

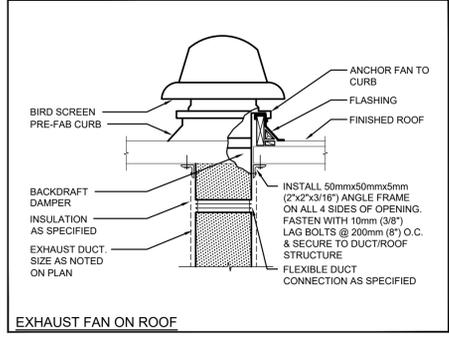
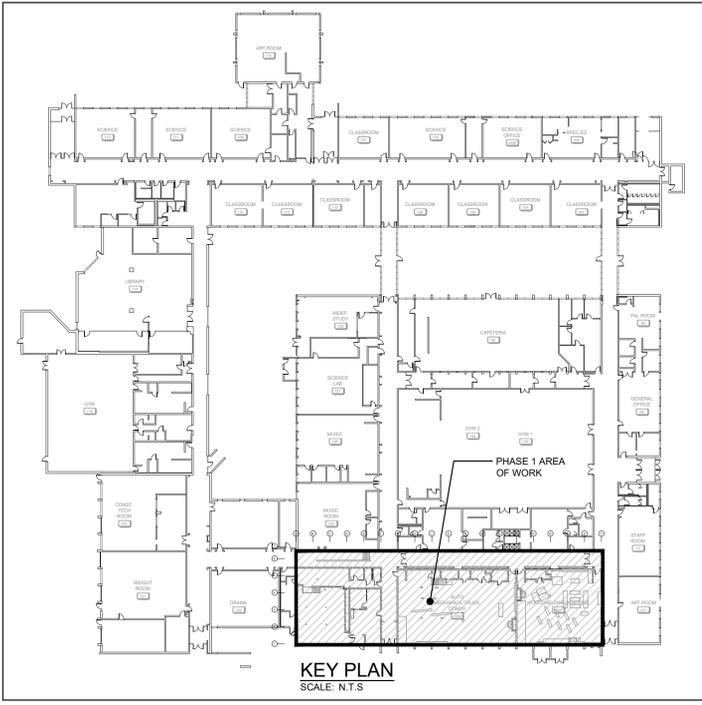
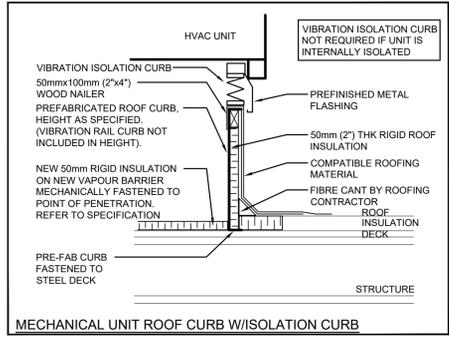
PLUMBING FIXTURE SCHEDULE

Item	Type	Connection Sizes					Acceptable Manufacturer	Fixture Description	Acceptable Manufacturer	Trim Description	Accessories	
		HW	CW	TW	Drain	Vent					Acceptable Manufacturer	Accessory Description
RD-1	ROOF DRAIN				NOTED		ZURN ZA121-CR MIFAB WATTS	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.				

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



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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	EXHAUST FAN	3000	0.5	1211	2	208/1/60	GREENHECK G-160-VG	ALUMINUM HOUSING, CENTRIFUGAL BACKWARD INCLINED ALUMINUM (COMPOSITE FOR SIZES 60-95) WHEEL, DIRECT DRIVEN MOTOR MOUNTED ON VIBRATION ISOLATION, BACKDRAFT DAMPER, BIRDSCREEN, ECM OR VFD, CONNECTED TO BAS AND INTERLOCKED WITH RTU.
EF-2	EXHAUST FAN	4000	0.5	1290	2	208/1/60	GREENHECK G-200-VG	ALUMINUM HOUSING, CENTRIFUGAL BACKWARD INCLINED ALUMINUM (COMPOSITE FOR SIZES 60-95) WHEEL, DIRECT DRIVEN MOTOR MOUNTED ON VIBRATION ISOLATION, BACKDRAFT DAMPER, BIRDSCREEN, ECM OR VFD CONNECTED TO BAS AND INTERLOCKED WITH RTU.

