



HARRIS TEETER INC.
 201 CRESTDALE DR.
 MATTHEWS, NC 28105
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HARRIS TEETER #297

**CARRMILL MALL
 CARBORO, NC**

PROJECT MANAGER:	KENDY STACY
JOB NO.:	20-01241-02
DR. BY:	MSKEM
REVISIONS:	
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SHEET NAME:
HVAC SCHEDULES

SHEET NO.
H3.1

SALES AREA ROOF TOP UNIT SCHEDULE

MARK	AREA SERVED	SYSTEM ELECTRICAL					EER	SUPPLY FAN			TOTAL AIR (CFM)	OUTSIDE AIR (CFM)		TOTAL COOLING CAPACITY		DX COILS								NATURAL GAS HEATING				HEAT RECLAIM COIL				REMARKS	
		VOLTS	PHASE	HZ	MCA	MOCP		E.S.P. (IN. WG.)	RPM	HP		SENSIBLE (BTUH)	LATENT (BTUH)	DESCRIPTION	CONDITIONED AIR (CFM)	TOTAL	SENSIBLE	DB	WB	DB	WB	INPUT (MBH)	OUTPUT (MBH)	CONDITIONED AIR (CFM)	AIR TEMP. RISE (°F)	CIRCUIT	CAPACITY (BTUH)	TOTAL AIR (CFM)	AIR TEMP. RISE (°F)	REFRIGERANT			
RTU-5	MAIN SALES	208	3	60	241	250	11.1	2.0	1,549	15.0	12,500	2,250	4,500	346,464	206,547	O.A. PRECOOL COIL	4,500	159,615	95,114	93.0	76.0	74.0	66.8	800	640	12,500	47.19	1	228,090	12,500	16.82	HFC-407g	SEASONS 4/DUAL PATH PACKAGE ROOFTOP WITH SUBCOOLING COIL AND HEAT RECLAIM COIL. NOTES: ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩
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- NOTES:
- UNIT SHALL BE PURCHASED BY HARRIS TEETER.
 - PROVIDE INSULATED BASE FOR INSTALLATION ON DUNNAGE, BURGLAR BARS, UNIT FUSED DISCONNECT AND 2 IN. PLEATED FILTERS.
 - UNIT SHALL BE PROVIDED WITH DUAL MINIMUM OUTSIDE AIR DAMPER. THE OUTSIDE AIR DAMPER POSITION SHALL BE INTERLOCKED WITH THE OPERATION OF THE HOOD EXHAUST FAN EF-1 AND 2. WHEN EXHAUST FANS ARE OPERATING OUTSIDE AIR DAMPER SHALL BE SET TO THE MAXIMUM OUTSIDE AIR SETPOINT, WHEN THE FANS ARE OFF THE OUTSIDE AIR DAMPER SHALL BE SET TO THE MINIMUM OUTSIDE AIR SETPOINT.
 - PROVIDE WITH FACTORY MOUNTED RETURN AIR SMOKE DETECTOR. (DETECTOR TO BE PROVIDED BY THE FIRE ALARM SYSTEM VENDOR FOR FACTORY INSTALLATION).
 - PROVIDE CONDENSER FAN GUARDS ON THE INLET AND OUTLET SIDES OF CONDENSER FANS.
 - FACTORY FURNISHED AND WIRED CPC I/O BOARDS, SENSORS AND MISCELLANEOUS CONTROL DEVICES AS REQUIRED FOR FULL OPERATION OF UNIT.
 - PROVIDE HEAT RECLAIM COIL SIZED TO MATCH THE AVAILABLE HEAT RECLAIM FROM THE PRODUCT REFRIGERATION RACKS (VERIFY HEAT RECLAIM DATA WITH REFRIGERATION CONTRACTOR) RACK B: CIRCUIT 1 HEAT RECLAIM COIL, RACK C: CIRCUIT 2 HEAT RECLAIM COIL.
 - REFRIGERANT R410A.
 - PROVIDE FLEXIBLE DUCT CONNECTORS AT INLET AND OUTLET DUCT CONNECTIONS.
 - PROVIDE CONDENSATE PAN OVERFLOW SWITCH INTERLOCKED WITH UNIT CONTROLS TO SHUT OFF UNIT IF MOISTURE REACHES THE OVERFLOW LEVEL.

ROOF TOP UNIT SCHEDULE

MARK	AREA SERVED	ELECTRICAL					SUPPLY FAN				OUTDOOR AIR (CFM)	COOLING CAPACITY (NOTE 2)			NATURAL GAS HEATING			MANUFACTURER	MODEL	REMARKS
		VOLTS	PHASE	HERTZ	MCA	MOCP	AIR (CFM)	E.S.P. (IN. WG.)	RPM	BHP		TOTAL (MBH)	SENSIBLE (MBH)	SEER (EER)	INPUT (MBH)	OUTPUT (MBH)	AFUE			
RTU-4	STOCKROOM	208	3	60	42.0	50	3,400	1.2	1341	1.29	485	94.14	77.86	(12.5)	150.0	120.0	0.80	TRANE	YHC102	①②③④⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭⑮⑯⑰⑱⑳

