

UNIT VENTILATOR SCHEDULE

Item	Type	Capacity		Min. O.A. Position (cfm)	ESP 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 Mwh	Sens. Cap Mwh	Voltage				MCA	MOCP
UV-1	HORIZONTAL UNIT VENTILATOR	4.0	1500	150	0.3	1/3	WATER	2	150	130	118.8	12	DX	52.0	-	120/1/60	6.3	15	DAIKIN	UAVSK-H15	3-SPEED ECM MOTOR, FACE & BYPASS HEATING COIL, 3-WAY VALVE AT HEATING COIL, DX COIL WITH TXV BYPASS (TO SUIT HEAT PUMP OPERATION), 250MM INSULATED REAR CHASE, DIGITAL READY CONTROLS PACKAGE, REAR ON 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 & KICKPLATE (CONFIRM 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, SET FAN TO MEDIUM SPEED. PROVIDE A DECORATIVE EXTERIOR ALUMINIUM WALL GRILLE CONSTRUCTION OF HEAVY GAUGE ALUMINIUM W/ RECTANGULAR PUNCHED HOLES TO MATCH LOUVER BLADES SPACING TO MAXIMIZE THE AIR OPENING. PROVIDE EXTENDED BASE TO ENSURE TOP OF UNIT VENTILATOR IS FLUSH WITH TOP OF ADJACENT MILLWORK.

* 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. EXISTING UNITS CAN REMAIN IN PLACE UNTIL NEW UNITS DELIVERED TO SITE.
 SHOP DRAWING SUBMISSION/UNIT DELIVERY REQUIREMENTS
 - SHOP DRAWINGS SHALL BE SUBMITTED TO THE CONSULTANT WITHIN ONE (1) WEEK 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.

AIR COOLED CONDENSING UNIT SCHEDULE

Item	Type	Tons	Capacity MBH	Compressor			Refrig.	Sat. Suction Temp °F	No. of Cond. Fans	Electrical			Unit Weight lbs	Manufacturer	Model	Remarks
				Type	No.	No. Stages				Voltage	MCA	MOCP				
CU-1	OUTDOOR ROOF MOUNTED	4.0	45.5	SCROLL	1	1	R32	52	1	208/1/60	25.5	40	325t	DAIKIN	DH4SEA4810	PROVIDE CONTINUOUS SUPPORT AS PER DETAIL. CONNECT TO UV-1.

* ACCEPTABLE MANUFACTURERS: DAIKIN, TRANE, MITSUBISHI
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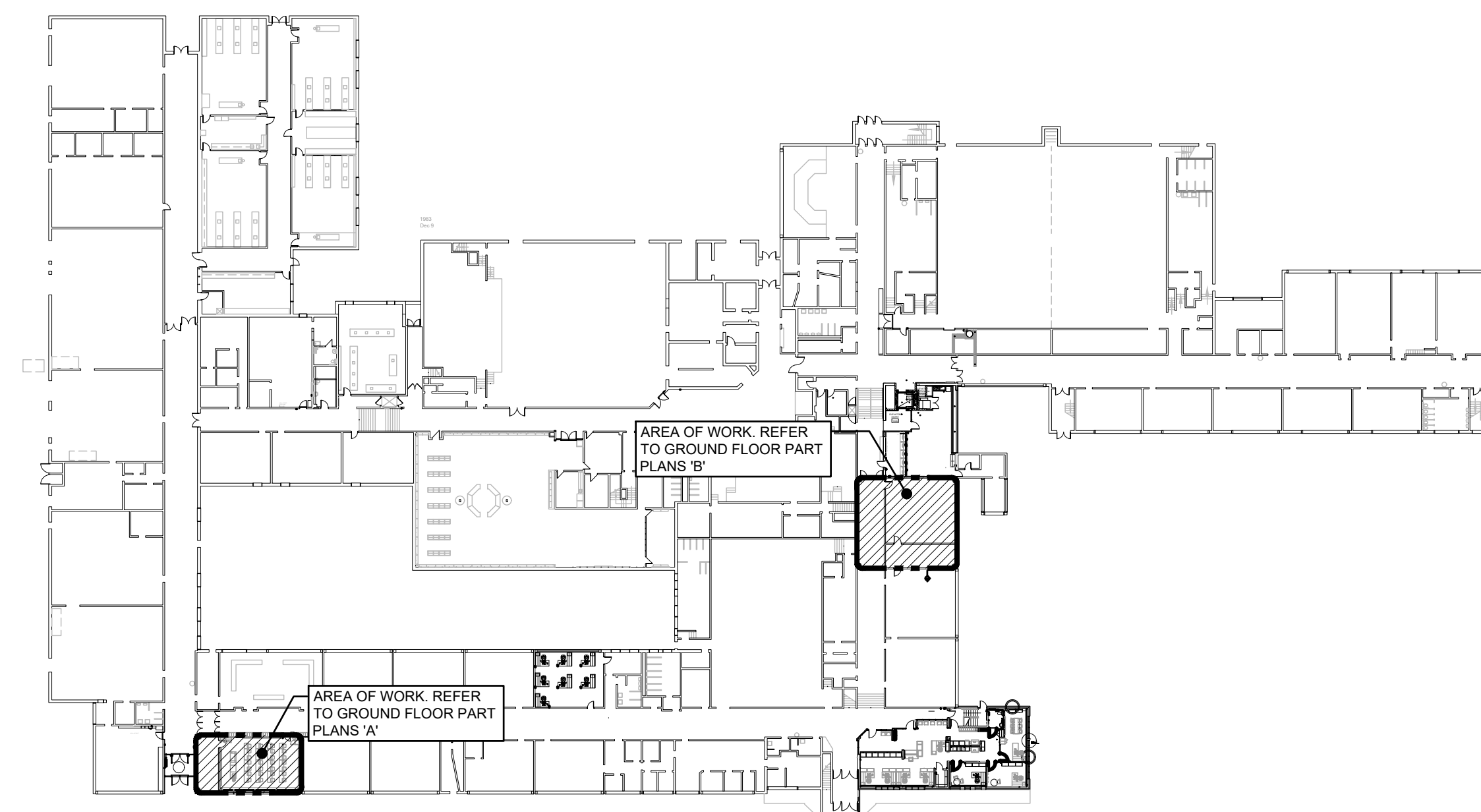
MECHANICAL LEGEND

Item	Description	Item	Description	Item	Description
-----	ITEM TO BE REMOVED	┌┐	TEE CONNECTION		SUPPLY AIR DUCT
┌┐	CUT EXISTING & CONNECT NEW PIPING	└└	PIPE DOWN		RETURN/EXHAUST AIR DUCT
▶	FLOW DIRECTION	┌	PIPE UP		ACOUSTIC DUCT LINING
┌┐	POTABLE COLD WATER	┌┐	FLEXIBLE CONNECTION		THERMAL INSULATION
┌┐	POTABLE HOT WATER	┌┐	REDUCER/INCREASER		BRANCH LINE SPIN-IN COLLAR C/W BALANCING DAMPER
┌┐	SAN-EX -- EXISTING SAN ABOVE FLOOR	┌┐	UNION	┌┐	BALANCING DAMPER
┌┐	SAN-EX -- EXISTING SAN BELOW FLOOR	┌┐	STRAINER	┌┐	BDD BACKDRAFT DAMPER
┌┐	SAN -- SANITARY ABOVE FLOOR	┌┐	VACUUM BREAKER	┌┐	OPPOSED BLADE DAMPER
┌┐	SAN -- SANITARY BELOW FLOOR	┌┐	SCREWED OR WELDED PIPE CAP		MOTORIZED DAMPER
┌┐	CD CONDENSATE DRAIN	┌┐	PLUG VALVE	┌┐	FIRE DAMPER
┌┐	V -- VENT	┌┐	BALL VALVE	┌┐	FIRE/SMOKE DAMPER
┌┐	SP SPRINKLER	┌┐	AIR VENT	┌┐	RECTANGULAR DUCTWORK
┌┐	HWS HEATING WATER SUPPLY	┌┐	VALVE ON RISER	┌┐	RIGID ROUND DUCT
┌┐	HWR HEATING WATER RETURN	┌┐	BALANCING VALVE	┌┐	FLEXIBLE ROUND DUCT
┌┐	NATURAL GAS	┌┐	2-WAY TEMPERATURE CONTROL VALVE	┌┐	ACOUSTICAL, FLEXIBLE ROUND DUCT
┌┐	RL REFRIGERANT LIQUID	┌┐	3-WAY TEMPERATURE CONTROL VALVE		DIFFUSER/GRILLE SIZE (imp), TYPE & CAPACITY (cfm)
┌┐	RS REFRIGERANT SUCTION	┌┐	RECESSED CABINET MOUNTED FIRE EXTINGUISHER		HYDRONIC HEATING SIZE, TYPE & CAPACITY
┌┐	FD FLOOR DRAIN	┌┐	WALL MOUNTED FIRE EXTINGUISHER	┌┐	ACCESS DOOR
┌┐	TRAP PRIMER	┌┐	FIRE BLANKET IN CABINET MOUNTED ON WALL	┌┐	EXPANSION JOINT
┌┐	FLOOR CLEANOUT	┌┐	THERMOSTAT (WITH GUARD WHERE INDICATED)	┌┐	RETURN IN CABINET
┌┐	LINE CLEANOUT	┌┐	CO2 SENSOR (WITH GUARD WHERE INDICATED)	┌┐	ABOVE FINISHED FLOOR
		┌┐	TURNING VANES	┌┐	ABOVE FINISHED ROOF
				┌┐	EXISTING DUCT (SIZE AS INDICATED)
					TRANSFER DUCT (SIZE AS INDICATED)

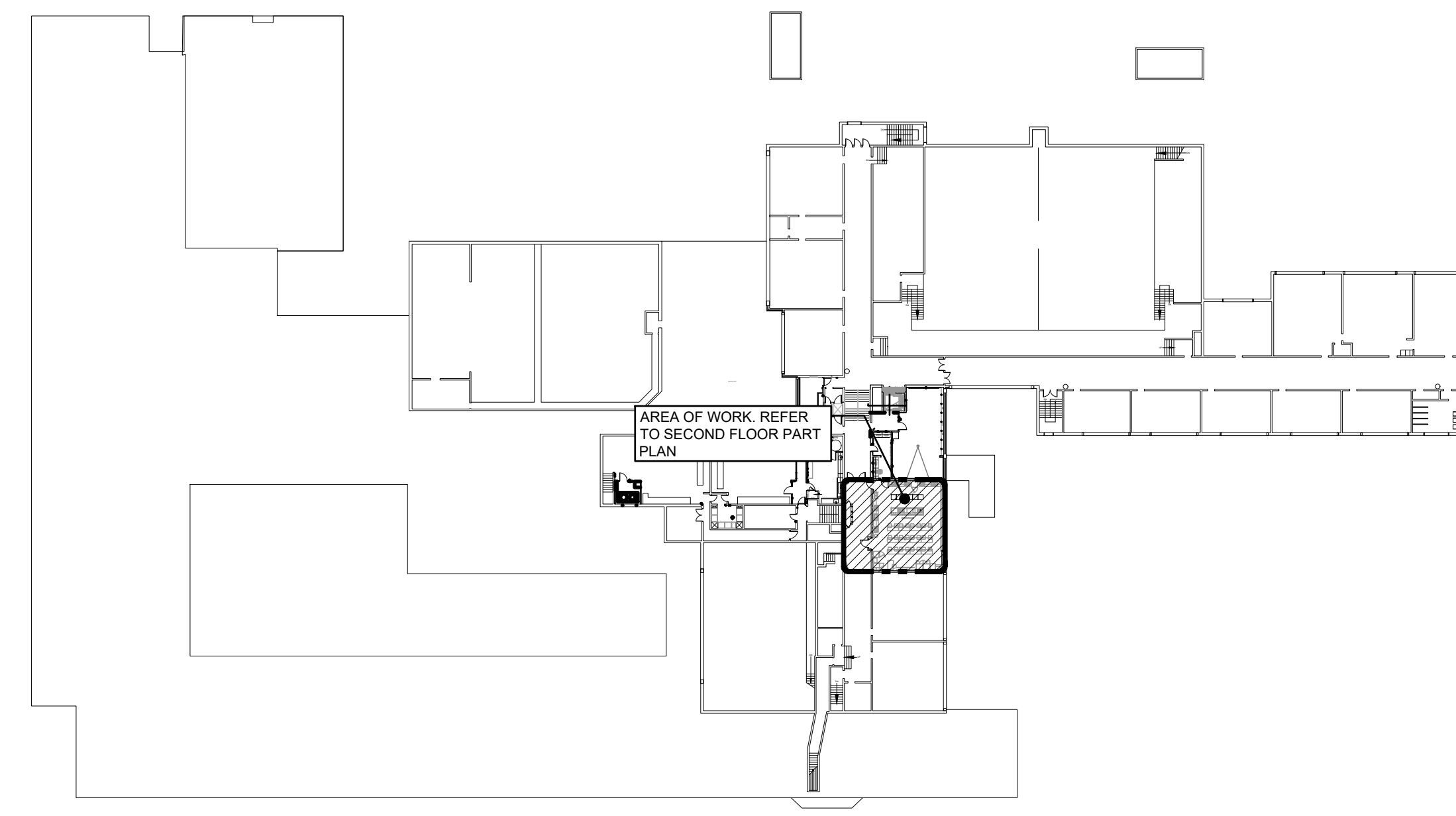
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GROUND FLOOR



SECOND FLOOR

KEY PLAN
 SCALE: NTS

No.	Revision	Date
A	Issued for Addendum 01	2026.04.24

No.	Issue	Date
1	Issued for Permit & Tender	2026.04.02
2	Issued for Construction	2026.06.05

project
 WRDSB PRESTON HIGH SCHOOL RENOVATIONS

WATERLOO REGION DISTRICT SCHOOL BOARD
 550 ROSE ST. CAMBRIDGE, ON N3H 2E6

drawing
 SCHEDULES AND KEY PLAN

drawing scale
 AS NOTED

ward99 project number
 25023 - WRDSB PRESTON FAMILY STUDIES AND CLASSROOM

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FAN SCHEDULE								CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.	
Item	Type	Capacity (cfm)	ESP (in wc)	Fan Speed (rpm)	Motor		Acceptable Manufacturer	Remarks	
					hp	Voltage			
EF-1	RANGEHOOD (DUCTED)	240	0.2	3 SPD	Fhp	120/160	BROAN BKDF130SS	CONTOURED STEEL HOUSING, FULLY ENCLOSED BOTTOM, TOP DISCHARGE, CENTRIFUGAL BLOWER WHEELS, WASHABLE ALUMINUM FILTERS, 3 SPEED BLOWER CONTROL, PROVIDE 2 LEVEL LED LIGHTING, COLOUR SELECTED BY CONSULTANT.	
EF-2	ROOF EXHAUST FAN (KITCHEN HOOD)	847	0.74	1086	0.50	208/360	COOK CPA VF	SPUN ALUMINUM MOTOR COVER & FAN SHROUD, UPPLAST, W/BELT DRIVE CENTRIFUGAL BACKWARD INCLINED NON-STICK FAN, GALV BIRD SCREEN, VENTED & INSULATED EXTENDED ROOF CURB & GREASE TRAP. SUITABLE FOR NFPA-96 INSTALLATION.	