GENERAL FAN SCHEDULE NOTES:

- ACCEPTABLE MANUFACTURERS: GREENHECK, PENN-BARRY, COOK, CARNES, ACME, TWIN CITY, JENCO, BUFFALO. (CEILING FANS: BROAN, GREENHECK, ZONEX)
- PROVIDE 24" TALL PREFABRICATED, INSULATED ROOF CURB FOR ALL ROOF MOUNTED FANS.

PACKAGED HVAC UNIT SCHEDULE

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

Item	Type	Nominal Capacity				ESP (in wc)	Motor (hp)	Electrical Data			Acceptable Manufacturer & Model	Remarks
		tons	cfm	Heat (MBH) (in / out)	Cool (MBH)			Voltage	MCA	MOCP		
RTU-1	ROOFTOP HVAC UNIT	-	3000	400/324	-	1.2	3.0	575/3/60	5.6	15	ENG AIR DJS40/O	MED HEAT, DOWN DISCHARGE & RETURN, DCV, BAS TERMINAL STRIP, INTERLOCKED RETURN AND OUTSIDE AIR DAMPERS, VFD
RTU-2	ROOFTOP HVAC UNIT	-	4000	400/324	-	1.2	5.0	575/3/60	8.3	15	ENG AIR DJS40/O	MED HEAT, DOWN DISCHARGE & RETURN, DCV, BAS TERMINAL STRIP, INTERLOCKED RETURN AND OUTSIDE AIR DAMPERS, VFD

GENERAL PACKAGED HVAC UNIT SCHEDULE NOTES:

- ACCEPTABLE MANUFACTURERS: ENGINEERED AIR OR EQUAL ICE-WESTERN, BOUSQUET
- UNITS HAVE 15:1 TURNDOWN NATURAL GAS, BELT DRIVE FANS, VFD FAN MOTOR CONTROL, COMMISSION LOW SPEED TO 57Hz.
- PROVIDE STANDARD INSULATED 20" HIGH ROOF CURB, ADDITIONAL ISOLATION/VIBRATION RAIL/CURB, STAINLESS STEEL GAS HEAT EXCHANGER, STAINLESS STEEL FLUE GAS EXTENSION, AND ALL HOODS & INLET SCREENS, AND 2 SETS MERV 8 DISPOSABLE FILTERS
- CONTROLS: SYSTEM CONTROLS BY BAS CONTRACTOR, PROVIDE INTEGRAL CONTROLLER MATCHED TO BAS MANUFACTURER.
- CONTROLS: THERMOSTAT AND LOCKING COVER, TO BE INTERLOCKED TO ASSOCIATED EXHAUST FAN REFER TO SPECIFICATIONS.

GRILLE SCHEDULE

Item	Type	Equalizing Grid	Volume Damper	Acceptable Manufacturer	Description
SG1	SPIRAL DUCT SUPPLY GRILLE	NO	NONE	EH PRICE SDGE	DOUBLE DEFLECTION, 3/4" SPACING, EXTRUDED ALUMINUM AIRFOIL BLADES PARALLEL TO LONG DIMENSION, C/W 7/8" BORDER & SCREWED FASTENING FOR DUCT MOUNTING.
R1	RETURN GRILLE	NO	NONE	EH PRICE 80-FLA	1/2x1/2x1/2 ALUMINUM EGGRATE CORE, C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING.
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.
DG1	DOOR GRILLE	YES	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.

