

Project Name:	City of Mississauga Fire Station 123 3050 The Collegeway, Mississauga, ON	Date Issued:	June 26, 2024
Quasar Project #:	CM-22-281		
DPAI Project #:	12301		

Distribution

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Addendum #: M03

Revision #: 0

This Addendum forms part of the Contract Specifications and Drawings, and modifies the Bidding Documents, with Amendments and Additions noted below. This Addendum shall be added to the front of the specifications as issued. Bidders shall acknowledge receipt of this Addendum in the space provided in the Bid Form and include in bid amount.

This addendum includes modifications to the drawings as summarized below. Unless otherwise noted, all drawings listed below are attached herewith.

1.0 Revisions to Drawings

- .1 Drawing M-301 – Level 01 Plan - Ventilation**
 - i) Added M1, M2 & M3 tags for motorized damper.
 - ii) Removed louver & motorized as shown in the plan.
- .2 Drawing M-610 – Mechanical Equipment Schedule I**
 - i) Revised louver size for L1, L2 & L3.
 - ii) Removed louver L5
- .3 Drawing M-611 – Mechanical Equipment Schedule II**
 - i) Added motorized damper schedule
- .4 Drawing M-650 – Control Sequences I**
 - i) Updated Apparatus Bay Fan Control Sequence

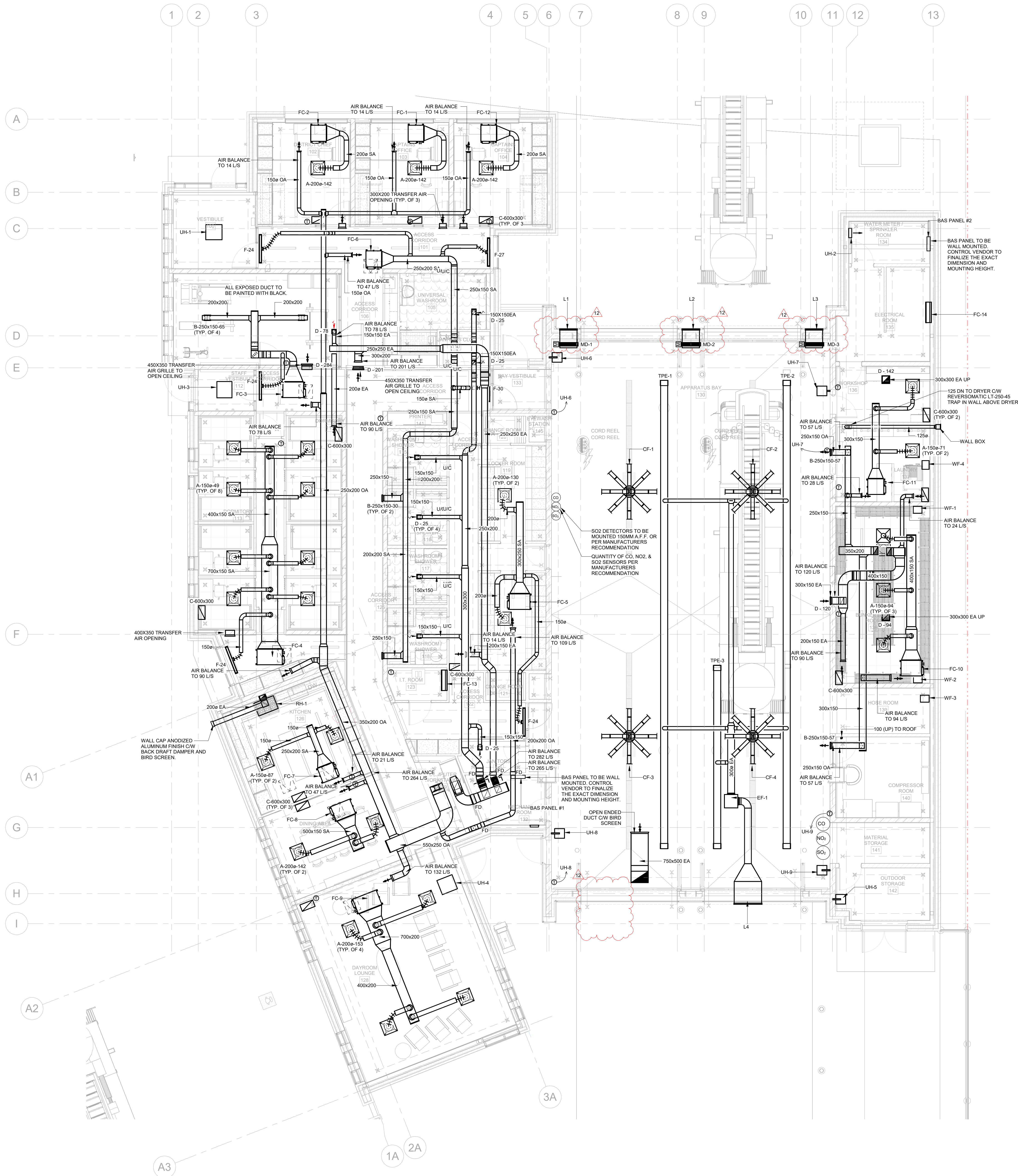
Quasar Consulting Group



George Mikhael, P.Eng.

