

AIR SEPARATOR SCHEDULE									BASED ON MANUFACTURER: TACO OR APPROVED EQUAL			
UNIT NO.	SERVICE	LOCATION	MANUF. & MODEL #	WORKING PRESSURE PSIG ASME	TANK SIZE				TANK CONNECTION SIZES (IN.)			REMARKS
					DIAMETER (LENGTH)	HEIGHT	CAPACITY (GALLONS)	WEIGHT (lbs.)	INLET	OUTLET	BOTTOM DRAIN	
AS-1	GLYCOL FILLER SYSTEM	MER 121	TACO AC05F-125	125	16	32½	—	165	5	5	1¼	SEE NOTES
AS-2	CLEAN WATER FILLER SYSTEM	MER 121	TACO AC02F-125	125	12	22½	—	45	2	2	1¼	SEE NOTES
AS-3	ENERGY RECOVERY	MER 121	TACO 433	125	(8)	6	—	7	1½	1½	½	SEE NOTES
AS-4	ENERGY RECOVERY	MER 121	TACO 434	125	(8)	6	—	7	2	2	½	SEE NOTES

NOTES:

- THE UNIT SHALL HAVE AN INTERNAL STAINLESS STEEL AIR COLLECTOR TUBE WITH ½" DIAMETER PERFORATIONS AND 63% OPEN AREA DESIGNED TO DIRECT ACCUMULATED AIR TO THE COMPRESSION TANK VIA A NPT VENT CONNECTION AT TOP OF UNIT.
- THE AIR SEPARATOR MUST BE DESIGNED, CONSTRUCTED AND STAMPED FOR 125 PSIG @ 350°F IN ACCORDANCE WITH SECTION VIII, DIVISION 1 OF THE ASME BOILER AND PRESSURE VESSEL CODE AND REGISTERED WITH THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS.
- THE AIR SEPARATOR(S) SHALL BE PAINTED WITH ONE SHOP COAT OF LIGHT GRAY AIR DRY ENAMEL.

DUCTLESS SPLIT-SYSTEM UNITS (BASED ON MITSUBISHI CORP.)												
MARK	LOCATION	TYPE	MANUFACTURER	MODEL #	NET COOLING CAPACITY BTU/HR	NET HEATING CAPACITY BTU/HR	MOUNTING	EER	FAN CFM	ELECTRICAL CHARACTERISTICS		REMARKS
										VOLTAGE	COP/POWER CONSUMPTION (WATTS)	
AC-1	AS SHOWN	INDOOR	DAIKIN	FFQ09Q2VJU	---	---	WALL	13.0		208/230V	4.58/1,050 MAX	SEE NOTES
ACCU-1	AS SHOWN	OUTDOOR	DAIKIN	RX09QMVJU	9,000	9,000	LOW ROOF	13.0		208/230V	4.58/1,050 MAX	SEE NOTES

NOTES:

- PROVIDE WITH INTERNAL CONDENSATE PUMP, PIPE DISCHARGE TO JANITOR SLOP SINK.
- PROVIDE WITH LOW AMBIENT OPERATION KIT (-20°F).
- OUTDOOR UNIT ON ROOF SHALL BE MOUNTED ON RAILS.
- PROVIDE WITH ACCESSORY COVER TO CONCEAL PIPING.
- PROVIDE CRANKCASE HEATER.
- PROVIDE WINTER START KIT.
- PROVIDE ISOLATION KIT.
- PROVIDE TEMPERATURE CONTROL, WIRELESS OPTION.
- INSTALLATION OF SPLIT SYSTEM MUST BE PER MANUFACTURERS INSTRUCTIONS.

COMMERCIAL PIPE INSULATION SCHEDULE

	FIBERGLASS PRE FORMED -K=0.26		
	INSTALLED THICKNESS (IN.)		
	FACING	< 1½"	> 1½"
CHS, CHR (40-60°F)	GLASS MAT	1"	1½"
HWS, HWR (100-211°F)	GLASS MAT	1"	2"
RUNOUTS (UP TO 48")	GLASS MAT	½"	½"
COOLING CONDENSATE	--	½"	½"

COMMERCIAL DUCT INSULATION SCHEDULE

	FACING	R VALUE INSIDE BUILDING ENVELOPE (AFTER INSTALLATION)	R VALUE OUTSIDE BUILDING ENVELOPE (AFTER INSTALLATION)
SUPPLY AIR	FSK*	R-5	R-8
RETURN AIR	FSK*	R-5	R-8
OUTDOOR INTAKE	FSK*	R-5	R-8
EXHAUST	--	--	--

* -- FOIL-SCRIM KRAFT

ELECTRIC UNIT HEATER SCHEDULE

UNIT NO.	UNIT TYPE	CFM	KW	ELECTRICAL DATA		MODEL	REMARKS
				VOLTS	PHASE		
EUH-1	HORIZONTAL DISCHARGE UNIT HEATER	350	5	208	1ø	MUH0531	SEE NOTE 1

NOTES:

- CONTROLS SHALL BE STANDARD THERMOSTAT SET AT 60°F THROUGH THE BMS.
- PROVIDE BACKING PLATE. COORDINATE IN FIELD.