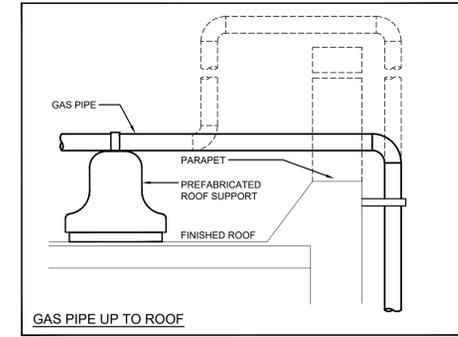
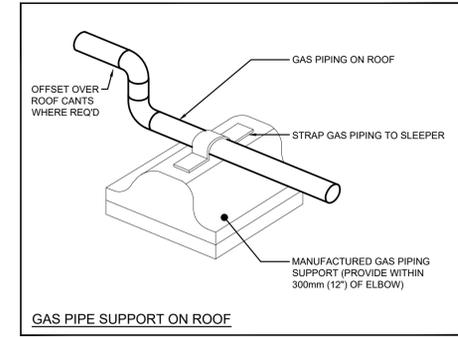
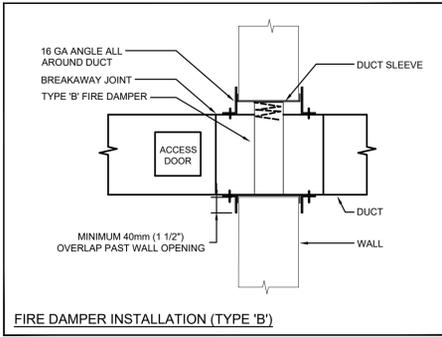
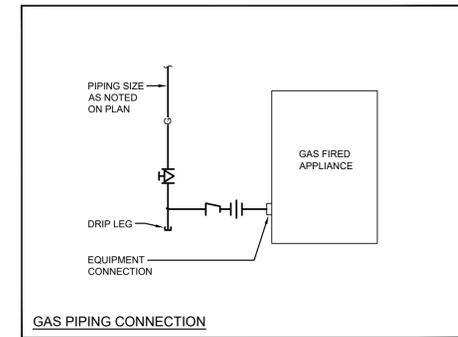
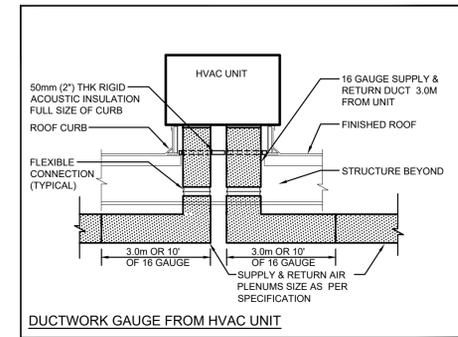
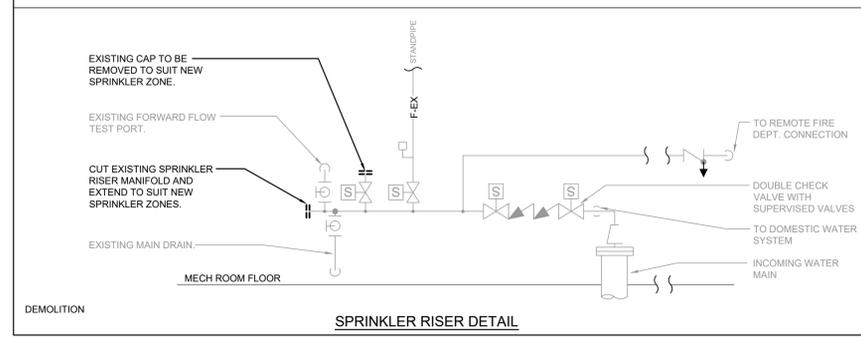
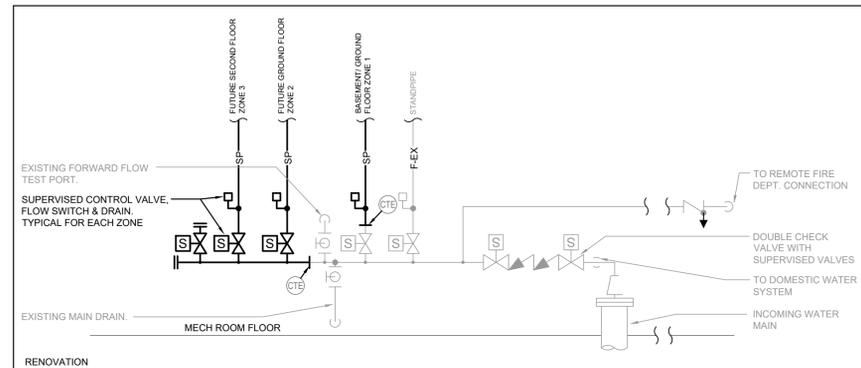
GENERAL DIFFUSER/GRILLE NOTES:

- ACCEPTABLE MANUFACTURERS: EH PRICE, NAILOR, TITUS, KRUEGER, CARNES, METALAIRE
- GRILLE COLOURS ARE SELECTED BY ARCHITECT FROM STANDARD COLOUR CHART, UNLESS OTHERWISE NOTED.

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Project Number: 25402

3 03/11/26 ISSUED FOR TENDER
2 02/13/26 ISSUED FOR PERMIT
1 02/04/26 ISSUED FOR COORDINATION

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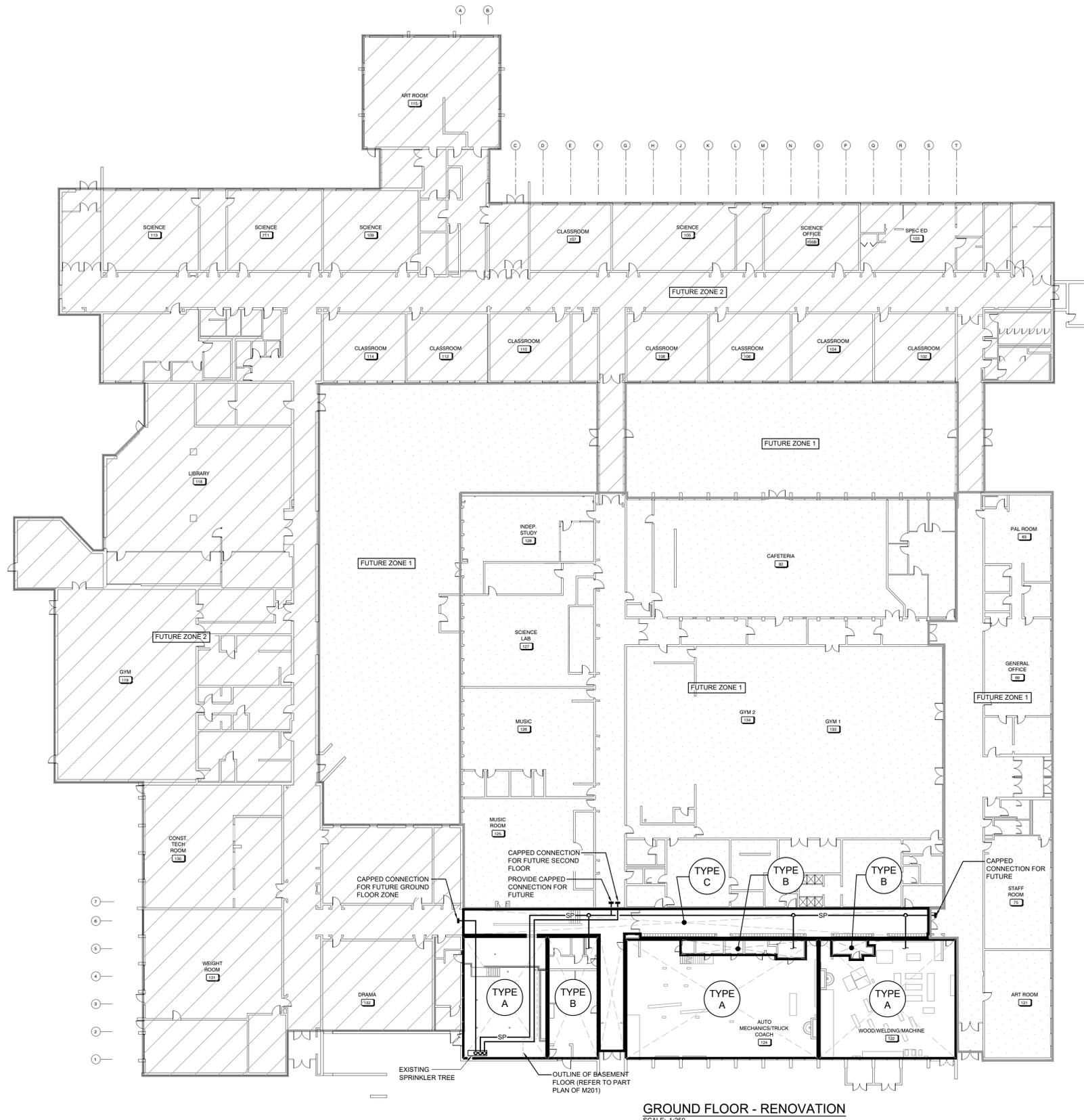
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11 Mar 26
M.S. PACE
19271722
PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

