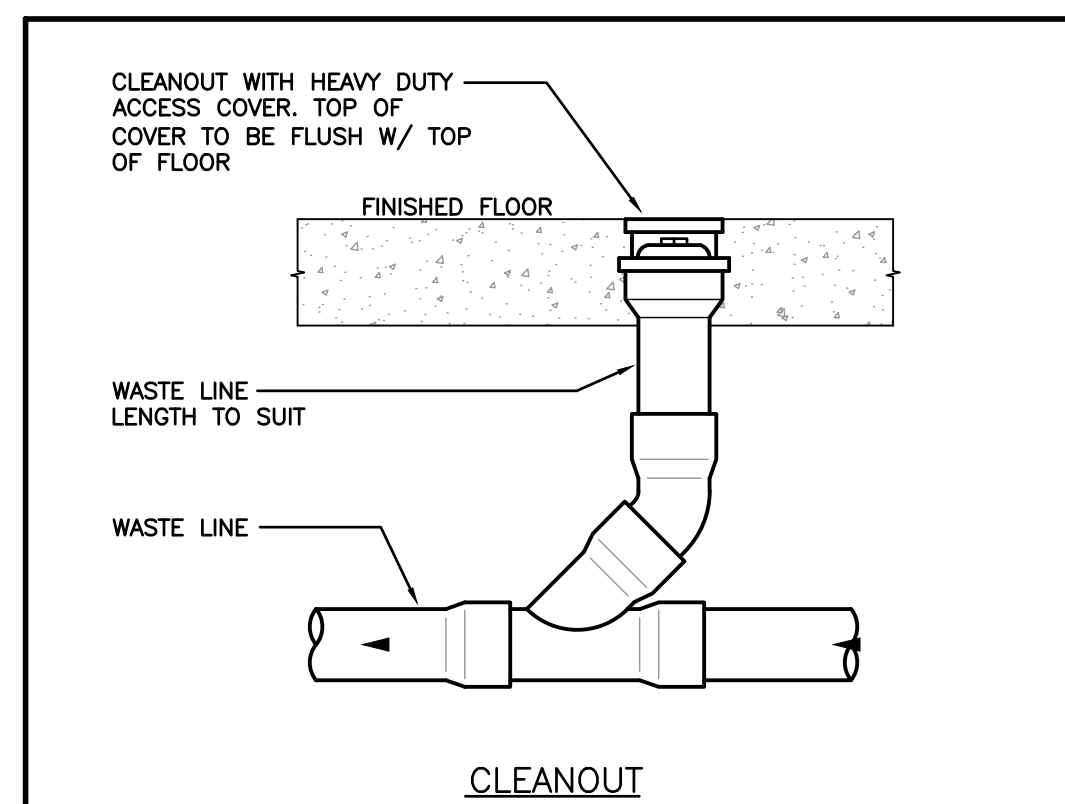
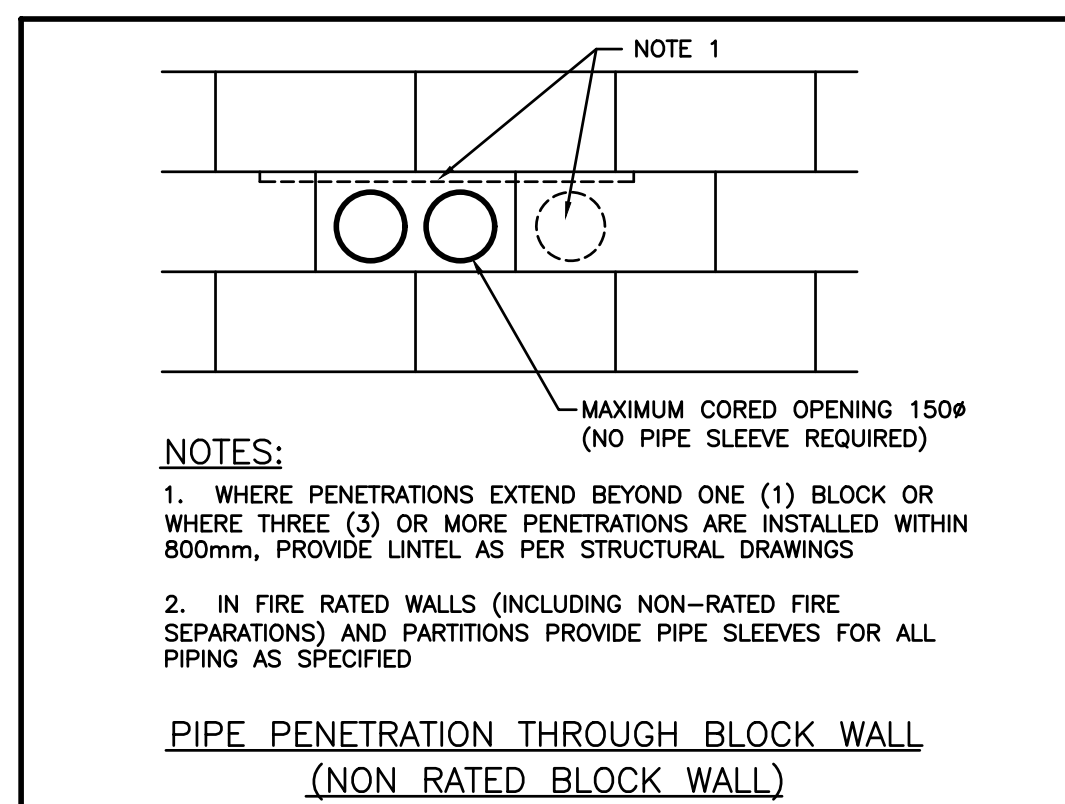
Project Number: **20298**

Client: **CRESTVIEW PUBLIC SCHOOL**



PLUMBING FIXTURE SCHEDULE

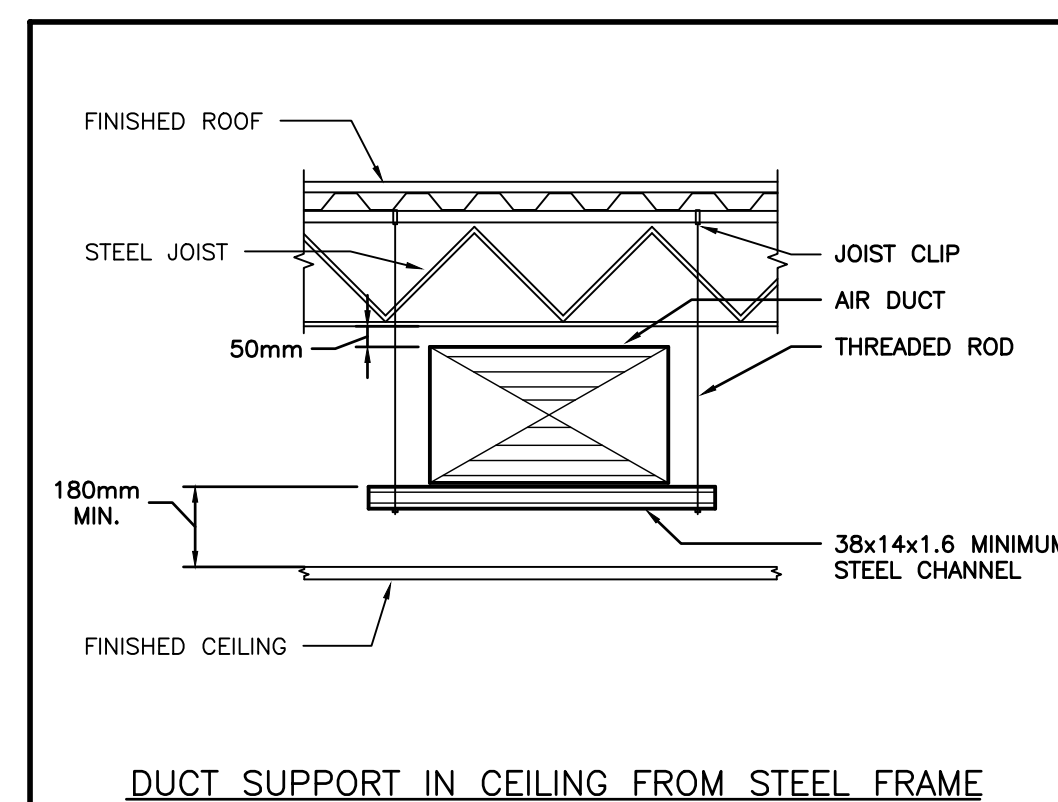
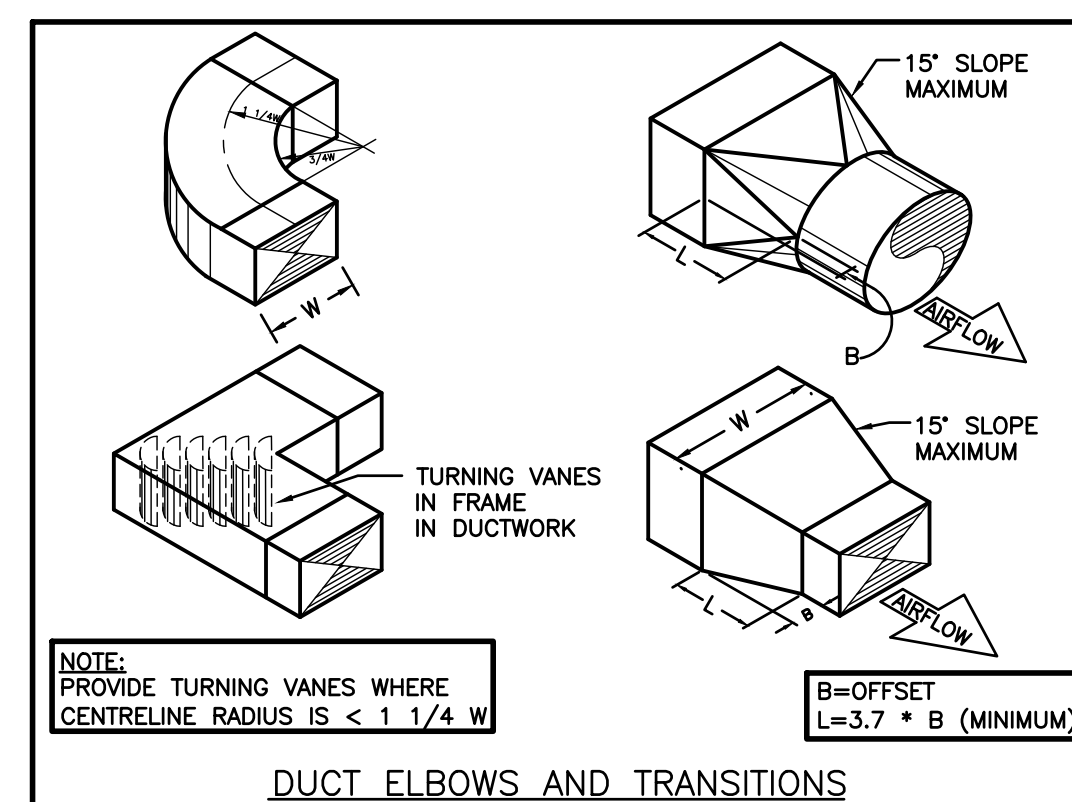
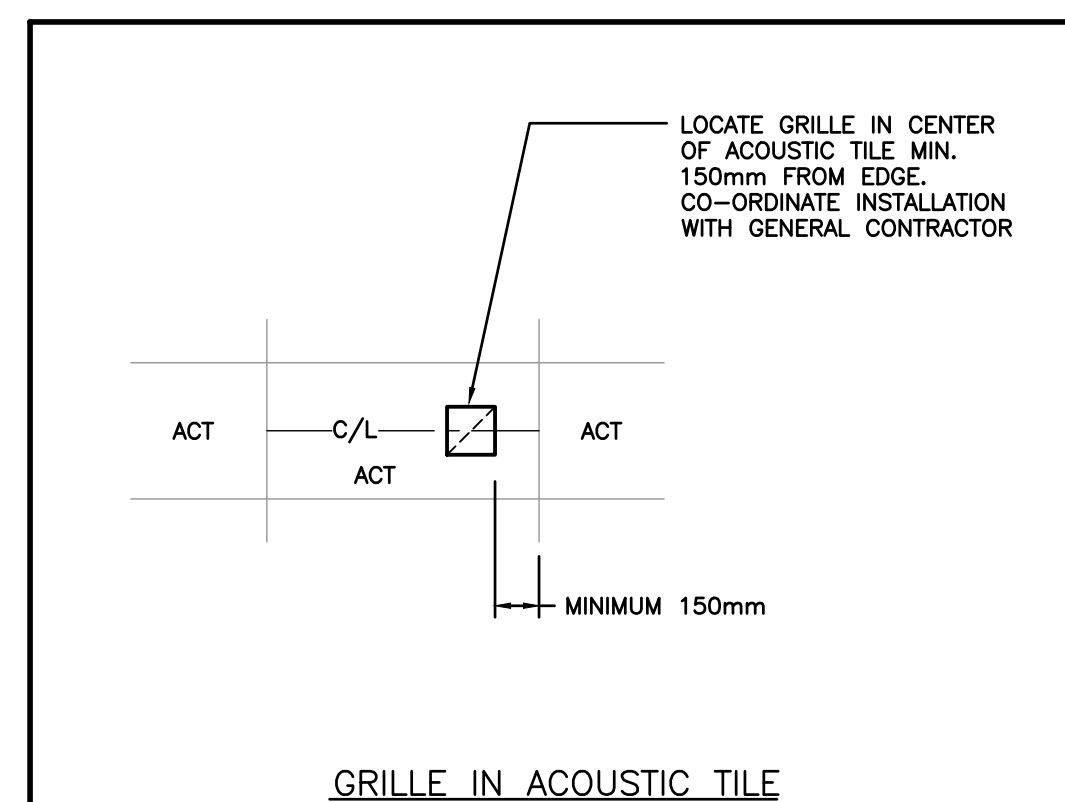
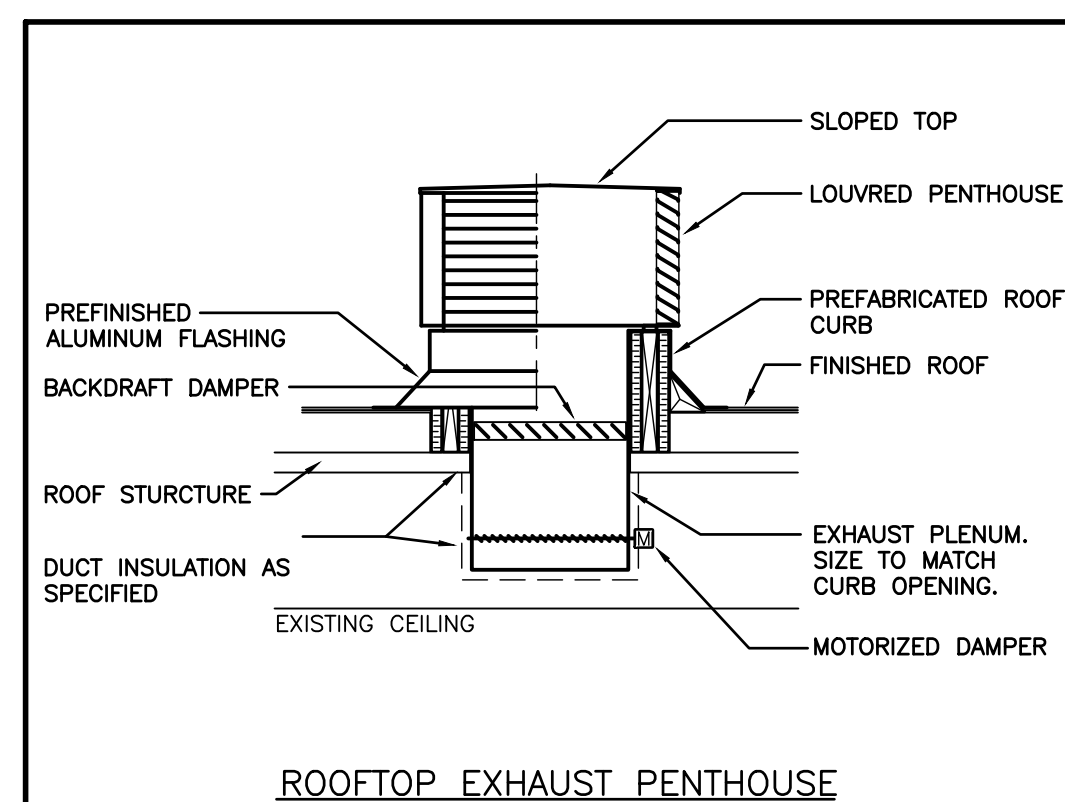
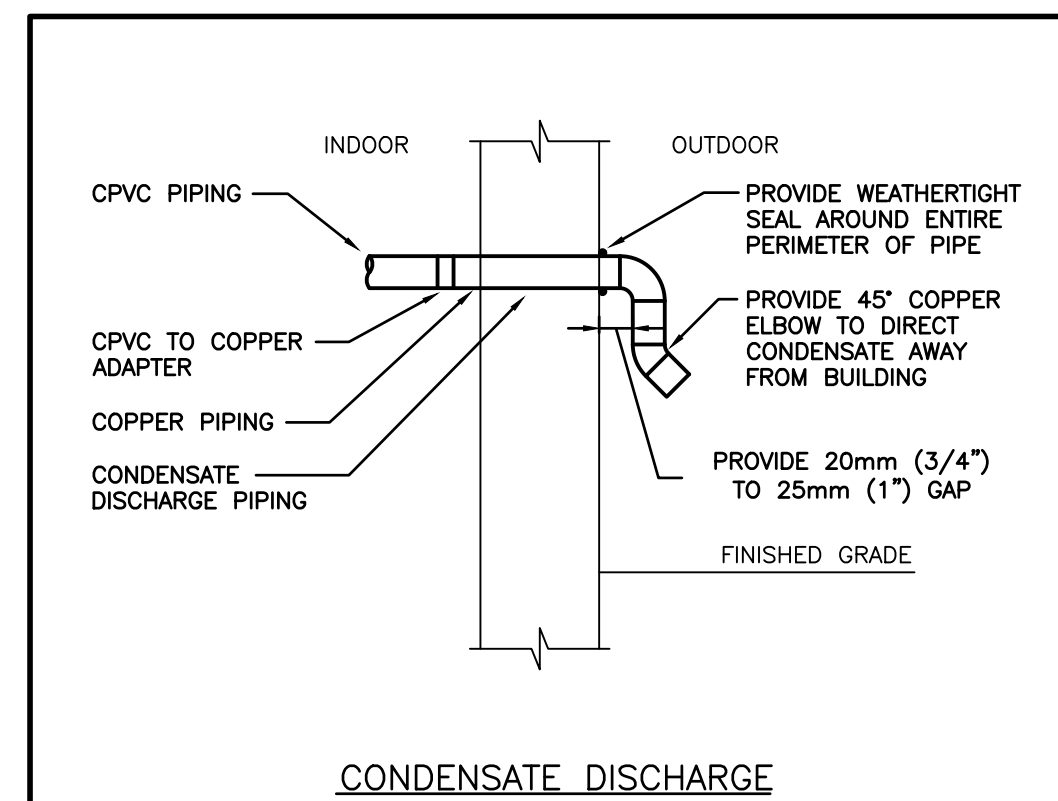
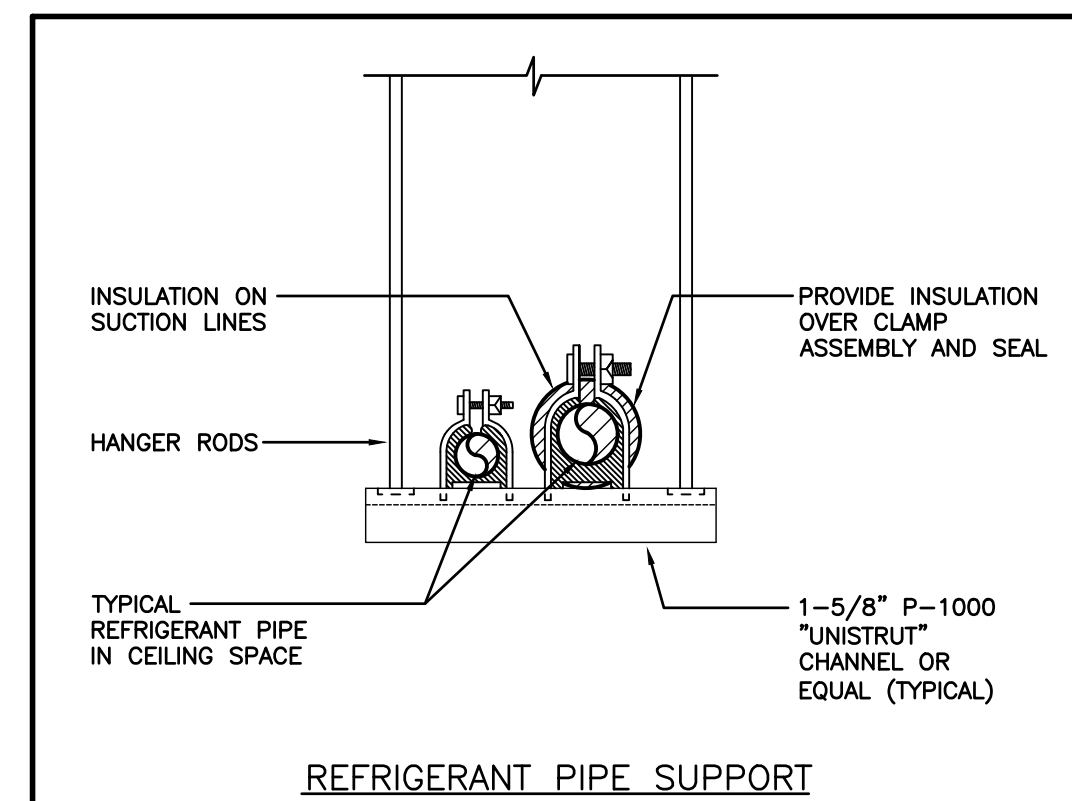
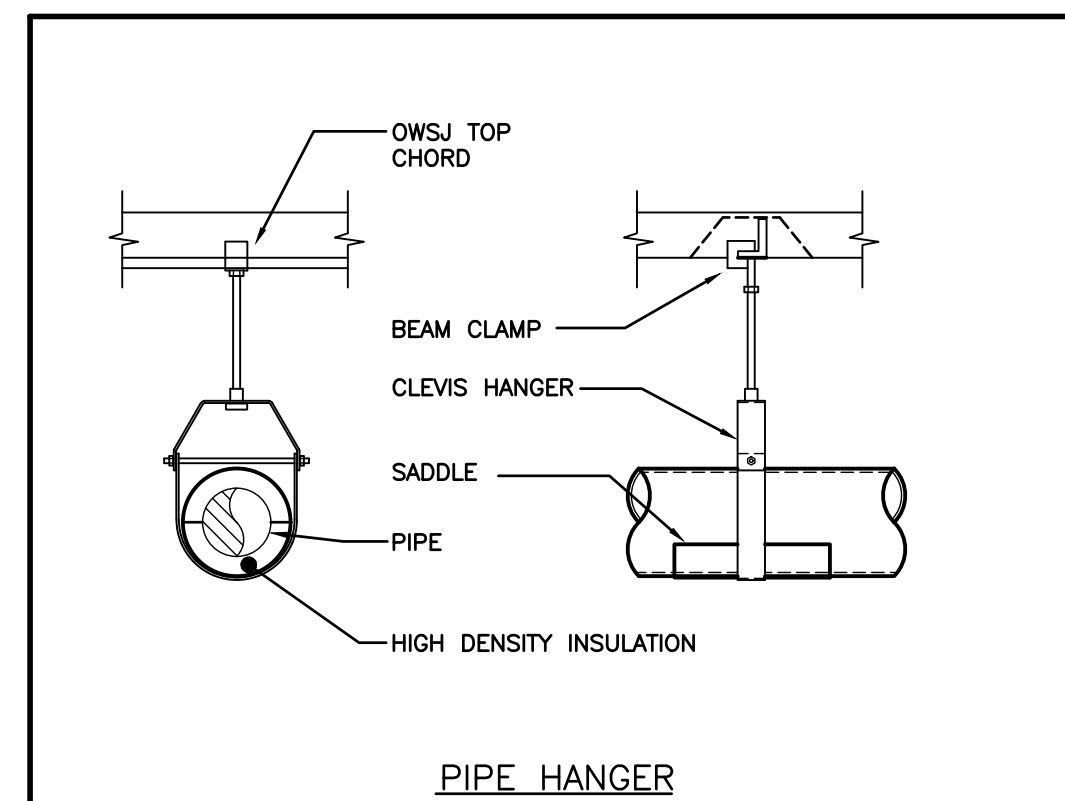
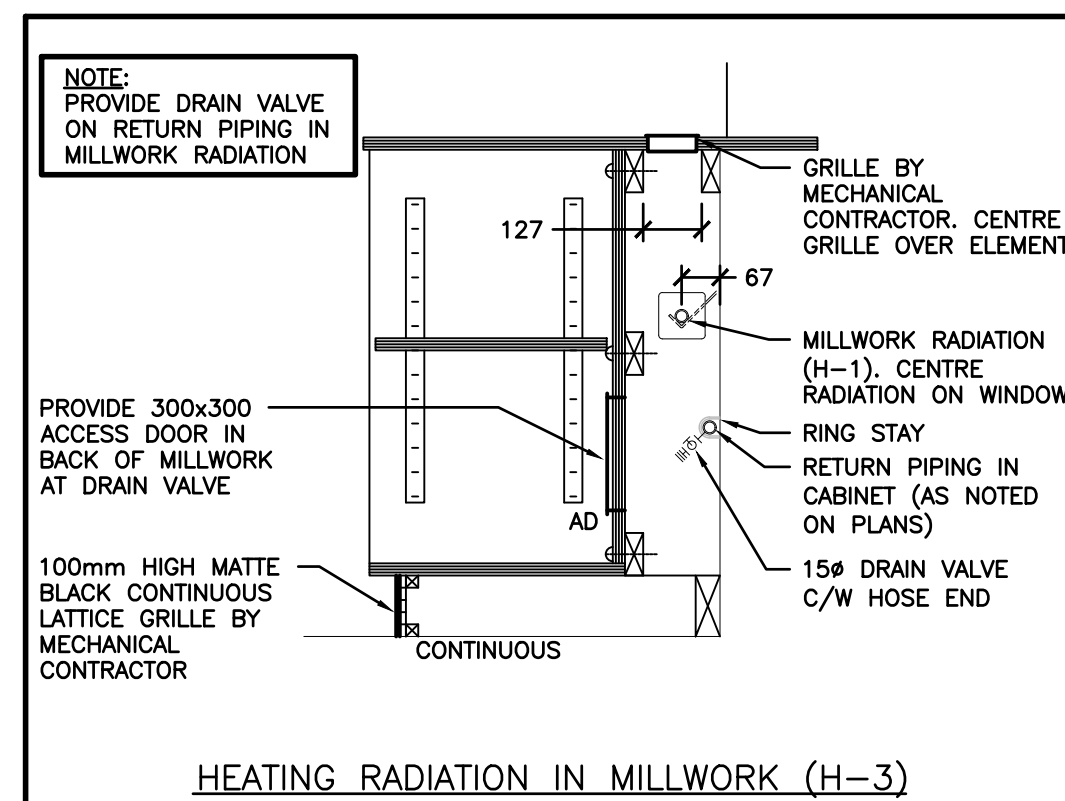
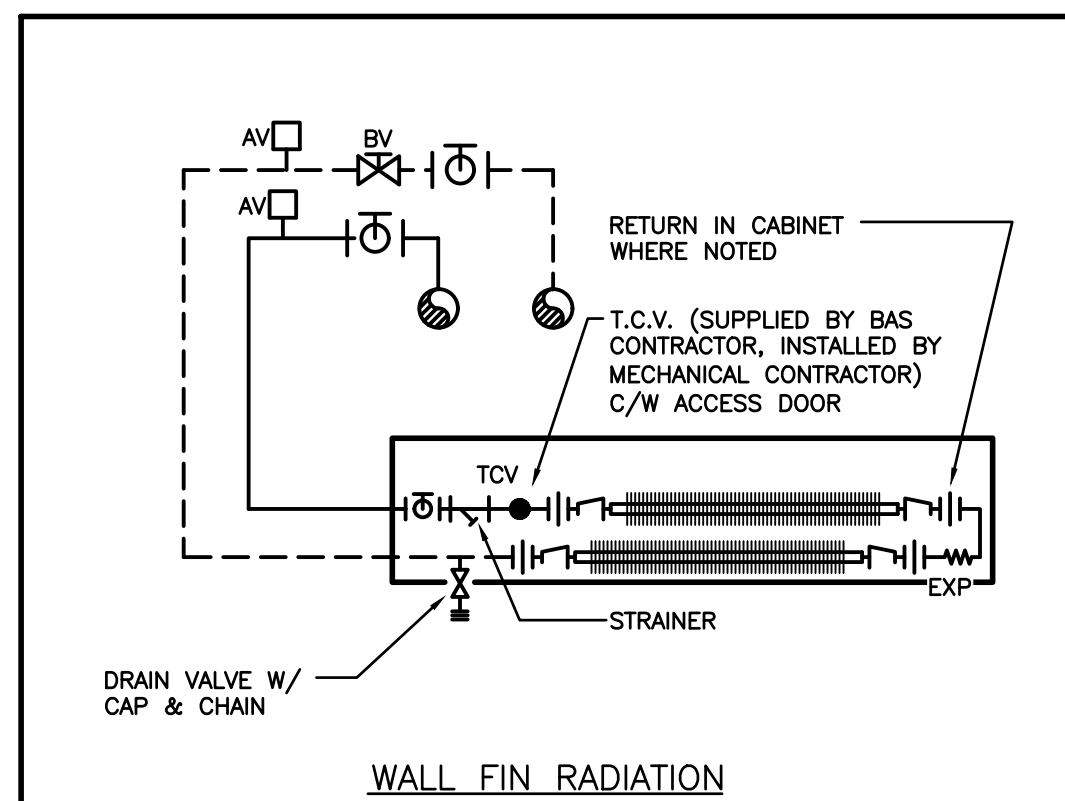
Item	Type	Connection Sizes				Acceptable Manufacturer	Fixture Description	Acceptable Manufacturer	Trim Description	Acceptable Manufacturer	Accessory Description
		HW	CW	TW	Drain						
WC-1	BARRIER FREE WATER CLOSET FLUSH VALVE, 16" HIGH, HANDS FREE (HARDWARE)	25		80	40	AMERICAN STANDARD MADERA 3043.001 KOHLER HIGHCREST K-4302 MANSFIELD ADRIATIC 1319 ZURN ECO VANTAGE Z5665-BWL	BARRIER FREE, 16" TALL TO RIM, VITREOUS CHINA, SIPHON JET, ELONGATED RIM, TOP SPUD FOR FLUSH VALVE, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.5 gal) PER FLUSH.	DELTA 81201-WM5HW ZURN ZEM5600AV SLOAN 111-ES-S	EXPOSED, POLISHED CHROME PLATED, DIAPHRAGM TYPE FLUSH VALVE WITH 25MM (1") SCREWDRIVER ANGLE STOP, MOTORIZED ACTUATOR, AUTOMATIC SENSOR WITH MANUAL PUSH BUTTON OVERRIDE, VACUUM BREAKER ADJUSTABLE TAIL PIECE, AUTOMATIC 8 HR COURTESY FLUSH, RECESSED WALL MOUNTED SENSOR BOX, FLUSH CONNECTION & COUPLING FOR 40MM (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHEONS, HARDWIRED OPERATED POWER CONVERTOR, SENSOR BOX C/W COVER, VANDAL RESISTANT SCREWS, FLUSH CYCLE SET FOR 6.0 LITRES (1.6 GAL) PER FLUSH. COORDINATE SENSOR SITS ABOVE TOILET SEAT AND GRAB BARS.	SEAT: BLACK, ELONGATED, OPEN FRONT WITH COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST. PROVIDE ROUGH-IN FOR FUTURE PORTABLE BIDET SEAT C/W 15# COLD WATER, RP BACKFLOW PREENTOR AND DEICATED SANITARY DRAIN.	
L-1	B.F. WALL MOUNTED LAV ELECTRONIC FAUCET (HARDWARE)	15	15		32	AMERICAN STANDARD MURRO 0954 000 KOHLER PINOIR K-2035-4-0	WALL-HUNG SINK, VITREOUS CHINA, WITH SPLASH LIP AND SHROUD, SUPPLY OPENINGS ON 100 MM (4") CENTRES, SHROUD/KNEE CONTACT GUARD #0059 020, OVERFLOW, SIZE: 540 MM X 520 MM (21 1/4" X 20 1/2").	DELTA 591T0250 MOEN COMMERCIAL C48301-4C ZURN Z6915-HW6-XL	HARDWIRED ELECTRONIC FAUCET, CAST BRASS ONE PIECE BODY WITH INTEGRAL WATER PROOF INFRARED 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 FLUG-IN TRANSFORMER.	INSULATION: MOCURE FROWRAP PW8902 TRUEBRO LAV GUARD INSULATION: INSULATE WASTE AND SUPPLIES WITH UL LISTED PREFORMED INSULATION SYSTEM COMPLETE WITH SEAMLESS JACKET. WASTE FITTING: NPS 32 MM (1 1/4") OFFSET WASTE WITH OPEN GRID STRAINER. PROVIDE FLOOR MOUNTED WALL CARRIER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA 591T, POWERS LM490 OR EQUAL. (SET TO 105°F) IN RECESSED CONTROL BOX. PROVIDE ACCESS DOOR ADJACENT TO LAVATORY TO ACCOMMODATE JUNCTION BOX & MIXING VALVE CONTROL BOX INTERFERING WITH SHROUD/COVER	
S-1	STAINLESS STEEL SINGLE SINK	15	15		40	KINDRED LBS6808-1/3 NOVANNI 1017	SINK: SINGLE COMPARTMENT, LEDGE-BACK, FROM 1.0 mm (20 GAUGE) THICK TYPE 302 POLISHED STAINLESS STEEL, SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZES: 520 mm X 510 mm X 200 mm (20 1/2" X 20" X 8").	DELTA 26C3933 ZURN Z82300-CP8 MOEN COMMERCIAL 8701	FAUCET: CHROME PLATED BRASS, WITH RIGID/FIXED SWING SPOUT, AERATOR, SINGLE LEVER HANDLE, WASHERLESS 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. THERMOSTATIC MIXING VALVE UNDER SINK. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.	
SV-1	BARRIER FREE SHOWER SUPPLY VALVE	15	15					DELTA T13H153 MOEN SLOAN	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 6.6 LITRES (1.75 GPM)/MINUTE AT 413 KPA (60 PSI).		
FD-1	FLOOR DRAIN			NOTED	40	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				
HD-1	HUB DRAIN			NOTED	40	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.				