Sector Lead

GM/cb



- GENERAL NOTES:
1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL LOCATIONS OF EQUIPMENT AND CONNECTING SERVICES. DRAWINGS ARE NOT TO BE DIMENSIONED OR SCALED.
 2. NOTE THAT ANY REFERENCE TO CONTRACTOR ON MECHANICAL DRAWINGS IS NOT EXCLUSIVE TO MECHANICAL CONTRACTOR OR ON PARTICULAR SUB-TRADE. IT IS UNDERSTOOD THAT THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATE OF ALL TRADES' WORK AND AS SUCH SHALL BE RESPONSIBLE FOR REVIEW OF DOCUMENTS PREPARED BY ALL DISCIPLINES (I.E. MECHANICAL AND ELECTRICAL) AND INCLUDING ALL ASSOCIATED COSTS FOR THE SCOPE OF WORK AS IDENTIFIED IN ALL SUB-DISCIPLINE'S DOCUMENTS.
 3. ALL WORK TO BE DONE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE AND ALL OTHER REGULATORY REQUIREMENTS.
 4. SUPPLY ALL LABOUR AND MATERIALS TO PROVIDE A COMPLETE MECHANICAL INSTALLATION. ITEMS NOT EXPLICITLY ILLUSTRATED ON THE DRAWINGS ARE NOT TO BE EXCLUDED FROM THE SCOPE OF WORK IF REQUIRED AS PART OF A PROPER INSTALLATION. PERMITS, TESTING, BALANCING, AND OCCUPANT OPERATIONAL TRAINING WILL BE PART OF THE WORK.
 5. EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS AND GRILLES ARE DETAILED ON ARCHITECTURAL REFLECTED CEILING PLANS.
 6. THE LOCATION OF ALL ROOF OPENINGS SHALL BE AS INDICATED ON THE MECHANICAL, STRUCTURAL AND ARCHITECTURAL DRAWINGS. COORDINATE EXACT SIZES OF OPENINGS AS REQUIRED.
 7. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS ETC AS REQUIRED FOR COMPLETE WORKABLE INSTALLATION.
 8. DUCTWORK SHALL BE INSULATED OR LINED PER SPECIFICATIONS AND/OR AS NOTED ON DRAWINGS. ALL DUCT JOINTS AND SEAMS SHALL BE SEAL PER SPECIFICATIONS.
 9. DUCT AND PLENUM SIZES ARE CLEAR INSIDE DIMENSIONS. WHERE DUCTWORK AND PLENUMS ARE INTERNALLY LINED, THEIR SIZES SHALL BE ADJUSTED TO PROVIDE THE INSIDE CLEAR DIMENSIONS INDICATED ON THE DRAWINGS.
 10. MANUAL BALANCING DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES AND IN ALL BRANCHES TO INDIVIDUAL DIFFUSERS, GRILLES AND REGISTERS, WHETHER SHOWN OR NOT.
 11. ALL DUCTWORK LOCATED OUTSIDE THE BUILDING SHALL BE WEATHERPROOFED.
 12. CONTRACTOR SHALL INSTALL ANY DUCT MOUNTED SMOKE DETECTORS FURNISHED BY THE ELECTRICAL CONTRACTOR.
 13. LIMIT LENGTHS OF FLEXIBLE DUCT TO 1200mm.
 14. COORDINATE LOCATIONS OF WALL MOUNTED SENSORS WITH ARCHITECTURAL DRAWINGS.
 15. MINIMUM DUCT SIZE TO DIFFUSERS TO MATCH DIFFUSER NEXT SIZE UNLESS OTHERWISE INDICATED.
 16. ALL THERMOSTATS & SENSORS LOCATED IN APPARATUS BAY SHALL BE WATERPROOF.

12	ISSUED FOR TENDER MECH ADD-3	2024-06-26
11	ISSUED FOR TENDER MECH ADD-2	2024-06-17
10	ISSUED FOR TENDER MECH ADD-1	2024-05-31
9	RESPONSE TO PERMIT COMMENTS	2024-05-01
8	ISSUED FOR TENDER	2024-05-01
7	RESPONSE TO PERMIT COMMENTS	2024-03-26
6	ISSUED FOR TENDER REVIEW	2024-03-08
5	ISSUED FOR PERMIT	2024-01-24
4	ISSUED FOR 99% CD	2024-01-19
3	ELECTRA COORDINATION	2023-12-18
2	ISSUED FOR DESIGN DEVELOPMENT	2023-10-06
1	ELECTRA SERVICE REQUEST	2023-08-11

NO.	ISSUES/REVISIONS	DATE
DRAWING TITLE:		
LEVEL 01 PLAN - VENTILATION		
ISSUE DATE: 2024-06-26		
DRAWN BY: Author		CHECKED BY: Checker
PROJECT NO.: CM-22-281		SCALE: As Indicated
DRAWING NO.: M-301		REVISION: 12

Air Cooled Condenser (Split AC)									
Tag	Manufacturer	Model	Cooling Capacity	Refrigerant Type	Electrical			Weight	Notes
			(kW)		V/Ph/Hz	MCA	MOCP		
CND-1	Mitsubishi	PUY-A12NKA7	3.52	R104A	208/1/60	11	28	41	
CND-2	Mitsubishi	PUY-A12NKA7	3.52	R104A	208/1/60	11	28	41	

Fan Coil Unit (Split AC)									
Tag	Manufacturer	Model	Cooling Capacity	Refrigerant Type	Electrical			Weight (Kg)	Notes
			(kW)		V/Ph/Hz	MCA	FLA		
FC-13	Mitsubishi	PKA-A12HA7	3.52	R104A	208/1/60	1	.33	41	
FC-14	Mitsubishi	PKA-A12HA7	3.52	R104A	208/1/60	1	.33	41	

Heat Pumps (VRF)										
Tag	Manufacturer	Model	Cooling capacity	Heating Capacity	Refrigerant Type	Electrical			Weight (kg)	Notes
			(kW)	(kW)		V/Ph/Hz	MCA	MOCP		
HP-1	Mitsubishi	PUHY-P96ZKMU-A	28.13	31.65	R104A	575/3/60	15	20	226	
HP-2	Mitsubishi	PUHY-P96ZKMU-A	28.13	31.65	R104A	575/3/60	15	20	226	