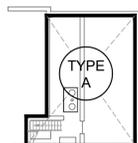
PROJECT
SOUTHWOOD S.S. RAAC PHASE 1
30 SOUTHWOOD DR., CAMBRIDGE, ON

DRAWING
LEGEND, SCHEDULES, & DETAILS

DRAWN BY: HA CHECKED BY: SV
DATE: JANUARY 12, 2026
SCALE: AS NOTED DRAWING NO: M101
PROJECT NO: 25046



GROUND FLOOR - RENOVATION
SCALE: 1:250



BASEMENT FLOOR - RENOVATION
SCALE: 1:250

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 CONTRACTOR'S 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 AREAS OF UNSUPERVISED AREAS (CORRIDORS, WASHROOMS). COVER PLATE FINISH SELECTED BY CONSULTANT.
 - PROVIDE SEMI-RECESSED HEADS IN ALL OTHER CEILING AREAS (CLASSROOMS, OFFICES, SEMINAR RM's, 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.

SPRINKLER SCHEDULE

Type	Sprinkler Head	Colour	Remarks
A	UPRIGHT	WHITE	
B	SEMI-RECESSED	CHROME	
C	CONCEALED	CHROME	



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Project Number: 25401

NO.	DATE	ISSUE
3	03/11/26	ISSUED FOR TENDER
2	02/13/26	ISSUED FOR PERMIT
1	02/04/26	ISSUED FOR COORDINATION

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PROJECT
**SOUTHWOOD S.S.
RAAC PHASE 1**
30 SOUTHWOOD DR., CAMBRIDGE, ON

DRAWING
**GROUND FLOOR
FIRE PROTECTION -
RENO**

DRAWN BY: HA CHECKED BY: SV
DATE: JANUARY 12, 2026
SCALE: AS NOTED DRAWING NO:
PROJECT NO: **M201**
25046

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GENERAL DEMOLITION NOTES

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

SPECIFIC DEMOLITION NOTES

1. REMOVE EXISTING DUCTWORK AS INDICATED C/W ALL ASSOCIATED ACCESSORIES.
2. REMOVE EXISTING DUCTWORK & VENTING AS INDICATED C/W ALL ASSOCIATED ACCESSORIES. RETAIN FOR REUSE IN NEW LAYOUT. CONTRACTOR TO PROTECT AND STORE DUCTWORK AND VENTING TO AVOID ANY DAMAGE DURING REMOVAL AND REPLACEMENT OF ROOF.
3. EXISTING BELOW GRADE DUCTWORK TO BE FILLED WITH CONCRETE AND ABANDONED IN PLACE. REFER TO ARCHITECTURAL DRAWINGS.
4. EXISTING FLOOR GRILLE TO BE REMOVED COMPLETE.

