

AIR HANDLING UNIT SCHEDULE

DRAWING CODE	LOCATION	DESIGN BASIS MFR	MODEL	SYSTEM TYPE	SUPPLY FAN										PREHEAT HOT WATER COIL										CHILLED WATER COIL										REHEAT HOT WATER COIL										ELECTRICAL			WEIGHT (LBS)	NOTES	ACCESSORIES
					AIRFLOW (CFM)	OA (CFM)	MIN	MAX	TSP (IN WG)	FAN QTY	HP PER FAN	BHP TOTAL	RPM	MOTOR RPM	MOTOR TYPE	AIRFLOW (CFM)	VELOCITY (FPM)	EAT (°F)	LAT (°F)	MBH	WATER-FLOW (GPM)	EWT (°F)	LWT (°F)	WATER PD (FT)	AIRFLOW (CFM)	VELOCITY (FPM)	EAT (DBWB) (°F)	LAT (DBWB) (°F)	COOLING (MBH)	TOTAL	SENSIBLE	WATER-FLOW (GPM)	EWT (°F)	LWT (°F)	WATER PD (FT)	AIRFLOW (CFM)	VELOCITY (FPM)	EAT (°F)	LAT (°F)	MBH	WATER-FLOW (GPM)	EWT (°F)	LWT (°F)	WATER PD (FT)	VOLTAGE (V/PH/Hz)	MCA	MOP			
AHU-4	304 MECH ROOM	TRANE	PSCA 54	FOUR PIPE	27,620	2,760	11,000	3.75	4	7.5	30.0	2,211	1,800	ECM	13,810	277	23.0	53.4	455.0	45.61	130.0	110.0	2.5	27,620	540	80.0/70.1	52.8/52.7	1,516.0	830.8	215.0	44.0	58.0	7.2	27,620	554	56	85	865	87	130	110	1.79	460/3/60	40.0	45	8,952	1-6	A-L		

NOTES:

- REFER TO SPECIFICATION SECTION 23 73 33 - HEATING, VENTILATING, AND COOLING SYSTEM FOR FURTHER INFORMATION.
- COIL, DRAIN AND MOTOR SIDE ACCESS TO BE FIELD CONFIRMED PRIOR TO SUBMITTING FOR APPROVAL.
- MAXIMUM COIL FACE VELOCITY SHALL NOT EXCEED SCHEDULED VALUES.
- ALL CONTROLS SENSORS, ACTUATORS, WIRING AND VFD PROVIDED AND INSTALLED BY DDC CONTRACTOR.
- PROVIDE OPEN SPRING-FLEX ISOLATORS WITH 1-INCH DEFLECTION.
- REFER TO PLANS AND SECTION FOR UNIT ARRANGEMENTS.

ACCESSORIES:

- COOLING COIL SECTION SHALL BE PROVIDED WITH AN INSULATED, DOUBLE WALL, 201 STAINLESS STEEL DRAIN PAN WITH POSITIVE DRAINAGE MEETING INDOOR AIR QUALITY (IAQ) IN ACCORDANCE WITH ASHRAE 62.1.
- COPPER COIL, ALUMINUM FIN, GALVANIZED STEEL COIL CASING FOR HEATING COILS AND STAINLESS STEEL COIL CASING FOR COOLING COIL.
- UNIT PANELS SHALL BE MINIMUM 2" DOUBLE WALL FOAM R-13 CONSTRUCTION WITH ASHRAE 111 CLASS 6 CASING LEAKAGE.
- AHU PANELS SHALL BE PROVIDED WITH A MID-SPAN, NO-THRU-METAL, INTERNAL THERMAL BREAK. GALVANIZED STEEL EXTERIOR, STAINLESS STEEL INTERIOR.
- PROVIDE 2" MERV 8 PLEATED MEDIA FILTERS, THREE SETS OF EACH TYPE. PROVIDE ONE SET IN UNIT, PROVIDE ONE SET FOR INSTALLATION AFTER SYSTEM IS BALANCED AND BUILDING IS CLEANED, AND ONE SET FOR TURN OVER TO OWNER.
- HINGED ACCESS DOORS, MOTOR SIDE ONLY.
- 2 INCH ANGLE FILTER MIXING BOX.
- AC TYPE FAN MOTORS. SEE SCHEDULE FOR SIZES AND QUANTITIES.
- PROVIDE ELECTRICAL CIRCUIT FOR MARINE LIGHTS WITH SWITCH.
- PROVIDE ELECTRICAL CIRCUIT FOR RECEPTACLE.
- PROVIDE ELECTRICAL CIRCUIT FOR UV LIGHT IN COOLING COIL SECTION.
- MINIMUM COOLING COIL AND HEATING COIL TUBE VELOCITY 2.5 FPS.

