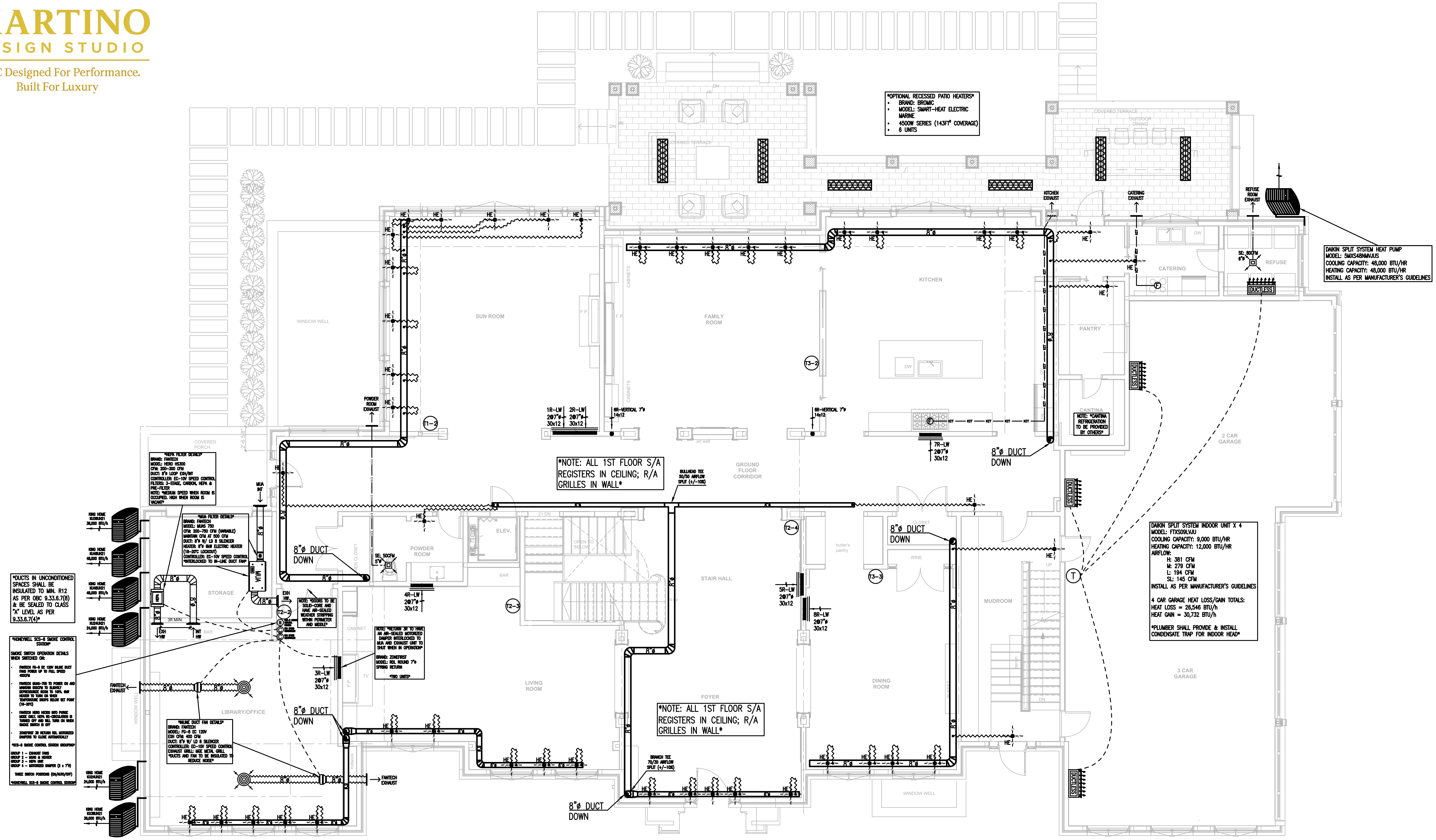
MARTINO DESIGN STUDIO

HVAC Designed For Performance.
Built For Luxury



# OF RUNS	S/A	R/A	FANS
3rd FLOOR	0	0	0
2nd FLOOR	0	0	0
1st FLOOR	0	0	0
BASEMENT	0	0	0

HEAT GAIN TOTAL: N/A BTU/H

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SB-12 2024 TABLE 3.1.1.2(A): N/A