SPECIFIC RENOVATION NOTES

- A. REINSTALL EXISTING DUCTWORK & VENTING AS INDICATED C/W ALL ASSOCIATED ACCESSORIES. PROVIDE NEW INSULATION ON DUCTWORK AS INDICATED.
- B. TAB CONTRACTOR TO TAKE EXISTING AIRFLOW READINGS OF EACH INLET AND TOTAL AIRFLOW.
- C. ALL EXISTING BUILDING AUTOMATION SYSTEM (BAS) PROGRAMMABLE CONTROLLERS WITHIN THIS PHASE TO BE REPLACED WITH NEW NIAGARA BASED CONTROLLERS. REFER TO SPECIFICATIONS.

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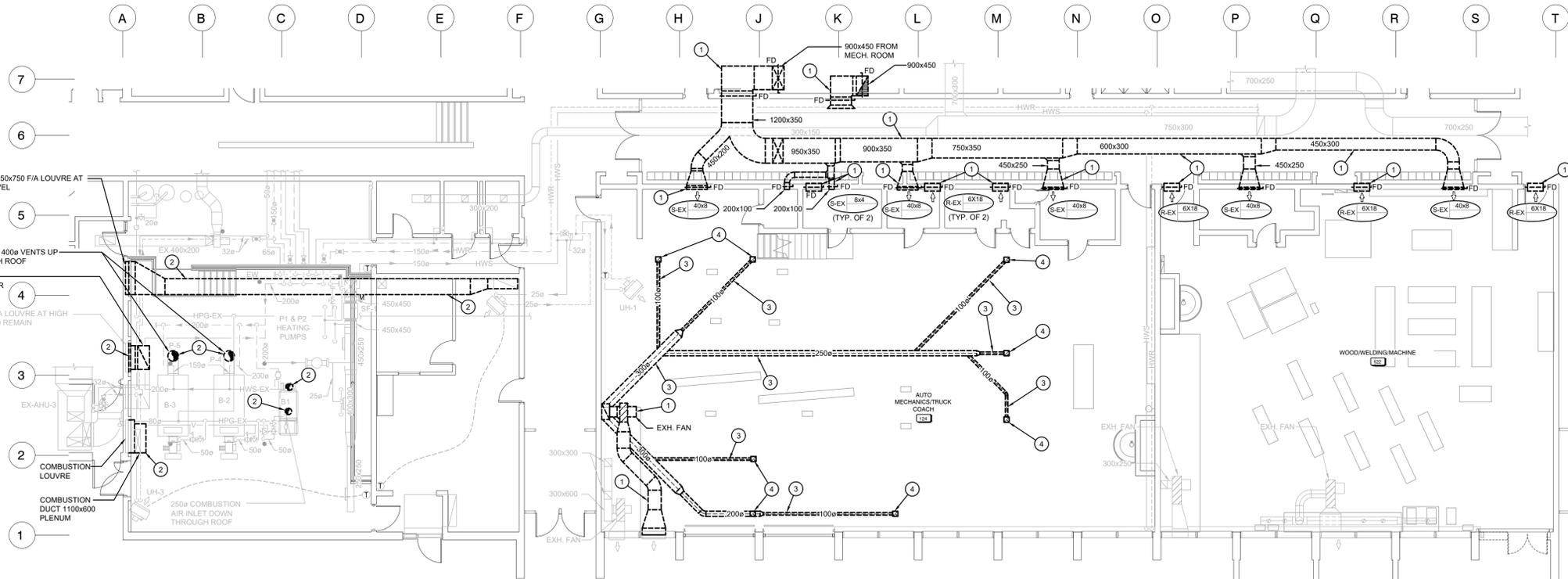