ENERGY RECOVERY EXHAUST FAN SCHEDULE

MARK INFORMATION		FAN INFORMATION						MOTOR INFORMATION						HOT WATER COIL - RUNAROUND LOOP DATA - 30% PG						PLEATED PANEL FILTERS			REMARKS	
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*	SUMMER			FLOW RATE GPM	WINTER			TYPE	SIZES (IN)		DEPTH (IN)
														EWI °F	LWT °F	CAPACITY (MBH)		EWI °F	LWT °F	CAPACITY (MBH)				
1	ERF-1	VEKTOR-MH-15-9-70	2,500	2.202	2,444	2.92	1507	5	208/60/3	TF	1725	1	16.7	82	78	21.4	12.5	25	42	97.3	MERV 8	2 - 20x15	2	SEE NOTES
1	ERF-2	VEKTOR-MH-18-9-85	3,900	2.207	1,855	3.71	2295	5	208/60/3	TF	1725	1	16.7	80	77	26.6	19.5	31	46	136.2	MERV 8	2 - 20x14	2	SEE NOTES

- *NEC FLA - Based on table 430.250 or 430.248 of National Electrical Code 2020. Actual motor FLA may vary for sizing thermal overload, consult factory"
- PROVIDE WITH VFD DRIVE.

ELECTRIC DUCT HEATER SCHEDULE

UNIT NO.	AREA SERVED	LOCATION	TYPE	CFM	E.A.T. (F)	L.A.T. (F)	kW	COIL WxH	NUMBER OF STAGES	V/PH	MANUFACTURER & MODEL NUMBER	REMARKS
ERC-1	CT/XRAY	CT/XRAY	OPEN COIL	1700	80	90	5.0	20x12	SCR	208/1	INDEECO QUA	
ERC-2	AUTOPSY ASSIST	AUTOPSY ASSIT	OPEN COIL	540	77	92	2.5	12x10	SCR	208/1	INDEECO QUA	

NOTES:

- PROVIDE FACTORY MOUNTED CONTROL TRANSFORMER, THERMAL CUTOUTS, MANUAL RESETS, AIRFLOW SWITCH, DISCONNECT SWITCH, PILOTS LIGHTS AND ALL OTHER APPURTENANCES REQUIRED FOR A COMPLETE WORKING SYSTEM.
- ALL ELECTRICAL REHEAT COILS SHALL HAVE SCR CONTROL WITH DUCT SENSOR.

EXPANSION TANK SCHEDULE

UNIT NO.	SERVICE	LOCATION	MANUFACTURER'S MODEL NO.	OPERATING WEIGHT (LBS)	DIMENSIONS, INCHES (DIAM X H)	TANK VOLUME, GALLONS	TANK ACCEPTANCE VOLUME, GALLONS	FILL PRESSURE, PSIG	REMARKS
ET-1	SOURCE SYSTEM	MER 121	CA 215	765	20x64	57	57	30	
ET-2	DTS SYSTEM	MER 121	CA 90	312	20x29	23	23	20	
ET-3	RHC HW SYS	MER 121	CA 90	312	20x29	23	23	12	PLAIN WATER

NOTES:

- TANK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION VIII OF THE ASME BOILER AND VESSEL CODE AMD STAMPED FOR 125 PSIG WORKING PRESSURE.
- RELIEF VALVE SHALL BE SET AT 80 PSIG.