PROJECT GOLF ROAD

SITE: PINEWOOD ESTATES, WOODBRIDGE

TITLE: 1st FLOOR MECHANICAL LAYOUT

CLIENT NAME: NAME?	GFA: 12,640ft²
DATE: OCTOBER, 2025	SCALE: 3/16" = 1'0"
LO#	X25

REVISIONS	NOTES/DETAILS (MM/DD/YY):	BY:
1		
2		
3		
4		
5		

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SCHEMATIC LEGEND

- BACKFLOW PREVENTOR
- BALL VALVE
- AIR VENT
- PRESSURE REDUCING VALVE
- EXPANSION TANK
- BOOSTER PUMP
- THERMOSTATIC MIXING VALVE
- HOSE BIB
- PRESSURE RELIEF VALVE
- TEE
- TYCO MONOFLOW TEE
- BACKFLOW PREVENTOR
- BOILER
- TANKLESS WATER HEATER
- AIR HANDLER
- INDIRECT STORAGE TANK

NOTES:

ALL DRAWINGS AND RELATED DOCUMENTS ARE PROPERTY OF MARTINO HVAC DESIGN. REPRODUCTION IN WHOLE OR PART IS PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF MARTINO HVAC DESIGN; SHOULD A NON STANDARD KITCHEN EXHAUST FAN BE INSTALLED, MARTINO HVAC DESIGN SHALL BE CONSULTED IN REGARDS TO POSSIBLE DEPRESSURIZATION ISSUES OF THE DWELLING. *IT IS RECOMMENDED 6 WIRES SHALL BE SUPPLIED TO THERMOSTAT LOCATION BY ELECTRICIAN; PROGRAMMABLE THERMOSTATS SHALL BE INSTALLED AS PER OBC 12.3.1.3; FURNACES SHALL BE EQUIPPED WITH A BRUSHLESS DIRECT CURRENT MOTOR AS PER OBC 12.3.1.5(1); THE HRV/ERV CONTROLLER SHALL BE INSTALLED ON THE MAIN FLOOR AS THE PRINCIPLE VENTILATION CONTROL IN ACCORDANCE WITH OBC DIV. B 9.32.3.3* *ALL APPLICABLE UNLESS OTHERWISE NOTED: S/A DIFFUSERS = 4"x10", S/A RUNS = 5"ø, DOOR UNDERCUT = 1"min. FOR R/A, ALL R/A PARTITIONS SHALL BE 2x6 CONSTRUCTION

NOTES:

S/A = SUPPLY AIR REGISTER R/A = RETURN AIR REGISTER LW = LOW WALL REGISTER FAC = FREE & CLEAR CAVITY FLC = FISH LOCK COLLAR EXH = EXHAUST FLR = FLOOR Ø = DIAMETER OF ROUND PIPE A/C = AIR CONDITIONER

MECHANICAL LEGEND

SIDE DISCHARGE A/C CONDENSER | HEAT PUMP; TOP DISCHARGE A/C CONDENSER | HEAT PUMP; IN-LINE EXHAUST/SUPPLY CEILING REGISTER; HEATER ELECTRIC CEILING; EXHAUST IN-LINE DUCT; HEPA FILTRATION SYSTEM; DAMPER ZONE OR FIRE; MAKE-UP AIR W/ DUCT HEATER (MUA); GARAGE INTAKE LOUVER; GARAGE CEILING VENTILATOR (EF-1); DUCTLESS HEAD; R/A JOIST LINER; THERMOSTAT; HI-VELOCITY AIR HANDLER; EXH SUPPLEMENTAL FAN; ELECTRIC BASEBOARD HEATER; TANKLESS OR BOILER; HOT WATER TANK OR INDIRECT TANK (HWT); HRV/ERV; S/A TRUNK Ø; S/A HI-VELOCITY 2.5" Ø; S/A HE HI-VELOCITY 3" Ø; R/A 14x8 FAC; R/A 30x8 FAC; R/A 14x8 2@6'/7" Ø; R/A 30x8 2@6'/7" Ø; SA 5" Ø FLOOR; SA 6" Ø FLOOR; SA 5" Ø LOW WALL; SA 6" Ø LOW WALL; SA/RA 5"Ø STACK; SA/RA 6"Ø STACK; SA/RA 5"Ø BOOT; SA/RA 6"Ø BOOT; CONVENTIONAL FURNACE; R/A FLR 24x8 FAC; SA/RA TRUNK REDUCER; KITCHEN EXHAUST; SA/RA TAKEOFF; RA 6"Ø END or FLC

I Matthew Sivin declare that: I review and take responsibility for the design work and am qualified as an "other designer" under subsection 3.2.5 of Division C of the Ontario Building Code.

