



**FOOD LION**  
REMODEL  
STORE #2839  
860 PARRIS ISLAND GTWY  
BEAUFORT, SC 29906

PROJECT NO: 2021.1218  
DATE: 7/5/22

40 OF 54  
**M6.01**  
MECHANICAL SCHEDULES

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**ROOFTOP UNIT SCHEDULE - CUSTOM (SEASONS 4 - GAS/ELEC HEAT)**

MARK	MANUFACTURER/MODEL NO.	SERVICE	NOMINAL COOLING (TONS)	SUPPLY FAN DATA				COOLING COIL DATA				MIXED AIR COOLING COIL DATA				NAT. GAS HEAT DATA		ELEC. HEAT DATA		FILTER DATA		COND. FAN DATA		COMPRESSOR DATA		UNIT ELECTRICAL DATA			EER AT AHRI	IPLV AT AHRI	WEIGHT (LB)	NOTES	
				SUPPLY (CFM)	O.A. CFM	MOTOR (HP)	E.S.P. (IN WG)	EAT DB/WB	LAT DB/WB	TOTAL (MBH)	SEN. (MBH)	COIL CFM	EAT DB/WB	LAT DB/WB	TOTAL (MBH)	SEN. (MBH)	INPUT (MBH)	OUTPUT (MBH)	STAGES	KW	STAGES	O.A.	R.A.	NO.	HP	RLA	LRA	VOLTS/PH					MCA
RTU-1 (AC-1)	OCTAGON / OAS-32T-12C-4000-SP	SALES AREA	-	10500	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
RTU-2 (AC-2)	OCTAGON / OAS-47T-20C-7000-SP	SALES AREA	-	16000	4000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	

NOTES:  
1. M.C. SHALL BE RESPONSIBLE FOR PROVIDING MATERIAL AND LABOR FOR BELT & DRIVE CHANGE, AS NECESSARY, TO PROVIDE THE SCHEDULED AIRFLOW. COORDINATE REQUIREMENTS WITH TAB CONTRACTOR.

**ROOFTOP UNIT SCHEDULE**

MARK	MANUFACTURER/MODEL NO.	SERVICE	NOMINAL COOLING (TONS)	SUPPLY FAN DATA				COOLING COIL DATA				ELEC. HEAT DATA		FILTER DATA		COND. FAN DATA		COMPRESSOR DATA		UNIT ELECTRICAL DATA			WEIGHT (LB)	REMARKS							
				SUPPLY (CFM)	O.A. CFM	MOTOR (HP)	E.S.P. (IN WG)	EAT DB/WB	LAT DB/WB	TOTAL (MBH)	SEN. (MBH)	KW	STAGES	SIZE	NO.	HP	NO.	HP	RLA	LRA	VOLTS/PH	MCA			MOCOP						
RTU-3 (AC-3)	YORK / ZS-25N30B2A1AA1A2	MEZZANINE	-	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
RTU-DB	TRANE / THC092	DELI/BAKERY	7.5	3000	300	1.0	0.60	80/67	-	92	68.6	20.3	2	(4)20x25x2	1	0.75	2	4.1/2.4	15.9/10	110/71	208/3	81	90	1100	2	-	8				

NOTES:  
1. EXISTING TO REMAIN. M.C. TO CLEAN EXISTING COILS. DATA PROVIDED IS PER AS-BUILT DRAWINGS AND IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY.  
2. STANDARD FACTORY CONTROLS. UNIT CAPACITY BASED ON ARI RATING CONDITIONS.  
3. ROOF CURB FOR NEW INSTALLATIONS (INCLUDED IN UNIT WEIGHT) AND COIL GRIDS.  
4. EXISTING ROOF CURB TO BE USED WHEN POSSIBLE. ADAPTOR CURB FURNISHED BY SESCO (WHEN REQUIRED).  
5. UNIT TO BE PROVIDED WITH HOT GAS REHEAT DEHUMIDIFICATION OPTION.  
6. M.C. TO PROVIDE START-UP SERVICES FOR NEW ROOF TOP UNITS.  
7. MOTORIZED O.A. DAMPER, 0-25%, WITH INTAKE HOOD.  
8. PROVIDE THROUGH THE BASE SINGLE POINT POWER CONNECTION & UNPOWERED CONVENIENCE OUTLET.

**HEAT RECLAIM COIL SCHEDULE**

MARK	MANUFACTURER/MODEL NO.	SERVICE	AIRFLOW (CFM)	REFRIG. TYPE	REFRIG. CIRCUIT	TOTAL HEAT REJECTION (MBH)	RECLAIM HEAT (MBH)	COIL PIPING ORIENTATION	REMARKS
HRC-1	OCTAGON / -	RTU-1	SEE RTU	-	A	-	-	-	1
HRC-2	OCTAGON / -	RTU-2	SEE RTU	-	B	-	-	-	1