GENERAL FAN SCHEDULE NOTES:

- ACCEPTABLE MANUFACTURERS: GREENHECK, PENN-BARRY, COOK, CARNES, ACME, BROAN, DELHI, PANASONIC
- PROVIDE 24" TALL PREFABRICATED, INSULATED ROOF CURB FOR ALL ROOF MOUNTED FANS.

HEATING COMPONENT SCHEDULE								CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.	
Item	Type	Size	Capacity (MBH)	EWT (°F)	LWT (°F)	EAT (°F)	Acceptable Manufacturer & Model	Remarks	
									H-1

GENERAL HEATING COMPONENT SCHEDULE NOTES:

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

EXHAUST HOOD SCHEDULE							
Item	Type	Capacity cfm	SP in wc	Dimensions (inches)	Manufacturer & Model	Remarks	
							NFPA EXHAUST HOOD (NFPA-1)

1. ACCEPTABLE MANUFACTURERS: SPRING AIR/GARLAND/GAYLORD/GREENHECK

PLUMBING FIXTURE SCHEDULE												CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.	
Item	Type	Connection Sizes					Acceptable Manufacturer	Fixture Description	Acceptable Manufacturer	Trim Description	Acceptable Manufacturer	Accessory Description	
		HW	CW	TW	Drain	Vent							
S-1	STAINLESS STEEL SCIENCE SINK (TEACHER)	15	15		40	32	KINDRED LBS6808/315-1/3 NOVANNI 1017/316	SINK: SINGLE COMPARTMENT, LEDGE-BACK, FROM 1.0 mm (20 GAUGE) THICK TYPE 316 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 M6720 ZURN Z82681-6F MOEN COMMERCIAL 8113	FAUCET: CHROME PLATED BRASS, LABORATORY TYPE WITH GOOSENECK SWING SPOUT WITH SERRATED NOZZLE, VACUUM BREAKER, AERATOR, INDEXED HOODED LEVER HANDLES, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 kPa (60 psi).			
S-2	STAINLESS STEEL CLASSROOM SINGLE SINK	15	15		40	32	KINDRED LBS6808-1/3 NOVANNI 10171	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 26T3944-R7 ZURN Z871B4 MOEN COMMERCIAL 8285 & S0030	FAUCET: CHROME PLATED BRASS, WITH 10" GOOSENECK SWING SPOUT, AERATOR, LEVER HANDLES, WASHERLESS CONTROLS, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 5.7 l/min (1.5 gpm) AT 413 kPa (60 psi).		WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT.	
S-3	STAINLESS STEEL DOUBLE SINK	15	15		40	32	KINDRED LBD6408-1/3 NOVANNI 20071	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 (31 1/2" X 20 3/4" X 8").	DELTA 26T3944-R7 ZURN Z871B4 MOEN COMMERCIAL 8285 & S0030	FAUCET: CHROME PLATED BRASS, WITH 10" GOOSENECK SWING SPOUT, AERATOR, LEVER HANDLES, WASHERLESS CONTROLS, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 5.7 l/min (1.5 gpm) AT 413 kPa (60 psi).		WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT.	
EW-1	EYE WASH	15	15		32	32	HAWS 7260BT-7270BT BRADLEY S19-220 GUARDIAN G1750P-TMV	250 MM (10") DIAMETER IMPACT RESISTANT BOWL CHROME PLATED BRASS SPRAY HEADS COMPLETE WITH COVERS, AND WALL MOUNTING BRACKET. TEPID WATER MIXING VALVE MEETING REQUIREMENTS OF ANSI STANDARD Z358.1-2004. MIXING VALVE IS TO PROVIDE WATER TEMPERATURE BETWEEN 15.5°C (60°F) AND 38°C (100°F). 15 MM (1/2") CHROME PLATED BRASS STAY OPEN BALL VALVE COMPLETE WITH PUSH HANDLE.		HAWS TWBS.EWE BRADLEY S19-2000 GUARDIAN G3600	TEMPERING VALVE TO BLEND HOT AND COLD WATER TO DELIVER TEPID WATER. AS REQUIRED BY ANSI Z358.1		
WS-1	WASHER SUPPLY VALVE	15	15				WATTS DWB ZURN WM2961 DELTA	ENCASED WASHING MACHINE VALVE COMPLETE WITH SINGLE LEVER HANDLE VALVE. HEAVY-DUTY MOUNTING STRAPS, KNOCKOUTS FOR A RIGHT OR LEFT MOUNTING, AND A TAILPIECE THAT ADAPTS EASILY TO EITHER ABS OR PVC STANDPIPE.					
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					

GREASE INTERCEPTOR SCHEDULE (HYDROMECHANICAL)							CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.	
Item	Type	Flow Rate (gpm/lpm)	Grease Capacity (lbs/kg)	Dimensions HxWxL (in.)	Acceptable Manufacturer	Remarks		
GI-1	FLOOR MOUNTED GREASE INTERCEPTER	7 (26.4)	31.9 (17.6)	31.2" x 18.5" x 16.5"	CANPLAS ENDURA 3907A02	SUITABLE FOR INSTALLATION IN MILLWORK. 500 (2") INLET AND OUTLET CONNECTION.		
GI-2	FLOOR MOUNTED GREASE INTERCEPTER	10 (37.8)	38 (17.2)	14.5" x 17.5" x 16.3"	CANPLAS ENDURA 3910A02	SUITABLE FOR INSTALLATION IN MILLWORK. 500 (2") INLET AND OUTLET CONNECTION.		
GI-3	FLOOR MOUNTED GREASE INTERCEPTER	25 (95)	72 (32.6)	16.5" x 17.5" x 14.5"	CANPLAS ENDURA 3925XA03	SUITABLE FOR INSTALLATION IN MILLWORK. 500 (2") INLET AND OUTLET CONNECTION.		

GENERAL GREASE INTERCEPTOR SCHEDULE (HYDROMECHANICAL) NOTES:

- ACCEPTABLE MANUFACTURERS: CAN-AQUA, JRC PLASTIC INTERUPTERS AND PIT BOXES, JONESPEC, CONTOUR, ENDURA
- HYDROMECHANICAL TYPE INTERCEPTOR, TESTED AND RATED IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION ACT (EPA). COMPLETE WITH FIRE RESISTANT POLYPROPYLENE CONSTRUCTION FOR MOUNTING FLUSH WITH FLOOR WITH ALUMINUM NON-SKID COVERS ON FLOOR COMPLETE WITH FLOW CONTROL FITTING SUITABLY VENTED, AND EXTENSION.
- THE UNIT SHALL BE ABLE TO TREAT EFFLUENT TO LESS THAN 100 MG/LITRE OF GREASE.

GRILLE SCHEDULE						CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.	
Item	Type	Equalizing Grid	Volume Damper	Acceptable Manufacturer	Description		
D1	SQUARE CEILING DIFFUSER	NO	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.		
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	SIDEWALL RETURN GRILLE	NO	NONE	EH PRICE 70-FLA	FIXED BLADE AT 45°, 1/2" SPACING, EXTRUDED ALUMINUM BLADES PARALLEL TO LONG DIMENSION, C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING.		

GENERAL GRILLE SCHEDULE NOTES:

- ACCEPTABLE MANUFACTURERS: EH PRICE, NAILOR, TITUS, KRUEGER, CARNES, METALAIR.
- GRILLE COLOURS ARE SELECTED BY ARCHITECT FROM STANDARD COLOUR CHART, UNLESS OTHERWISE NOTED.
- PAINT INTERIOR OF DUCTWORK BEHIND GRILLE MATTE BLACK (WHERE VISIBLE THRU GRILLE).

LOUVERED PENTHOUSE SCHEDULE							
No.	Type	CFM	SP	Throat in.	Dimensions (LxWxH) in.	# of Louvers	Remarks
PH-1	EXHAUST	1280	0.03	32x20	40x28X20	2	MITRED CORNERS, STORMPROOF BLADES, PROVIDE ROOF CURB HEIGHT SUCH THAT BOTTOM LOUVER IS 36" AFR.

GENERAL LOUVERED PENTHOUSE SCHEDULE NOTES:

- STATIC PRESSURE 0.03
- PROVIDE 900mm (36") HIGH ROOF CURB.

MAKE-UP UNIT SCHEDULE													*ESP IS EXTERNAL TO THE CABINET		
Item	Type	Supply Air Fan Data				Electrical Data				HEATING Heating Input (MBH)	Manufacturer	Model	Weight (lbs) (approx.)	Remarks	
		Service	Capacity cfm	Size hp	ESP in wc	Voltage	MCA	MCCP	Min. Position Outdoor Air %						
MUA-1	INDOOR MAKE UP AIR	FAMILY STUDIES 223	804	0.5	0.65"	208/360	2.75	15	100%	GAS	100	SPRING AIR	SFA10-IGOD-1	900L	C/W 600mm HIGH ROOF CURB

1. ACCEPTABLE MANUFACTURERS: SPRING AIR/ ENGINEERED AIR, ICE WESTERN

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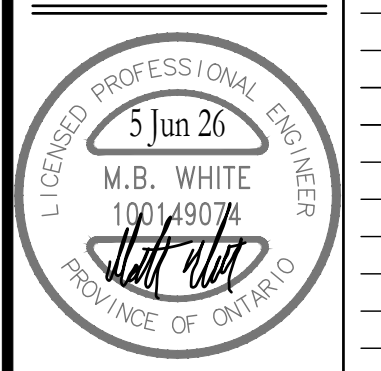
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project
WRDSB PRESTON HIGH SCHOOL RENOVATIONS

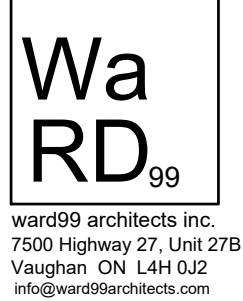
WATERLOO REGION DISTRICT SCHOOL BOARD
550 ROSE ST. CAMBRIDGE, ON, N3H 2E6

drawing
SCHEDULES

drawing scale
AS NOTED

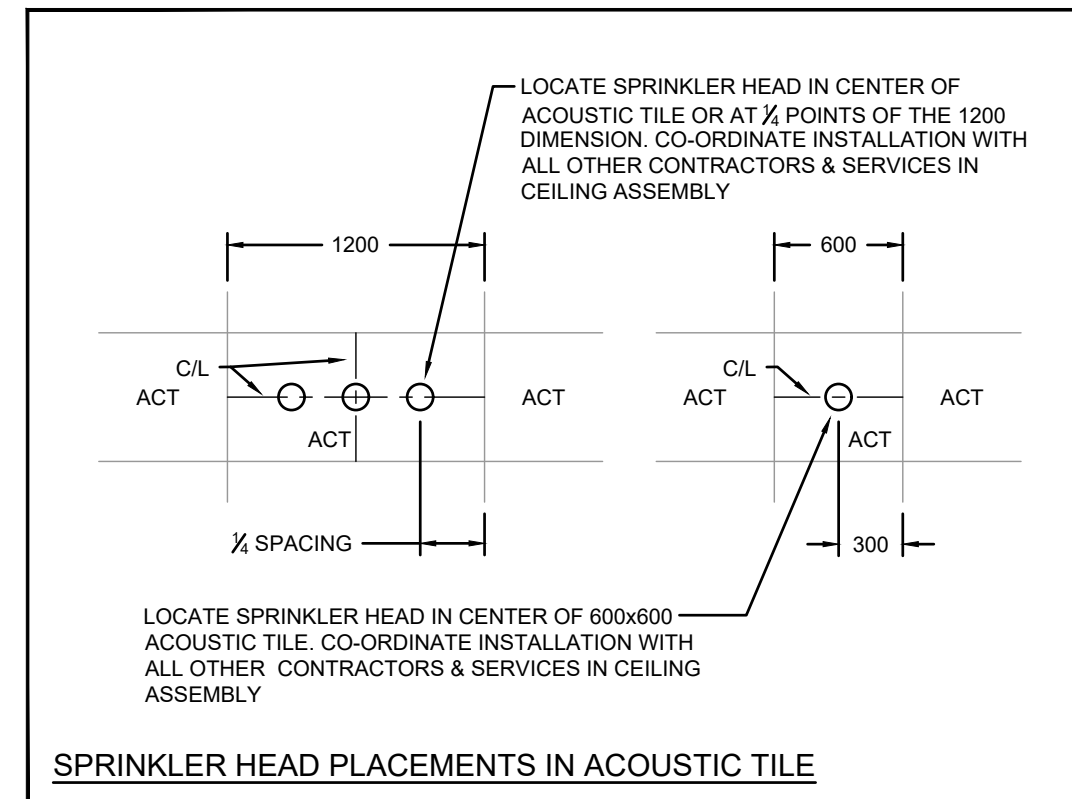
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25023 - WRDSB PRESTON FAMILY STUDIES AND CLASSROOM

ward99 architects | drawing no.