- NOTES:
- UNITS SHALL BE PURCHASED BY HARRIS TEETER.
 - GROSS COOLING CAPACITIES BASED ON 80°F DB/67°F WB E.A.T. AND 95°F DB O.A.T.
 - ALL UNITS ARE DOWNFLOW CONFIGURATION.
 - PROVIDE THROUGH THE BASE ELECTRICAL CONNECTION WITH FACTORY MOUNTED WEATHERPROOF ELECTRICAL DISCONNECT, ANTI-SHORT CYCLE TIMER, HIGH-LOW PRESSURE SWITCH, COIL HAIL GUARDS, THROWAWAY AIR FILTERS.
 - PROVIDE PHASE LOSS PROTECTION (ICM450) FOR FIELD INSTALLATION BY ELECTRICAL CONTRACTOR.
 - PROVIDE MOTORIZED 0-50% OUTDOOR AIR DAMPER.
 - HIGH SPEED, BELT DRIVE, OVERSIZED MOTOR WHERE REQUIRED TO MEET LISTED EXTERNAL STATIC PRESSURE.
 - PROVIDE ECONOMIZER WITH ENTHALPHY CONTROLS.
 - PROVIDE UNITS WITH ALL NECESSARY CONTROLS REQUIRED TO INTERFACE WITH THE ENERGY MANAGEMENT SYSTEM.
 - HVAC CONTRACTOR SHALL FIELD INSTALL CPC RTC BOARDS IN WEATHERPROOF ENCLOSURE.
 - ALL LOOSE CPC CONTROL COMPONENTS SHALL BE FURNISHED BY HARRIS TEETER.
 - PROVIDE 16" HIGH ROOF CURB, INCLUDING BURGLAR BARS. CURBS SHALL BE SLOPED TO MATCH ROOF PITCH. SEE ARCHITECTURAL DRAWINGS FOR ROOF SLOPE.
 - REFRIGERANT R410A.
 - PROVIDE SELF CONTAINED HOT GAS REHEAT COIL AND ASSOCIATED DEHUMIDIFICATION CONTROLS.
 - PROVIDE WALL MOUNTED 7 DAY PROGRAMMABLE 2 STAGE COOL/ 2 STAGE HEAT THERMOSTAT WITH NIGHT SETBACK.
 - PROVIDE LOW AMBIENT CONTROL TO ALLOW COOLING OPERATION TO 0°F.
 - PROVIDE FLEXIBLE DUCT CONNECTIONS AT INLET AND OUTLET DUCT CONNECTIONS.
 - PROVIDE CONDENSATE PAN OVERFLOW SWITCH INTERLOCKED WITH UNIT CONTROLS TO SHUT OFF UNIT IF MOISTURE REACHES THE OVERFLOW LEVEL.
 - PROVIDE WITH 65K SCCR RATING.
 - FACTORY FURNISHED AND INSTALLED RETURN AIR SMOKE DETECTOR.

FAN SCHEDULE

MARK	AREA SERVED	CFM	E.S.P. (IN. W.G.)	DRIVE TYPE	FAN RPM	MOTOR			MANUFACTURER	MODEL	REMARKS	CONTROL METHOD
						POWER	VOLTS	PHASE				
EF-4	EMPLOYEE TOILETS	630	0.375	DIRECT	1550	1/8 HP	115	1	COOK	100C15DH	NOTES-2, 4, 6, 8, 9 & 12	FAN TO RUN CONTINUOUSLY

- NOTES:
- NOT USED.
 - EF-4 SHALL BE PURCHASED BY HVAC CONTRACTOR THROUGH McNAMARA & COMPANY.
 - REFER TO SHEET H2.1 FOR COMPLETE FAN SPECIFICATION.
 - PREWIRED DISCONNECT, ROOF CURB, BACKDRAFT DAMPER, BURGLAR BARS, HINGED FAN/CURB CONNECTION.
 - WHITE PLASTIC GRILLE, BACKDRAFT DAMPER, ROOF CAP WITH BIRDSCREEN AND CURB.
 - FAN SPEED CONTROLLER.
 - PRE-WIRED DISCONNECT, INLET/OUTLET FLEX DUCT CONNECTORS, HANGING SPRING ISOLATORS, LINE VOLTAGE CONTROL THERMOSTAT, AND WHITE PLASTIC GRILLE.
 - HINGED FAN/CURB CONNECTION.
 - CURB SHALL BE WELDED TO ROOF DECK.
 - BURGLAR BARS
 - FAN SHALL BE SHIPPED KNOCKED DOWN, FIELD ASSEMBLY BY MECHANICAL CONTRACTOR.
 - FAN SHALL BE INSTALLED ON EXISTING CURB. FIELD VERIFY EXISTING CURB DIMENSIONS AND PROVIDE CURB ADAPTOR AS REQUIRED TO ALLOW NEW FAN TO FIT ON THE EXISTING CURB AND MAINTAIN DISCHARGE MINIMUM 40" ABOVE ROOF.
 - HURRICANE RATED CONSTRUCTION, MIAMI-DADE COUNTY, FL. NOA 14-1218.05 / 10-02-2018

NOTE:
 ALL BIDDING HVAC CONTRACTORS TO CONTACT McNAMARA & COMPANY---RICK THOMAS @ (704) 906-5244 FOR HVAC EQUIPMENT PACKAGE PROPOSAL. HVAC CONTRACTOR TO PURCHASE EQUIPMENT PACKAGE FROM McNAMARA & COMPANY. NO EXCEPTIONS. HVAC CONTRACTOR IS RESPONSIBLE FOR ACCEPTING AND COORDINATING EQUIPMENT DELIVERY. HARRIS TEETER WILL PURCHASE EXHAUST HOOD, WET CHEMICAL FIRE SYSTEM FOR HOOD, ROOFTOP HVAC UNITS AND ROOFTOP FANS.

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