GRILLE SCHEDULE

Item	Type	Manufacturer & Model	Finish	Remarks
R1	CEILING RETURN	KRUEGER EGS	BRITISH WHITE	ALUMINUM C/W CHANNEL FRAME, LAY-IN
R2	CEILING RETURN/EXHAUST	KRUEGER S580	BRITISH WHITE	ALUMINUM, 3/4" BLADE SPACING, FIXED DEFLECTION, SCREWED FASTENING
R3	SIDEWALL RETURN	KRUEGER S580	BRITISH WHITE	ALUMINUM, FIXED DEFLECTION, 3/4" SPACING, C/W SCREWED FASTENING
R4	TOE SPACE GRILLE	KRUEGER I380	BRITISH WHITE	PUNCHED STEEL AT 25MM X 25MM (1"x1") SPACING WITH 15MM X 15MM (1/2"x1/2") HOLE. SCREW FASTENING AND FINISH SELECTED BY CONSULTANT.
S1	MILLWORK GRILLE	KRUEGER 1800	BRITISH WHITE	LINEAR BAR GRILLE, LAY-IN, PENCIL PROOF, 15° DEFLECTION, REMOVABLE CORE

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 MATTE BLACK (WHERE VISIBLE THRU GRILLE).



Revision Schedule

Particular	Date	No.
ISSUED FOR PERMIT AND TENDER	2023.03.07	1

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Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 20298

