

SCHEDULE OF ENERGY RECOVERY UNITS																																	
GENERAL DATA				SUPPLY FAN DATA		EXH. FAN DATA		ELECTRICAL DATA		HEAT EXCHANGER		HW PREHEATER DATA ③				HW POSTHEATER DATA ③				FILTER	PHYSICAL DATA	REMARKS											
MARK	SERVICE	LOCATION	MODEL No. ①	CFM	E.S.P. IN WG	CFM	E.S.P. IN WG	MCA	MOP	ELECTRICAL SERVICE	MODEL	THERMAL EFFICIENCY (%)	CAPACITY TOTAL MBH	E.A.T. °F	L.A.T. °F	GPM	CAPACITY TOTAL MBH	E.A.T. °F	L.A.T. °F	GPM	TYPE		LxWxH(in.)/WEIGHT(lbs)										
ERU 1	ADDITION	MECH 102M	TR4000HW 208-3-CAV	4000	1.25	4000	1.25	20.3	25	208/3/60	HEAT WHEEL	75	92.8	26	47	9.3	101.3	47	70	10.1	2" MERV 13	76x58x82/1650	REFER TO ②④⑤										
NOTES	①	AS MANUFACTURED BY "SYSTEMAIR".										④	PROVIDE 100% OA ERU WITH MERV 13 FILTERS, INTEGRAL HOT WATER COILS, VIBRATION ISOLATORS, ECM MOTORS, 100% ECONOMIZER, DRY CONTACTS FOR DIRTY FILTER INDICATOR, FROST CONTROL, PHASE PROTECTION, AND MOTORIZED DAMPERS FOR OA, EA & ECONOMIZER FUNCTION.										⑤	INDICATED EQUIPMENT DESIGNATIONS ARE FOR USE IN CONSTRUCTION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER ON DESIRED FINAL TAG IDENTIFICATION/NUMBERING/LETTERING. OWNER APPROVED DESIGNATIONS SHALL BE USED IN BMS PROGRAMMING AND ON PERMANENT EQUIPMENT IDENTIFICATION TAGS. AS-BUILT DRAWINGS SHALL BE UPDATED WITH FINAL IDENTIFICATION TAG DESIGNATIONS.									
	②	INSTALL PER MANUFACTURER'S RECOMMENDATIONS.																															
	③	BASED ON ENTERING/LEAVING WATER TEMPERATURES HW 180/160°.																															

SCHEDULE OF CABINET HEATERS											
MARK	TYPE UNIT	MODEL No. ①	CAPACITY DATA				MOTOR HP	MOTOR RPM	ELECTRIC SERVICE	REMARKS	
			MBH	CFM	GPM	P.D.F.T.				REFER TO	
CH 4	CEILING MTD.	RC 1200 03	22.7	335	2.0	0.25	1/15	1050	120/1/60	2③④⑤⑥	
NOTES ① AS MANUFACTURED BY "STERLING". ② INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ③ CAPACITIES BASED ON HIGH SPEED FAN SETTING, AND 200 °F E.W.T. ④ PROVIDE 2 ROW COIL, THROWAWAY FILTERS, INTEGRAL SPEED CONTROL, DISCONNECT SWITCH, REMOTE WALL SENSOR, GASKET AND PERMA LAP FRAME. COORDINATE FINISH AND COLOR PER ARCHITECT. ⑤ UNIT DIMENSIONS 36"x25"x9.5", WEIGHT 150 LBS. ⑥ PROVIDE WITH HOT WATER RETURN AQUASTAT. AQUASTAT SHALL NOT ALLOW FAN TO OPERATE AT WATER TEMPERATURE BELOW 98 DEGREES F.											

SCHEDULE OF HOT WATER UNIT HEATERS											
MARK	MODEL No. ①	CAPACITY DATA		MOTOR HP	MCA	ELECTRIC SERVICE	PHYSICAL DATA		MTG.	REMARKS	
		BTU/HR	AMP				LxWxH (IN)	WEIGHT (LBS)		REFER TO	
UH 4	HS-024B	17,400	0.8	16W	1.0	115/1/60	15X10X18	30	CEILING	2③④	
UH 5	HS-048B	34,800	1.4	1/20	1.8	115/1/60	18X12X21	45	CEILING	REFER TO 2③④	
UH 6	HS-096B	69,700	2.2	1/12	2.8	115/1/60	20X14X24	50	CEILING	REFER TO 2③④	
NOTES ① AS MANUFACTURED BY "STERLING". ② INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ③ PROVIDE UNIT MOUNTED VARIABLE SPEED CONTROLLER AND MOUNTING HARDWARE. ④ PROVIDE ALL REQUIRED POWER RELAYS.											

SCHEDULE OF DEDICATED DUCTLESS SPLIT SYSTEMS																						
GENERAL DATA			OUTDOOR UNIT										INDOOR UNIT									
MARK	SERVICE	MODEL No. ①	COOLING (MBH)	HEATING (MBH)	LOCATION	L	D	H	UNIT WEIGHT (POUNDS)	SERVICE	MCA	MOCP	MARK	MAX CFM	MOUNTING LOCATION	LOCATION	L	D	H	UNIT WEIGHT (POUNDS)	REMARKS	
DS1 1	ELEC ROOM	LS363HLV3	33.0	35.2	GRADE	38	13	33	165	208/1/60	23	30	DS1 1	1,166	HIGH WALL	ELEC ROOM	48	11	15	50	REFER TO 2③④⑤	
DS2 2	DATA ROOM	LS363HLV3	33.0	35.2	GRADE	38	13	33	165	208/1/60	23	30	DS2 2	1,166	HIGH WALL	DATA ROOM	48	11	15	50	REFER TO 2③④⑤	
NOTES ① AS MANUFACTURED BY "LG". (KLIMA NEW YORK 914 255-4390) ② INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ③ PROVIDE PROGRAMMABLE THERMOSTAT, LOW AMBIENT CONTROL, MOUNTING HARDWARE AND VIBRATION ISOLATORS. ④ REFRIGERANT R410-A. ⑤ INDOOR UNIT POWERED BY OUTDOOR UNIT.																						