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**FAN SCHEDULE**

MARK	MANUFACTURER/MODEL NO.	SERVICE	LOCATION	TYPE	AIRFLOW (CFM)	E.S.P. (IN WG)	NOMINAL RPM	DRIVE	ELECTRICAL DATA			REMARKS
									HP	WATTS	VOLTS/PH	
TF-1	S&P / SQD1250	WORKROOM	CEILING	INLINE	1400	0.50	1331	DIRECT	0.50	-	120/1	2
TF-2	COOK - GN642	ASSOC./DEPT. MGR. OFFICE	CEILING	INLINE	500	0.25	1500	DIRECT	-	177	120/1	2
EF-1	COOK / GC542	LOUNGE	CEILING	CABINET	300	0.375	1600	DIRECT	-	119	120/1	3
EF-2	COOK / GC322	RESTROOM-EMPLOYEE	CEILING	CABINET	100	0.375	1468	DIRECT	-	32.2	120/1	3
EF-3	- / -	RESTROOM-WOMEN	CEILING	CABINET	250	-	-	-	-	-	120/1	1
EF-4	- / -	RESTROOM-MEN	CEILING	CABINET	250	-	-	-	-	-	120/1	1
EF-5	COOK / GC422	RESTROOM-WOMEN-MEZZ	CEILING	CABINET	350	0.375	1600	DIRECT	-	115	120/1	3
EF-6	- / -	RESTROOM-MEN-MEZZ	CEILING	CABINET	250	-	-	-	-	-	120/1	1
EF-7	COOK / 48 LXUL	MECHANICAL ROOM	CEILING	CABINET	21500	-	-	-	-	-	208/3	1
EF-8	COOK / GC542	JANITOR AREA	CEILING	CABINET	300	0.375	1600	DIRECT	-	177	120/1	3

NOTES:  
1. EXISTING TO REMAIN. DATA PROVIDED IS PER AS-BUILT DRAWINGS AND IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY.  
2. TRANSFER FAN SHALL HAVE PLUG DISCONNECT AND VIBRATION ISOLATOR KIT. TF-1 WIRED THROUGH LIGHTING CIRCUIT. TF-2 CONTROLLED BY INLINE THERMOSTAT. MC IS RESPONSIBLE FOR INSTALLATION OF INCLUDED 1" AIR FILTER IN RETURN GRILLE ON WORKROOM TRANSFER FAN.  
3. EXHAUST FAN SHALL HAVE PLUG DISCONNECT & WALL OR ROOF CAP WITH BIRDSCREEN (REPLACE EXISTING CAP AS NECESSARY). M.C. TO INSTALL BALANCING DAMPER IN DUCT IF NOT EXISTING (FIELD VERIFY SIZE BEFORE ORDERING).  
4. EXHAUST FAN SHALL HAVE STANDARD DISCONNECT, FACTORY MOUNTED SPEED CONTROLLER, BACKDRAFT DAMPER AND ALUMINUM BIRDSCREEN.  
5. EXHAUST FAN SHALL HAVE NEMA DISCONNECT, UNIT MOUNTED SPEED CONTROLLER, HINGED BASE KIT, 12" GREASE TROUGH, ROOF CURB AND U.L. 762 LISTING.  
6. EXHAUST FAN SHALL HAVE NEMA 3 DISCONNECT AND ALUMINUM BIRDSCREEN.

**AIR-DISTRIBUTION SCHEDULE**

MARK	MANUFACTURER/MODEL NO.	MATERIAL	FRAME	TYPE	PANEL SIZE	CONN. SIZE	REMARKS
S1	- / -	-	-	-	-	-	1
S2	METALAIRES / 5500-1	ALUM.	LAY-IN	SUPPLY; DIFFUSER, LOUVER FACE W/APD	-	12x12x10	2
S3	METALAIRES / H4004-1	ALUM.	SURFACE	SUPPLY; DOUBLE DEFLECTION GRILLE	-	12x12x10	2
S4	METALAIRES / H4004-1	ALUM.	SURFACE	SUPPLY; DOUBLE DEFLECTION GRILLE	-	10x10x8	2
S5	METALAIRES / H4004-1	ALUM.	SURFACE	SUPPLY; DOUBLE DEFLECTION GRILLE	-	16x16	2
S6	METALAIRES / 5500-6	ALUM.	LAY-IN	SUPPLY; DIFFUSER, LOUVER FACE W/APD	-	14x14x12	2
S7	METALAIRES / H4004-1	ALUM.	SURFACE	SUPPLY; DOUBLE DEFLECTION GRILLE	-	12x12	2
S8	METALAIRES / H4004-1	ALUM.	SURFACE	SUPPLY; DOUBLE DEFLECTION GRILLE	-	18x6	2
R1	- / -	-	-	-	-	-	1
R2	METALAIRES / CC5F-6	ALUM.	LAY-IN	RETURN; GRILLE, 1x1x1 CORE	48x24	46x22	2
R3	METALAIRES / CC5F-6	ALUM.	LAY-IN	RETURN; GRILLE, FILTER BACK, 1/2x1/2x1/2 CORE	24x24	22x22	2

NOTES:  
1. EXISTING TO REMAIN. DATA PROVIDED IS PER AS-BUILT DRAWINGS AND IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. CLEAN & RE-USE.  
2. COLOR OF DEVICES SHALL BE OFF-WHITE UNLESS NOTED OTHERWISE. SESCO TO PROVIDE SQUARE TO ROUND ADAPTER (WHEN REQUIRED).