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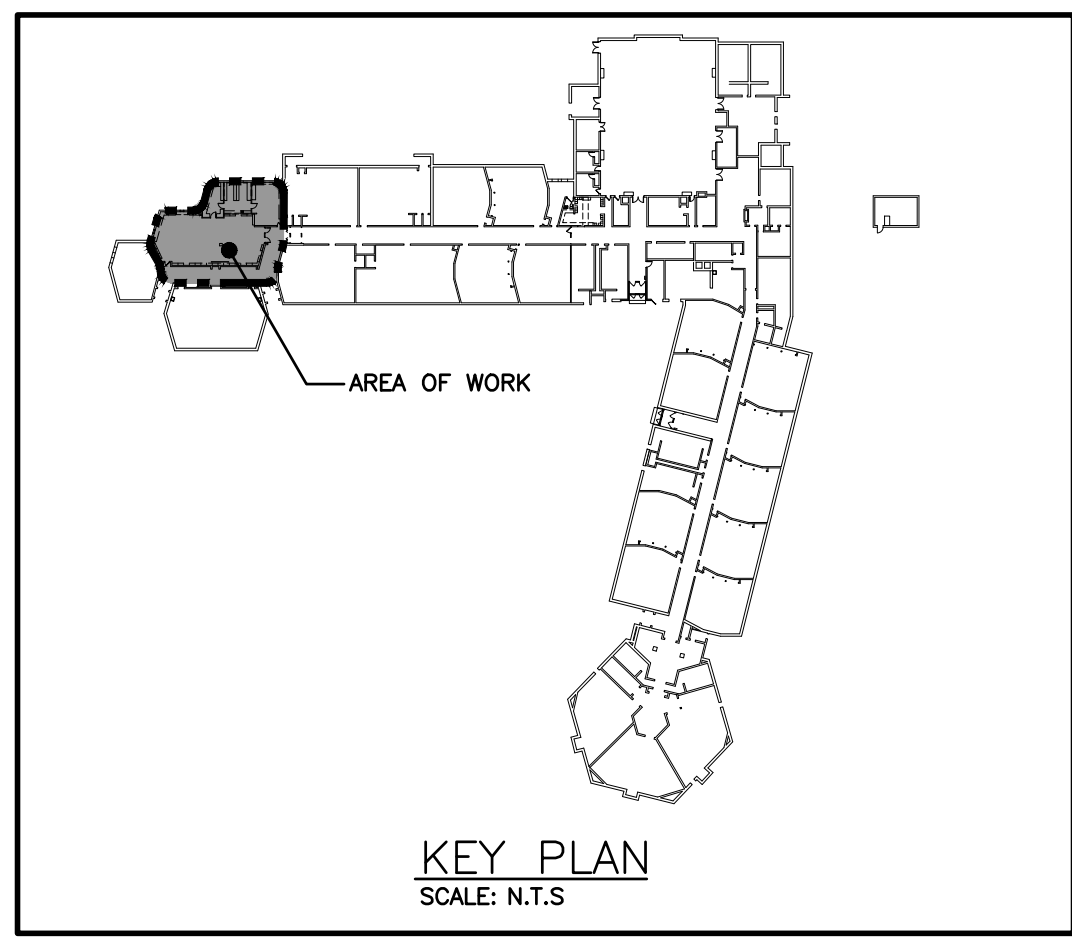
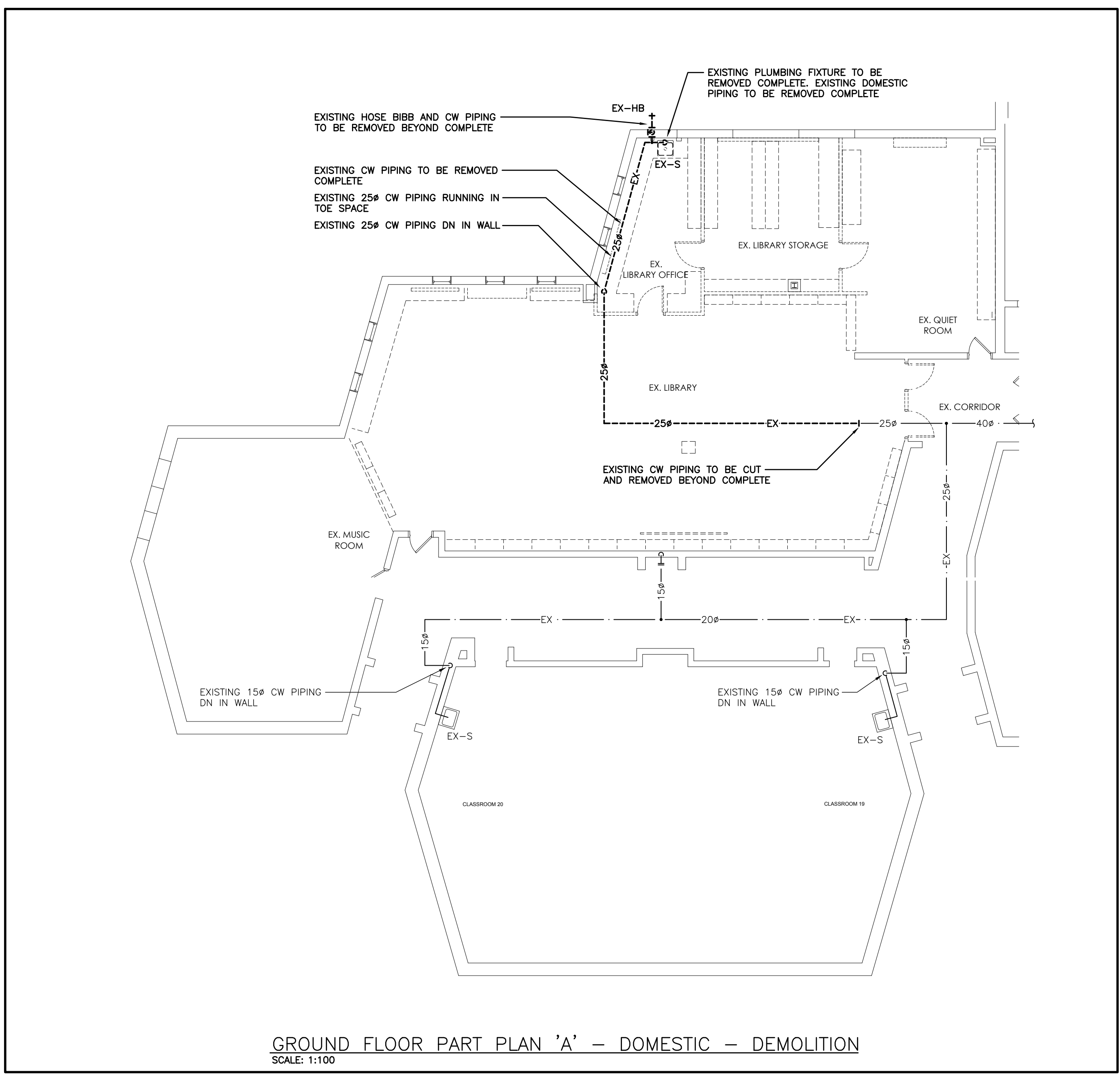
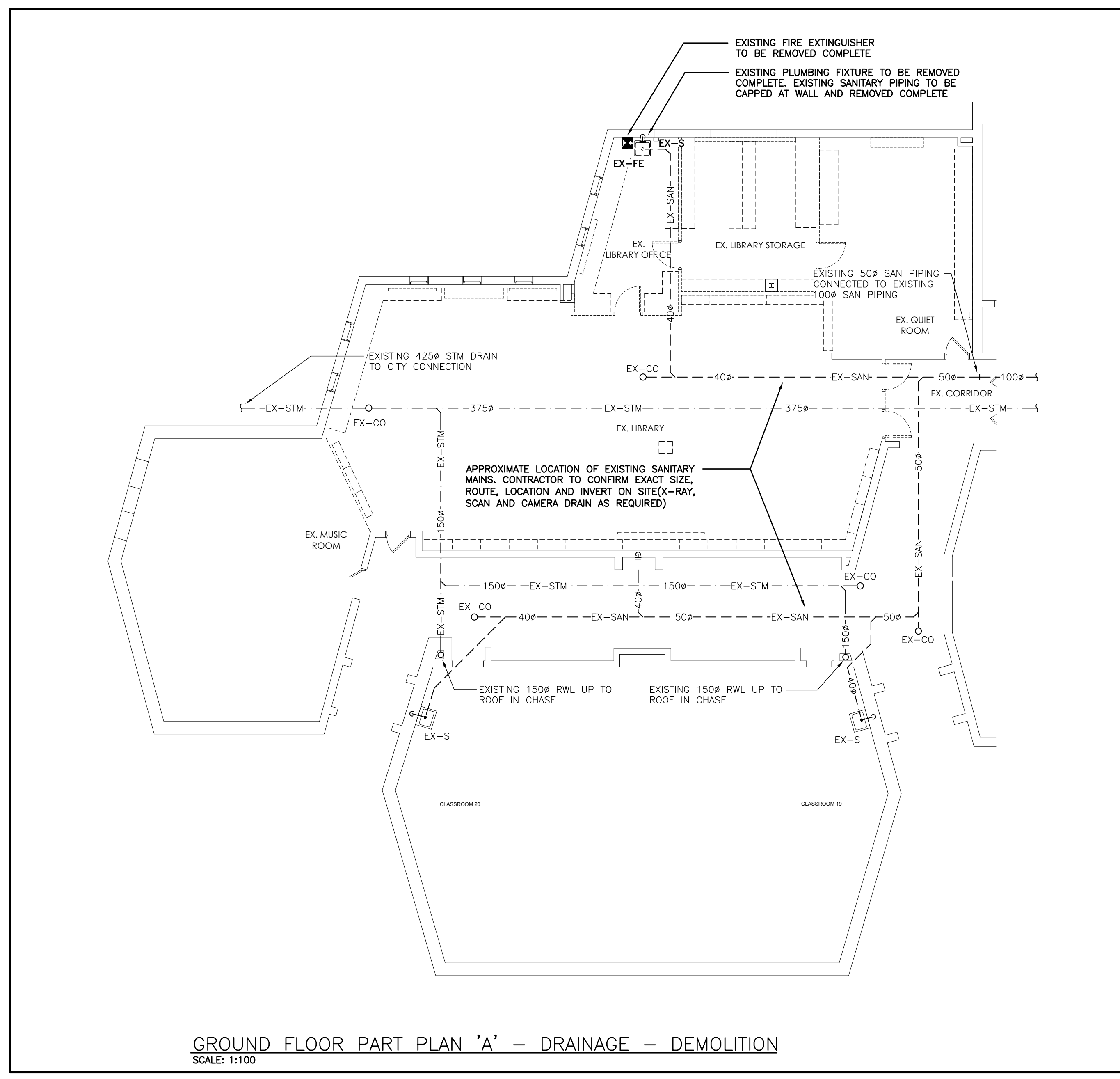
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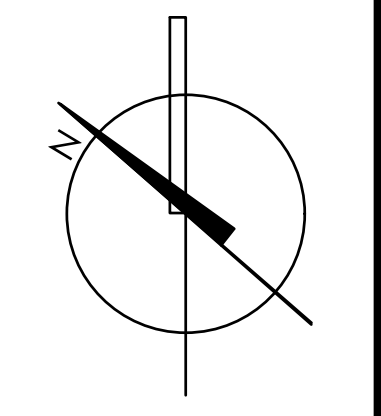
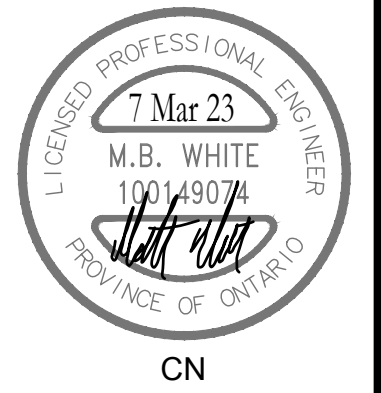
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- GENERAL DEMOLITION NOTES**
- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
 - EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
 - THIS CONTRACTOR 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.



M2.1

GROUND FLOOR PART PLANS 'A' - DEMOLITION

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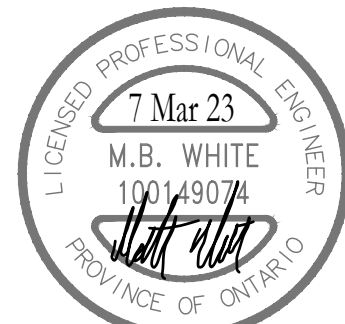
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 55 Northland Road, Waterloo, ON N2V 1Y8
 Phone: 519-745-3555
 Website: deiassociates.ca
 Project Number: 20298

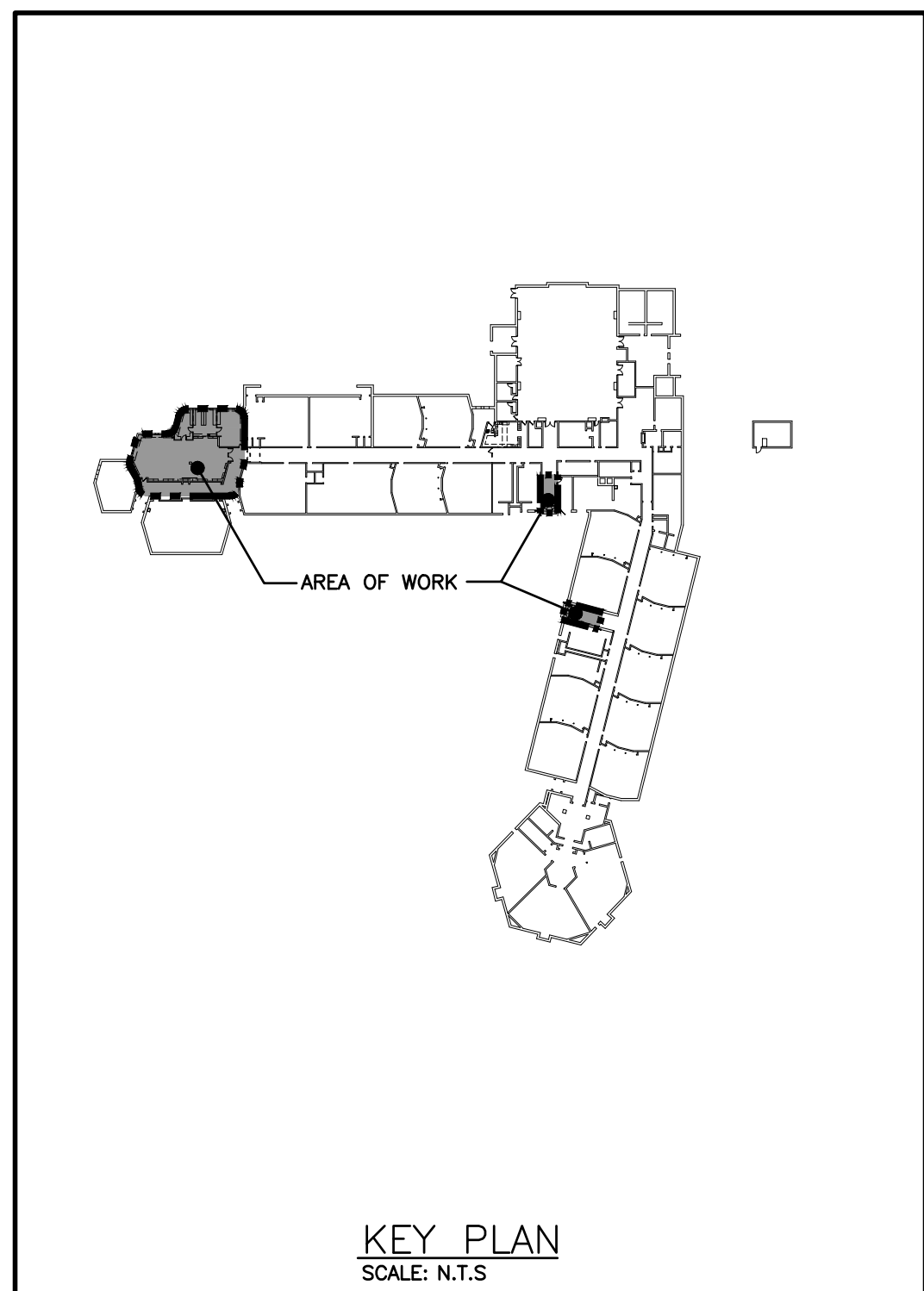
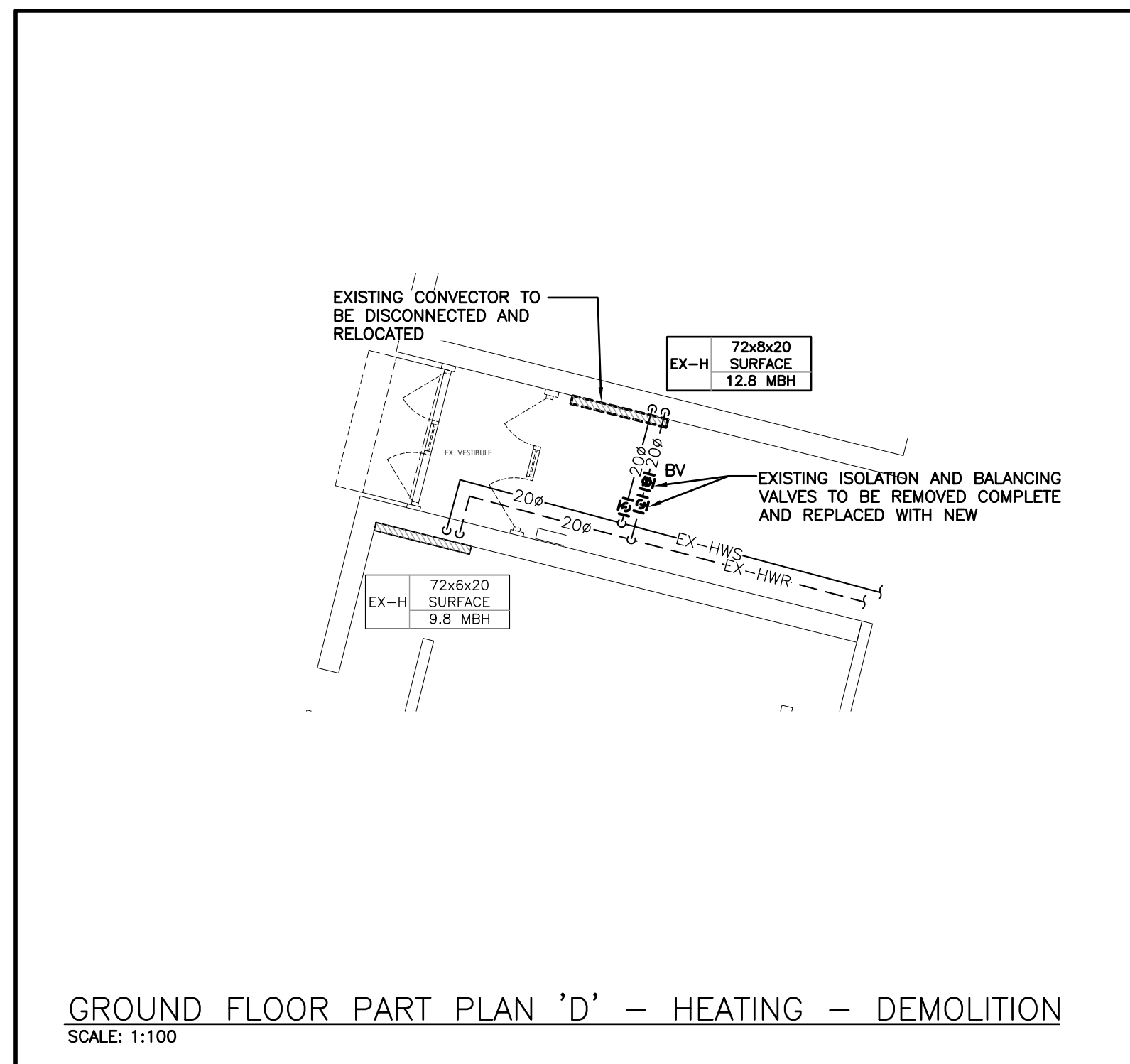
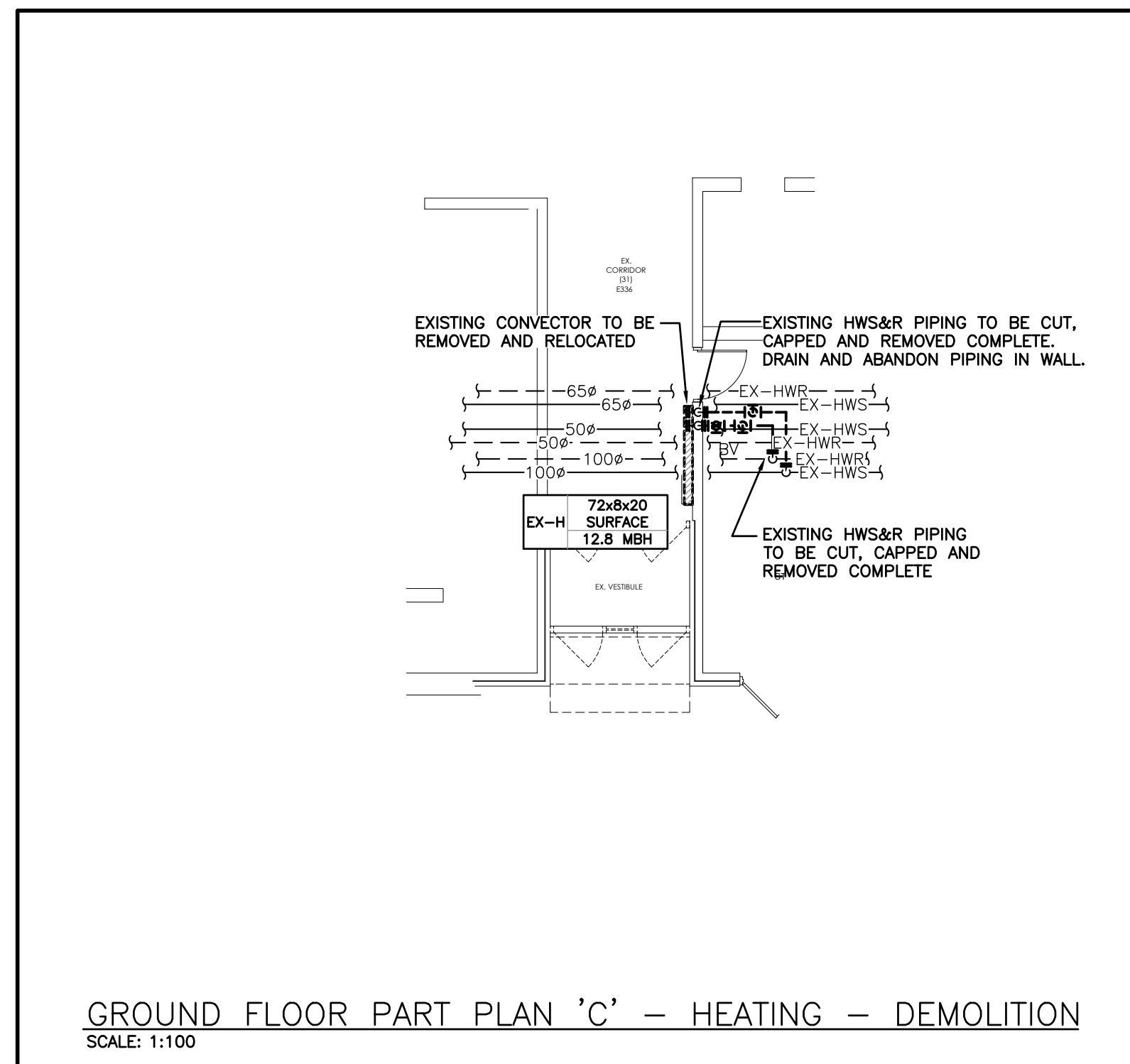
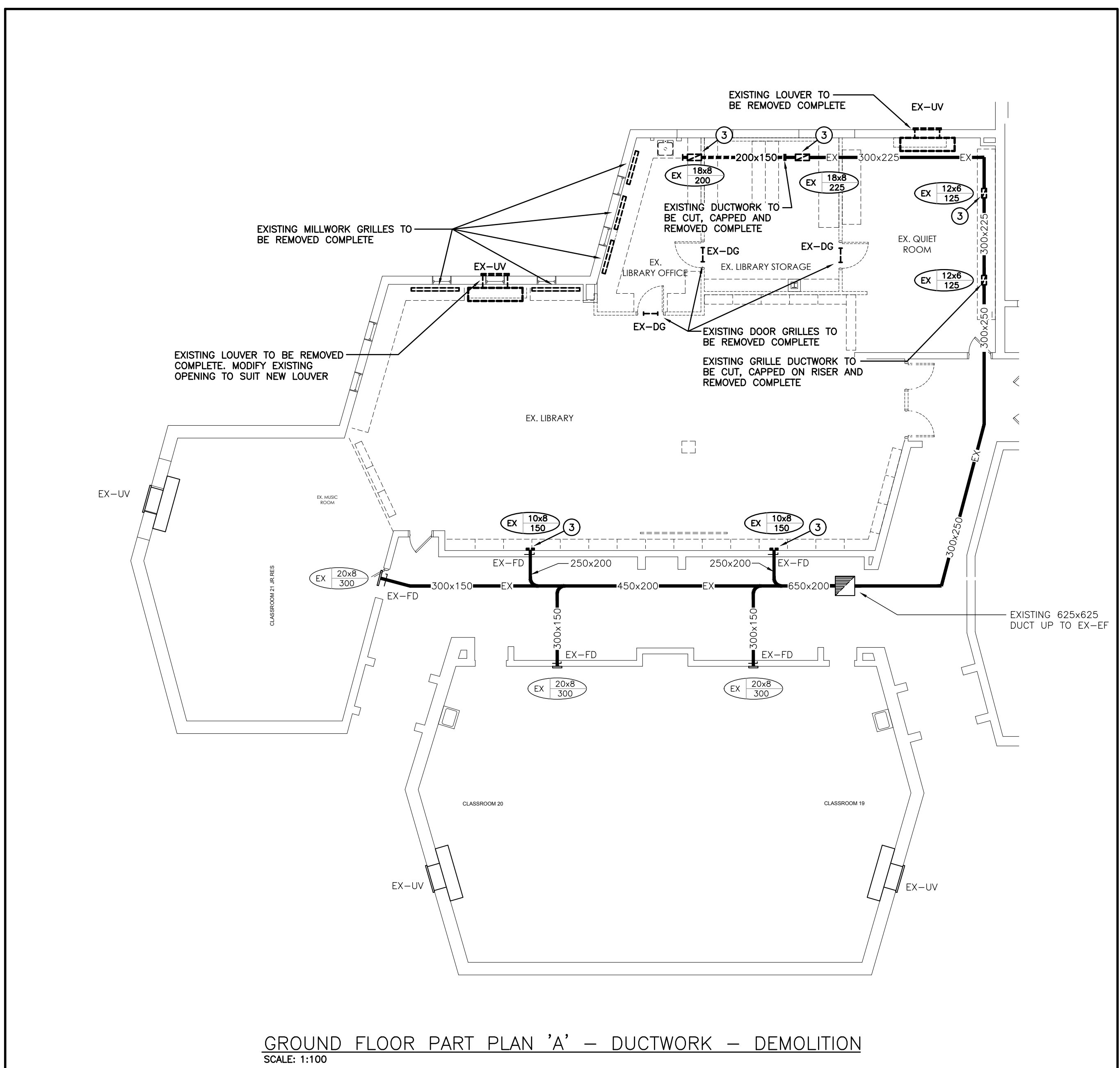
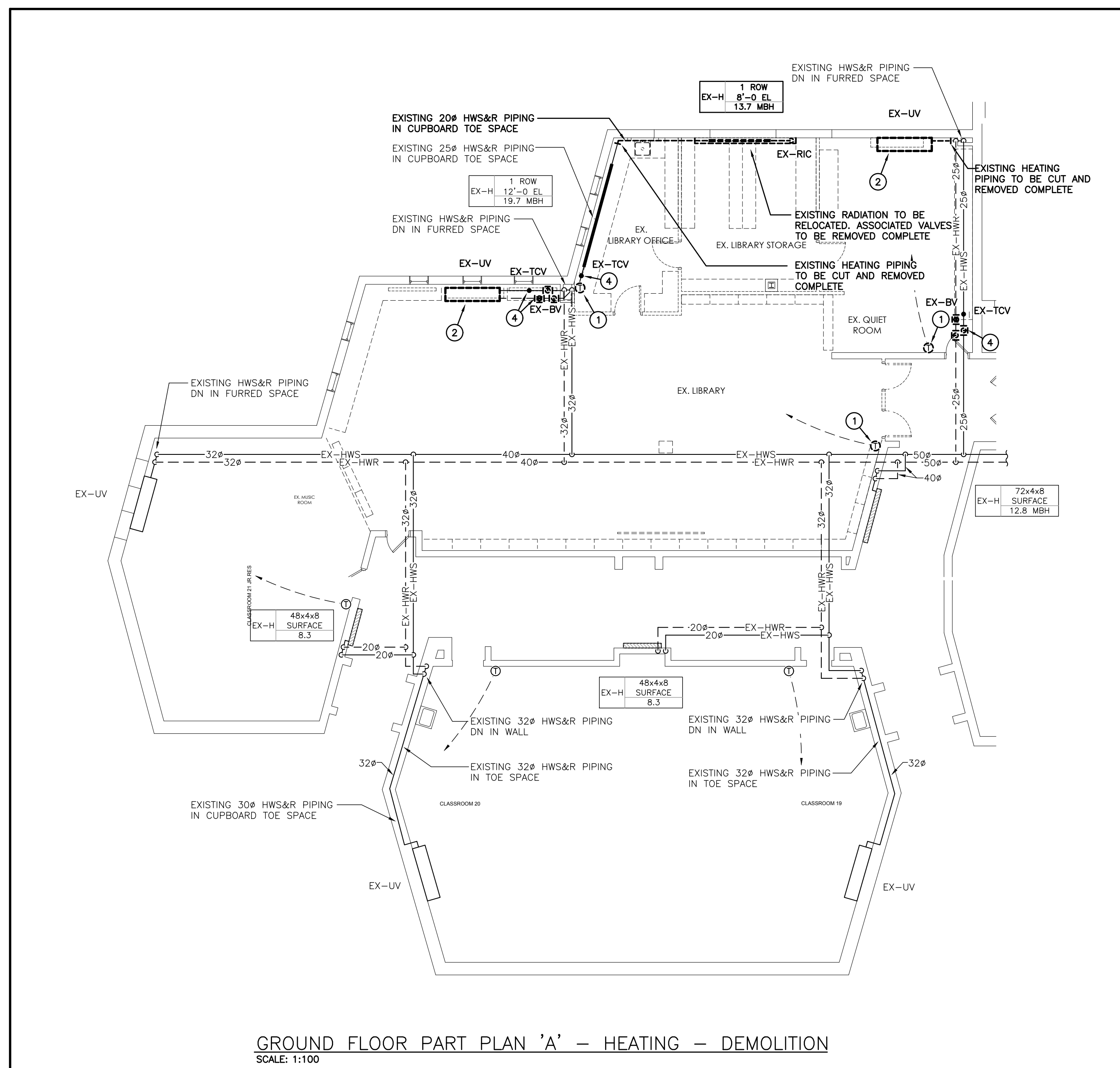
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Project Name: **CRESTVIEW P.S. RENOVATION**
 Project Location: **153 MONTCALM DRIVE KITCHENER, ON N2B 2R6**
 Project Number: **20298**