PUMP SCHEDULE

DRAWING CODE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	APPROVED MANUFACTURERS	PUMP TYPE	SERVICE	FLUID	CAPACITY (GPM)	TOTAL DYNAMIC HEAD (FT)	EFFICIENCY (%)	INLET AND OUTLET SIZE (IN.)	MOTOR ENCLOSURE		SPEED (RPM)	HP	ELECTRICAL V/PH/Hz	NOTES	ACCESSORIES
											TYPE	MATERIALS					
PP-4	B&G	20-140	TACO, ARMSTRONG, PATTERSON	WET ROTOR	HEATING HOT WATER	WATER	45	10	56	1.5	ODP	CAST IRON	2,348	0.5	208-230/1/60	1	A,B

NOTES:

- REFER TO SPECIFICATION SECTION 232123 - HYDRONIC PUMPS FOR FURTHER INFORMATION.

ACCESSORIES:

- MODBUS PROTOCOL.
- ECM MOTOR.

ROOF HOOD SCHEDULE (ALTERNATE #1)

DRAWING CODE	LOCATION	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	APPROVED MANUFACTURERS	TYPE	CONSTRUCTION MATERIAL	ROOF CURB		SCREENING		FINISH	CAPACITIES AND CHARACTERISTICS						NOTES	ACCESSORIES
							CONFIGURATION	HEIGHT (IN.)	TYPE	MATERIAL		HEIGHT (IN.)	WIDTH (IN.)	DEPTH (IN.)	FREE AREA (SQ. FT.)	AIR VELOCITY (FPM)	PRESSURE DROP (IN. WG.)		
RV03	ROOF	GREENHECK	FGI-49x84	TWIN CITY, PENNBARRY	INTAKE	ALUMINUM	-	-	INSECT	GALVANIZED	ANODIZED	26	94	132	28.58	966	0.159	1.2,3	-
RV04	ROOF	GREENHECK	FGI-49x84	TWIN CITY, PENNBARRY	INTAKE	ALUMINUM	-	-	INSECT	GALVANIZED	ANODIZED	26	94	132	28.58	966	0.159	1.2,3	-
RV05	ROOF	GREENHECK	FGI-49x84	TWIN CITY, PENNBARRY	INTAKE	ALUMINUM	-	-	INSECT	GALVANIZED	ANODIZED	26	94	132	28.58	966	0.159	1.2,3	-
RV06	ROOF	GREENHECK	FGI-49x84	TWIN CITY, PENNBARRY	INTAKE	ALUMINUM	-	-	INSECT	GALVANIZED	ANODIZED	26	94	132	28.58	966	0.159	1.2,3	-
RV07	ROOF	GREENHECK	FGR-49x84	TWIN CITY, PENNBARRY	RELIEF	ALUMINUM	-	-	NONE	-	ANODIZED	26	94	132	28.58	966	0.159	1.2,3	A
RV08	ROOF	GREENHECK	FGR-49x84	TWIN CITY, PENNBARRY	RELIEF	ALUMINUM	-	-	NONE	-	ANODIZED	26	94	132	28.58	966	0.159	1.2,3	A
RV09	ROOF	GREENHECK	FGR-49x84	TWIN CITY, PENNBARRY	RELIEF	ALUMINUM	-	-	NONE	-	ANODIZED	26	94	132	28.58	966	0.159	1.2,3	A
RV10	ROOF	GREENHECK	FGR-49x84	TWIN CITY, PENNBARRY	RELIEF	ALUMINUM	-	-	NONE	-	ANODIZED	26	94	132	28.58	966	0.159	1.2,3	A

NOTES:

- REFER TO SPECIFICATION SECTION 233723 - HVAC GRAVITY VENTILATORS FOR FURTHER INFORMATION.
- CONTRACTOR TO HAVE A 3RD PARTY ENGINEER PROVIDE CALCULATIONS TO MEET 146MPH WIND RATING.
- ROOF CURB IS EXISTING.

ACCESSORIES: A. TAMCO SERIES 7000CW BACKDRAFT DAMPER WITH SALT WATER RESISTANCE.

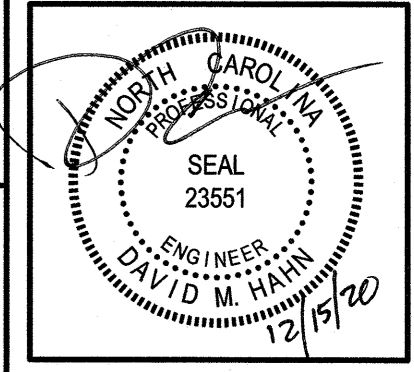
NO.	DATE	DESCRIPTION	BY
1	12.16.20	REVISED PER ADDENDUM #1	GRM
2	12.16.20	CONSTRUCTION	GRM
3	12.16.20	DESCRIPTION	DMH

CBHF
Engineers, PLLC

2246 Yaupon Drive
Wilmington, NC 28401

Phone: 910.791.4000
Fax: 910.791.5266
www.cbhfindesign.com

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UNIVERSITY OF NORTH CAROLINA WILMINGTON
TRASK HVAC REPLACEMENT
601 S. COLLEGE ROAD, WILMINGTON, NORTH CAROLINA 28403
STATE ID#20-22523-01A

HVAC SCHEDULES

JOB NO.:	20138
DRAWN:	GRM
DESIGNED:	GRM
CHECKED:	DMH

DRAWING NO:
M-601

REVISION:
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