**KITCHEN VENTILATING SCHEDULE (EXHAUST/SUPPLY)**

MARK	HOOD DATA				EXHAUST FAN DATA					SUPPLY FAN DATA					REMARKS		
	MANUFACTURER/MODEL NO.	TYPE	SIZE	SWITCH LOC.	MANUFACTURER/MODEL NO.	CFM	SP	HP	RPM	VOLT/PH	MANUFACTURER/MODEL NO.	CFM	SP	HP		RPM	VOLT/PH
KH-1	AEROLATOR / -	ISLAND	4'0"x3'9"	WALL MTD.	CAPTIVEAIRE / DU180HFA	1400	1.0	1.0	1048	208/3	CAPTIVATE / AJ-15D	700	0.5	0.5	1101	208/3	1, 2, 6
KH-2	AEROLATOR / ASW	ISLAND	7'8"x4'0"	WALL MTD.	CAPTIVEAIRE / -	2500	1.40	2.0	1197	208/3	-	-	-	-	-	-	1, 2, 6
SH-1	CAPTIVEAIRE / V-VHB-G-ND	WALL MTD.	4'0"x4'0"	WALL MTD.	CAPTIVEAIRE / DU12HFA	420	0.40	0.25	1265	115/1	-	-	-	-	-	-	3, 4, 5

NOTES:  
1. EXISTING TO REMAIN. DATA PROVIDED IS PER AS-BUILT DRAWINGS AND IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY.  
2. IT IS THE RESPONSIBILITY OF THE G.C. TO ENSURE THAT EXISTING FIRE SUPPRESSION IS REWORKED (AS REQUIRED) WHEN NEW EQUIPMENT IS PLACED UNDER THE EXISTING HOOD.  
3. HOOD SHALL HAVE CONTROLS MOUNTED INSIDE HOOD FIRE CABINET AND 3" STAND-OFF.  
4. CT PROVIDED BY SESCO; INSTALLED AND WIRED BY E.C. FOR AUTOMATIC OPERATION OF HOOD FAN(S). REFERENCE EMS WALK THROUGH NOTES FOR MORE INFORMATION.  
5. HOOD SHALL BEAR THE FOLLOWING LABELS: UL, NSF, NFPA 96, BOCA, & SBOCS.  
6. INSTALL NEW EXHAUST FAN. IF NEW ADAPTER IS USED, MC TO REMOVE EXISTING ADAPTOR/S AND ENSURE EXISTING DUCT IS EXTENDED TO THE NEW FAN.

ALL HVAC EQUIPMENT AND CONTROLS SHALL BE PURCHASED FROM SESCO dba MCNAMARA & CO. (336)-996-2220.

ALL BELT DRIVE FANS:  
M.C. SHALL BE RESPONSIBLE FOR PROVIDING MATERIAL AND LABOR FOR BELT & DRIVE CHANGE, AS NECESSARY, TO PROVIDE THE SCHEDULED AIRFLOW. COORDINATE REQUIREMENTS WITH TAB CONTRACTOR.

**AIR CURTAIN (FLY FAN) SCHEDULE**

MARK	MANUFACTURER/MODEL NO.	SERVICE	MOUNTING HEIGHT	MAX. FPM @ NOZZLE	AIR VOLUME (SCFM)	ELECTRICAL DATA			REMARKS
						HP	VOLTS/PH	AMPS	
AC-1	- / -	ENTRANCE	-	-	-	-	120/1	-	1
AC-2	- / -	ENTRANCE	-	-	-	-	120/1	-	1
AC-3	- / -	DSD DOOR	-	-	-	-	120/1	-	1
AC-4	BERNER / IDC12-2096A	RECEIVING	10'-0" AFF	5292	3188	201/2	120/1	13.0	2, 3, 4
AC-5	BERNER / IDC12-2096A	RECEIVING	10'-0" AFF	5292	3188	201/2	120/1	13.0	2, 3, 4
AC-6	BERNER / IDC12-1048A	RECEIVING	4'-0" AFF	5292	1594	101/2	120/1	6.5	2, 3, 4

NOTES:  
1. EXISTING TO REMAIN. DATA PROVIDED IS PER AS-BUILT DRAWINGS AND IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY.  
2. MOUNTING HEIGHT IS UNIT NOZZLE DISCHARGE HEIGHT.  
3. PROVIDE CONTACTOR PANEL WITH MAGNETIC SWITCH.  
4. FIELD FABRICATE WALL STAND-OFF MOUNTING BRACKET. DO NOT MOUNT TO ROLL-UP DOOR.

**GAS INFRARED HEATER SCHEDULE**

MARK	MANUFACTURER/MODEL NO.	SERVICE	NATURAL GAS DATA			FAN DATA		REMARKS	
			INPUT (MBH)	OUTPUT (MBH)	STAGES	HP	VOLTS/PH		AIRFLOW (CFM)
IH-1	- / -	RECEIVING	-	-	-	-	208/3	-	1
IH-2	- / -	RECEIVING	-	-	-	-	208/3	-	1

NOTES:  
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