Fan Coil Unit (VRF)																					
Tag	Associated Condeser	Manufacturer	Model	Type	Service	Refrigerant	Airflow				Cooling			Heating		Sound	Electrical		Weight (Kg)	Note s	
							High (L/s)	Medium	low	ESP (Pa)	total capacity...	Sensible capacity	EAT (DB)	EAT (WB)	Capacity		EAT (DB)	Pressure (dB(A))			MCA
FC-1	HP-1	Mitsubishi	PEFY-P08NMAU-E4	Medium Static Ceiling Concealed Ducted	Heating/Cooling	R104A	141.58	125.066	100.053	149.304	2.34		26.7	19.4	2.64	21.1	24-28-30	1.75	208/1/60	21	
FC-2	HP-1	Mitsubishi	PEFY-P08NMAU-E4	Medium Static Ceiling Concealed Ducted	Heating/Cooling	R104A	141.58	125.066	100.053	149.304	2.34		26.7	19.4	2.64	21.1	24-28-30	1.75	208/1/60	21	
FC-3	HP-1	Mitsubishi	PEFY-P18NMAU-E4	Medium Static Ceiling Concealed Ducted	Heating/Cooling	R104A	283.17	241.637	200.106	149.304	5.28		26.7	19.4	5.86	21.1	29-33-37	2.94	208/1/60	26	
FC-4	HP-1	Mitsubishi	PEFY-P24NMAU-E4	Medium Static Ceiling Concealed Ducted	Heating/Cooling	R104A	416.73	350.185	291.664	149.304	7.03		26.7	19.4	7.91	21.1	31-35-39	2.88	208/1/60	30	
FC-5	HP-1	Mitsubishi	PEFY-P18NMAU-E4	Medium Static Ceiling Concealed Ducted	Heating/Cooling	R104A	283.17	241.637	200.106	149.304	5.28		26.7	19.4	5.86	21.1	29-33-37	2.94	208/1/60	26	
FC-6	HP-1	Mitsubishi	PEFY-P12NMAU-E4	Medium Static Ceiling Concealed Ducted	Heating/Cooling	R104A	175.09	150.079	125.066	149.304	3.52		26.7	19.4	3.96	21.1	26-30-34	2.13	208/1/60	21	
FC-7	HP-1	Mitsubishi	PEFY-P12NMAU-E4	Medium Static Ceiling Concealed Ducted	Heating/Cooling	R104A	175.09	150.079	125.066	149.304	3.52		26.7	19.4	3.96	21.1	26-30-34	2.13	208/1/60	21	
FC-8	HP-2	Mitsubishi	PEFY-P18NMAU-E4	Medium Static Ceiling Concealed Ducted	Heating/Cooling	R104A	283.17	241.637	200.106	149.304	5.28		26.7	19.4	5.86	21.1	29-33-37	2.94	208/1/60	26	
FC-9	HP-2	Mitsubishi	PEFY-P48NMAU-E4	Medium Static Ceiling Concealed Ducted	Heating/Cooling	R104A	616.36	524.806	433.248	149.304	14.07		26.7	19.4	15.83	21.1	35-40-44	4.38	208/1/60	39	
FC-10	HP-2	Mitsubishi	PEFY-P18NMAU-E4	Medium Static Ceiling Concealed Ducted	Heating/Cooling	R104A	283.17	241.637	200.106	149.304	5.28		26.7	19.4	5.86	21.1	29-33-37	2.94	208/1/60	26	
FC-11	HP-2	Mitsubishi	PEFY-P08NMAU-E4	Medium Static Ceiling Concealed Ducted	Heating/Cooling	R104A	141.58	125.066	100.053	149.304	2.34		26.7	19.4	2.64	21.1	24-28-30	1.75	208/1/60	21	
FC-12	HP-1	Mitsubishi	PEFY-P12NMAU-E4	Medium Static Ceiling Concealed Ducted	Heating/Cooling	R104A	175.09	150.079	125.066	149.304	3.52		26.7	19.4	3.96	21.1	26-30-34	2.13	208/1/60	21	

Electric Heaters								
Tag	Type	Manufacturer	Model	Location	Capacity (kW)	Airflow (L/s)	Electrical	Notes
							V/Ph/Hz	
UH-1	Cabinet Unit Heater	Ouellet	OCA02008	Vestibule-100	2	250	208/1/60	Ceiling mounted- Recessed
UH-2	Wall Fan Heater	Ouellet	OAC01500-T	Water Meter/Sprinkler Room - 134	1.5	160	208/1/60	Wall mounted- Recessed
UH-3	Cabinet Unit Heater	Ouellet	OCA02008	Staff Vestibule - 112	2	250	208/1/60	Ceiling mounted- Recessed
UH-4	Cabinet Unit Heater	Ouellet	OCA02008	Dayroom Lounge -128	2	250	208/1/60	Ceiling mounted- Recessed
UH-5	Electric Unit Heater	Ouellet	OAS05008AM	Outdoor Storage - 141	5	250	208/1/60	Ceiling Hung
UH-6	Electric Unit Heater	Ouellet	OAS07538AM	Apparatus Bay - 130	7.5	330.36	208/3/60	Ceiling Hung
UH-7	Electric Unit Heater	Ouellet	OAS07538AM	Apparatus Bay - 130	7.5	330.36	208/3/60	Ceiling Hung
UH-8	Electric Unit Heater	Ouellet	OAS07538AM	Apparatus Bay - 130	7.5	330.36	208/3/60	Ceiling Hung
UH-9	Electric Unit Heater	Ouellet	OAS07538AM	Apparatus Bay - 130	7.5	330.36	208/3/60	Ceiling Hung

Energy Recovery Ventilator														
Tag	Manufacturer	Model	Supply fan			Exhaust Fan			Electrical				Weight	Notes
			Airflow (L/s)	E.S.P (Pa)	Motor (Hp)	Airflow (L/s)	E.S.P (Pa)	Motor (Hp)	FLA	MCA	MOCP	V/Ph/Hz		
ERV-1	Renew Aire	HE-2XJRTV-S15UU	566.34	248.84	1.5	566.34	248.84	1.5	8.2-7.6	18.5	25	575/3/60	312.525	
ERV-2	Renew Aire	HE10-JRTV-S15EE-DGNT-L	236	235.97	1/3	236	248.84	1/3	1.73	3.9	15	208/1/60	188.241	

Grilles and Diffusers				
Tag	Type	Manufacturer	Model	Notes
A	Square Plaque Diffuser	E.H. Price	SPD	600 x 600 mm nominal face, frame style to suite ceiling type and color to be selected by architect. Size indicated on drawings.
B	Supply Air Grille	E.H. Price	520 Series	Color to be selected by architect. Size indicated on drawings.
C	Return Air Grille	E.H. Price	80 Series	13 x 13 x 13 mm Aluminum egg crate and color to be selected by architect. Size indicated on drawings.
D	Transfer/Exhaust Grille	E.H. Price	530 Series	19 mm spacing and color to be selected by architect. Size indicated on drawings.
E	Door Grille	E.H. Price	STG Series	Aluminum construction, mounted on door at lower lever. Blades Down towards to the floor. Size indicated on drawings.
F	Linear Supply Diffuser	E.H. Price	SDB 100	1200 mm long, 1 slot with 1" slot complete with plenum and damper. Color to be selected by architect.