Client: **CRESTVIEW PUBLIC SCHOOL**

GROUND FLOOR PART PLANS 'A, C & D' - DEMOLITION


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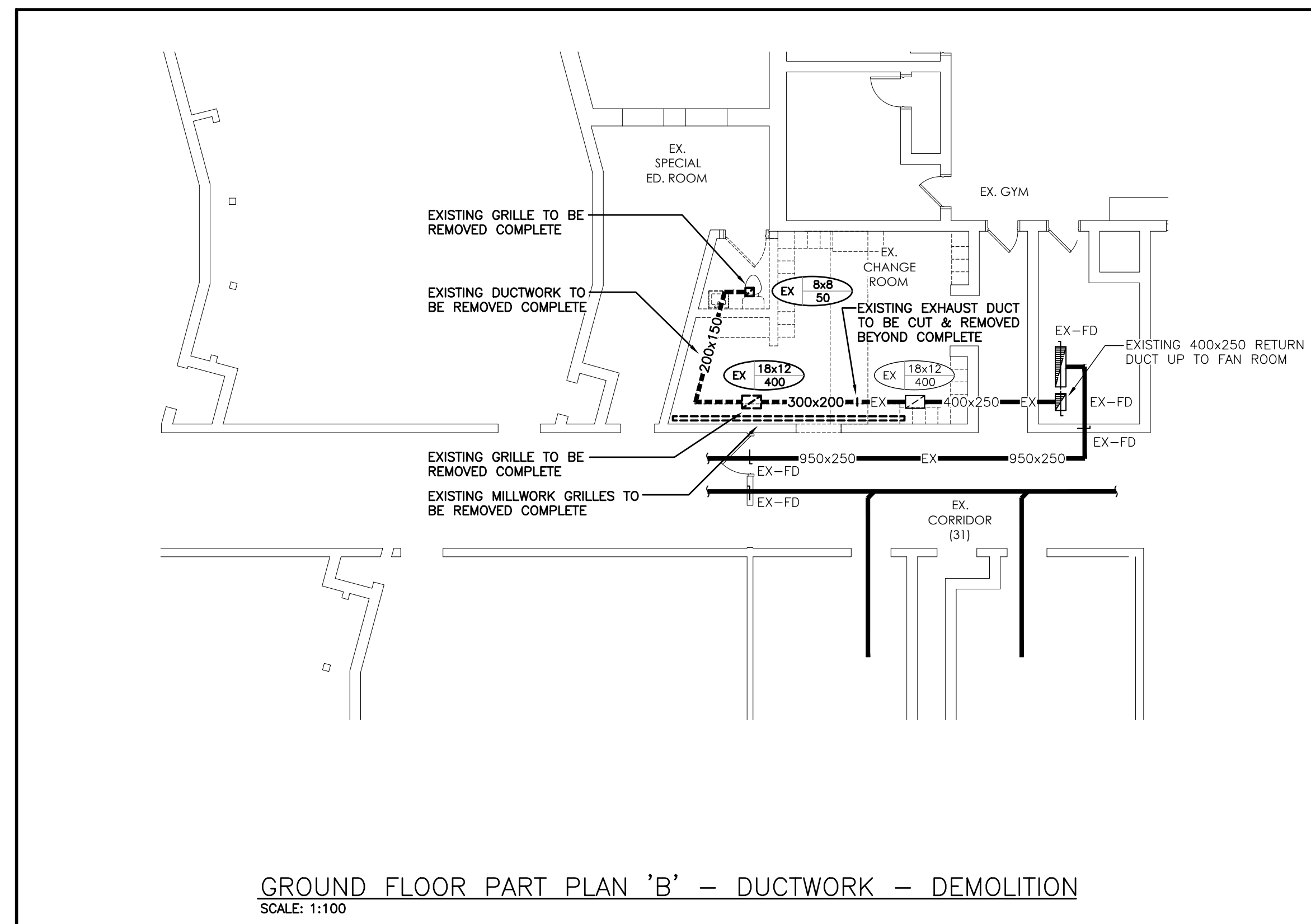
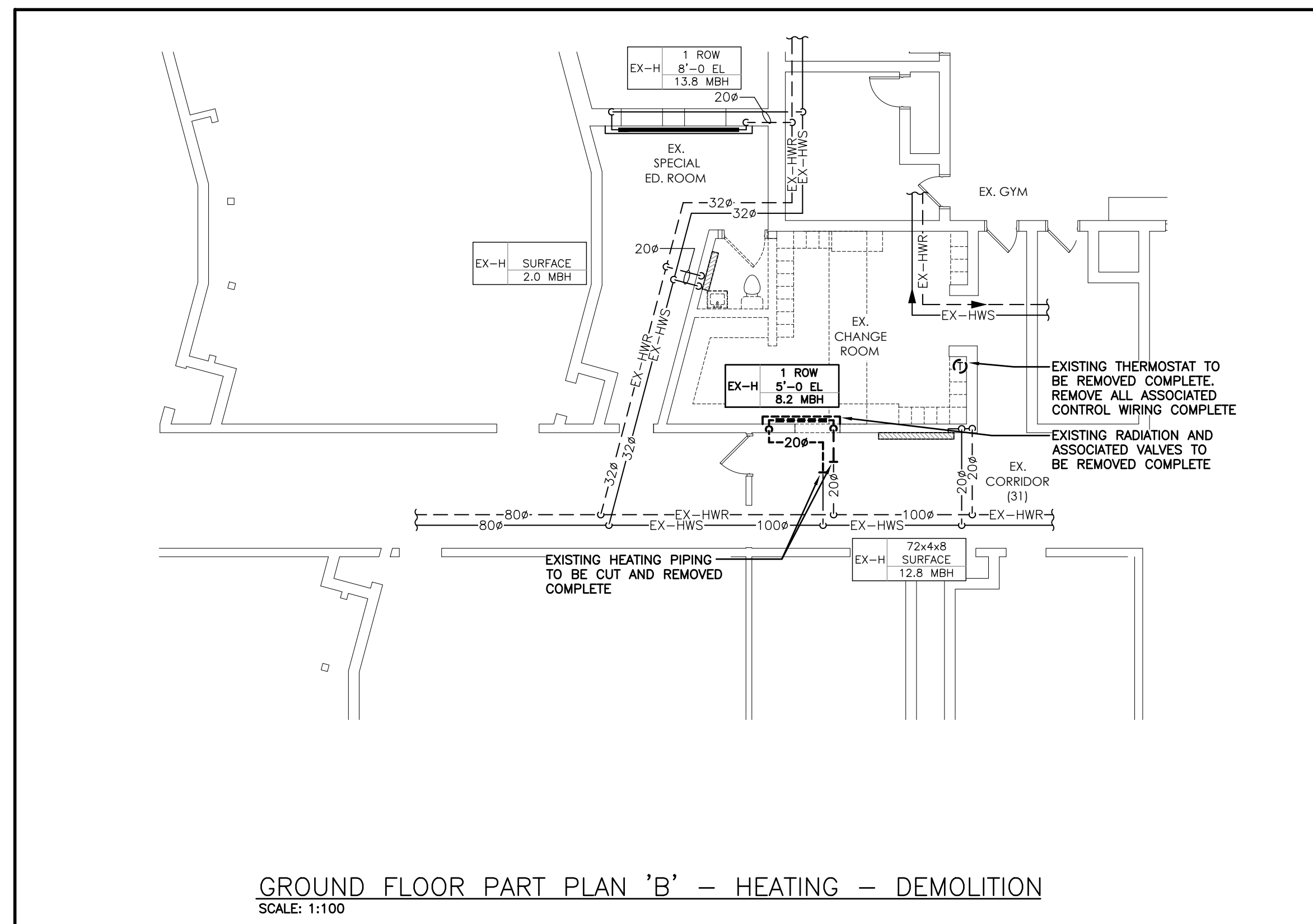
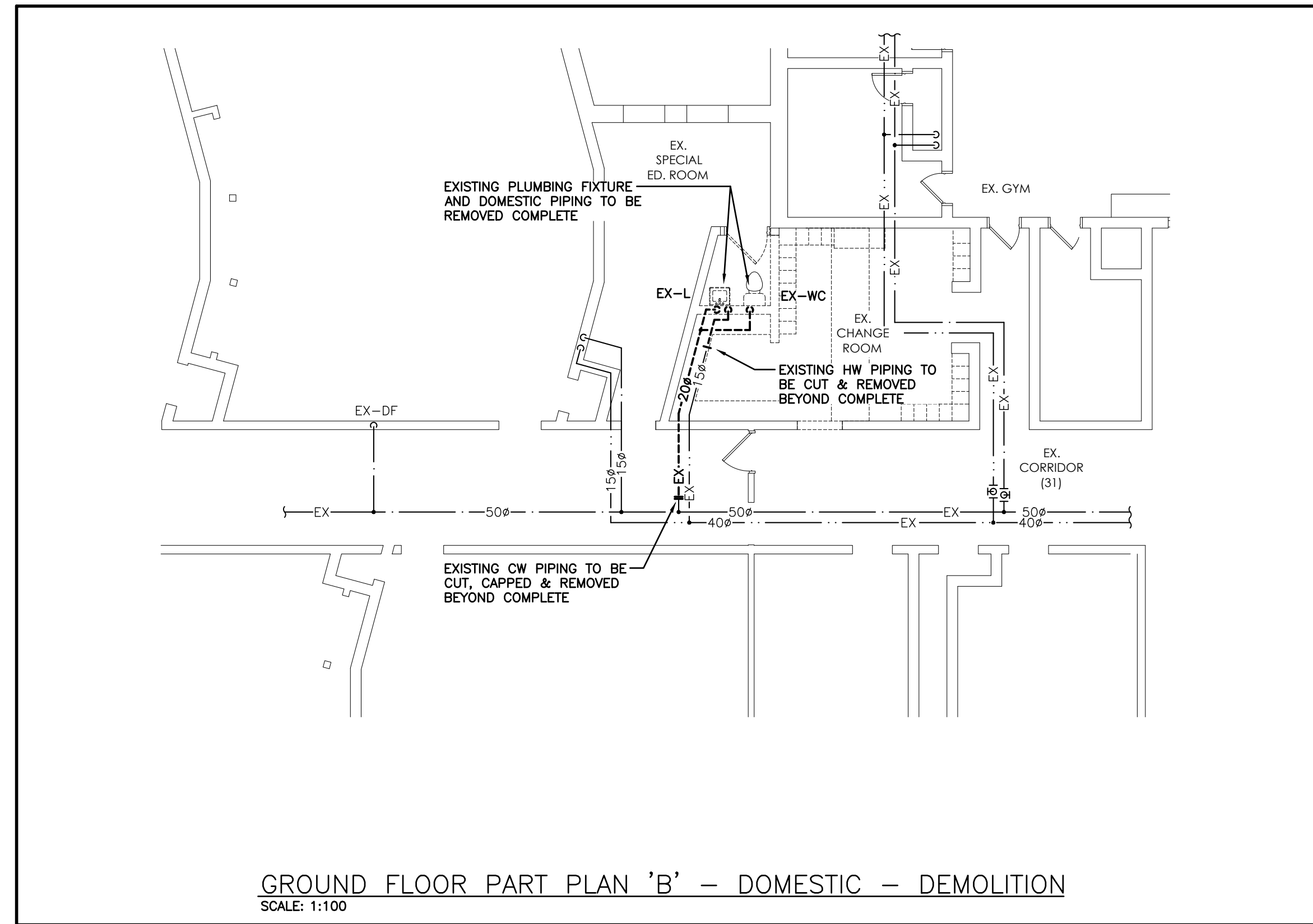
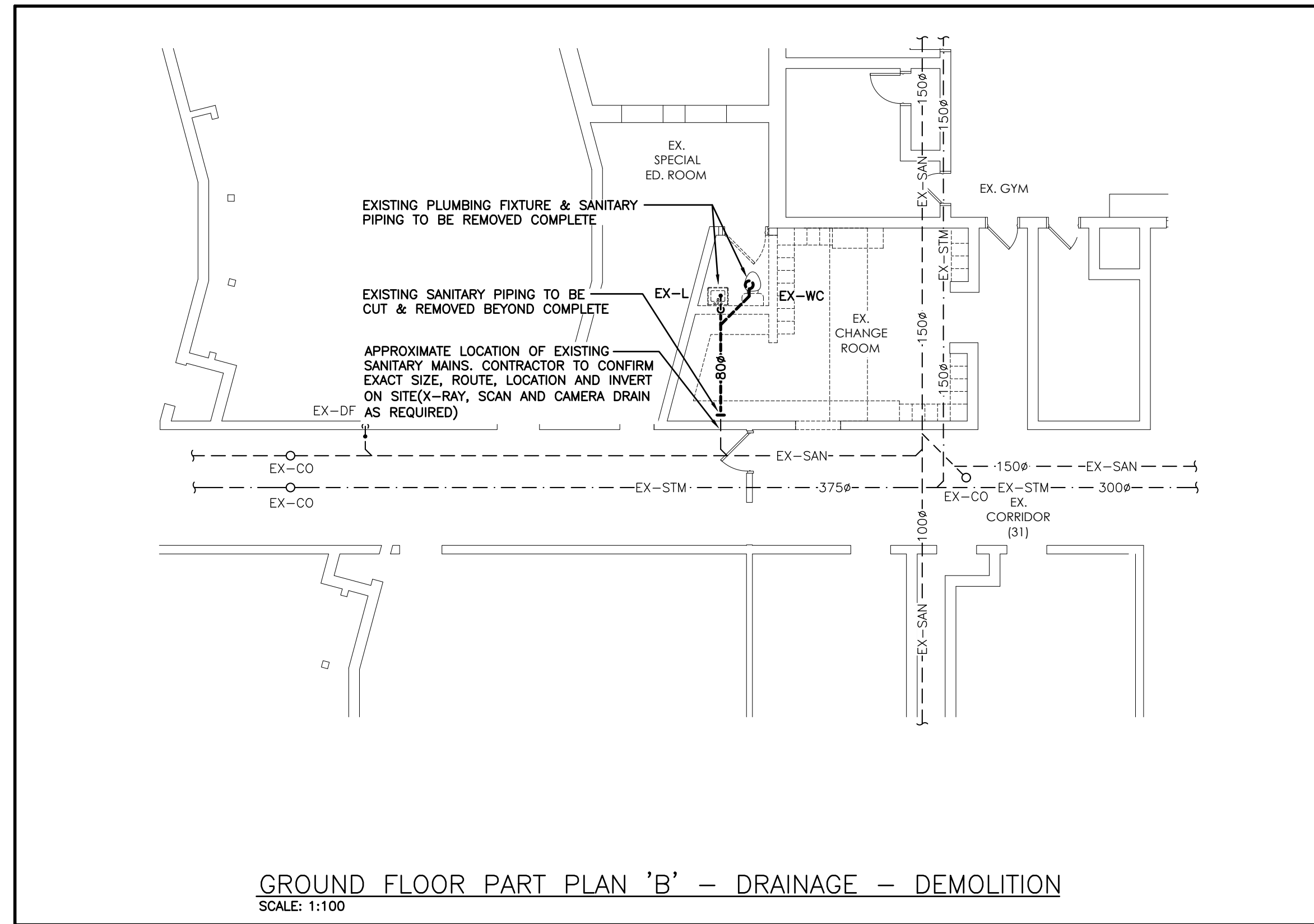
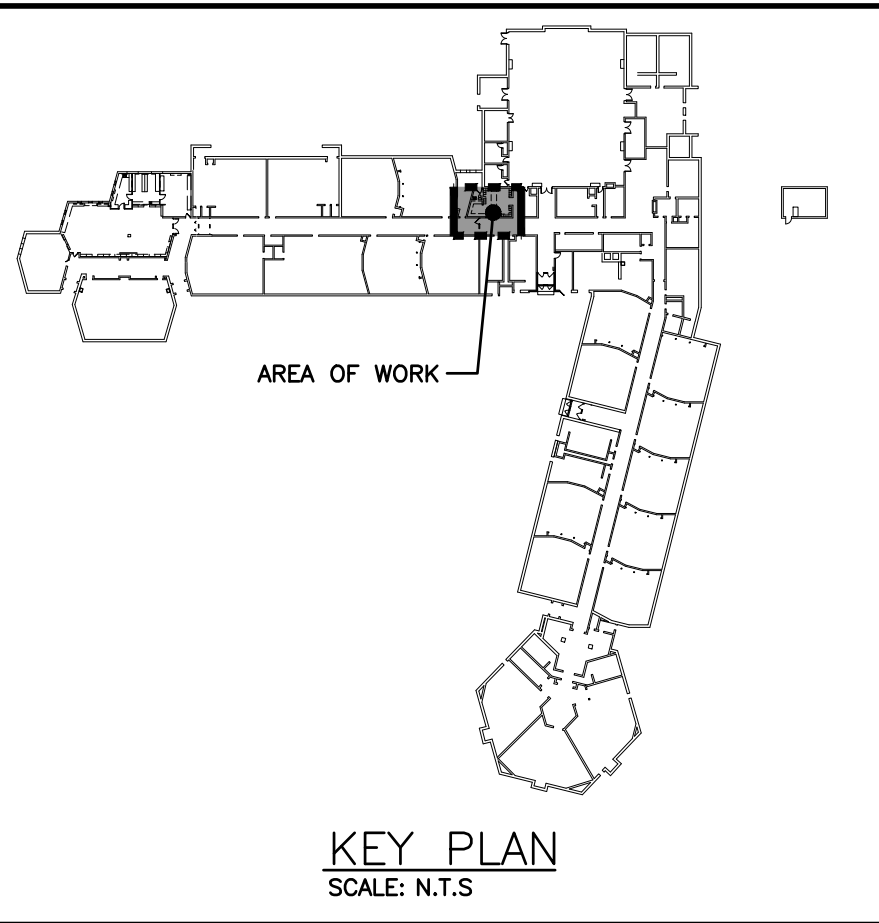