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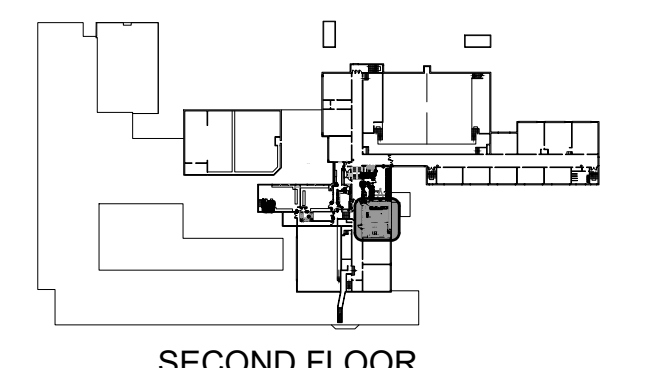
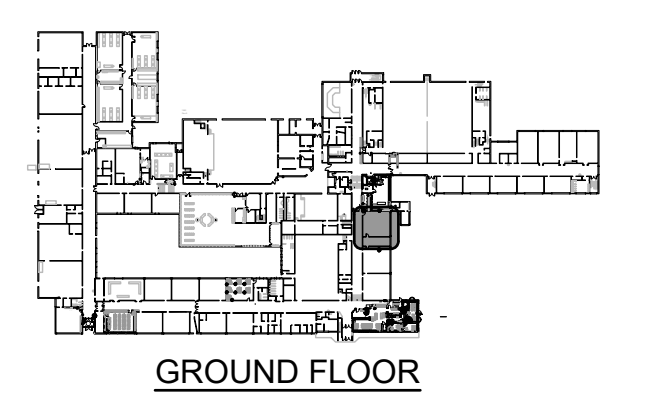
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GENERAL SPRINKLER NOTES

- SUBMIT PRELIMINARY DESIGN & HYDRAULIC CALCULATIONS STAMPED BY A PROFESSIONAL ENGINEER, AND MANUFACTURERS' PRODUCT SHEETS FOR SHOP DRAWING SUBMISSION AS SPECIFIED PRIOR TO COMMENCING WORK.
- ENSURE DESIGN MEETS OR EXCEEDS PRESENT NFPA 13 STANDARDS. ENSURE SPRINKLER SYSTEMS ARE INSTALLED TO NFPA 13 STANDARDS. UPON COMPLETION, SPRINKLER CONTRACTOR TO PROVIDE REPRODUCIBLE DRAWING (AT 1/8"=1'-0" SCALE) AND HYDRAULIC CALCULATIONS OF AS-BUILT CONDITION.
- SPRINKLER CONTRACTORS' PROFESSIONAL ENGINEER TO PROVIDE O.B.C. AND NFPA REQUIRED INSPECTION AND CERTIFICATION.
- REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLAN.
- PROVIDE SPRINKLER HEAD TYPES AS FOLLOWS:
 - PROVIDE UPRIGHT HEADS WITHIN 12" OF EXPOSED DECK THROUGHOUT EXPOSED STRUCTURE AREAS. PROVIDE HEAD GUARDS IN GYM AREAS WHERE HEADS ARE BELOW 8'-0" & STORAGE ROOMS.
 - PROVIDE CONCEALED PENDENT HEADS IN CEILING OF UNSUPERVISED AREAS (CORRIDORS, WASHROOMS). COVER PLATE FINISH SELECTED BY CONSULTANT.
 - PROVIDE SEMI-RECESSED HEADS IN ALL OTHER CEILING AREAS (CLASSROOMS, OFFICES, SEMINAR RMs, etc.). HEAD ESCUTCHEON FINISH SELECTED BY CONSULTANT.
- SPRINKLER HEADS TO BE IN CENTRELINE OF CEILING TILE. MINIMUM 150mm (6") FROM EDGE.
- FINAL NUMBER AND LOCATION OF SPRINKLER HEADS TO BE DETERMINED BY CONTRACTOR'S HYDRAULIC CALCULATIONS AND APPROVED DRAWINGS.
- SPRINKLER PIPING TO BE COORDINATED WITH OTHER SERVICES PRIOR TO INSTALLATION.
- COORDINATE LOCATION OF INSPECTOR'S TEST CONNECTION WITH CONSULTANT PRIOR TO INSTALLATION.
- SPRINKLER CONTRACTOR TO VISIT SITE AND EVALUATE EXISTING CONDITIONS PRIOR TO TENDER CLOSING. INCLUDE ALL MODIFICATIONS IN TENDER PRICE.
- EXISTING SPRINKLER SYSTEM TO BE RENOVATED/MODIFIED TO SUIT NEW LAYOUT. CONTRACTOR IS RESPONSIBLE TO SURVEY EXISTING SYSTEMS FOR CREATION OF SHOP DWGS.
- PROVIDE SPRINKLER HEADS UNDER ALL DUCTWORK AND EQUIPMENT OVER 1200mm WIDE.
- COMMISSIONING OF INTEGRATED TESTING OF FIRE PROTECTION AND LIFE SAFETY SYSTEM.
 - SPRINKLER CONTRACTOR TO PROVIDE SERVICES WITH THE FIRE COMMISSIONING AGENT (FCA) TO MEET THEIR REQUIREMENTS OF ADMINISTRATION, VERIFICATION, AND FINAL SIGNOFF TO THE LOCAL AUTHORITIES AND CONSULTANT. THE FCA IS BEING RETAINED BY THE ELECTRICAL CONTRACTOR, HOWEVER, THIS CONTRACTOR'S WORK TO SATISFY THE FCA REQUIREMENTS SHALL BE INCLUDED IN THE TENDER PRICE.
 - CHECK/TEST: MOVEMENT OF ALL VALVES, CREATE WATER FLOW AT ALL DEVICES TO VERIFY DETECTION AT FIRE ALARM PANEL. OPERATION OF ALL PUMPS &/OR COMPRESSORS.
 - PERFORM ALL WORK IN ACCORDANCE WITH NFPA 13.
 - RETURN SPRINKLER/STANDPIPE SYSTEM TO NORMAL OPERATION ON COMPLETION OF TESTING

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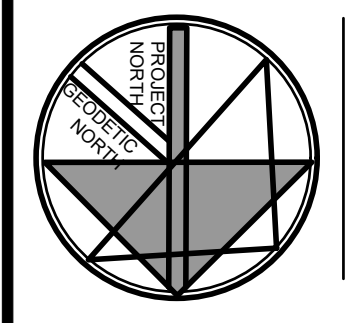
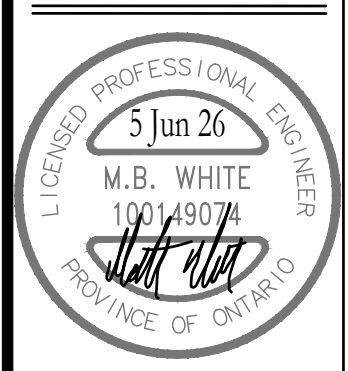


KEY PLAN

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 Website: deiconsultants.ca
 Project Number: 25452

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No.	Revision	Date
A	Issued for Addendum 01	2026.04.24

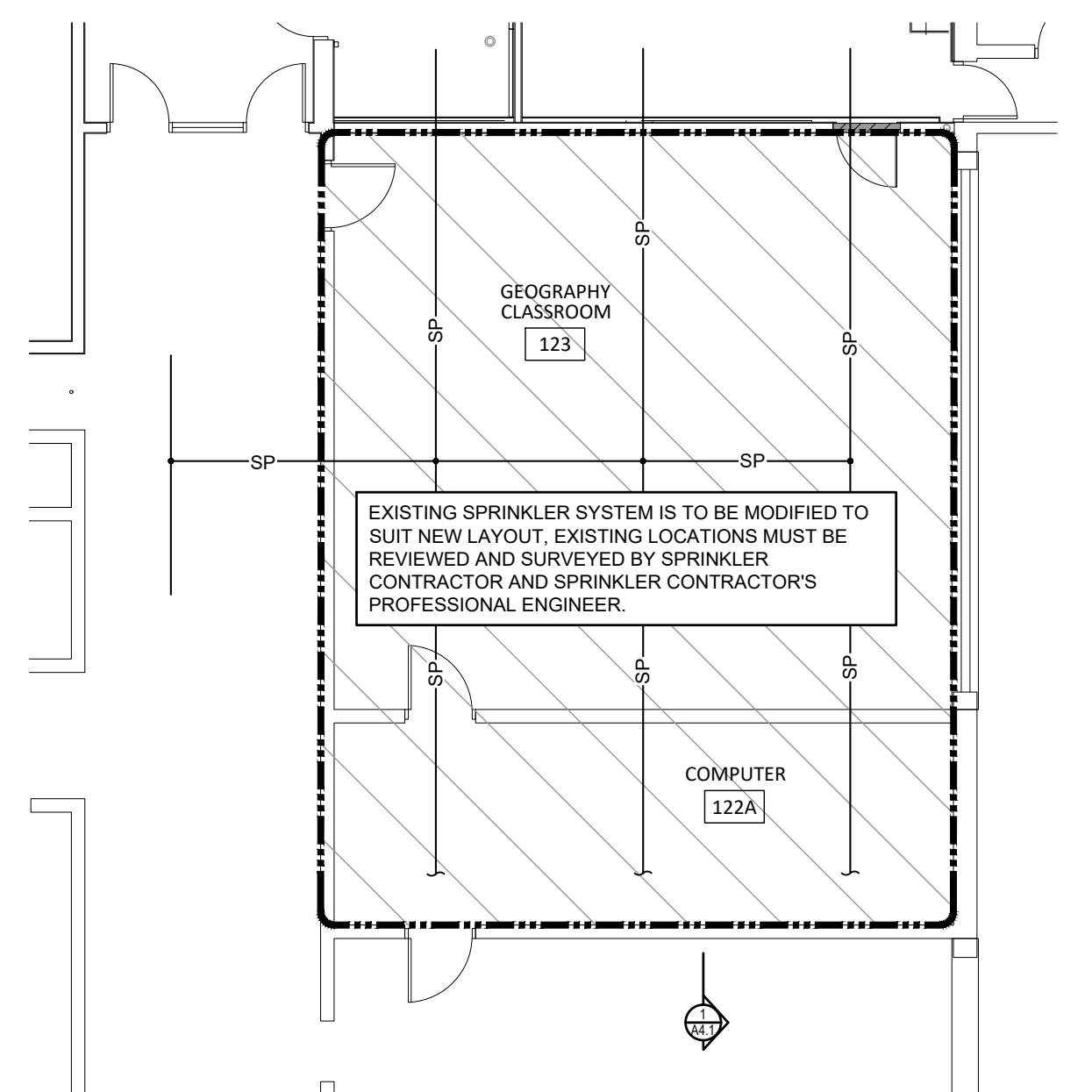


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2	Issued for Construction	2026.06.05

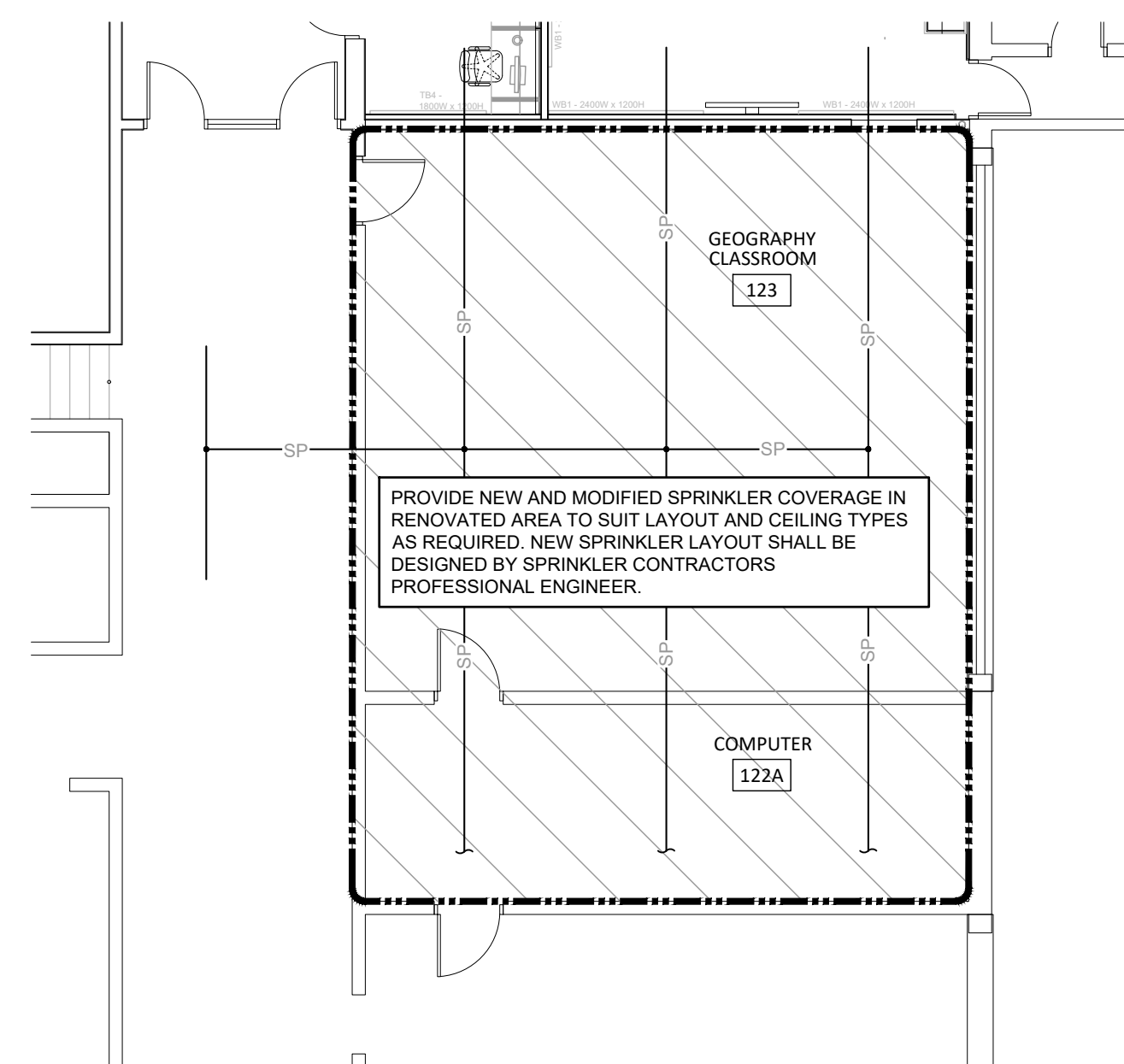
project
 WRDSB PRESTON HIGH SCHOOL RENOVATIONS
 WATERLOO REGION DISTRICT SCHOOL BOARD
 550 ROSE ST. CAMBRIDGE, ON N3H 2E6
 drawing
 GROUND & SECOND FLOOR PART PLANS - FIRE PROTECTION
 DEMOLITION & RENOVATION
 drawing scale
 AS NOTED
 ward99 project number
 25023 - WRDSB PRESTON FAMILY STUDIES AND CLASSROOM