PROJECT
**SOUTHWOOD S.S.
RAAC PHASE 1**

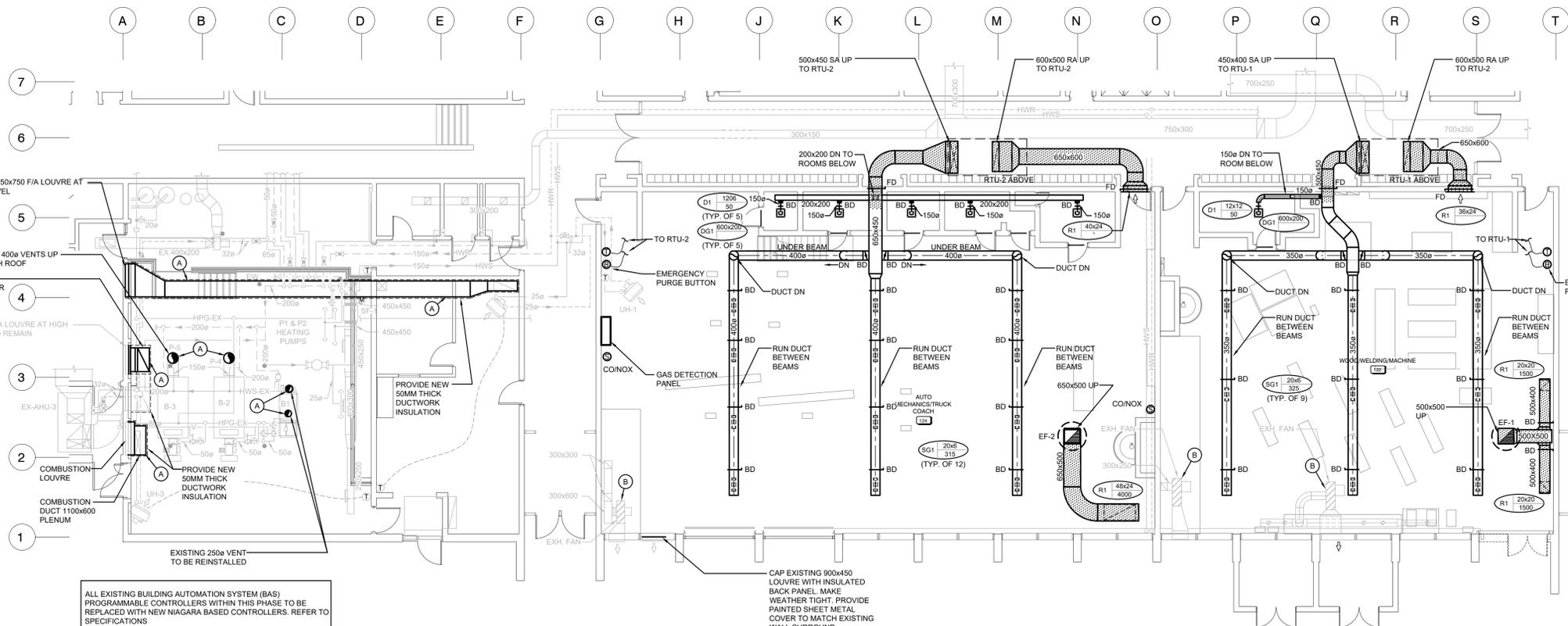
30 SOUTHWOOD DR., CAMBRIDGE, ON

DRAWING
**GROUND FLOOR
HVAC - DEMO &
RENO**

DRAWN BY	CHECKED BY
HA	SV
DATE	JANUARY 12, 2026
SCALE	DRAWING Nº
AS NOTED	
PROJECT Nº	M501
25046	



GROUND FLOOR - DEMOLITION
SCALE: 1:100



GROUND FLOOR - RENOVATION
SCALE: 1:100

ALL EXISTING BUILDING AUTOMATION SYSTEM (BAS) PROGRAMMABLE CONTROLLERS WITHIN THIS PHASE TO BE REPLACED WITH NEW NIAGARA BASED CONTROLLERS. REFER TO SPECIFICATIONS

CAP EXISTING 900x450 LOUVRE WITH INSULATED BACK PANEL. MAKE WEATHER TIGHT. PROVIDE PAINTED SHEET METAL COVER TO MATCH EXISTING WALL SURROUND.