Tag	Service	Location	Manufacturer	Model	Airflow (L/s)	E.S.P (Pa)	Motor(Hp)	Motor RPM	V/Ph/Hz	Speed control	Sound Power	Weight (kg)	Notes
EF-1	Vehicle Exhaust	Roof	PCI	SQBI-120	1132.67	1493	5	3500	575/3/60	-	-	120	Cash Allowance
EF-2	Garage Exhaust	Roof	Greenheck	GB-220	2359.73	248.84	1.49	891	575/3/60	-	-	61.24	
EF-3	Laundry Exhaust	Roof	Greenheck	G-100H...	143.94	248.84	0.19	1725	208/1/60	-	-	22.23	
EF-4	Bunker Gear Room Exhaust	Roof	Greenheck	G-097-A	94.389	248.84	0.19	1725	208/1/60	-	-	22.23	

Pumps														
TAG	SERVICE	LOCATION	MANUFACTURER	TYPE/SERIES	MODEL	FLUID TYPE	RPM	CAPACITY	HEAD	MOTOR SIZE	VFD	ELECTRICAL	PRESSURE	COMMENTS
								(L/s)	(kPa)	(Hp)			(Y/N)	
DWRPMP -1	DHW RECIRC	MECHANICAL ROOM	Bell & Gossett	EcoCIRC	XL N 20-35	DOMESTIC WATER	2,950	0.3	44.8	1/12	N	120/1/60	1,206.6	STAINLESS STEEL BODY
P-2	IN-FLOOR HEATING	MECHANICAL ROOM	Bell & Gossett	PL	PL-55	DOMESTIC WATER	3,250	0.95	104.6	2/5	N	120/1/60	-	
P-3	IN-FLOOR HEATING	MECHANICAL ROOM	Bell & Gossett	PL	PL-45	DOMESTIC WATER	3,300	0.95	59.78	1/6	N	120/1/60	-	REFER TO HYDRONIC SYSTEM SCHEMATIC

Domestic Hot Water Heater (Hybrid- Heat Pump)							
Tag	Manufacturer	Model	Storage Capacity (L)	First Hour Rating Hybrid Mode (LPH)	Input (KW)	V/Ph/Hz	Notes
DHWT-1	AO Smith	HPTU-80N	303	325	4.5/4.5	208/1/60	

Kitchen Range Hood							
Tag	Manufacturer	Model	Air Flow(L/s)	S.P.(Pa)	L x W x H (mm)	V/Ph/Hz	Notes
RH-1	Broan	E6436SSLC	94.4	124	914.4 x 558.8 x 254	115/1/60	C/W INTERIOR BLOWERS, LIGHTS, ADAPTOR, BACK DRAFT DAMPER, TRANSITION AND WALL CAP.

Engine Exhaust System							
Tag	Service	Location	Manufacturer	Model	Airflow (L/s)	E.S.P (Pa)	Notes
TPE-1	Firetruck Engine Exhaust	Apparatus Bay - 130 (Rail System)	PCI		330.36	845	COORDINATE PCI
TPE-2	Firetruck Engine Exhaust	Apparatus Bay - 130 (Rail System)	PCI		330.36	845	COORDINATE PCI
TPE-3	Firetruck Engine Exhaust	Apparatus Bay - 130 (Rail System)	PCI		-	-	COORDINATE PCI

Air Circulator Fan								
Tag	Manufacturer	Model	Diameter (m)	Location	Electrical		Weight (Kg)	Notes
					V/Ph/Hz	Max Watts		
CF-1	Big Ass Fans	Haiku	2.13	Apparatus Bay	120/1/60	42.3	11.8	C/W Cage
CF-2	Big Ass Fans	Haiku	2.13	Apparatus Bay	120/1/60	42.3	11.8	C/W Cage
CF-3	Big Ass Fans	Haiku	2.13	Apparatus Bay	120/1/60	42.3	11.8	C/W Cage
CF-4	Big Ass Fans	Haiku	2.13	Apparatus Bay	120/1/60	42.3	11.8	C/W Cage
WF-1	Hessaire	12HAFO	0.3048	Bunker Gear Room	120/1/60	-	7.7	C/W Mounting
WF-2	Hessaire	12HAFO	0.3048	Bunker Gear Room	120/1/60	-	7.7	C/W Mounting
WF-3	Hessaire	12HAFO	0.3048	Hose Room	120/1/60	-	7.7	C/W Mounting
WF-4	Hessaire	12HAFO	0.3048	Laundry Room	120/1/60	-	7.7	C/W Mounting

Louvres							
Tag	Type	Manufacturer	Model	Length (mm)	Height (mm)	Airflow (L/s)	Notes
L1	Inlet Louvre	E.H. PRICE	DE439	900	750	802.31	0.34 m^2 Free Area Minimum
L2	Inlet Louvre	E.H. PRICE	DE439	900	750	802.31	0.34 m^2 Free Area Minimum
L3	Inlet Louvre	E.H. PRICE	DE439	900	750	802.31	0.34 m^2 Free Area Minimum
L4	Exhaust Louvre	E.H. PRICE	DE439	1200	450	1132.67	0.25 m^2 Free Area Minimum
-	-	-	-	-	-	-	-

PLUMBING FIXTURE SCHEDULE						
FIXTURE TAG	DESCRIPTION	CONNECTION SIZES				REMARKS
		DCW	DHW	SAN	VENT	
WC-1/WC-2	WC - Flush Tank	25	n/a	100	38	
L-1/L-2	Lavatory	12	12	32	32	
S-1	Kitchen Two Comp. Sink	12	12	38	32	
S-2	Three Comp. Sink	12	12	50	38	
JS-1	Mop / Janitor's Sink	20	20	75	38	
SH-1	Shower	12	12	50	38	
DW-1	Dishwasher (Domestic)	n/a	12	38	32	INDIRECT CONNECTION TO SINK TAILPIECE
HB-1	Hose Bibb	20	n/a	n/a	n/a	C/W ATMOSPHERIC VACUUM BREAKER
FD-1	4" F D	n/a	n/a	n/a	38	
FD-1	3" F D	n/a	n/a	75	38	
FD-1	2" F D	n/a	n/a	50	38	
EW-1	Eyewash Station	12	12	38	32	TEMPERED WATER FROM T.M.V

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8	ISSUED FOR TENDER	2024-05-01
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6	ISSUED FOR TENDER REVIEW	202