ward99 architects | drawing no.
Wa RD₉₉
 ward99 architects Inc.
 7500 Highway 27, Unit 27B
 Vaughan ON L4H 0J2
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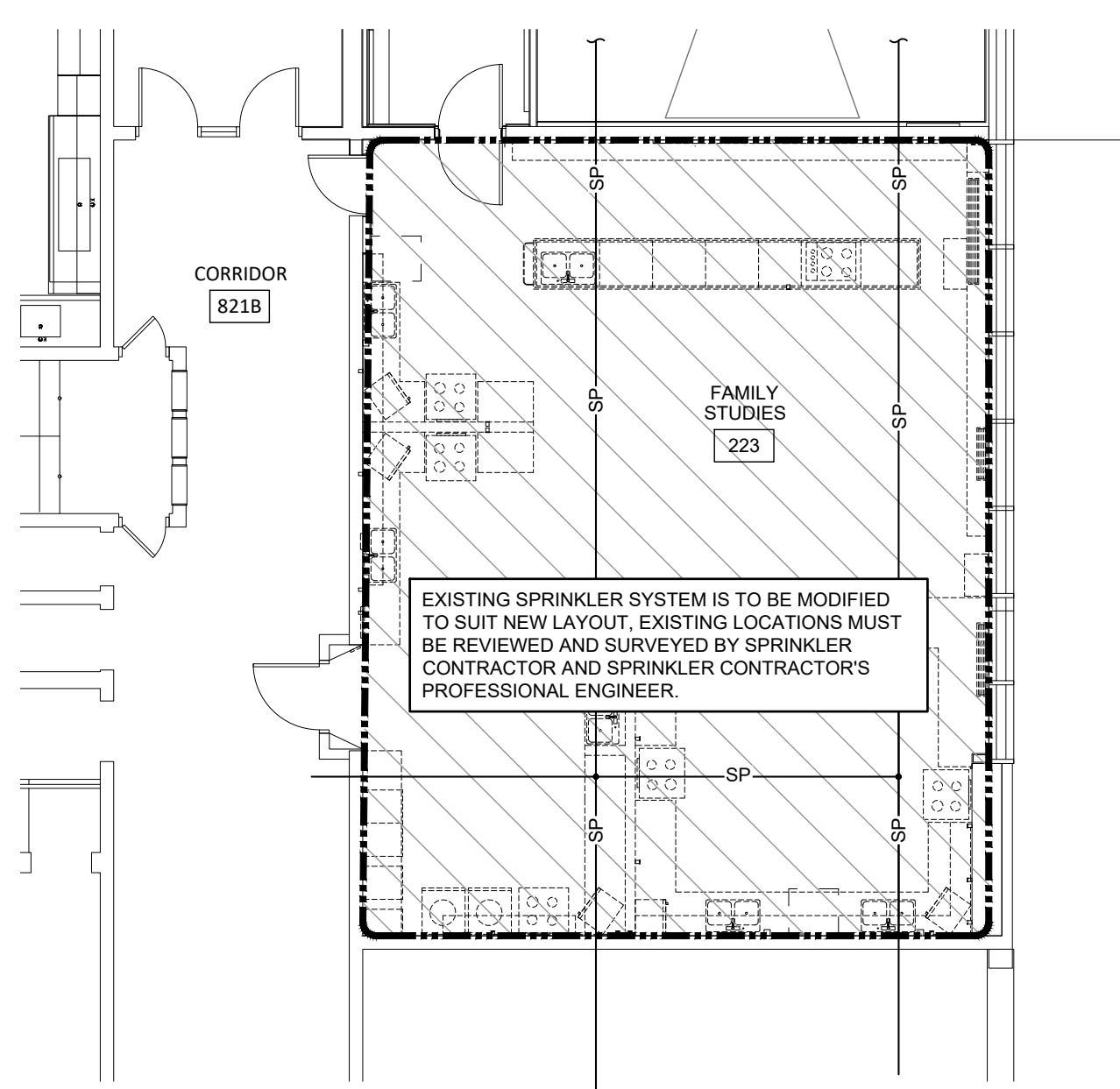
M3.1



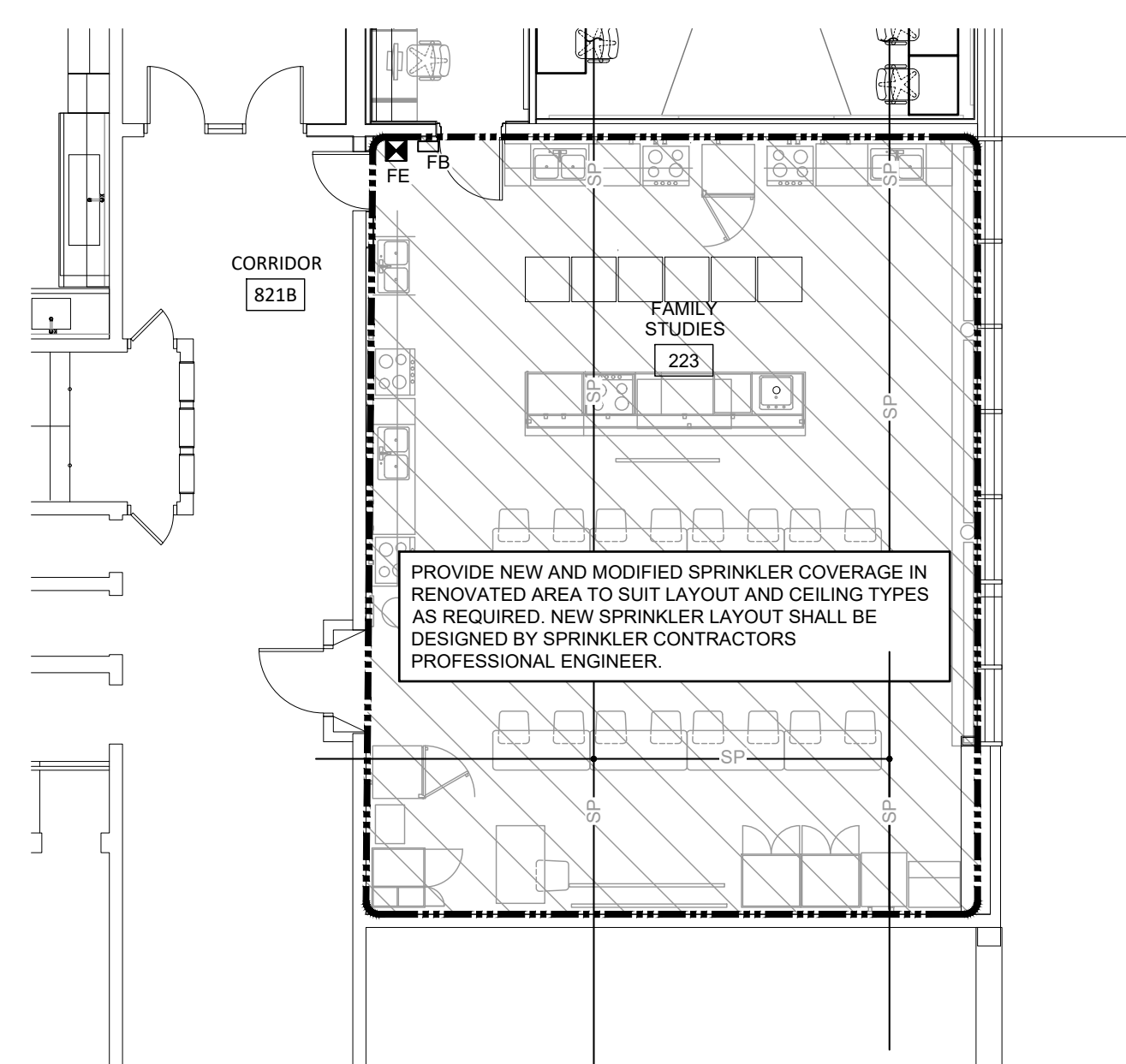
GROUND FLOOR PLAN - FIRE PROTECTION DEMOLITION
 SCALE: 1:100



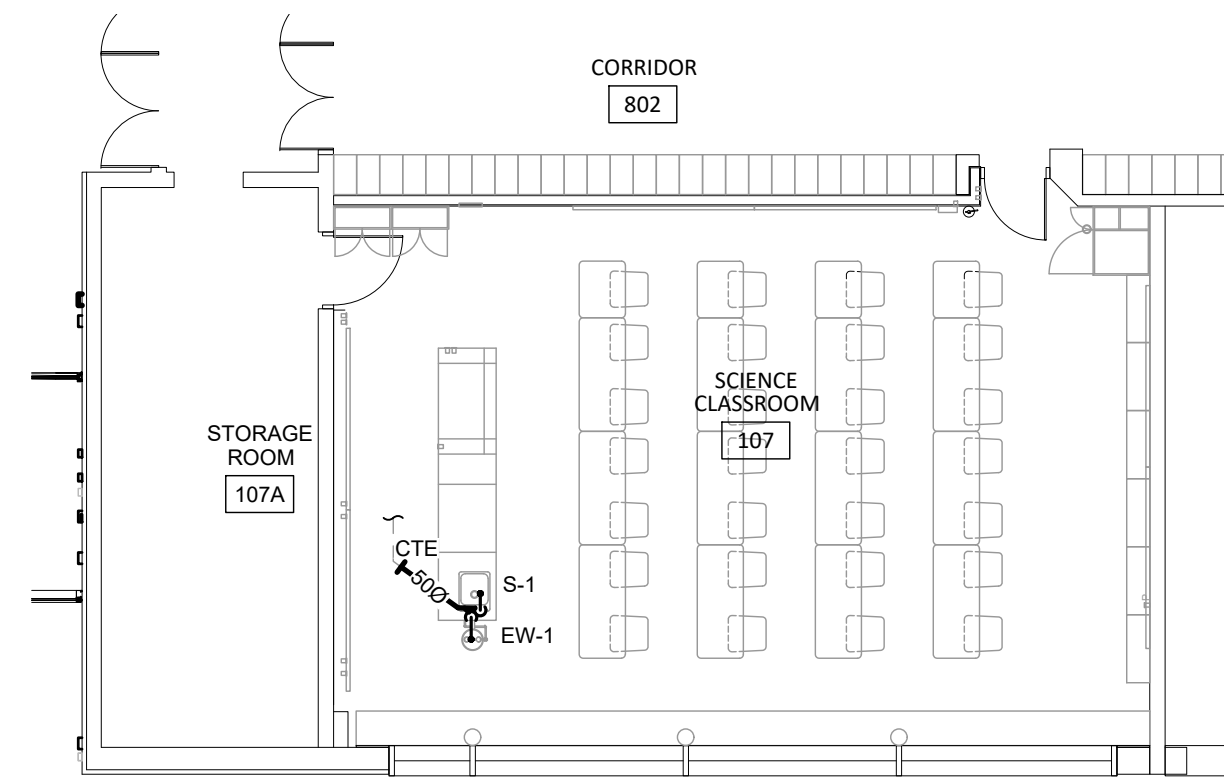
GROUND FLOOR PLAN - FIRE PROTECTION RENOVATION
 SCALE: 1:100