Qualification Information:

NAME	BCIN	HRAI	SIGNATURE
MATTHEW SIVIN	125852	15029	[signature]

SYSTEM #1		SYSTEM #2		SYSTEM #3		SYSTEM #4		SYSTEM #5		SYSTEM #6		SYSTEM #7		SYSTEM #8		SYSTEM #9	
MANUFACTURER: N/A	MANUFACTURER:(OR EQUIV.) N/A	MANUFACTURER: N/A	MANUFACTURER:(OR EQUIV.) N/A	MANUFACTURER: N/A	MANUFACTURER:(OR EQUIV.) N/A	MANUFACTURER: N/A	MANUFACTURER:(OR EQUIV.) N/A	MANUFACTURER: N/A	MANUFACTURER:(OR EQUIV.) N/A	MANUFACTURER: N/A	MANUFACTURER:(OR EQUIV.) N/A	MANUFACTURER: N/A	MANUFACTURER:(OR EQUIV.) N/A	MANUFACTURER: N/A	MANUFACTURER:(OR EQUIV.) N/A	MANUFACTURER: N/A	MANUFACTURER:(OR EQUIV.) N/A
MODEL: N/A	MODEL:(OR EQUIV.) N/A	MODEL: N/A	MODEL:(OR EQUIV.) N/A	MODEL: N/A	MODEL:(OR EQUIV.) N/A	MODEL: N/A	MODEL:(OR EQUIV.) N/A	MODEL: N/A	MODEL:(OR EQUIV.) N/A	MODEL: N/A	MODEL:(OR EQUIV.) N/A	MODEL: N/A	MODEL:(OR EQUIV.) N/A	MODEL: N/A	MODEL:(OR EQUIV.) N/A	MODEL: N/A	MODEL:(OR EQUIV.) N/A
INPUT BTU/H: N/A	TONS: N/A	INPUT BTU/H: N/A	TONS: N/A	INPUT BTU/H: N/A	TONS: N/A	INPUT BTU/H: N/A	TONS: N/A	INPUT BTU/H: N/A	TONS: N/A	INPUT BTU/H: N/A	TONS: N/A	INPUT BTU/H: N/A	TONS: N/A	INPUT BTU/H: N/A	TONS: N/A	INPUT BTU/H: N/A	TONS: N/A
OUTPUT BTU/H: N/A	HRV/ERV MFR:(OR EQUIV.) N/A	OUTPUT BTU/H: N/A	HRV/ERV MFR:(OR EQUIV.) N/A	OUTPUT BTU/H: N/A	HRV/ERV MFR:(OR EQUIV.) N/A	OUTPUT BTU/H: N/A	HRV/ERV MFR:(OR EQUIV.) N/A	OUTPUT BTU/H: N/A	HRV/ERV MFR:(OR EQUIV.) N/A	OUTPUT BTU/H: N/A	HRV/ERV MFR:(OR EQUIV.) N/A	OUTPUT BTU/H: N/A	HRV/ERV MFR:(OR EQUIV.) N/A	OUTPUT BTU/H: N/A	HRV/ERV MFR:(OR EQUIV.) N/A	OUTPUT BTU/H: N/A	HRV/ERV MFR:(OR EQUIV.) N/A
FAN SPEED:HEAT N/A cfm; FAN SPEED:COOL N/A cfm	HRV/ERV MODEL:(OR EQUIV.) N/A 75% EFF.	FAN SPEED:HEAT N/A cfm; FAN SPEED:COOL N/A cfm	HRV/ERV MODEL:(OR EQUIV.) N/A 75% EFF.	FAN SPEED:HEAT N/A cfm; FAN SPEED:COOL N/A cfm	HRV/ERV MODEL:(OR EQUIV.) N/A 75% EFF.	FAN SPEED:HEAT N/A cfm; FAN SPEED:COOL N/A cfm	HRV/ERV MODEL:(OR EQUIV.) N/A 75% EFF.	FAN SPEED:HEAT N/A cfm; FAN SPEED:COOL N/A cfm	HRV/ERV MODEL:(OR EQUIV.) N/A 75% EFF.	FAN SPEED:HEAT N/A cfm; FAN SPEED:COOL N/A cfm	HRV/ERV MODEL:(OR EQUIV.) N/A 75% EFF.	FAN SPEED:HEAT N/A cfm; FAN SPEED:COOL N/A cfm	HRV/ERV MODEL:(OR EQUIV.) N/A 75% EFF.	FAN SPEED:HEAT N/A cfm; FAN SPEED:COOL N/A cfm	HRV/ERV MODEL:(OR EQUIV.) N/A 75% EFF.	FAN SPEED:HEAT N/A cfm; FAN SPEED:COOL N/A cfm	HRV/ERV MODEL:(OR EQUIV.) N/A 75% EFF.