- GENERAL DEMOLITION NOTES**
- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
 - EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
 - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS 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 THERMOSTAT TO BE REMOVED COMPLETE. REMOVE ALL ASSOCIATED CONTROL WIRING COMPLETE.
 - EXISTING UNIT VENTILATOR AND ASSOCIATED VALVES & CONTROLS TO BE REMOVED COMPLETE.
 - EXISTING GRILLES TO BE REMOVED COMPLETE.
 - EXISTING ISOLATION, TEMPERATURE CONTROL AND BALANCING VALVES TO BE REMOVED COMPLETE AND REPLACED WITH NEW.

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.
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Revision Schedule		
Particular	Date	No.
ISSUED FOR PERMIT AND TENDER	2023.03.07	1

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 Project Number: 20298

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Project Name: CRESTVIEW P.S. RENOVATION
Project Location: 153 MONTCALM DRIVE KITCHENER, ON N2B 2R6
Project Number: 20298

Client: CRESTVIEW PUBLIC SCHOOL

LICENSED PROFESSIONAL ENGINEER
 7 Mar 23
 M.B. WHITE
 10019074
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GROUND FLOOR PART PLANS 'B' - DEMOLITION

Revision Schedule

Particular	Date	No.
ISSUED FOR PERMIT AND TENDER	2023.03.07	1



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Website: deiassociates.ca
Project Number: 20298

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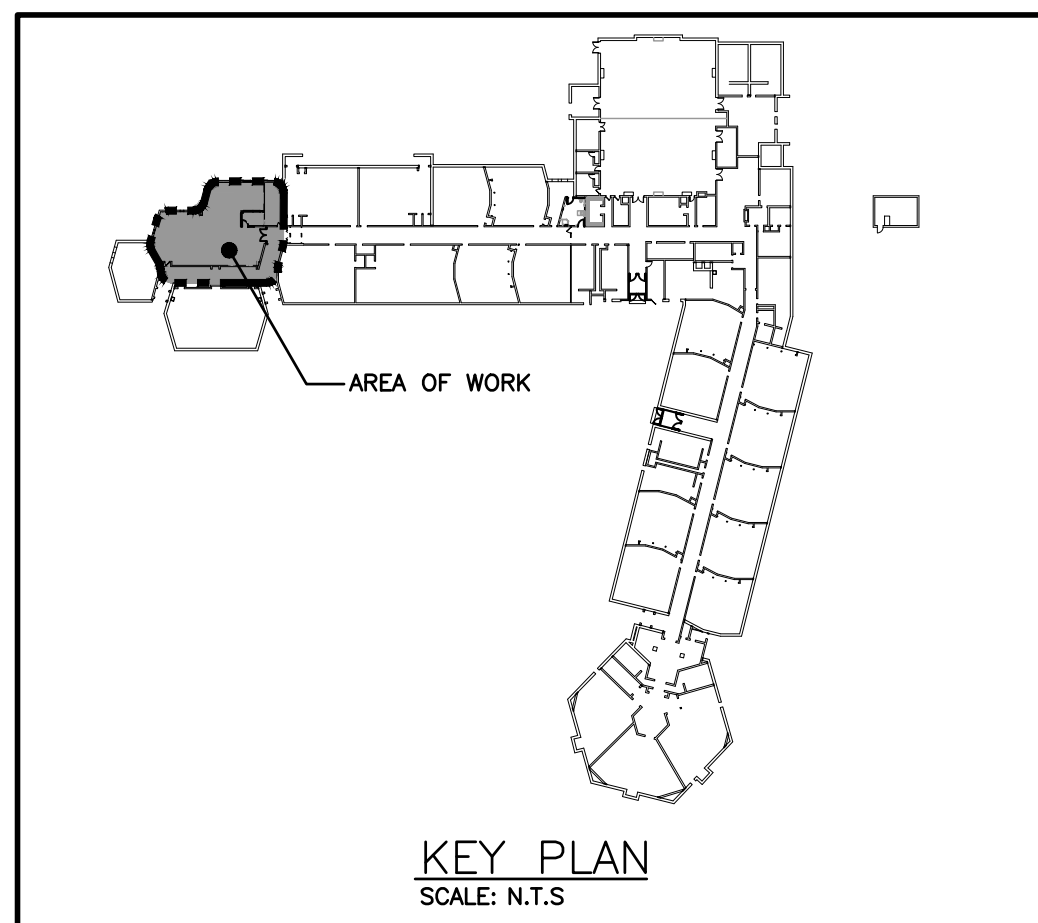
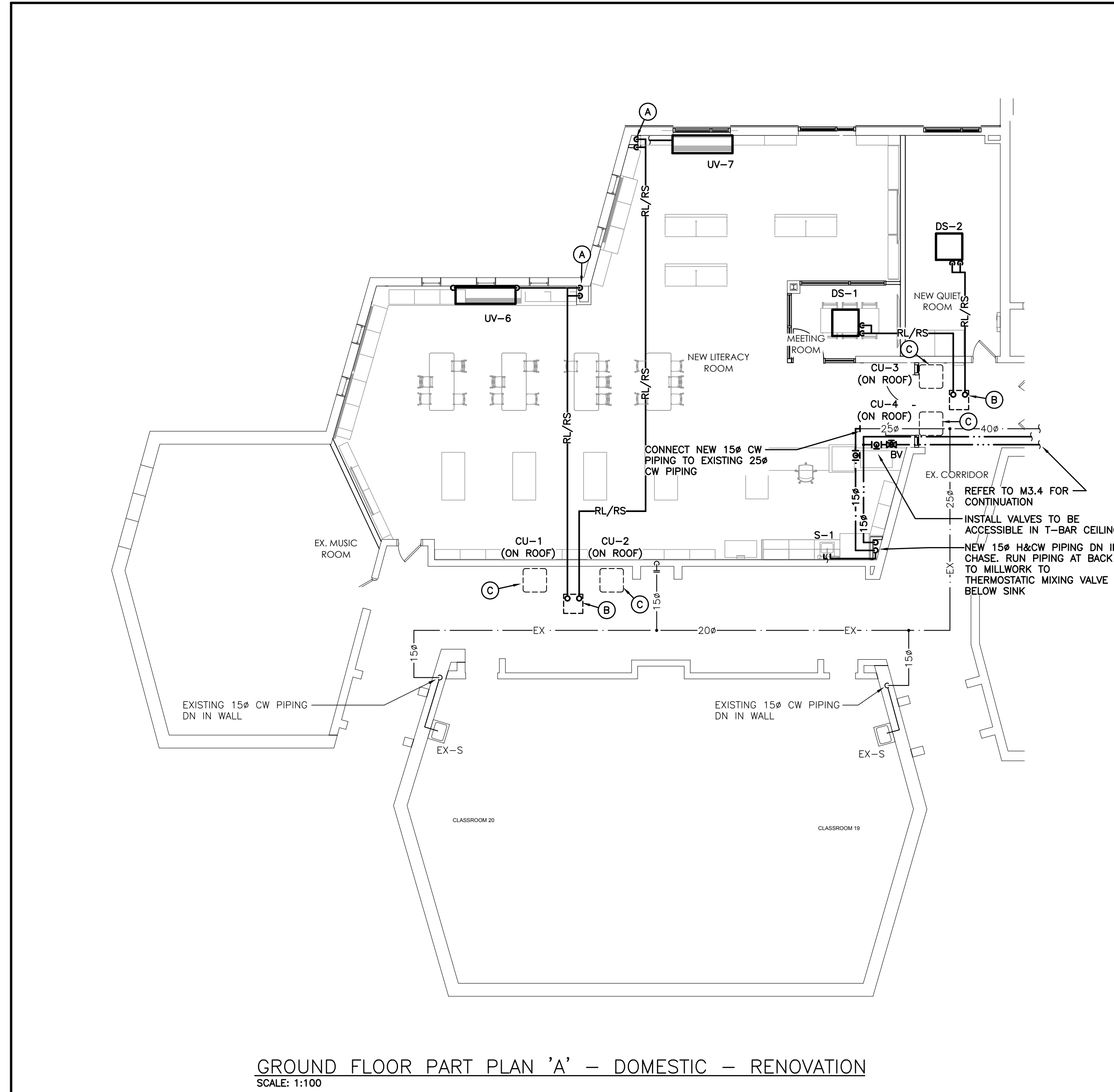
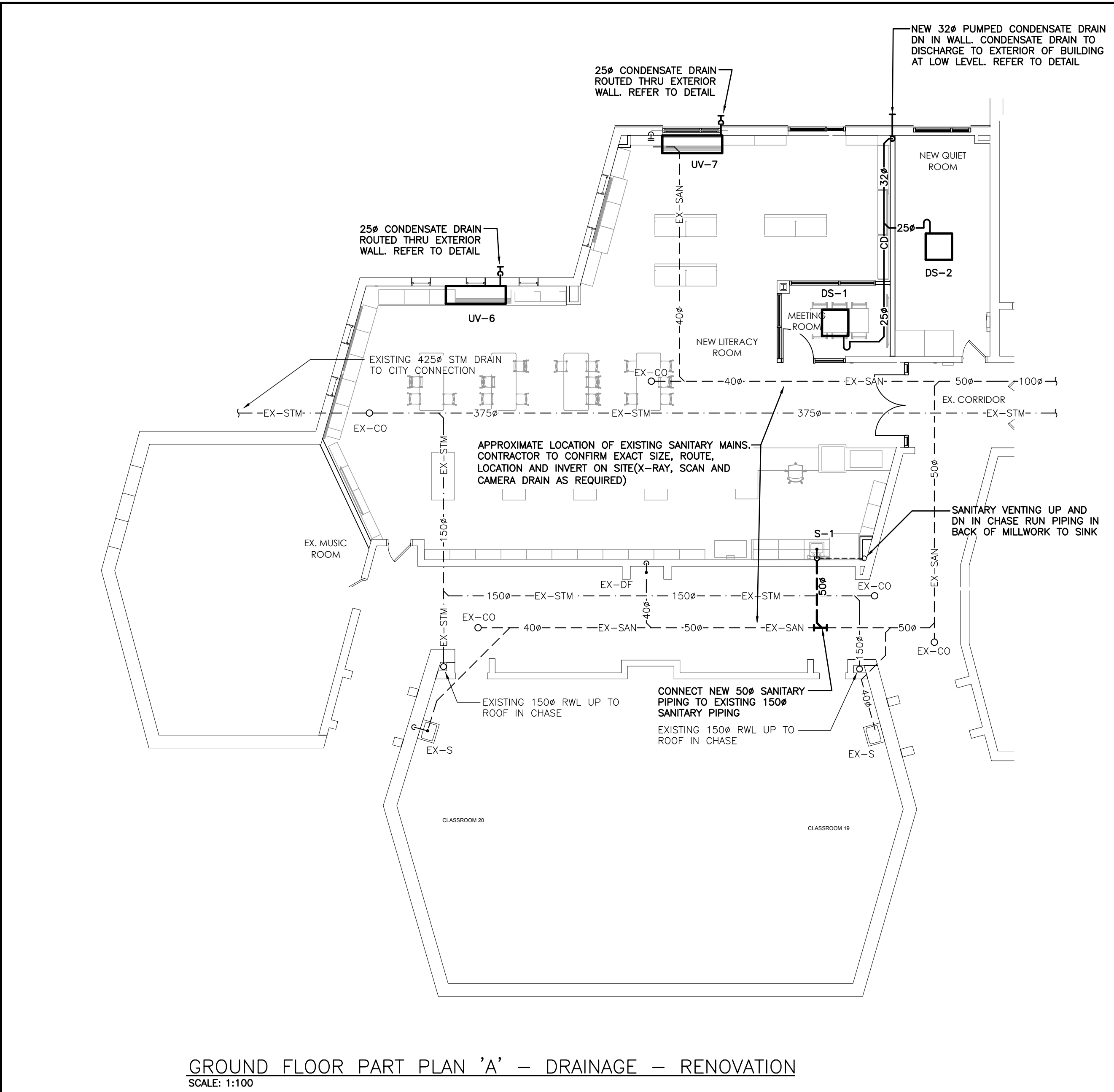
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Project Name: **CRESTVIEW P.S. RENOVATION**
Project Location: **153 MONTCALM DRIVE KITCHENER, ON N2B 2R6**
Project Number: **20298**

Client: **CRESTVIEW PUBLIC SCHOOL**



GENERAL RENOVATION NOTES

- CLEAN AND VACUUM EXISTING DUCTWORK ADJACENT TO NEW CONNECTIONS ± 10'-0" IN EACH DIRECTION.
- CO-ORDINATE ANY OWSJ BRIDGING RELOCATION OR REMOVAL/REPLACEMENT WITH THE GENERAL CONTRACTOR. PAY ALL COSTS REQUIRED TO MODIFY BRIDGING FOR INSTALLATION OF DUCTWORK.
- 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 MINIMUM 3700mm (12'-0") FROM ANY AIR INLET. INSTALL VENT PIPING HIGH IN JOIST SPACE.
- REFER TO ARCHITECTURAL CEILING PLANS FOR GRILLES/DIFFUSERS LOCATIONS. CO-ORDINATE FINAL LOCATION ON SITE.
- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.

SPECIFIC RENOVATION NOTES

- NEW RL&RS PIPING DN IN CHASE. UTILIZE REAR CHASE TO UNIT VENTILATOR CHASE AS REQUIRED TO SUIT PIPING CONNECTION LOCATION. PROVIDE ACCESS DOOR/PANEL IN MILLWORK CHASE FOR VALVES.
- RL&RS PIPING UP THRU ROOF IN DOGHOUSE TO CONDENSING UNIT. REFER TO DETAIL. NUMBER OF REFRIGERANT CIRCUITS AND SIZING AS PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.
- CONDENSING UNIT ON CONCRETE PAVER/INSULATION ON ROOF ABOVE. FASTEN CONDENSING UNIT TO CONCRETE PAVERS. REFER TO DETAIL.