NOT IN SCOPE,  
BY OWNER

SCHEDULE OF MINIMUM VENTILATION ROOM FLOW RATES											
ROOM NAME/NUMBER	OCCUPANCY CATEGORY	ROOM AREA (SQ.FT.)	PEOPLE DENSITY (#P/1000 SQ.FT.)	PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	AREA OUTDOOR AIR FLOW RATE IN BREATHING ZONE (CFM/SQ.FT.)	EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	NUMBER OF PEOPLE (A*B)*1000=#P	OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (F*C)*(A*D)=CFM	ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	MINIMUM ROOM VENTILATION AIR FLOW RATE G+H=CFM	MINIMUM EXHAUST AIR FLOW RATE A+E=CFM
Office 1 / 108	OFFICE SPACE	175	5	5	0.06	0	1	16	0.8	19	0
Office 2 / 109	OFFICE SPACE	175	5	5	0.06	0	1	16	0.8	19	0
Office 3 / 110	OFFICE SPACE	175	5	5	0.06	0	1	16	0.8	19	0
Kitchen / 014	KITCHEN (COOKING)	300	20	7.5	0.12	0.7	6	81	0.8	101	210
Apparatus Bays / 002	PARKING GARAGES	2005	0	0	0	0.9	0	0	0.8	0	1805
Storage / 003	OCCUPIABLE STORAGE ROOMS FOR LIQUID OR GELS	370	2	5	0.12	0	1	49	0.8	62	0
Apparatus Bays / 103	PARKING GARAGES	2130	0	0	0	0.9	0	0	0.8	0	1917
Storage / 103A	OCCUPIABLE STORAGE ROOMS FOR LIQUID OR GELS	675	2	5	0.12	0	2	91	0.8	114	0

SCHEDULE OF OUTDOOR AIR SOURCE HEAT PUMPS													
GENERAL DATA				CAPACITY		PHYSICAL DATA		ELECTRICAL INFORMATION			EER	SEER	REMARKS
MARK	SERVICE	LOCATION	MODEL No. ①	COOLING CAPACITY BTU/HR	HEATING CAPACITY BTU/HR	DxWxH (IN)	WEIGHT (LBS)	V/PH/HZ	MCA	MOCp			
HP 1	OFFICES	GRADE	MULTI V S ARUN048GSS4	48,000	54,000	38x13x55	225	208/1/60	30	50	13.2	20	REFER TO ②③④⑤⑥⑦

NOTES

①

AS MANUFACTURED BY "LG.".

②

BASED ON A.R.I. CERTIFIED COIL SELECTIONS; REFRIGERANT R-410A.

③

INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

④

PROVIDE DC INVERTER COMPRESSOR SPEED CONTROL BASED ON SYSTEM LOAD.

⑤

PROVIDE PROGRAMMABLE THERMOSTAT, LOW AMBIENT CONTROL, HARD START, AND CRANKCASE HEATER.

⑥

INSTALL ON CONCRETE PAD FURNISHED BY OTHERS.

⑦

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NOT IN SCOPE,  
BY OWNER

SCHEDULE OF VRF HEAT RECOVERY INDOOR UNITS											
GENERAL DATA			INDOOR AIR HANDLER INFORMATION								REMARKS
MARK	LOCATION	MODEL No. ①	SUPPLY FAN DATA		COOLING COIL DATA ②		HEATING				
			HIGH CFM	MOTOR (AMPS)	TOTAL CAP SENSIBLE CAP BTU/HR	ENT. AIR TEMP DB/WH	TOTAL CAP. ENT. AIR BTU/HR	ENT. AIR TEMP			
EC 4	CEILING	ARNU153TQD4	530	2.09	208/1/60	15,400	11,400	80/67	17,100	70	REFER TO 2③④⑤
NOTES ① AS MANUFACTURED BY "LG.". ② PROVIDE FACTORY MOUNTED INTEGRAL CONDENSATE PUMP, CHECK VALVE, ANTI SWEAT SLEEVE, AND AUTO SHUTDOWN OVERFLOW SWITCH.											

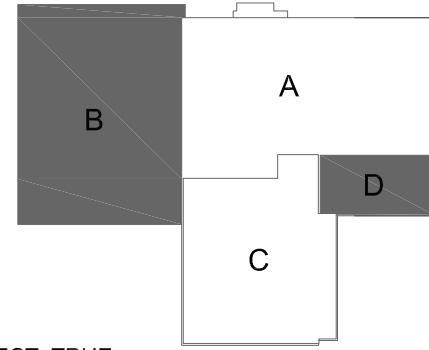
FIREHOUSE  
ADDITIONS & ALTERATIONS



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PROJECT TRUE  
NORTH NORTH  
KEY PLAN

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Professional Seal



No.	Date	Issue
6	06-11-2024	CONSTRUCTION DOCUMENTS
5	04-26-2024	ICC REVISION 2
4	03-18-2024	ICC REVISION 1
3	02-02-2024	ISSUED TO ICC
2	11-03-2023	DESIGN DEVELOPMENT
1	07-29-2023	SCHEMATIC DESIGN

Sheet Title

SCHEDULES

Job No.	2330.00	Date	03/19/24
Scale	AS NOTED	Drawn / Checked	BGA / BGA
Sheet Number	H301		