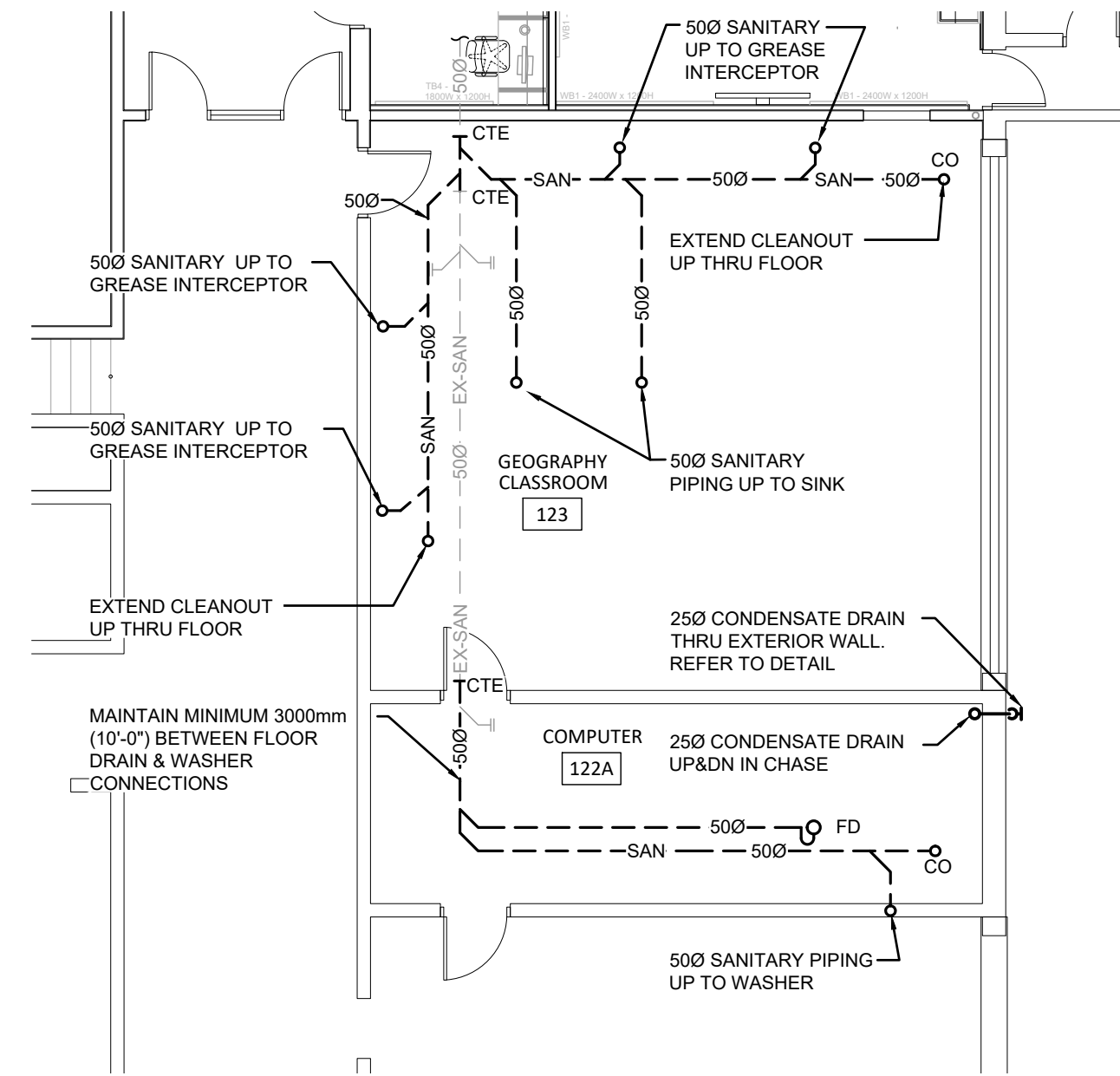
SECOND FLOOR PLAN - FIRE PROTECTION DEMOLITION
 SCALE: 1:100



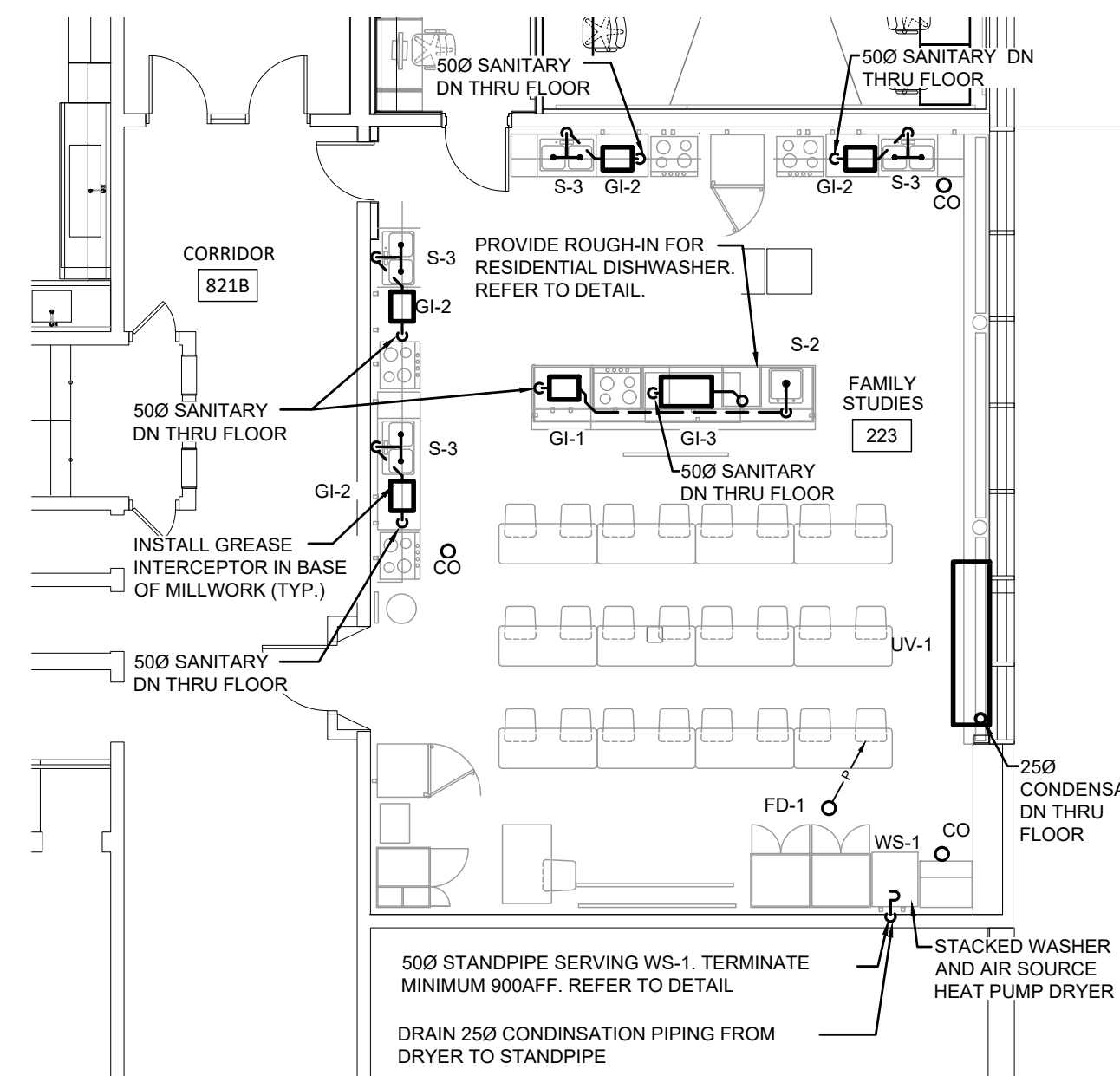
SECOND FLOOR PLAN - FIRE PROTECTION RENOVATION
 SCALE: 1:100



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



GROUND FLOOR PART PLAN 'B' - DRAINAGE RENOVATION
SCALE: 1:100

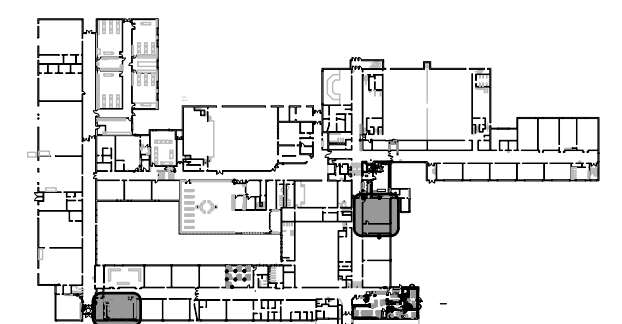


SECOND FLOOR PLAN - DRAINAGE RENOVATION
SCALE: 1:100

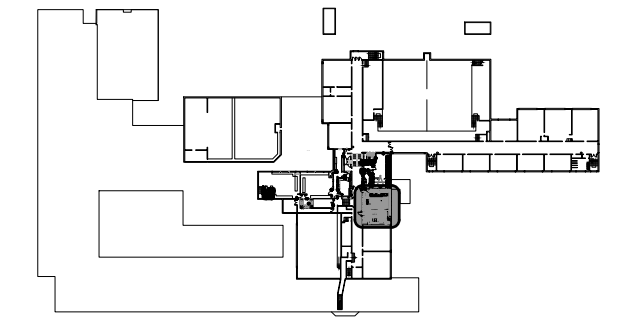
GENERAL RENOVATION NOTES

- PIPE INSULATION IS TO BE INSTALLED AT ALL EXISTING PIPE, ELBOWS, FITTINGS, ETC. WHERE ABATEMENT REMOVED THE INSULATION AND WHERE EXISTING PIPE ELBOWS, FITTINGS, ETC. ARE REMAINING AS PRESENTLY INSTALLED. CONTRACTOR TO REVIEW ON SITE FOR QUANTITY & SIZES.
- CONTRACTOR TO LOCATE ISOLATION VALVES AND DRAIN SYSTEMS TO ALLOW PROPOSED WORK TO PROCEED. REFILL SYSTEMS AS INDICATED. FLUSHING, CLEANING, & REFILLING WITH CLEAN WATER & CHEMICAL TO WATER TREATMENT CONTRACTOR REQUIREMENTS.
- FREEZE OR DRAIN EXISTING PIPING AS REQUIRED TO FACILITATE CUT IN.
- EXTEND CLEANOUTS UP THROUGH FLOOR.

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GROUND FLOOR



SECOND FLOOR

KEY PLAN

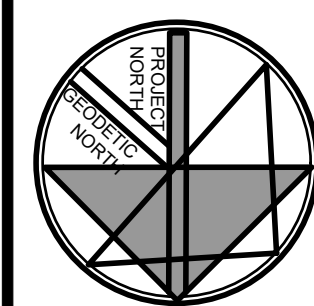
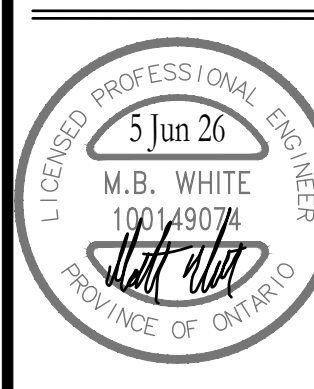


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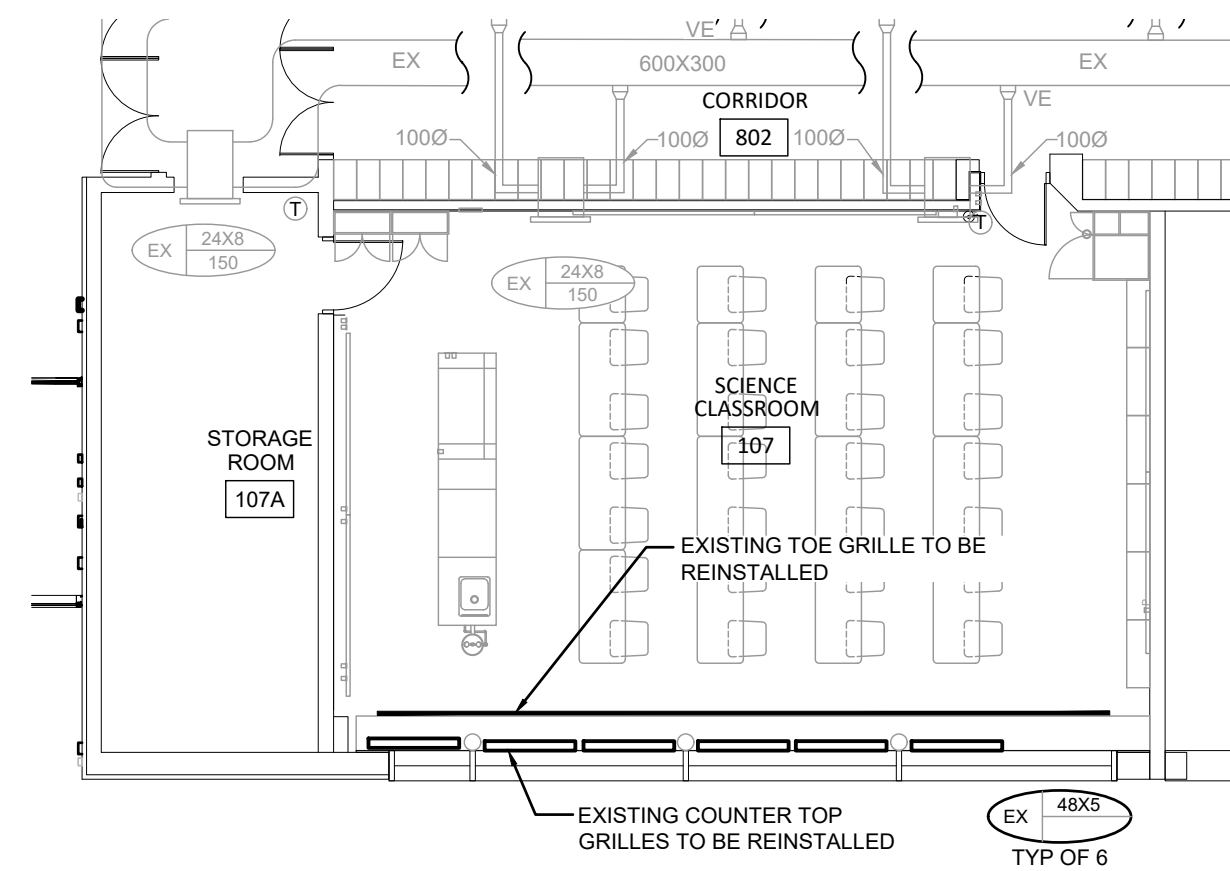