M3.1

Revision Schedule

Particular	Date	No.
ISSUED FOR PERMIT AND TENDER	2023.03.07	1

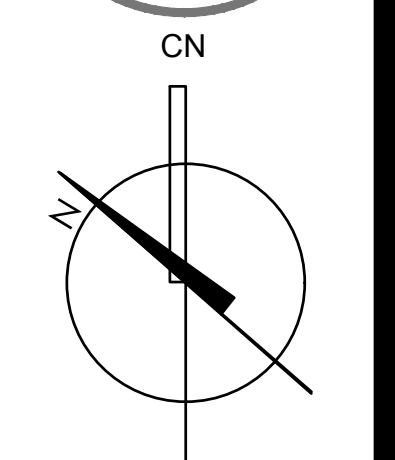


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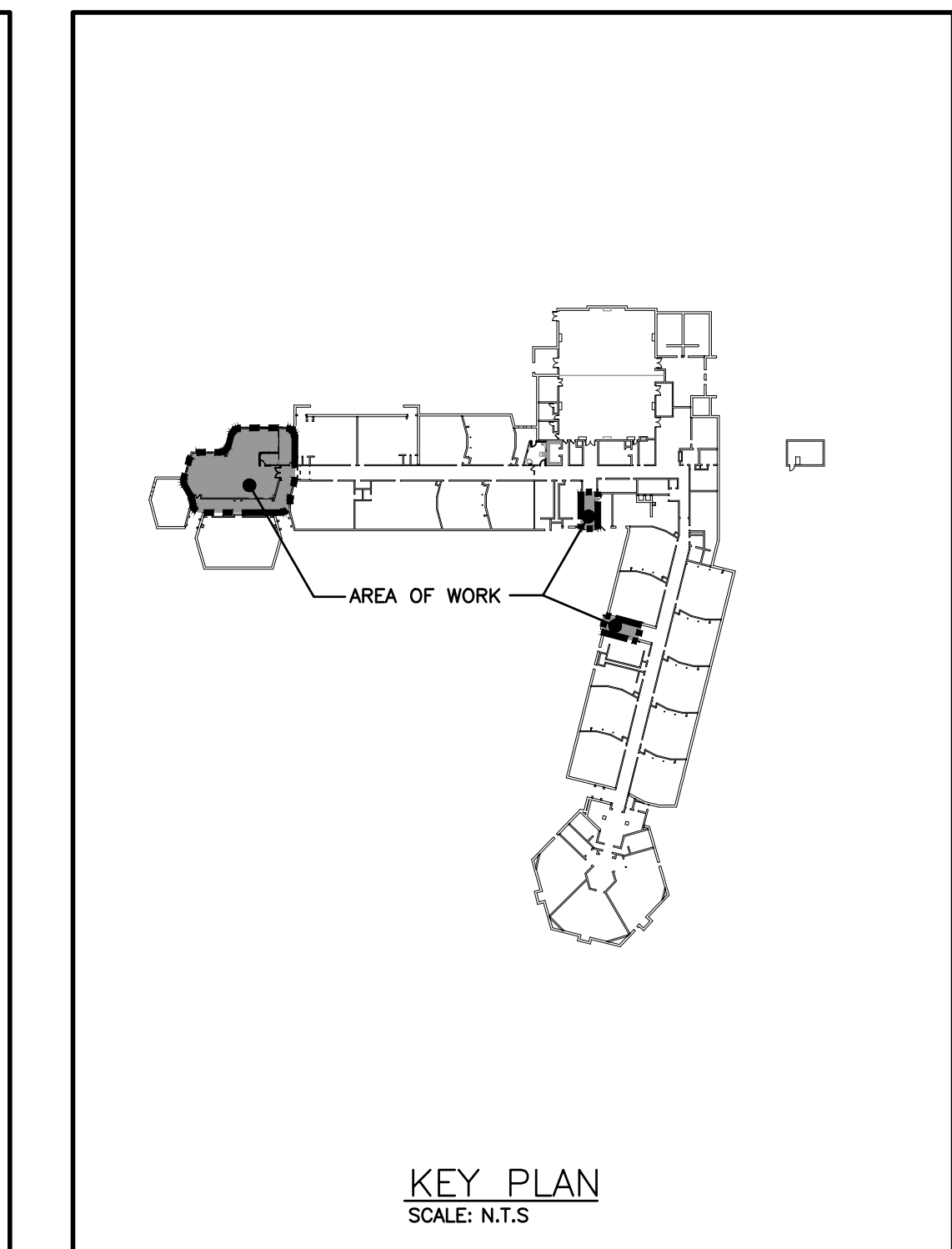
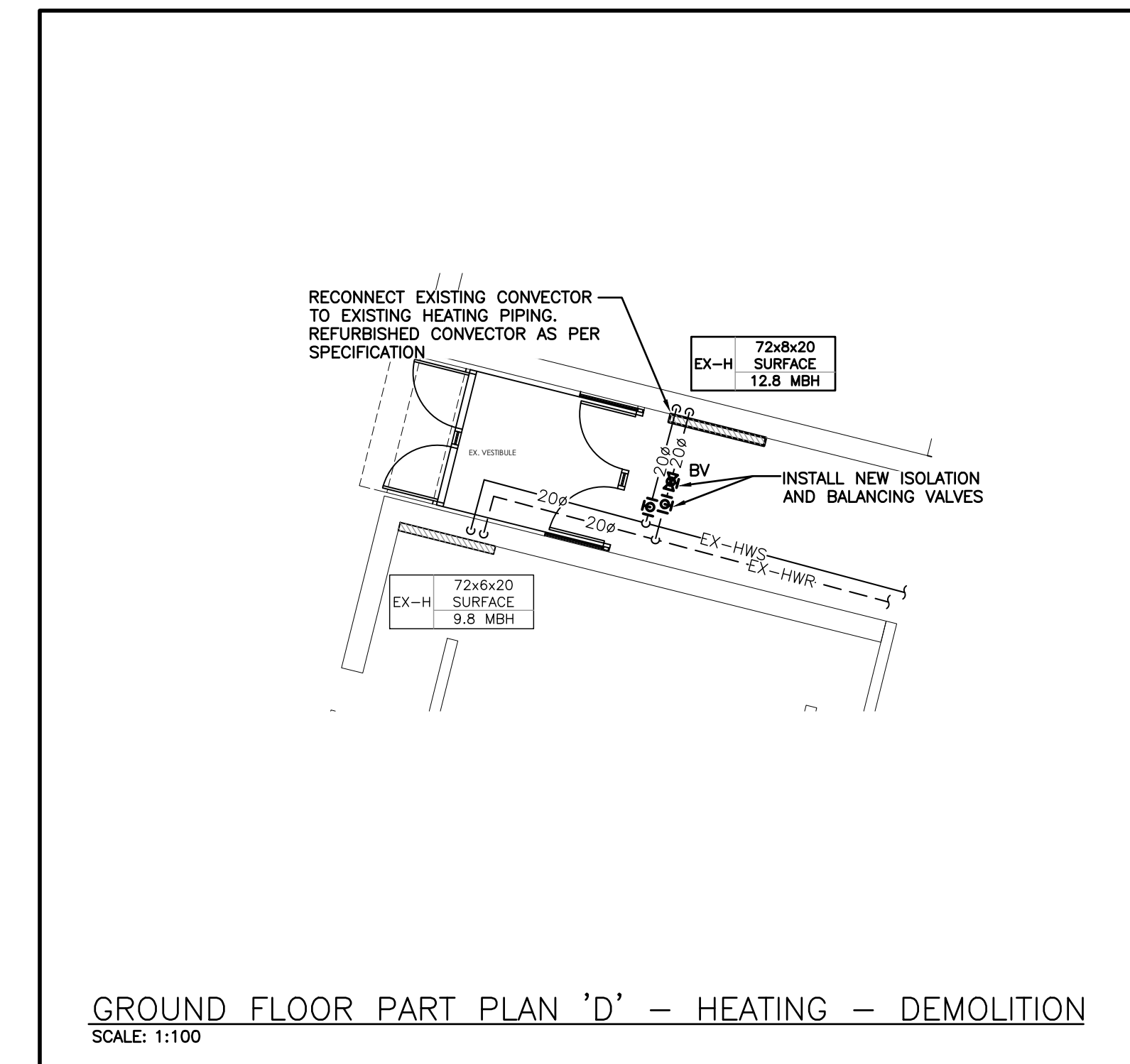
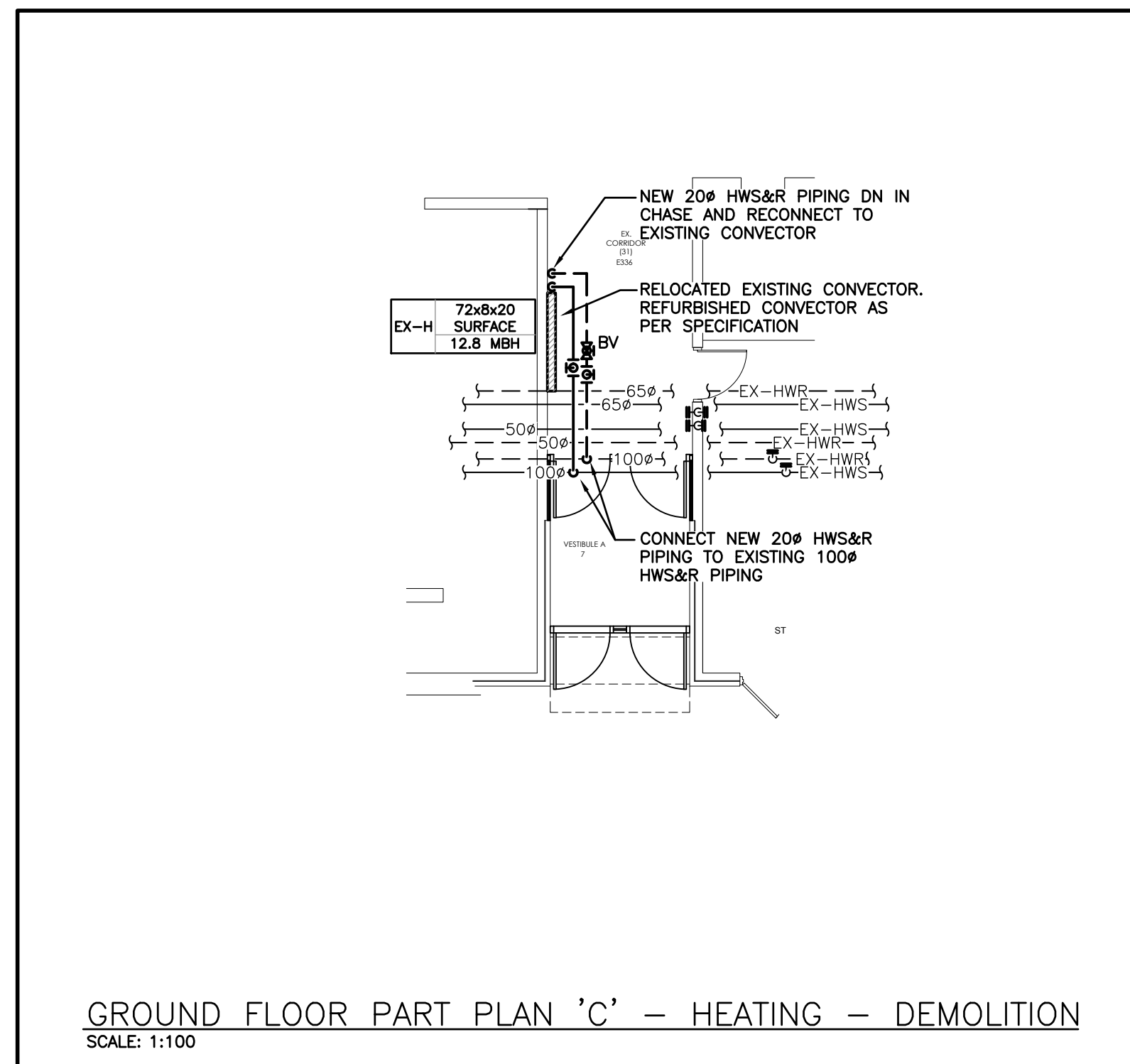
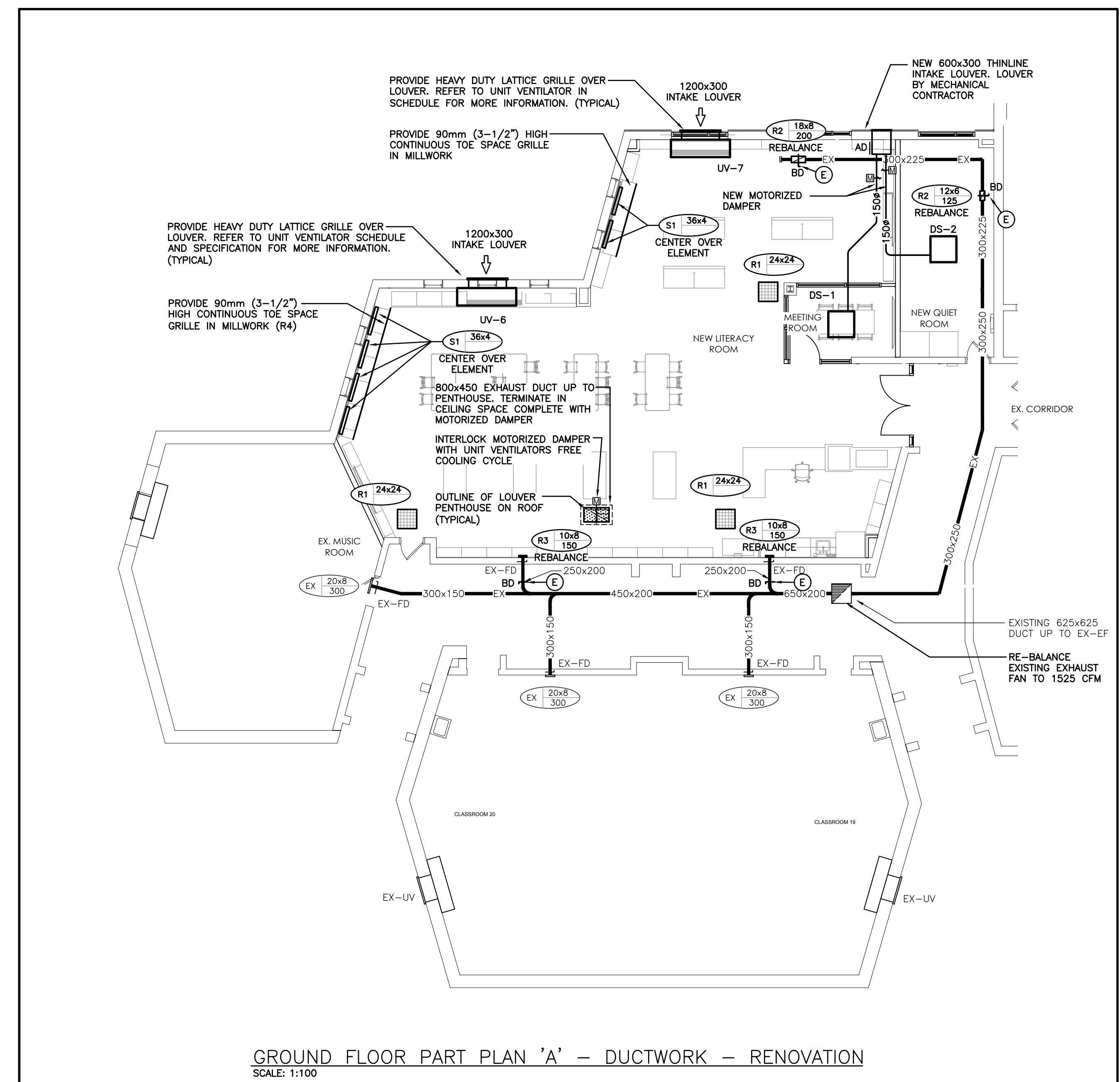
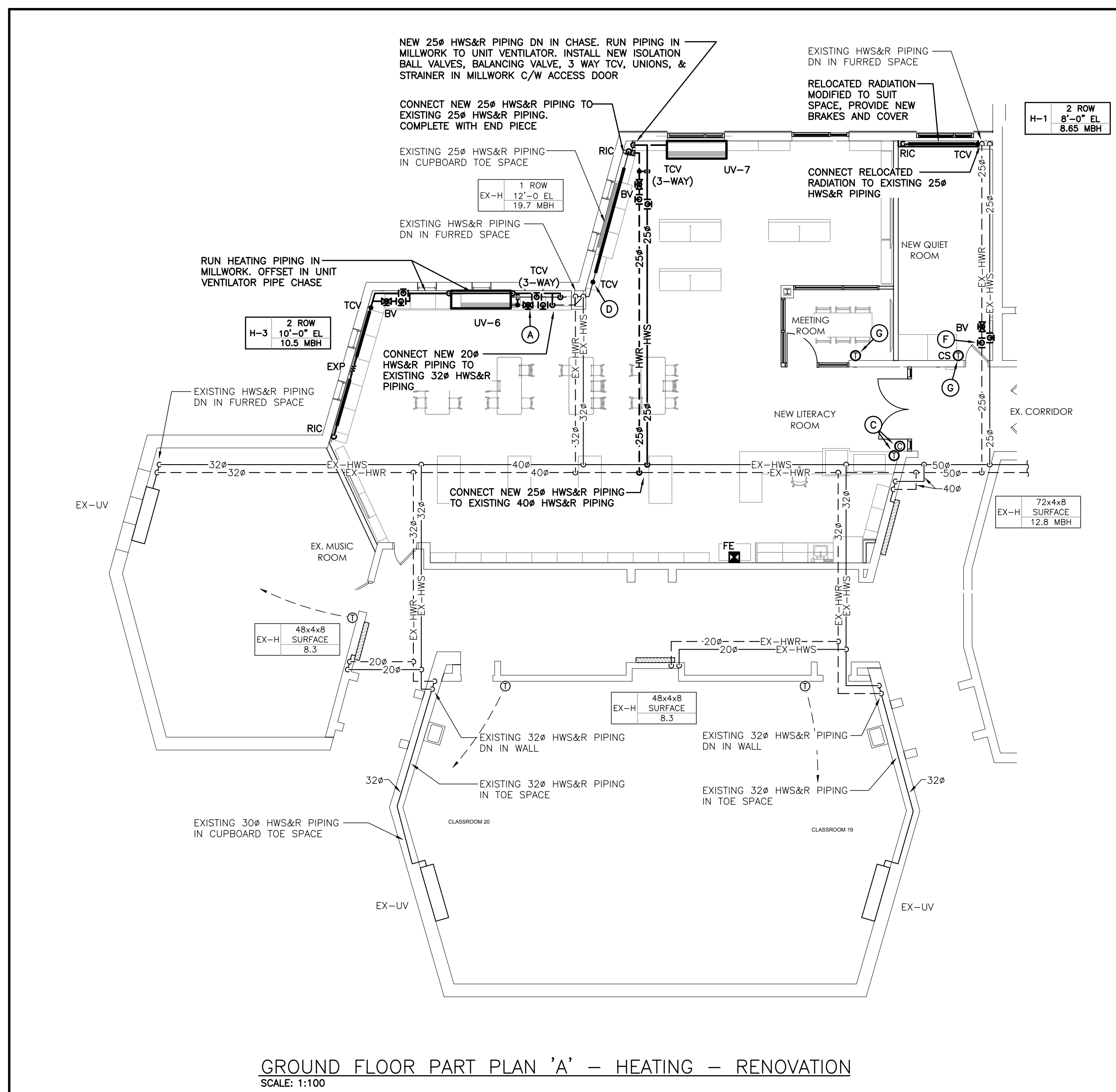
Client: **CRESTVIEW PUBLIC SCHOOL**



M3.2

Drawn by: AP Checked by: SO Scale: As noted

GROUND FLOOR PART PLANS 'A, C AND D' - RENOVATION



- GENERAL RENOVATION NOTES**
- CLEAN AND VACUUM EXISTING DUCTWORK ADJACENT TO NEW CONNECTIONS ± 10'-0" IN EACH DIRECTION.
 - CO-ORDINATE ANY OWSJ BRIDGING RELOCATION OR REMOVAL/REPLACEMENT WITH THE GENERAL CONTRACTOR. PAY ALL COSTS REQUIRED TO MODIFY BRIDGING FOR INSTALLATION OF DUCTWORK.
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 - REFER TO ARCHITECTURAL CEILING PLANS FOR GRILLES/DIFFUSERS LOCATIONS. CO-ORDINATE FINAL LOCATION ON SITE.
 - CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.
- SPECIFIC RENOVATION NOTES**
- CONNECT NEW 25# HWS&R PIPING TO NEW UNIT VENTILATOR C/W NEW ISOLATION BALL VALVES, BALANCING VALVE, 3 WAY TCV, UNIONS, & STRAINER. PROVIDE ACCESS DOOR IN MILLWORK.
 - NEW HWS&R PIPING DN IN CHASE. UTILIZE REAR CHASE TO UNIT VENTILATOR CHASE AS REQUIRED TO SUIT PIPING CONNECTION LOCATION
 - NEW DDC THERMOSTAT/SENSOR, CO² & CONTROL WIRING. FISH EXISTING WALL AS REQUIRED FOR NEW CONTROL WIRING.
 - INSTALL NEW ISOLATION BALL VALVES TEMPERATURE CONTROL AND BALANCING VALVE SERVING EXISTING RADIATION. PROVIDE NEW ACCESS DOOR.
 - PROVIDE BALANCING DAMPERS ON EXISTING DUCTWORK IF NOT PRESENT. REFER TO IDENTIFIED PRICE IN SPECIFICATION.
 - INSTALL NEW ISOLATION BALL VALVES TEMPERATURE CONTROL AND BALANCING VALVE SERVING EXISTING RADIATION.
 - NEW DDC THERMOSTAT/SENSOR & CONTROL WIRING. FISH EXISTING WALL AS REQUIRED FOR NEW CONTROL WIRING.