Radiant Floor Heating Capacity Output Schedule (Klimatrol Environmental Systems) (ALTERNATIVE PRICE #1)											
Zone	Manufacturer	Total Output (KW)	Flow (L/S)	EWT (°C)	LWT (°C)	Fluid Pressure Drop (kPA)	Pipe Spacing (mm)	Area (m2)	Output per Area (KW/m2)	Surface Temperature (°C)	Comment
Apparatus Bay	Klimatrol	32.34	0.9	54.4	43.3	104.51	228.6	292.9	110.4	26.1	16.1°C Ambient
<div><div>- Klimatrol Environmental Systems Ltd. (905) 454-1742 is the basis of design. Alternate acceptable Uponor.</div><div>- Supply Klimatrol Hydronic System consisting of - 2 x 'ANURAV CABINETS' c/w (5/8" RaupeX PEXa, Heat exchanger, pumps, BACnet Controllers, Manifolds, Cabinets, Zone Valves, Actuators and Transformer, Pipe Ties, Bend Guides,).</div><div>- Supplier must rep their provided product and prove 10 years in business experience with proven 10 successfully completed jobs of similar size.</div><div>- Secure RAUPEX piping to dedicated circuits to wire mesh grid. Wire mesh and insulation provided by General Contractor.</div><div>- Minimum 11/2" concrete covering over 5/8" RaupeX pipes at 9" and 6" cc.</div><div>- Sleeve RaupeX across expansion joints and wherever pipe passes out of the slab.</div><div>- Install manifolds in serviceable location as indicate on floor plan, ensure cabinets are level and square, purge all air from system when filling</div><div>- Only Everloc couplers shall be used if pipe splice is required.</div><div>- Only as per Klimatrol design. Klimatrol shall provide detailed system Loop Design Shop Drawings for submittal and construction. Contractor shall not deviate from approved drawings.</div><div>- Apply a 68 lb air pressure test to manifolds and pipe field for concrete pours and the duration of building construction.</div><div>- Contact Klimatrol to witness installation and provide inspection report for each area immediately prior to concrete emplacement.</div><div>- Fluid fill is base building treated 40% PG.</div></div>											

Boiler								
Tag	Manufacturer	Model	Service	Location	Rating (KW)	V/Ph/Hz	Weight (Kg)	Remarks
B-1	PRECISION BOILER	PCW1-047B-600-150	In-Floor Heating	Mechanical Room	47	575/3/60	272.15	-

Expansion Tank							
Tag	Servicing	Manufacturer	Model	Fluid	Tank Size (L)	Max. Working Pressure (Kpa)	Max/Min Temperature (C)
ET-1	Domestic Hot Water	Armtrol	ST-12	Water	26.7	1034	60/4.4
ET-2	Radiant Floor Heating	Armtrol	ST-12	Water	26.7	1034	60/4.4

Trap Seal Primer						
Tag	Servicing	Manufacturer	Model	Voltage	Amps	Notes
TSP-1	Floor Drains	Precision Plumbing	PT-4	120/1/60	0.1	Refer to plan for location. Install 3/4" reduced pressure type back flow preventer on inlet to meet CSA B64.10 requirements.
TSP-2	Floor Drains	Precision Plumbing	PT-6	120/1/60	0.1	

Bottle Filling Station					
Tag	Manufacturer	Model	Voltage	Rated Watts	Notes
BF-1	Elkay	EZWSSM	115/1/60	15	Surface Mount Bottle Filling Station c/w filter.


Motorized Damper							
Tag	Manufacturer	Model	Size (MM)	Air Flow (L/S)	Actuator		
					Manufacturer	Model	Voltage
MD-1	Tamco	9000	900x750	802.31	Belimo	AFB24-SR	120/1/60
MD-2	Tamco	9000	900x750	802.31	Belimo	AFB24-SR	120/1/60
MD-3	Tamco	9000	900x750	802.31	Belimo	AFB24-SR	120/1/60



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DRAWINGS ARE NOT TO BE SCALED.

CONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB AND REPORT ANY DISCREPANCY TO ARCHITECTS BEFORE PROCEEDING WITH WORK.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE WORK.

SEALS

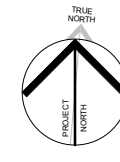
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2	ISSUED FOR DESIGN DEVELOPMENT	2023-10-06
1	ELECTRA SERVICE REQUEST	2023-08-11

NO. ISSUES/REVISIONS

DATE

DRAWING TITLE:

MECHANICAL EQUIPMENT SCHEDULE II



ISSUE DATE:

2024-06-26

DRAWN BY: Author

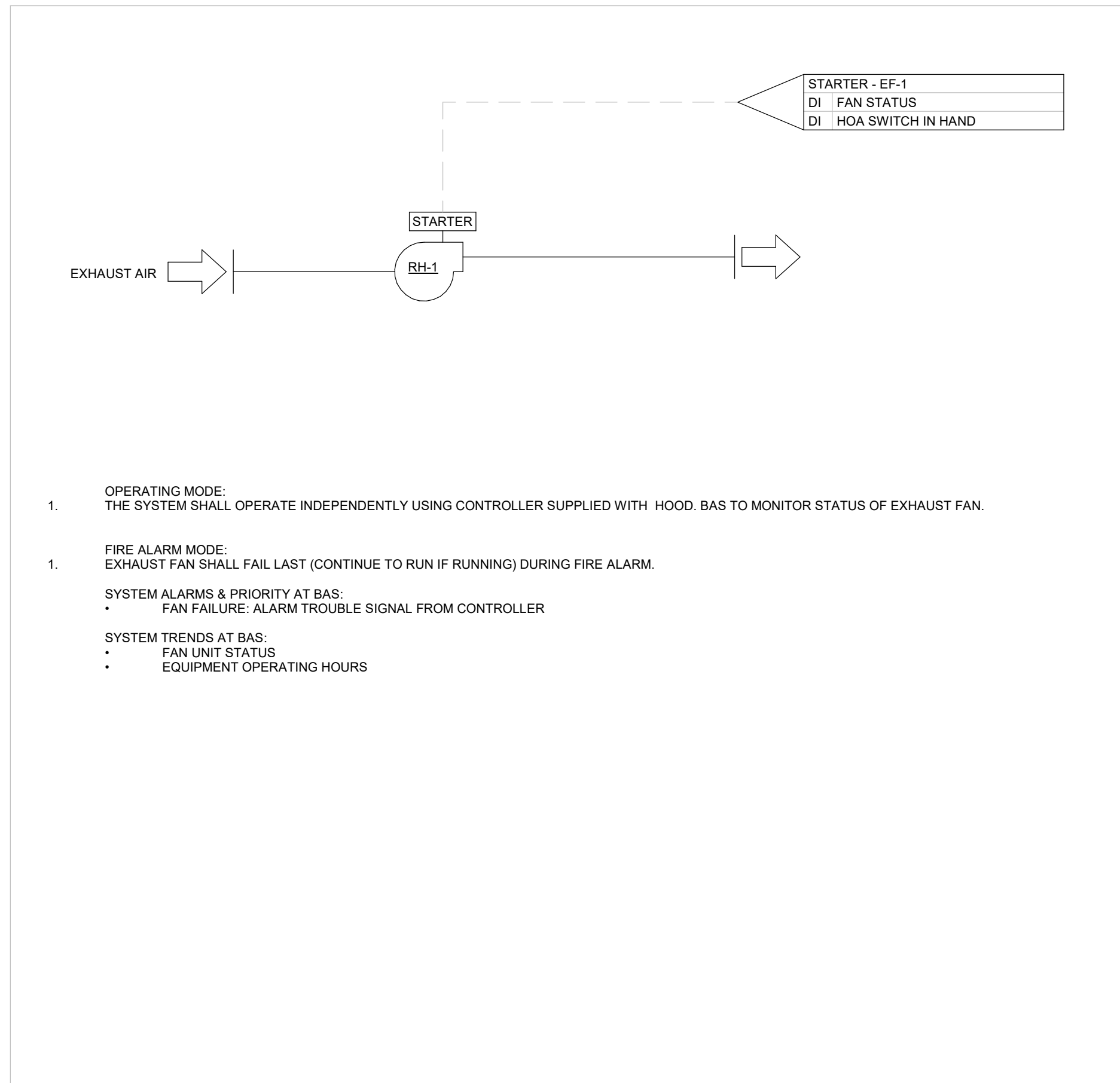
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PROJECT NO.: CM-22-281

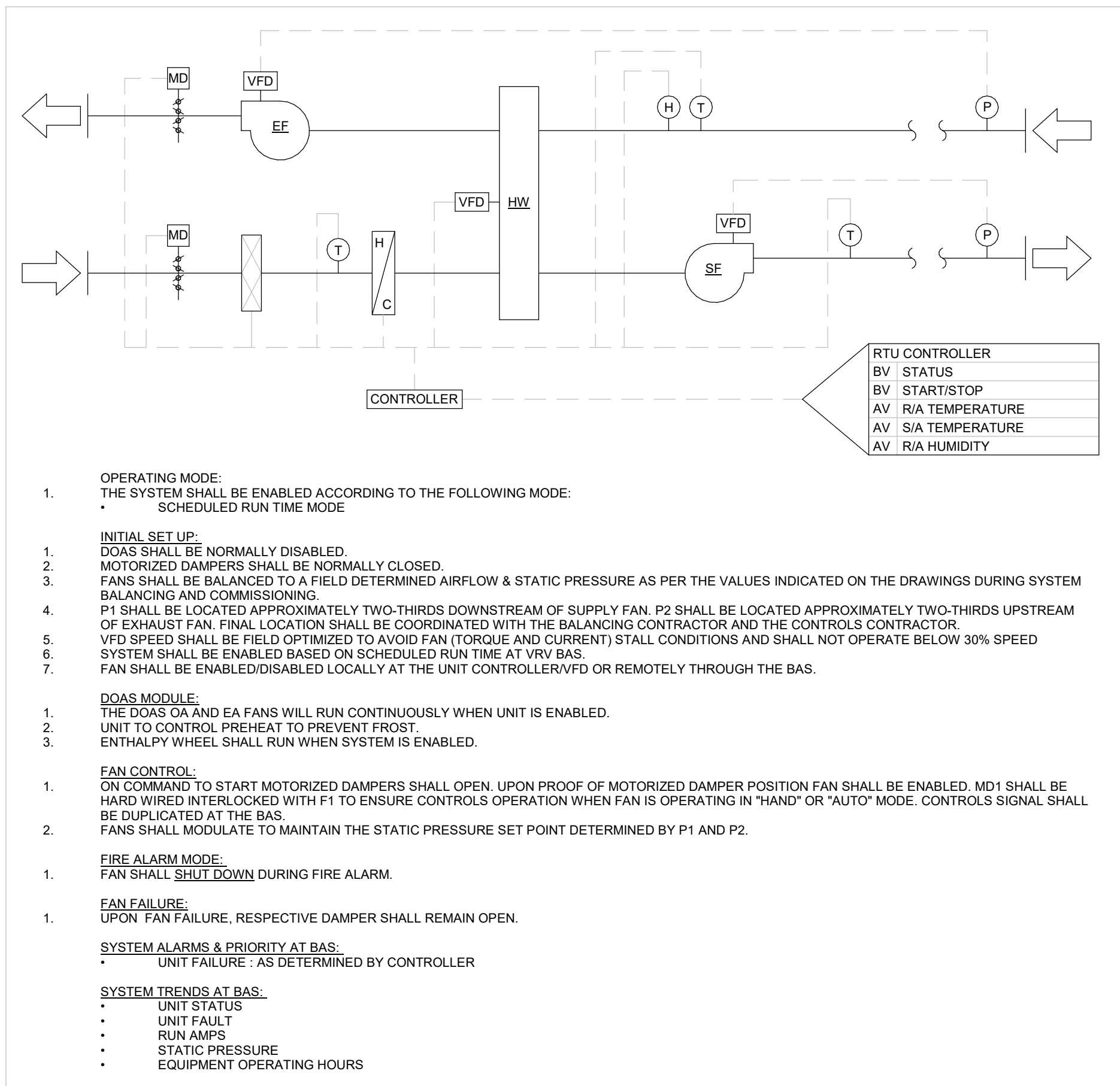
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DRAWING NO.:

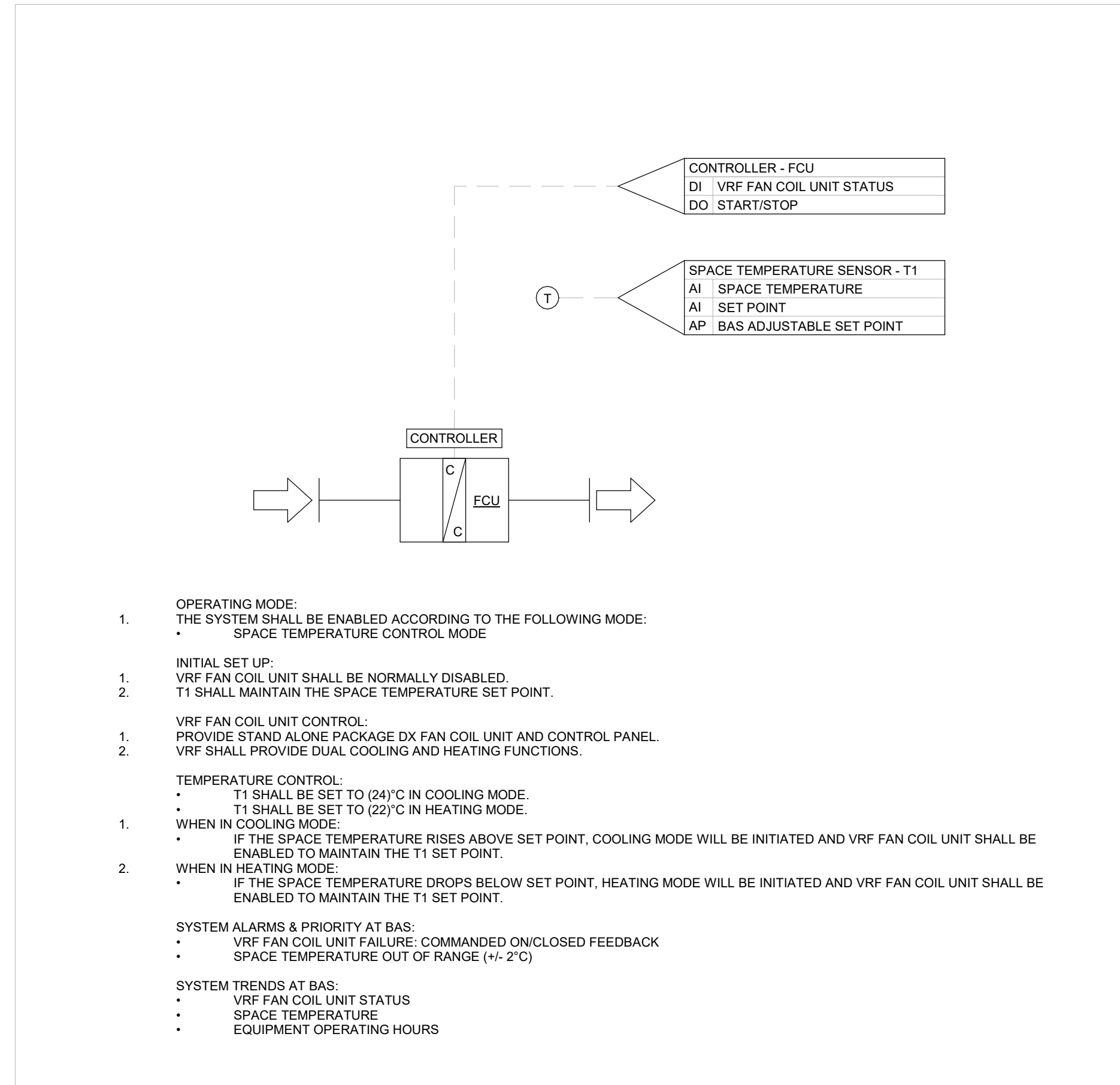
REVISION:



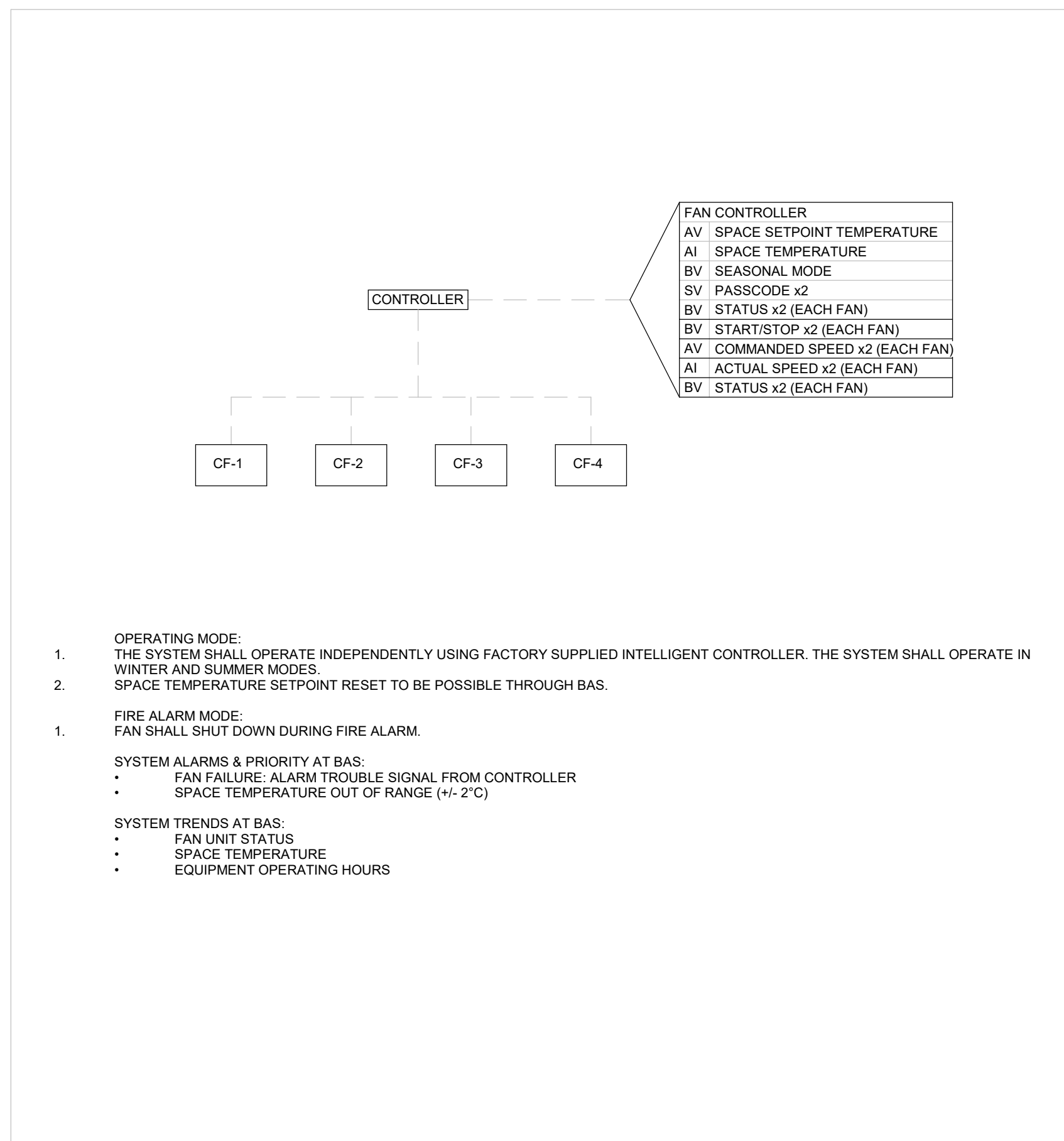
1 KITCHEN EXHAUST FAN CONTROL SEQUENCE
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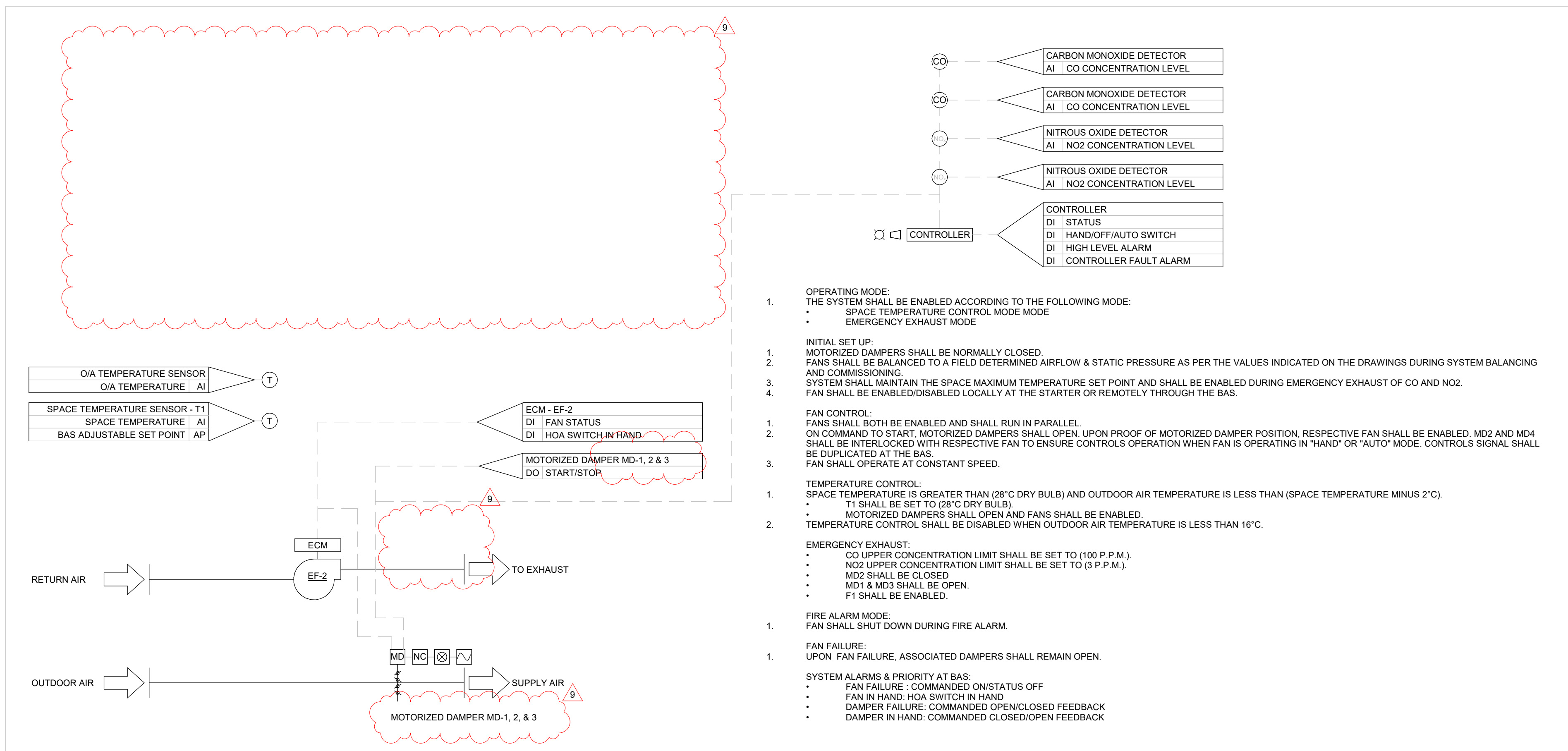
2 ENERGY RECOVERY VENTILATOR CONTROL SEQUENCE
SCALE: N.T.S.



3 VRV FAN COIL UNIT CONTROL SEQUENCE
SCALE: N.T.S.



4 CEILING MOUNTED DESTRATIFICATION FAN CONTROL SEQUENCE
SCALE: N.T.S.



5 APPARATUS BAY FAN CONTROL SEQUENCE
SCALE: N.T.S.

9	ISSUED FOR TENDER MECH ADD-3	2024-06-26
8	ISSUED FOR TENDER	2024-05-01
7	RESPONSE TO PERMIT COMMENTS	2024-03-26
6	ISSUED FOR TENDER REVIEW	2024-03-08
5	ISSUED FOR PERMIT	2024-01-24
4	ISSUED FOR 99% CD	2024-01-19
3	ELECTRA COORDINATION	2023-12-18
2	ISSUED FOR DESIGN DEVELOPMENT	2023-10-06
1	ELECTRA SERVICE REQUEST	2023-08-11

NO.	ISSUES/REVISIONS	DATE
DRAWING TITLE:		

CONTROL SEQUENCES I

ISSUE DATE:	2024-06-26		
DRAWN BY:	Author	CHECKED BY:	Checker
PROJECT NO.:	CM-22-281	SCALE:	N.T.S.
DRAWING NO.:			REVISION:

M-650

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