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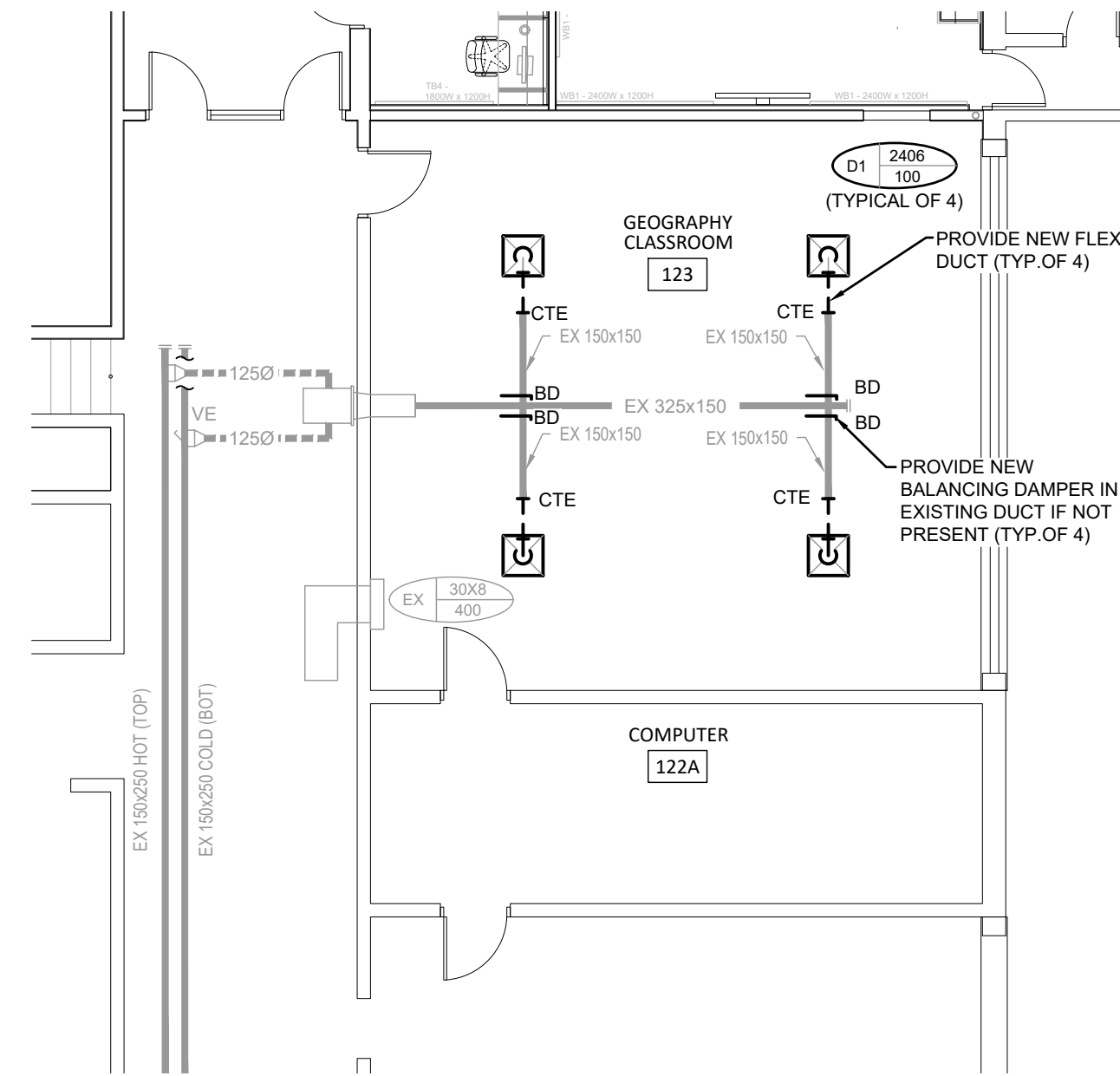
project
WRDSB PRESTON HIGH SCHOOL RENOVATIONS
WATERLOO REGION DISTRICT SCHOOL BOARD
550 ROSE ST. CAMBRIDGE, ON N3H 2E6
drawing
PART PLANS 'A' & 'B' - DRAINAGE RENOVATION
drawing scale
AS NOTED
ward99 project number
25023 - WRDSB PRESTON FAMILY STUDIES AND CLASSROOM

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ward99 architects inc.
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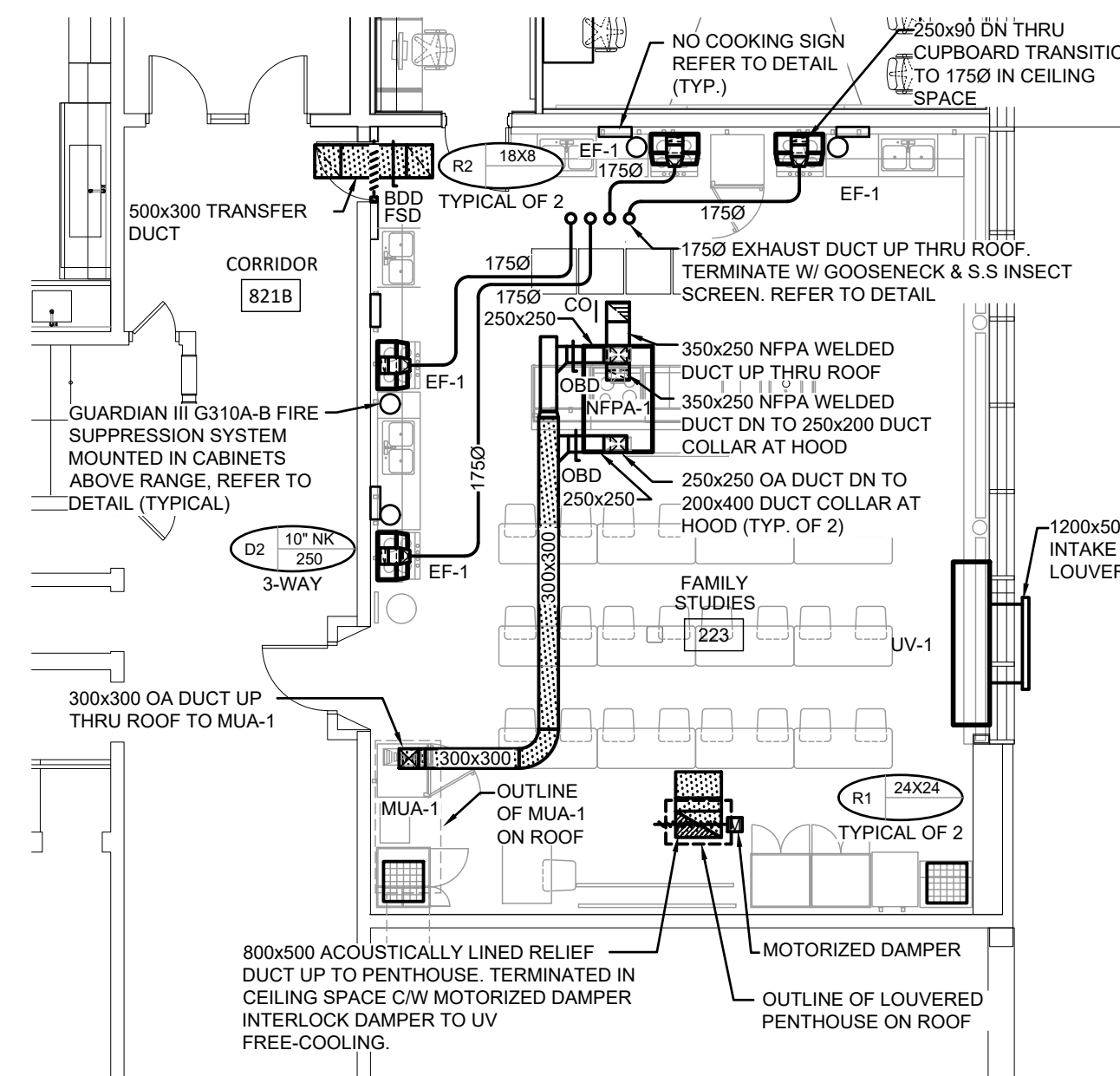
M4.1



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



GROUND FLOOR PART PLAN 'B' - DUCTWORK RENOVATION
SCALE: 1:100

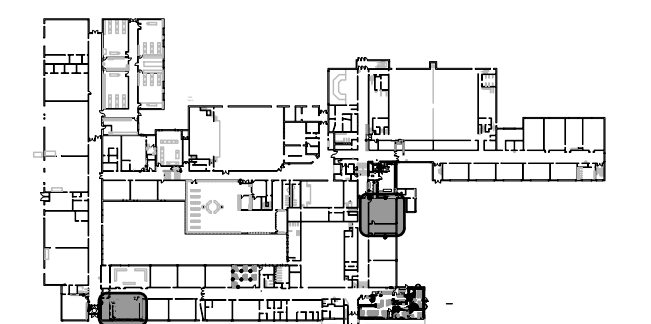


SECOND FLOOR PLAN - DUCTWORK RENOVATION
SCALE: 1:100

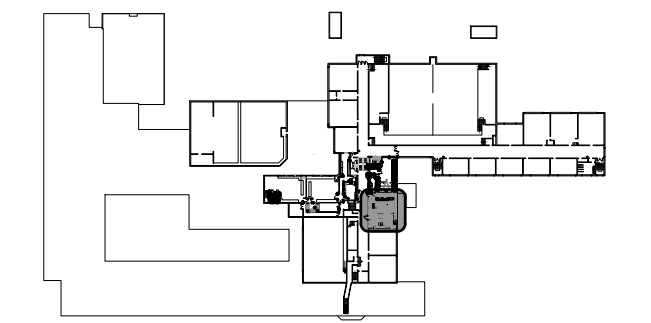
GENERAL RENOVATION NOTES

- REFER TO DRAWING M4.3 FOR THERMOSTAT/SENSORS NOT INDICATED ON THIS DRAWING.
- CO-ORDINATE LOCATIONS OF GRILLES/DIFFUSERS WITH ARCHITECTURAL REFLECTED CEILING PLANS. FINAL LOCATION TO BE DETERMINED ON SITE. CONTRACTOR TO NOTIFY CONSULTANT OF ANY DISCREPANCIES PRIOR TO INSTALLATION. FAILURE TO DO SO WILL RESULT IN RELOCATION COSTS BORNE BY THIS CONTRACTOR.

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GROUND FLOOR



SECOND FLOOR

KEY PLAN

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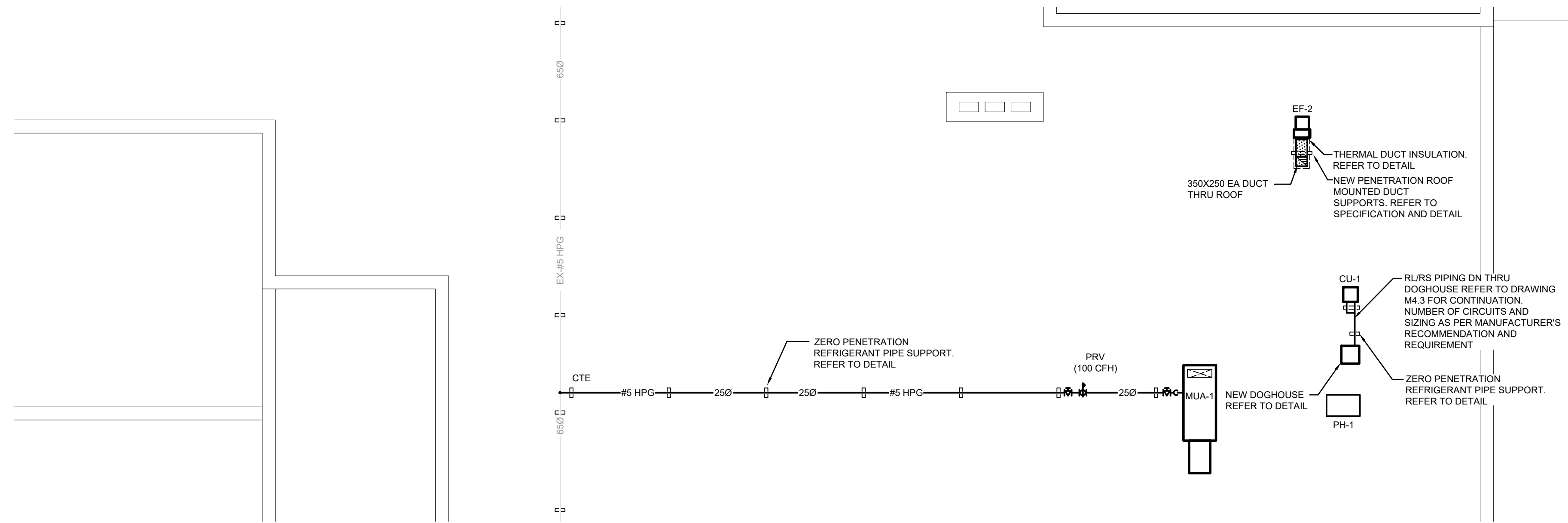
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project
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WATERLOO REGION DISTRICT SCHOOL BOARD
550 ROSE ST. CAMBRIDGE, ON N3H 2E6
drawing
PART PLANS 'A' & 'B' - DUCTWORK RENOVATION
drawing scale
AS NOTED
ward99 project number
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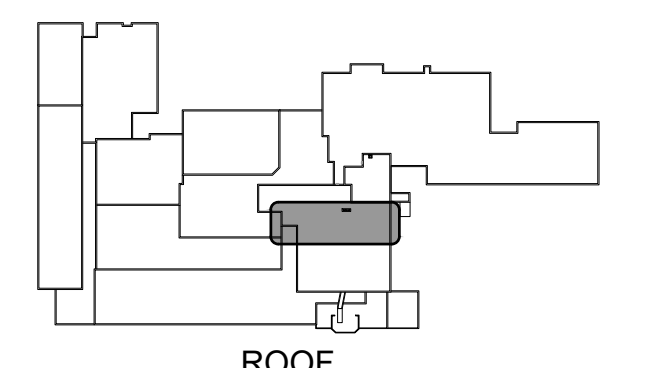
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Vaughan ON L4H 0J2
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416-613-9800 www.ward99architects.com