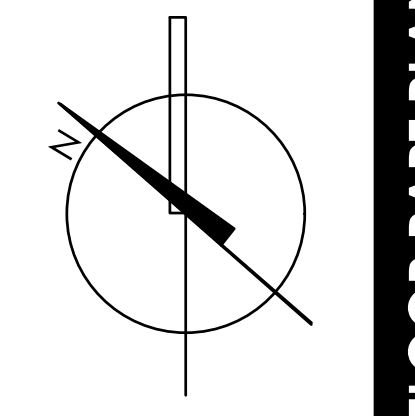
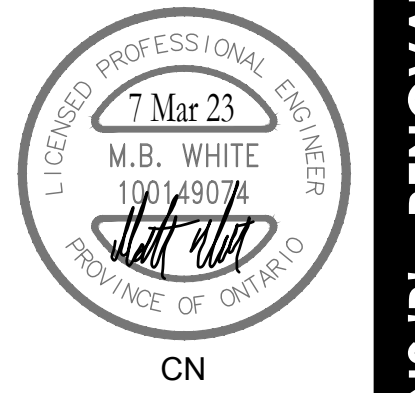
Revision Schedule		
Particular	Date	No.
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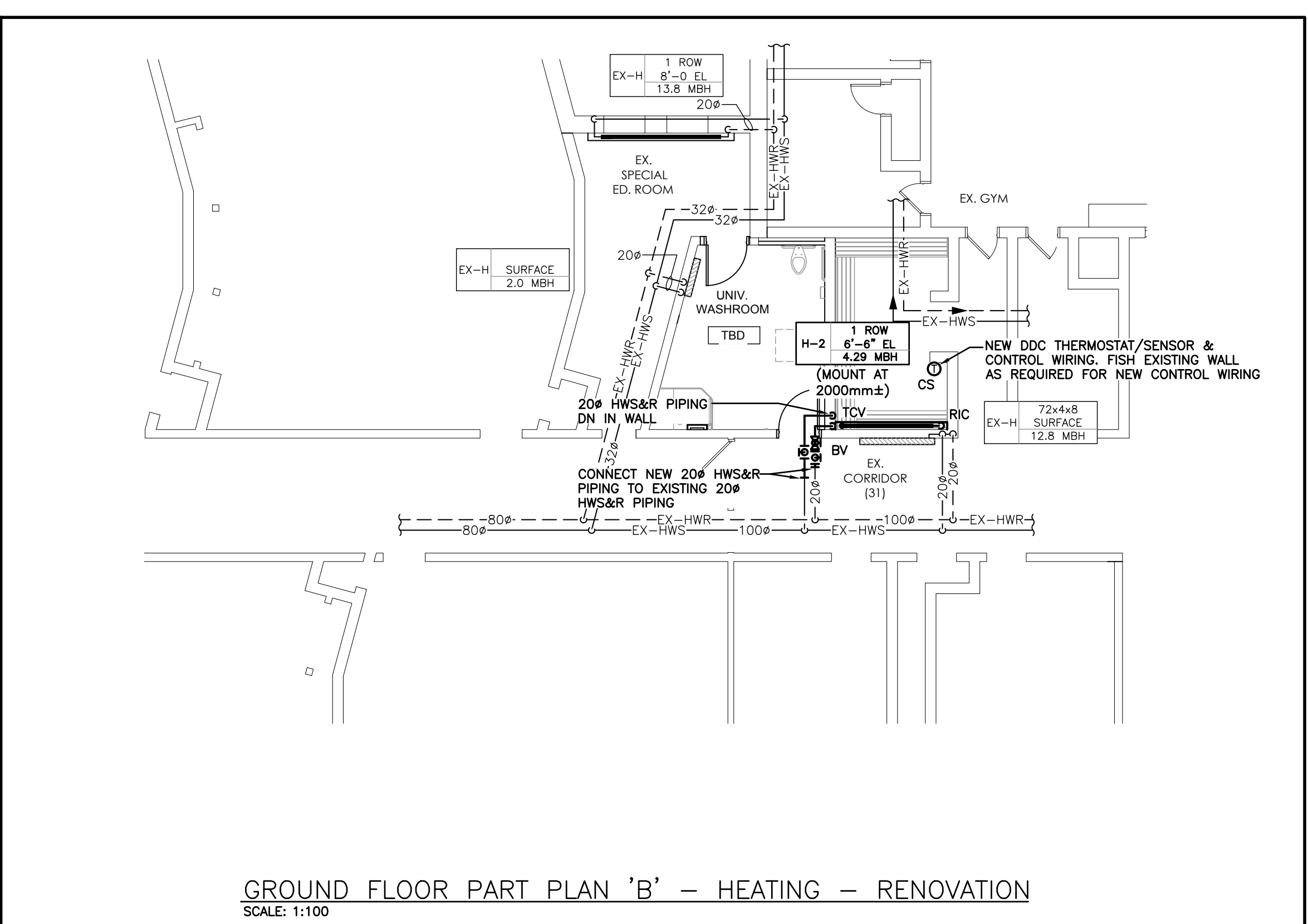
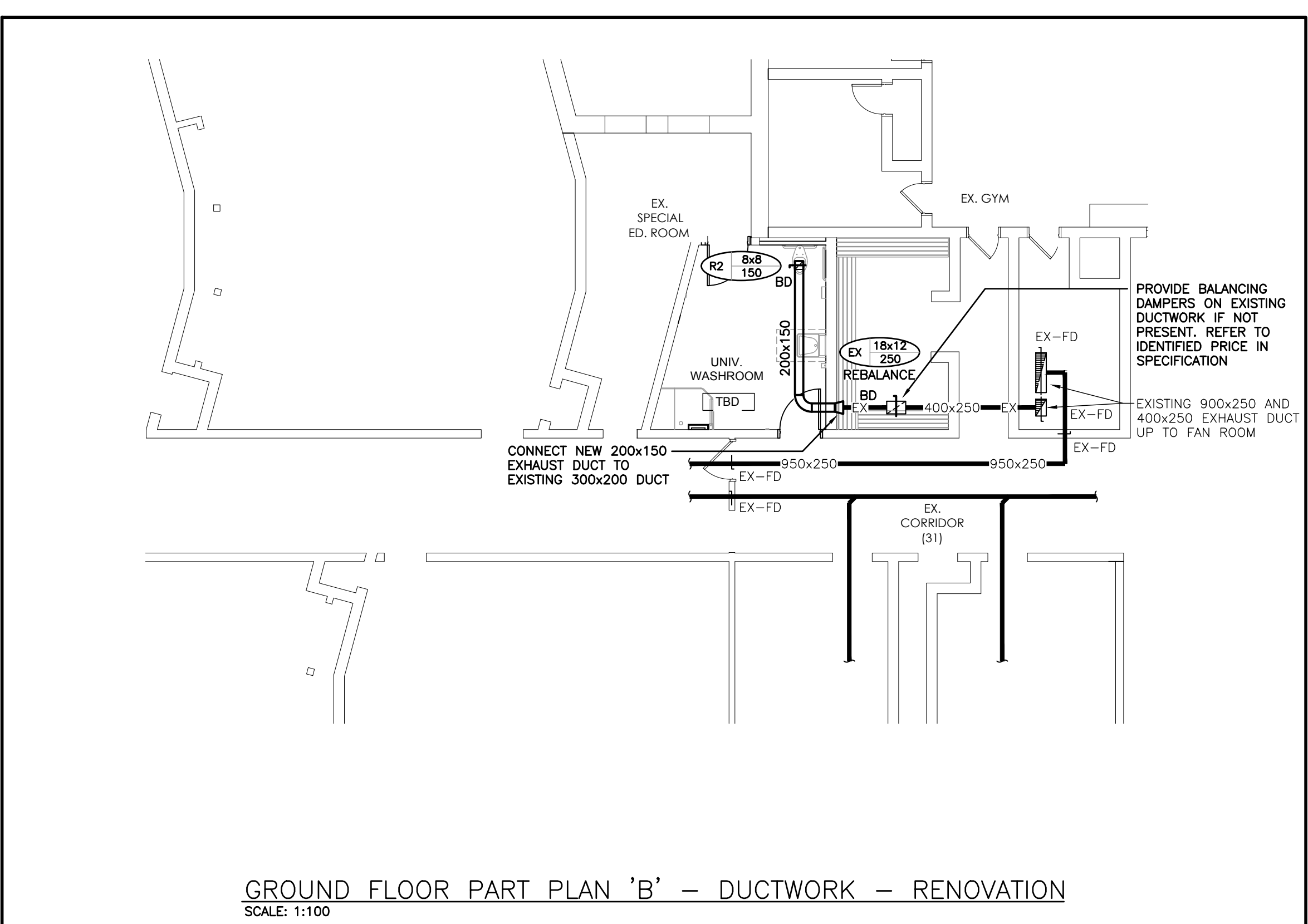
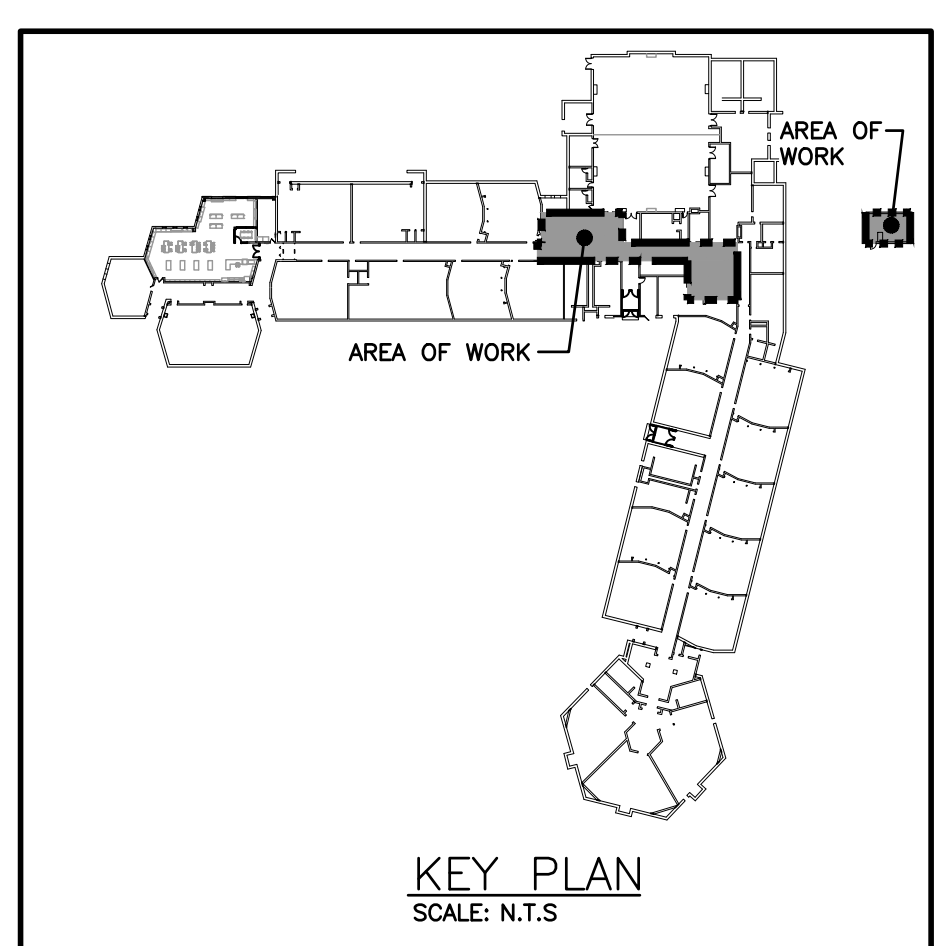
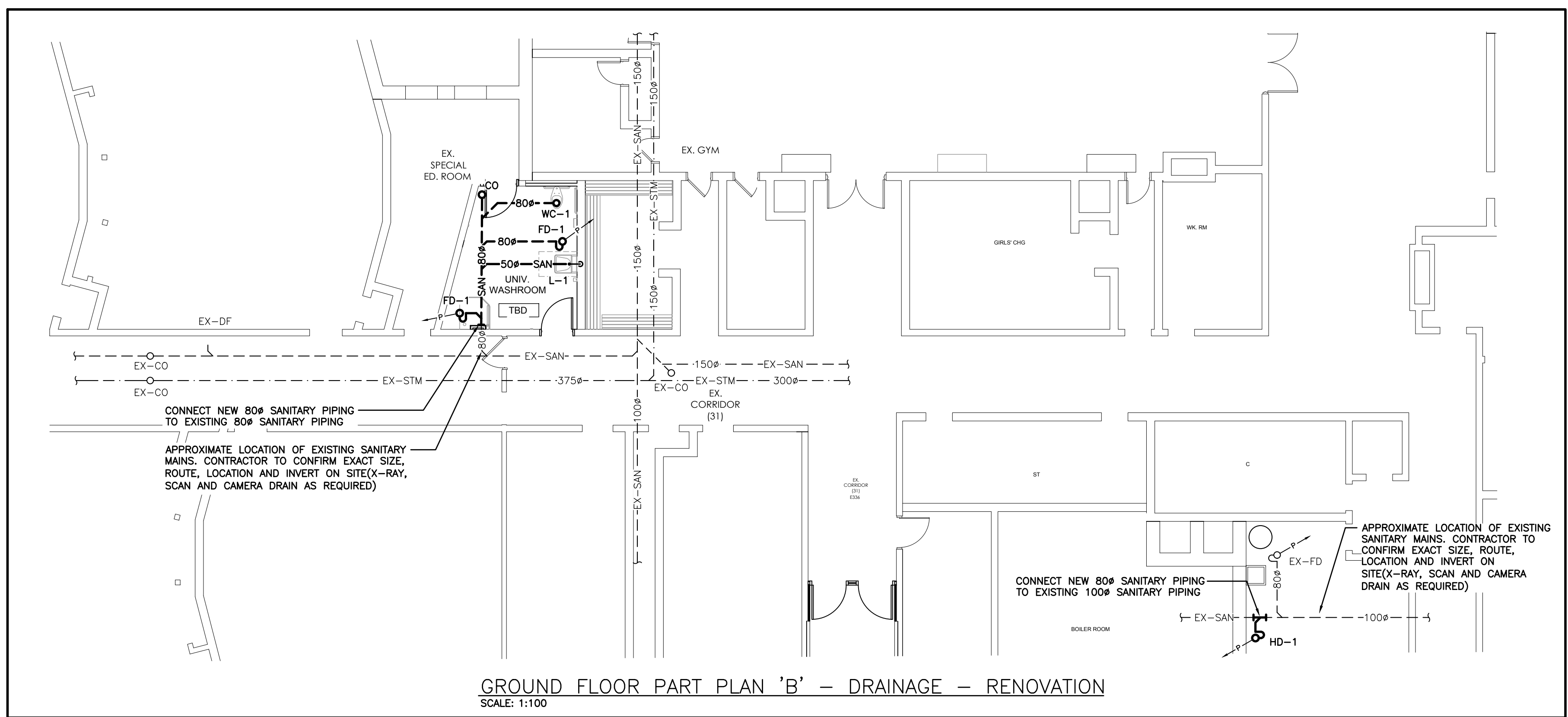
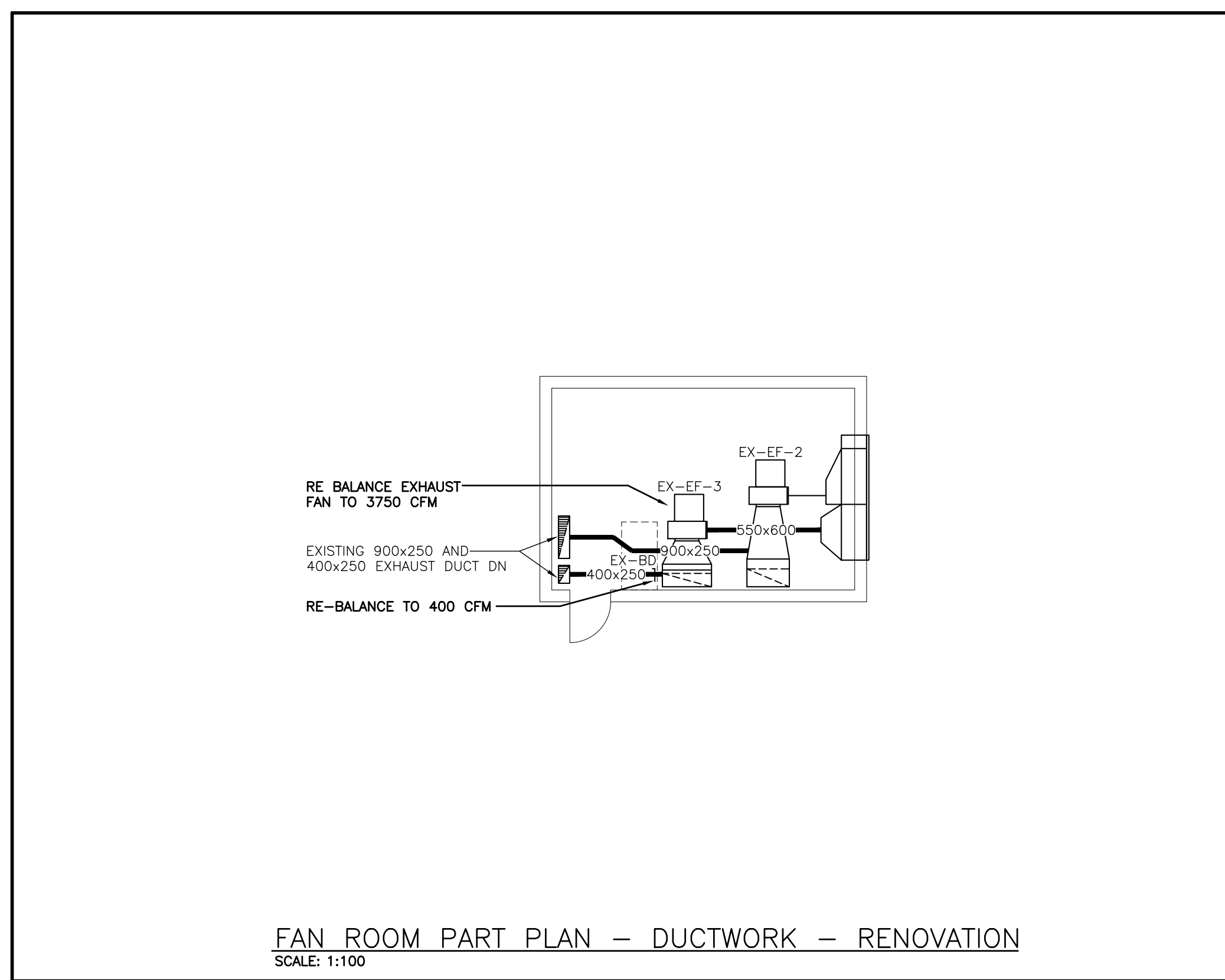
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Project Name: CRESTVIEW P.S. RENOVATION
Project Location: 153 MONTCALM DRIVE KITCHENER, ON N2B 2R6
Project Number: 20298

Client:
 CRESTVIEW PUBLIC SCHOOL



GROUND FLOOR PART PLANS 'B' - RENOVATION



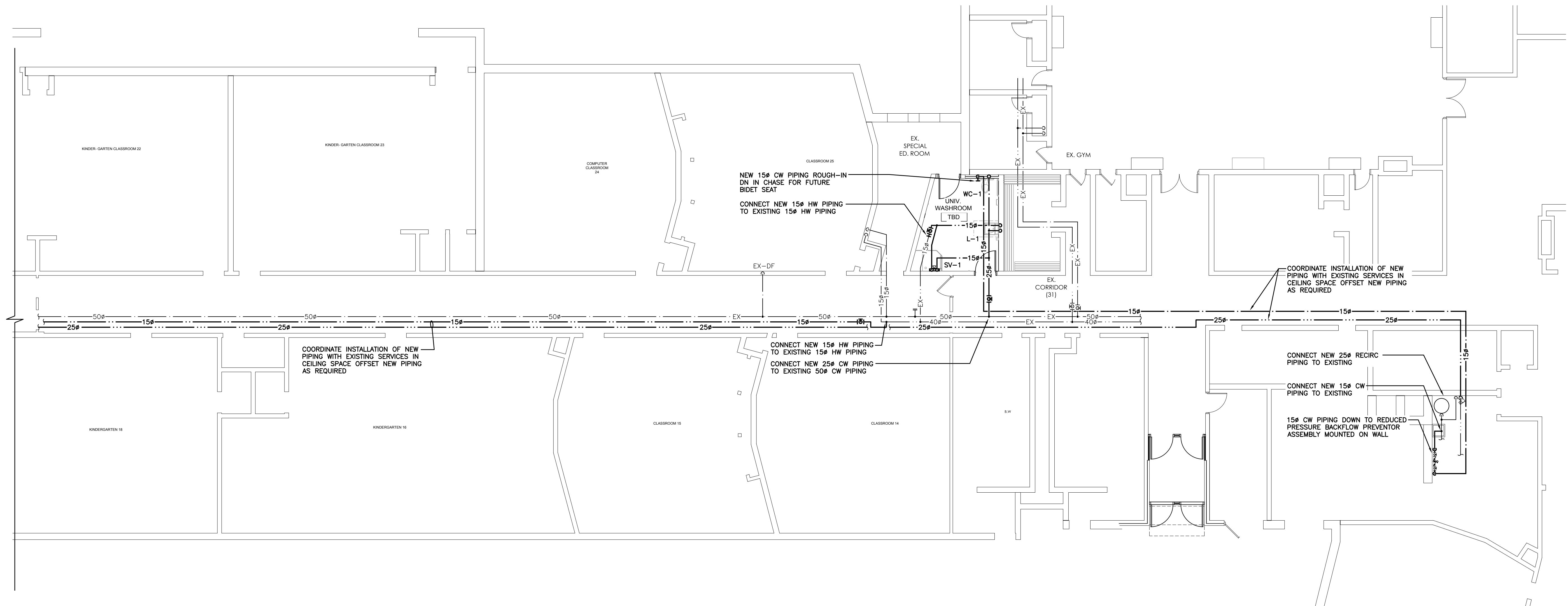
- GENERAL RENOVATION NOTES**
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 - CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.