AIR OUTLET SCHEDULE

DESIGNATION AND SYMBOL	CFM RANGE	NECK SIZE ROUND	FACE SIZE	APPLICATION	MANUF. & MODEL NO.	ACCESSORIES	FRAME TYPE	MAX S.P.	FINISH	REMARKS
☒ CD-1	50-98 100-200 201-385 390-600 601-750	6" 8" 10" 12" 14"	24x24 24x24 24x24 24x24 24x24	SUPPLY AIR CEILING DIFFUSER	TITUS OMNI-NA	OPPOSED BLADE DAMPER	BORDER TYPE-3	0.040	#25 OFF-WHITE	
LCD-1	AS INDICATED	AS INDICATED		SUPPLY AIR LINEAR DIFFUSER	TITUS ML-37					
CD-2	AS INDICATED	8"ø	24x24	LAMINAR FLOW DIFFUSER	TITLE & BAILEY TENSOR					
☒ ER-1 ↑ RR-1 ↑ BR-1	100-170 175-275 280-420 450-800 850-1800 ABOVE	14"x18"	8x8 10x10 12x12 24x12 24x12 24x24 SEE PLANS	RETURN/ EXHAUST AIR CEILING REGISTER	TITUS 4 FL	AG-35AA OPPOSED BLADE DAMPER	TYPE-3A	0.100	ALUM.	
⊕→ SR-1	AS INDICATED	AS INDICATED	---	SUPPLY AIR SIDEWALL OR CEILING REGISTER	TITUS 122RS	AG-15 OPPOSED BLADE DAMPER	TYPE-3A	0.100	ALUM.	
⊕↖ ER-2	AS INDICATED	AS INDICATED	---	RETURN/ EXHAUST AIR SIDEWALL TOP REGISTER	TITUS 4 FL	AG-35AA OPPOSED BLADE DAMPER	TYPE-3A	0.100	ALUM.	INSTALL 6" B.F.C. U.N.O.
☑ TG/CG	AS INDICATED	AS INDICATED	---	RETURN AIR CEILING GRILLE	TITUS 4 FL	NO DAMPERS	TYPE-3A	0.050	ALUM.	

EXHAUST FAN SCHEDULE

UNIT NO.	SERVICE	LOCATION	CFM	E.S.P. (IN.)	DRIVE	FAN RPM	FAN BHP	MOTOR HP (W)	ELEC. DATA V/PH	MODEL NO.	REMARKS
EF-1	MEDICAL WASTE STOR.	ROOF	450	0.25	VG DIRECT	850	0.03	1/4	120/1	CUE-100-VG	SEE NOTES
EF-2	SALLY PORT EXHAUST	ROOF	2250	0.25	BELT	553	0.23	1/3	120/1	CUBE-200	SEE NOTES
EF-3	CHEM STORAGE	ROOF	355	0.25	DIRECT	1,300	0.06	--	120/1	G-095-G	SEE NOTES

NOTES:

- PROVIDE NEMA-1 SERVICE DISCONNECT SWITCH FOR ALL FANS.
- ALL FANS SHALL HAVE THERMAL OVERLOAD PROTECTION.
- PROVIDE PREFAB ROOF CURBS.
- PROVIDE ALL "EF" FANS WITH WALL TOGGLE SWITCH WITH PILOT LIGHT.
- EF-2 SHALL OPERATE VIA CO2 SENSOR FURNISH AND INSTALLED BY ATC SUB-CONTRACTOR. INTERLOCK OPERATION WITH WSHP-7 OUTSIDE AIR DAMPER.
- ALL FANS TO HAVE VFD'S.

GRAVITY VENTILATOR SCHEDULE

TAG	LOCATION	SERVICE	CFM	MAX P.D. (IN. WC)	THROAT SIZE (IN.)	ROOF CURB (IN.)	MATERIAL	MODEL	MANUFACTURER	REMARKS
RV-1	ROOF	OA (AHU-1)	2,300	0.12	14 X 34	16 X 30	ALUMINUM	FGI-14x34	GREENHECK	SEE NOTES
RV-2	ROOF	OA (AHU-2)	3,700	0.12	22 X 40	22 X 40	ALUMINUM	FGI-20x38	GREENHECK	SEE NOTES
RV-3	ROOF	OA (ERV-2)	1,275	0.12	16 X 20	32 X 20	ALUMINUM	FGI-14x18	GREENHECK	SEE NOTES
RV-4	ROOF	OA (WSHP-7)	1600 MAX 150 MIN	0.12	18 X 22	12 X 34	ALUMINUM	FGI-10x32	GREENHECK	SEE NOTES

NOTES:

- PROVIDE WITH INTEGRAL INSECT SCREEN
- INSTALL ON 18" HIGH ROOF CURBS.
- PROVIDE WITH MOTORIZED DAMPERS, LINKED TO RESPECTIVE AHU'S AND WSHP'S CONTROLS.

REVISION SCHEDULE

#	DESCRIPTION	DATE
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SEAL

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HVAC SCHEDULES

ORANGE COUNTY MEDICAL EXAMINER'S OFFICE

22 WELLS FARM RD.
GOSHEN, NY 10924

DATE: 11/18/2022

SCALE: AS SHOWN

DRAWN BY: ZR

CHECKED BY: DSS

APPROVED: MRF

CLIENT APPROVAL: 20071

HHA PROJ. NO.: 20071

CLIENT PROJ. NO.:

DATE:

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CLIENT APPROVAL:

HHA PROJ. NO.:

CLIENT PROJ. NO.:

SHEET NUMBER

H802