GENERAL RENOVATION NOTES

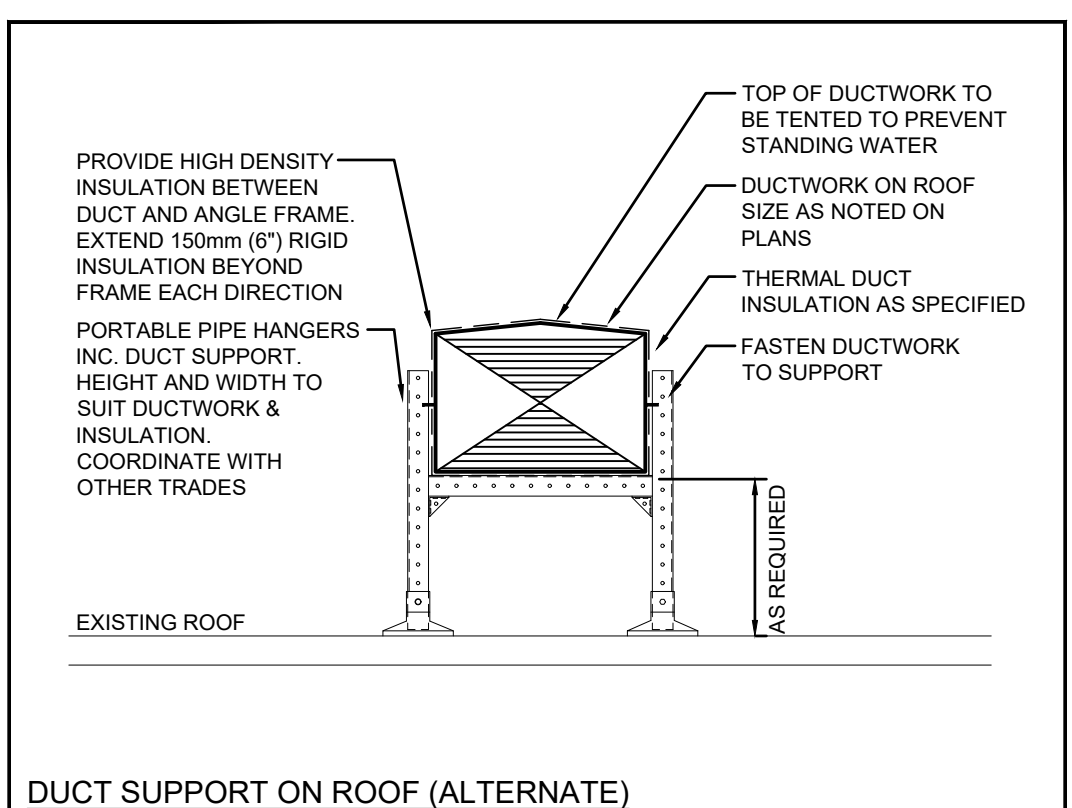
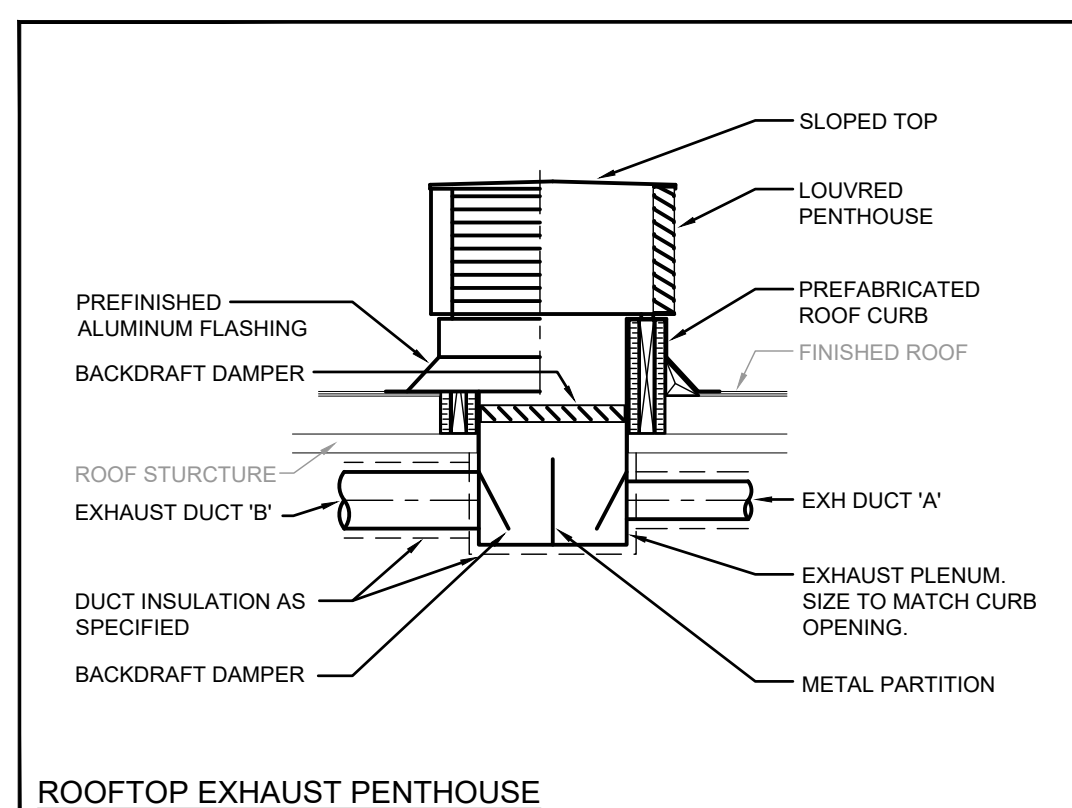
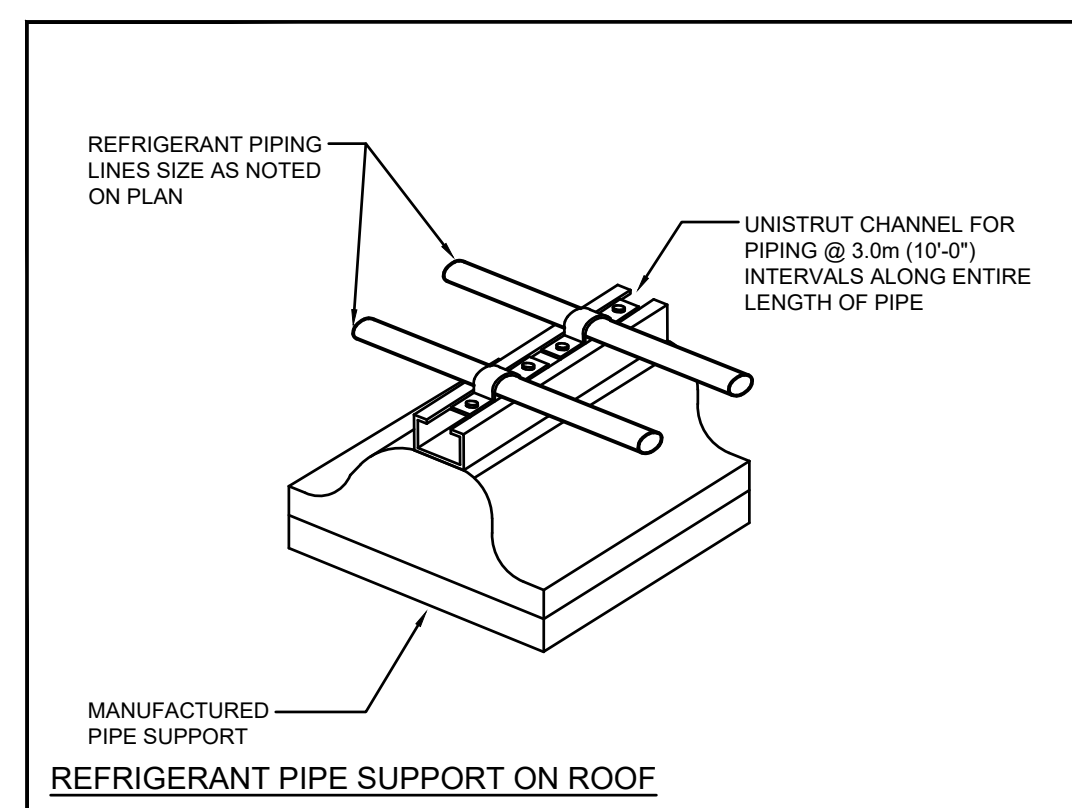
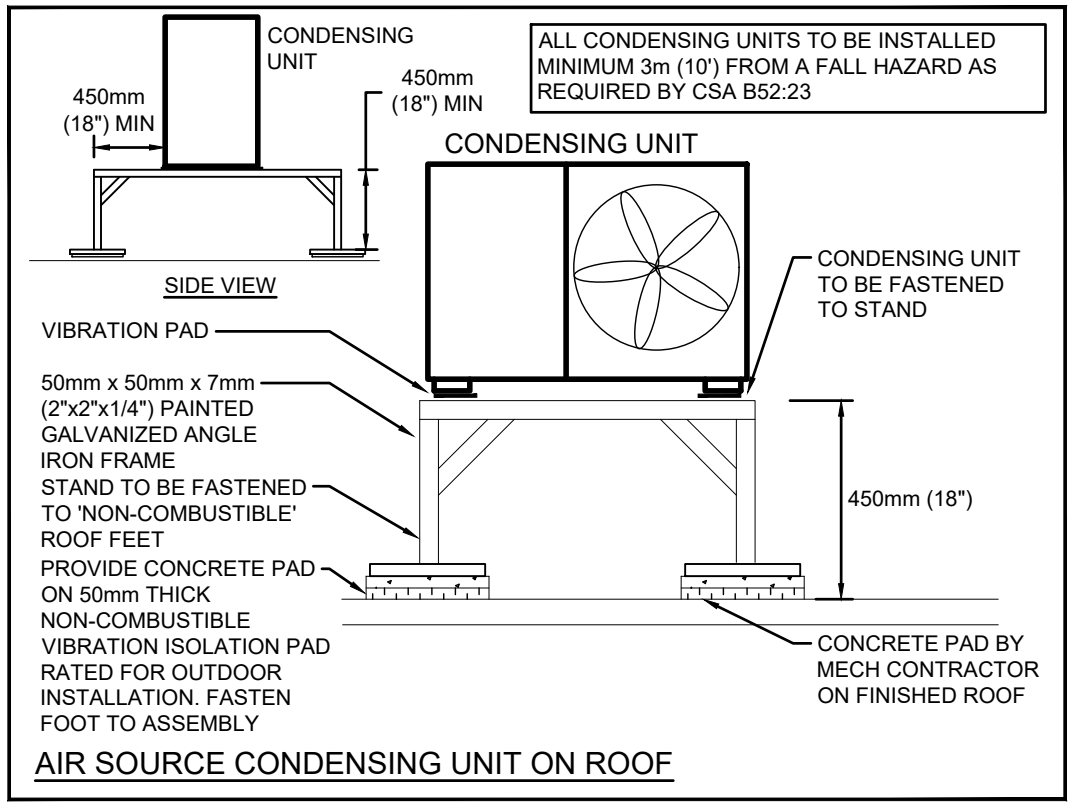
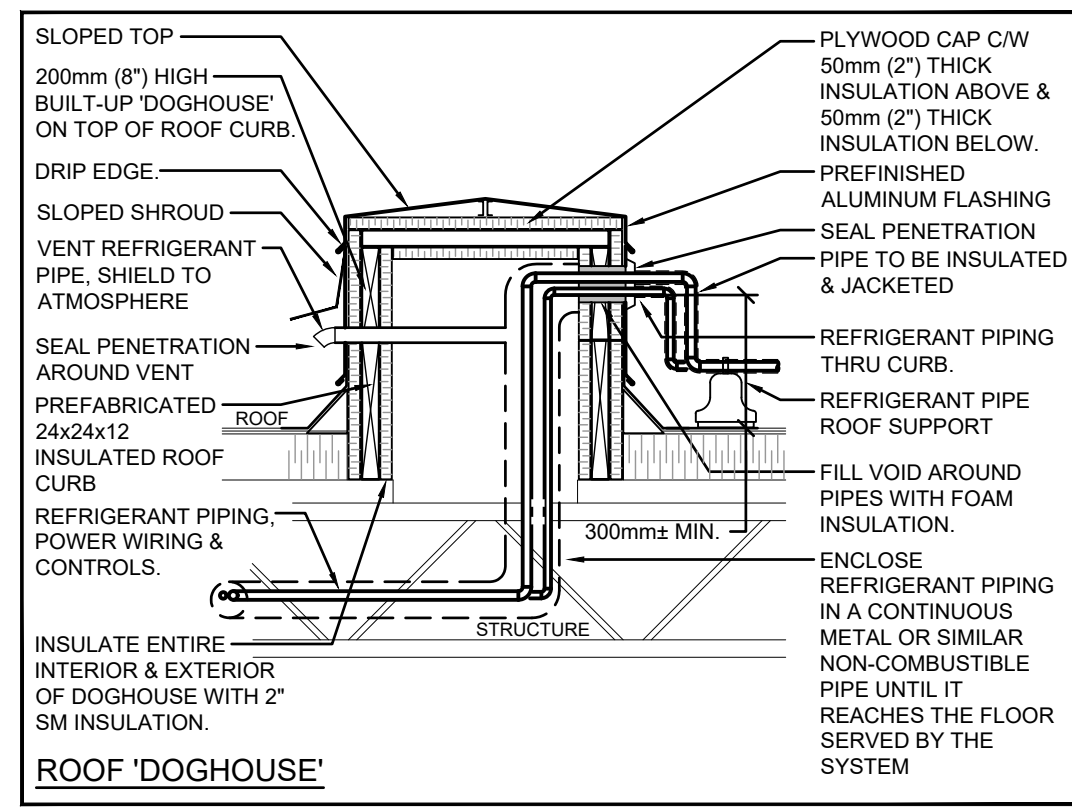
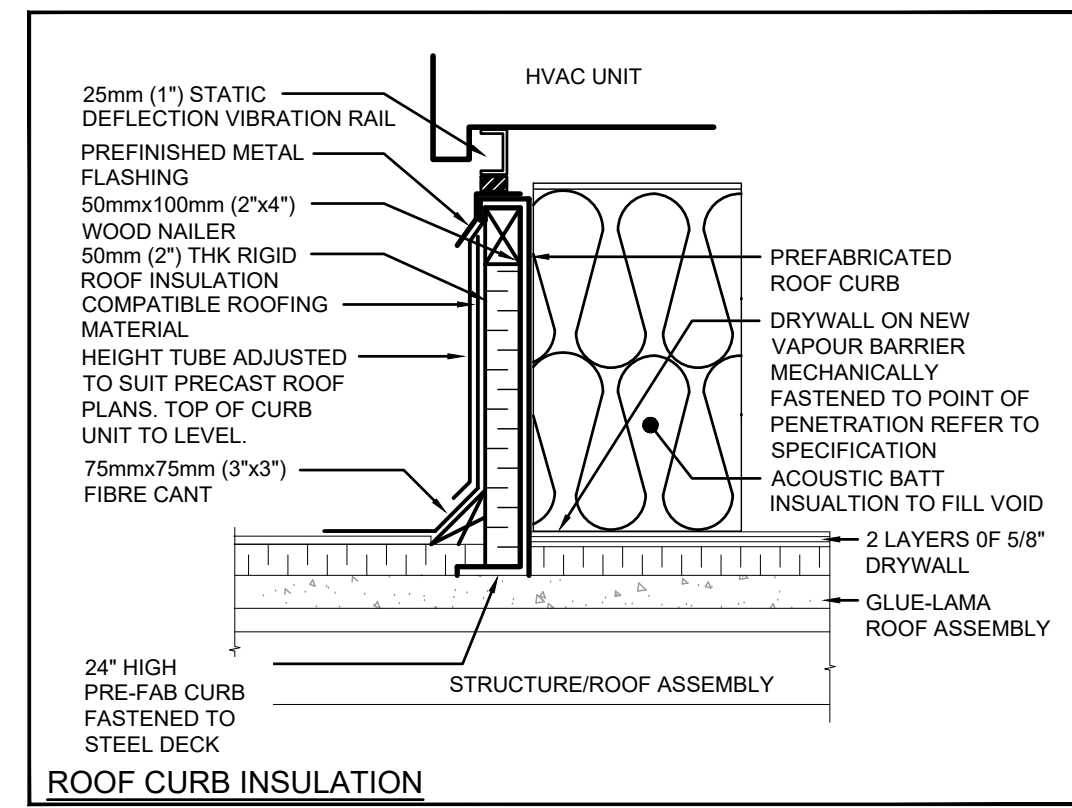
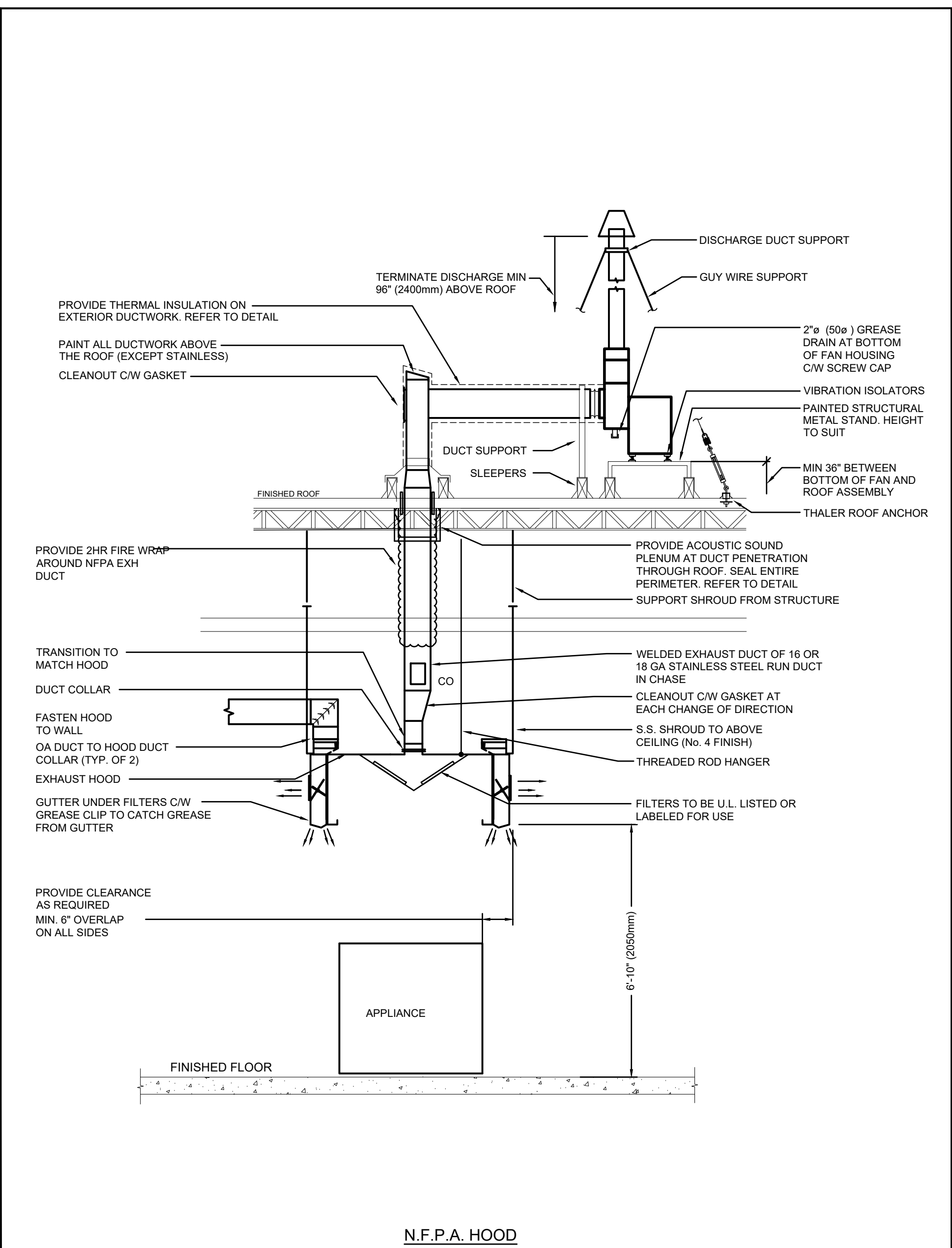
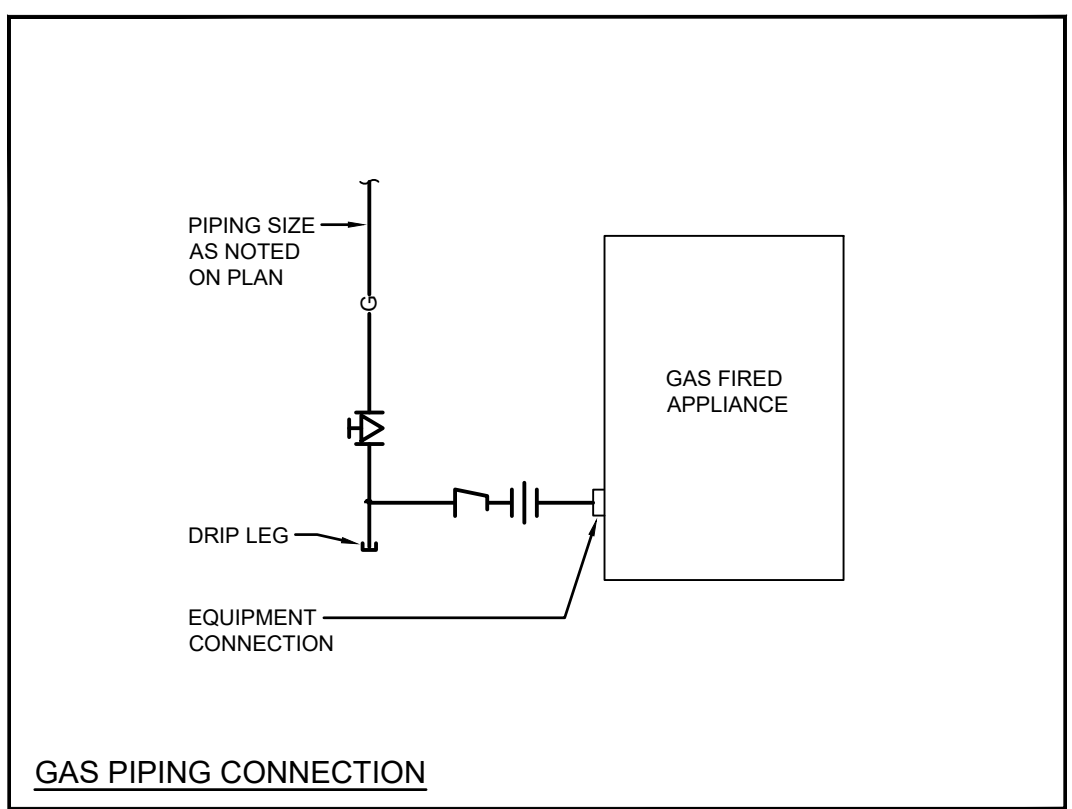
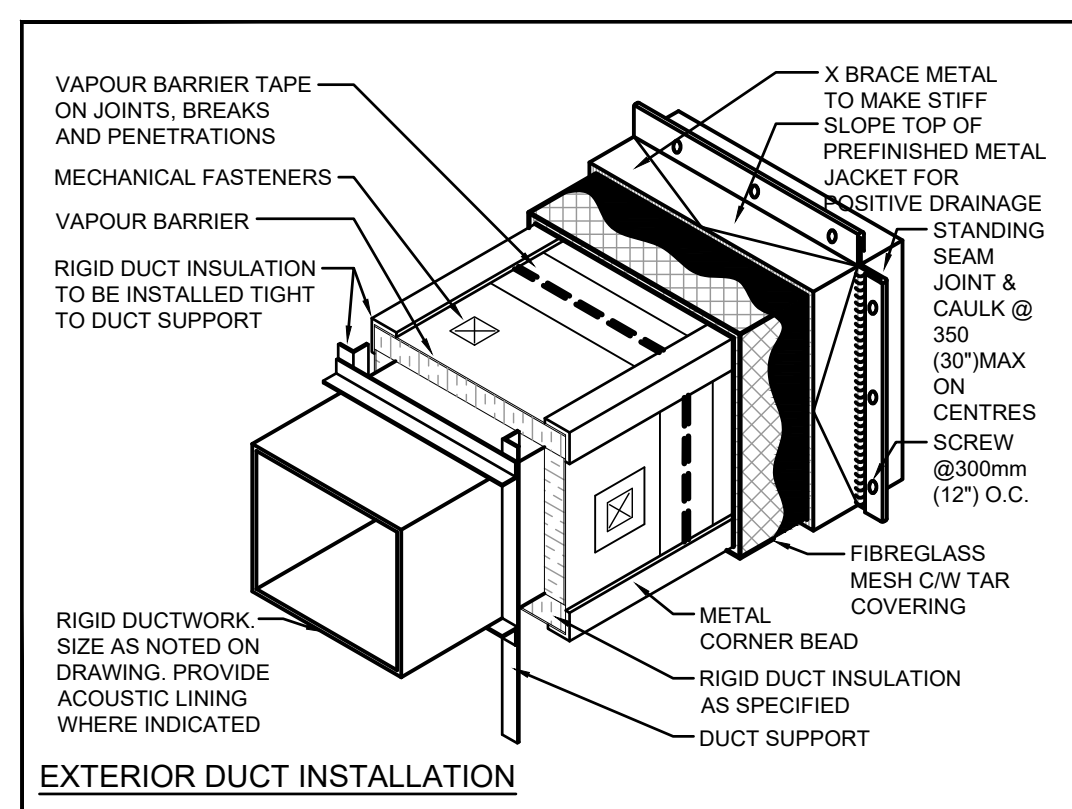
- MAINTAIN MINIMUM 3700mm (12'-0") LATERAL DISTANCE BETWEEN SANITARY VENTS AND ALL AIR INTAKE/EXHAUST OPENINGS.
- MAINTAIN MINIMUM 3000mm (10'-0") LATERAL DISTANCE BETWEEN PRV, FUEL FIRED APPLIANCE, AND/OR EXHAUST VENTS AND ALL AIR INTAKE/EXHAUST OPENINGS.
- ALL EQUIPMENT SHALL BE MINIMUM 3.0M FROM EDGE OF ROOF.

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ROOF KEY PLAN

ROOF PART PLAN - RENOVATION
SCALE: 1:100



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project
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WATERLOO REGION DISTRICT SCHOOL BOARD
550 ROSE ST. CAMBRIDGE, ON N3H 2E6

drawing
ROOF PART PLAN - RENOVATION, AND DETAILS

drawing scale
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