M3.3

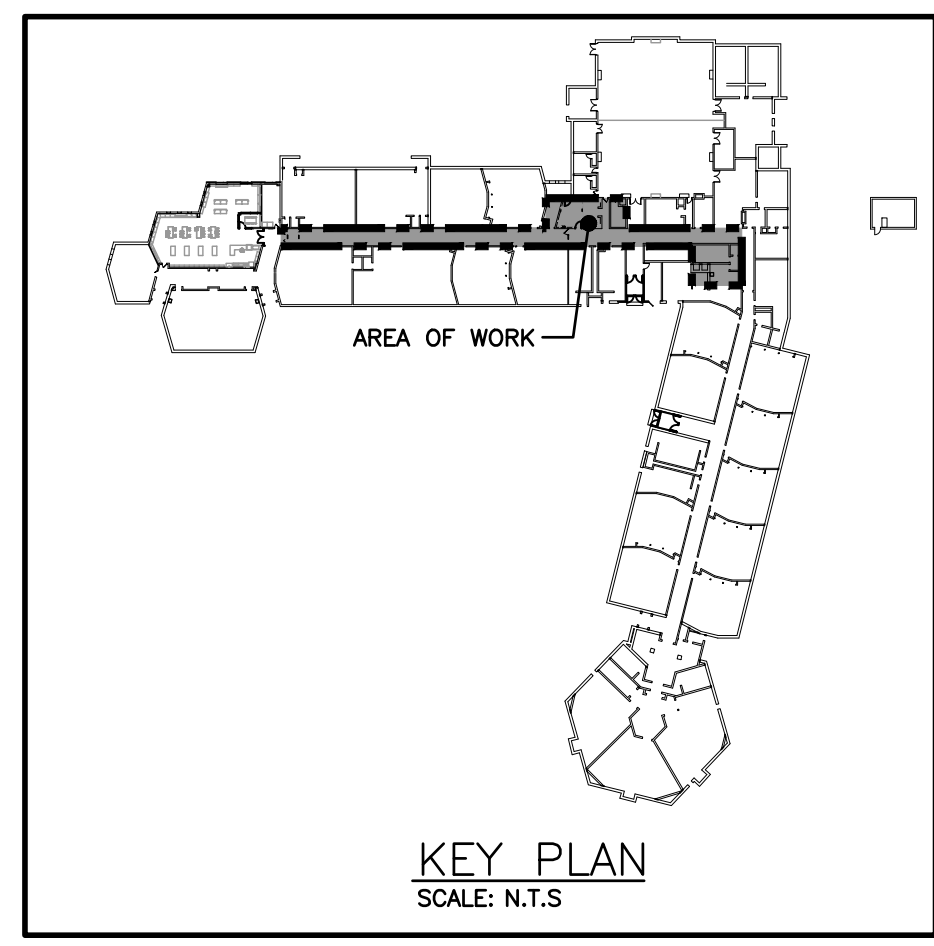
Revision Schedule		
Particular	Date	No.
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GROUND FLOOR PART PLAN 'B' – DOMESTIC – RENOVATION
 SCALE: 1:100



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Project Number: 20298

Client:
 CRESTVIEW PUBLIC SCHOOL

LICENSED PROFESSIONAL ENGINEER
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 M.B. WHITE
 100149074
 PROVINCE OF ONTARIO
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GROUND FLOOR PART PLANS 'B' - RENOVATION

Revision Schedule		
Particular	Date	No.
ISSUED FOR PERMIT AND TENDER	2023.03.07	1

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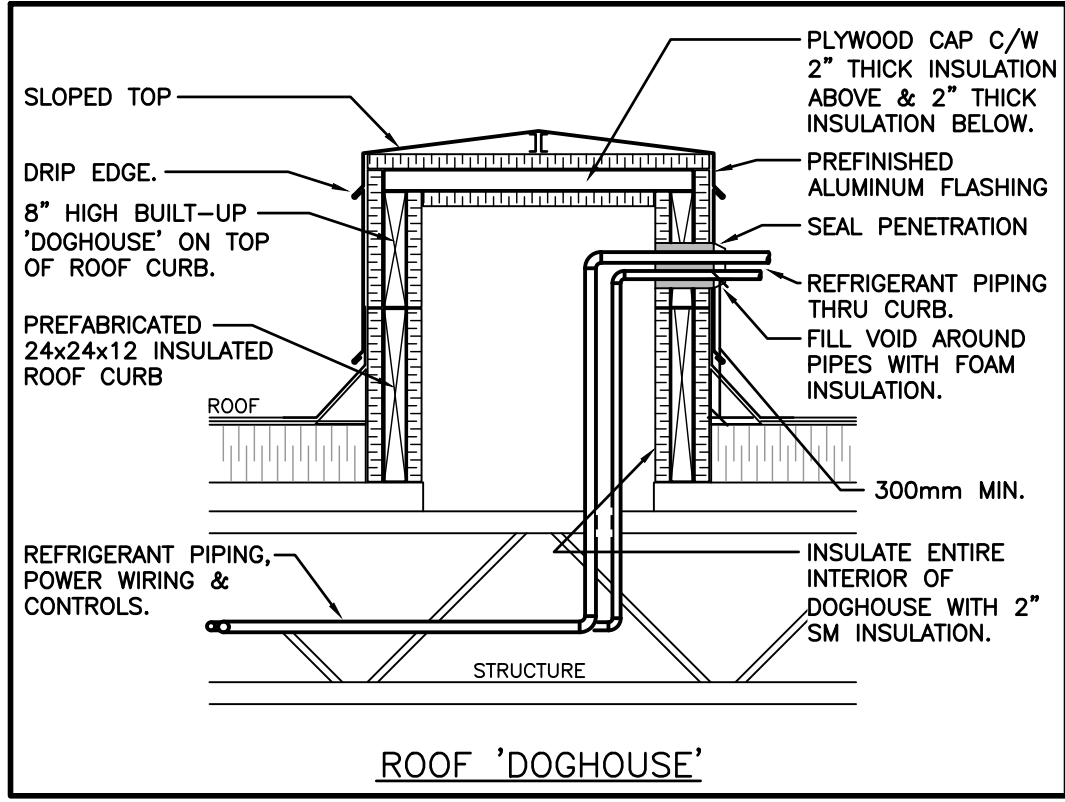
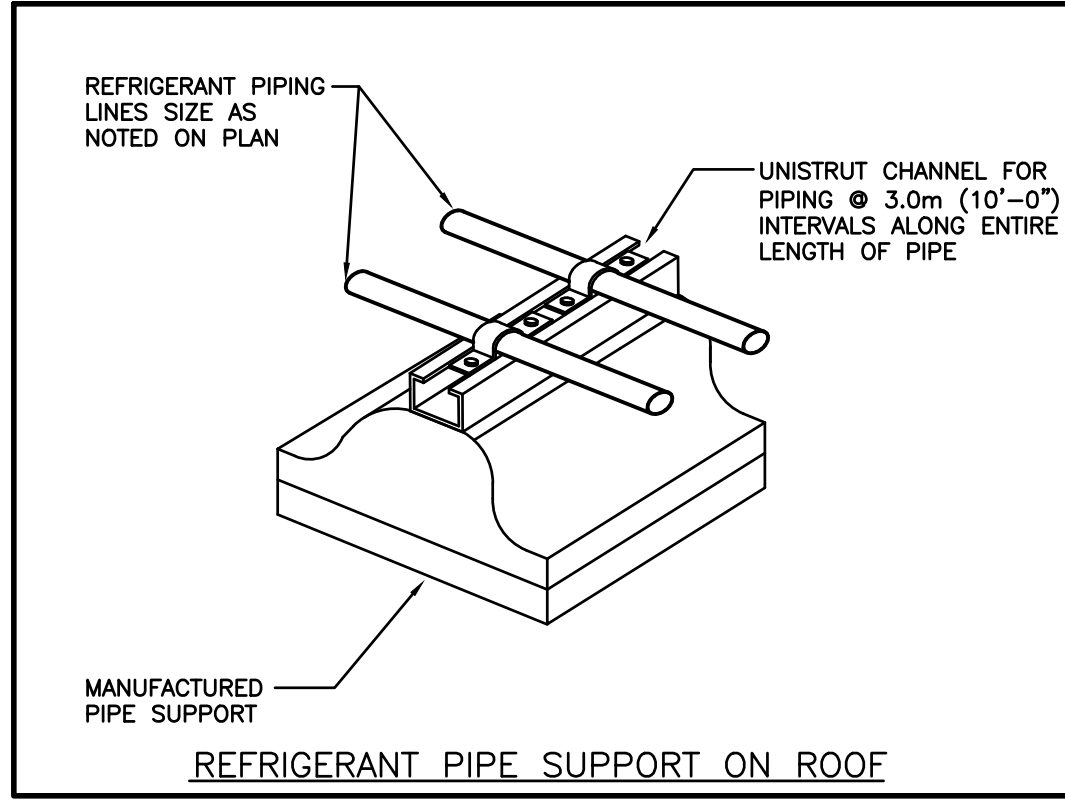
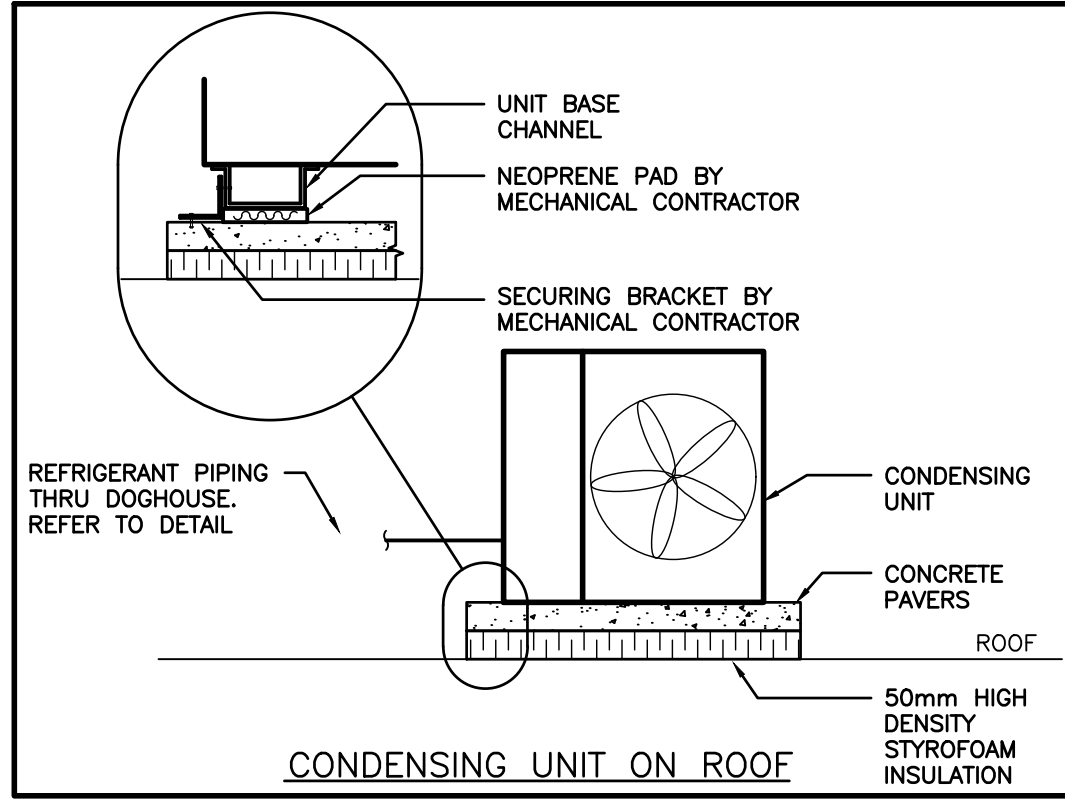
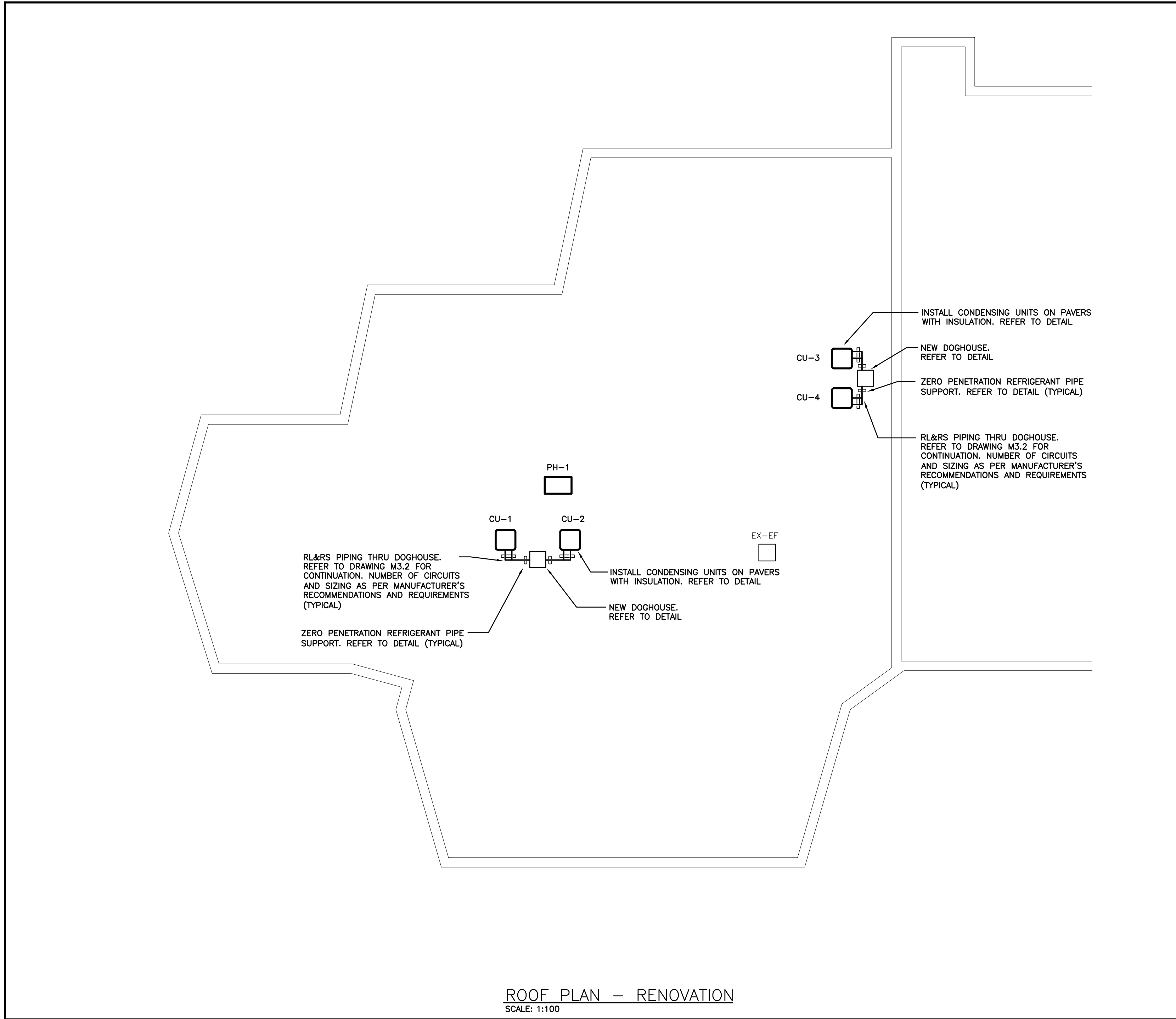
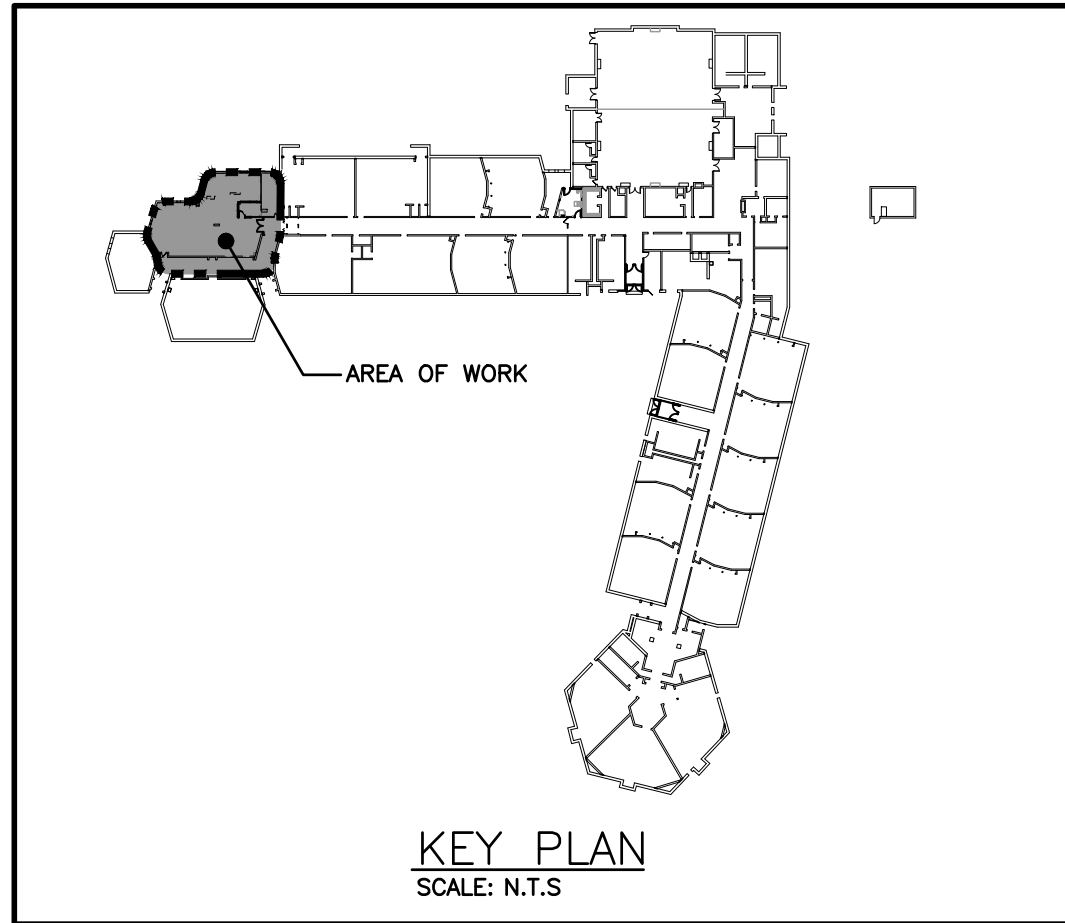
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Project Name: **CRESTVIEW P.S. RENOVATION**

Project Location: **153 MONTCALM DRIVE KITCHENER, ON N2B 2R6**

Project Number: **20298**

Client: **CRESTVIEW PUBLIC SCHOOL**



GENERAL NOTES

- MAINTAIN MINIMUM 3700mm (12'-0") LATERAL DISTANCE BETWEEN SANITARY VENTS AND ALL AIR INTAKE/EXHAUST OPENINGS.
- ALL EQUIPMENT SHALL BE MINIMUM 3.0M FROM EDGE OF ROOF.

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