

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		LAT	TOTAL (MBH)	SEN. (MBH)	KW	STAGES	SIZE	NO.	HP	NO.	HP	RLA	LRA	VOLTS/PH	MCA	MOCP		
								DB/WB	DB/WB																	
RTU-DB	TRANE / TSC060	DELI/BAKERY	5.0	2000	200	1.0	0.60	80/67	--	60	49	13.1	2	(2)20x35x2	1	0.40	1	4.3	15.9	110	208/3	54	60	700	1 – 6	
RTU-1	TRANE / THC092	FRONT	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	1 – 6	
NOTES: 1. STANDARD FACTORY CONTROLS. UNIT CAPACITY BASED ON ARI RATING CONDITIONS. 2. ROOF CURB FOR NEW INSTALLATIONS (INCLUDED IN UNIT WEIGHT) AND COIL GUARDS. 3. EXISTING ROOF CURB TO BE USED WHEN POSSIBLE. ADAPTOR CURB FURNISHED BY SESCO (WHEN REQUIRED). 4. M.C. TO PROVIDE START-UP SERVICES FOR NEW ROOF TOP UNITS. 5. MOTORIZED O.A. DAMPER, 0-25%, WITH INTAKE HOOD. 6. PROVIDE THROUGH THE BASE SINGLE POINT POWER CONNECTION & UNPOWERED CONVENIENCE OUTLET.																										

AIR HANDLING UNIT SCHEDULE																					
MARK	MANUFACTURER/MODEL NO.	SERVICE	FAN DATA					COOLING DATA					HEATING DATA			FILTER DATA		APPROX. WEIGHT (LBS)	REMARKS		
			SUPPLY (CFM)	O.A. (CFM)	T.S.P. (IN WG)	MOTOR (HP)	VOLTS/PH	EAT DB/WB	LAT DB/WB	DX COIL (CFM)	TOTAL (MBH)	SENSIBLE (MBH)	EAT (F°)	LAT (F°)	CAPACITY (MBH) (KW)	(QTY.) SIZE	TYPE				
AHU-1	WITT / HL31FL	SALES AREA	20040	4000	--	--	208/3	--	--	--	--	--	SEE HEAT RECLAIM COIL SCHEDULE	--	--	THROWAWAY	--	1			
AHU-2	WITT / HN14FL	COLD AISLE	7150	--	--	--	208/3	--	--	--	--	--	SEE HEAT RECLAIM COIL SCHEDULE	--	--	THROWAWAY	--	1			
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.																					

CONDENSING UNIT SCHEDULE											
MARK	MANUFACTURER/MODEL NO.	SERVICE	FAN DATA		COMPRESSOR DATA		ELECTRICAL DATA			WEIGHT (LBS)	REMARKS
			NO.	HP	NO.	HP (EA.)	VOLTS/PH	MCA	MOCp		
CU-1	RUSSELL / VCD60H22DDM	AHU-1	--	--	--	--	208/3	--	--	--	1
NOTE: 1. EXISTING TO REMAIN. M.C. TO CLEAN EXISTING COILS. DATA PROVIDED IS PER AS-BUILT DRAWINGS AND IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY.											

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	WITT / --	AHU-1	SEE AHU	--	A	--	--	--	1
HRC-2	WITT / --	AHU-2	SEE AHU	--	B	--	--	--	1
NOTE: 1. EXISTING TO REMAIN. M.C. TO CLEAN EXISTING COILS. DATA PROVIDED IS PER AS-BUILT DRAWINGS AND IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY.									

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 / SQD1550	WORKROOM	CEILING	INLINE	1400	0.50	1050	DIRECT	0.50	--	120/1	2
TF-2	COOK / GC642	DEPT. MGR'S OFFICE	CEILING	CABINET	500	0.25	1500	DIRECT	--	174	120/1	2
EF-1	PENN / AC36TS	MECHANICAL ROOM	ROOF	PROPELLER	--	--	--	--	--	--	208/3	1
EF-2	GREENHECK / G90DX	RESTROOMS	ROOF	--	660	--	--	--	--	--	120/1	1
EF-3	COOK / GC342	LOUNGE	CEILING	CABINET	150	0.375	1561	DIRECT	--	65.4	120/1	3
EF-4	COOK / GC322	JANITOR CLOSET	CEILING	CABINET	100	0.375	1468	DIRECT	--	32.2	120/1	3
EF-5	COOK / GC342	DELI/BAKERY CLOSET	CEILING	CABINET	150	0.375	1561	DIRECT	--	65.4	120/1	3
EF-6	CCOK / VCRD150	RACK OVEN	ROOF	UPBLAST	750	0.75	1260	DIRECT	0.334	--	120/1	4
SF-1	PENN / AC36TE	MECHANICAL ROOM	ROOF	PROPELLER	--	--	--	--	--	--	208/3	1
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/TF-3 CONTROLLED BY INLINE THERMOSTAT. M.C. 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 NEMA DISCONNECT, UNIT MOUNTED SPEED CONTROLLER, HINGED BASE KIT, 12" GREASE TROUGH, ROOF CURB AND U.L. 762 LISTING.												

AIR-DISTRIBUTION SCHEDULE							
MARK	MANUFACTURER/MODEL NO.	MATERIAL	FRAME	TYPE	PANEL SIZE	CONN. SIZE	REMARKS
S1	-- / --	--	--	--	--	--	1
S2	METALAIRE / H4004-6	ALUM.	LAY-IN	SUPPLY; DOUBLE DEFLECTION GRILLE	24x24	16x16x14ø	2
S3	METALAIRE / H4004-6	ALUM.	LAY-IN	SUPPLY; DOUBLE DEFLECTION GRILLE	24x24	14x14x12ø	2
S4	METALAIRE / 5800-A	STEEL	SURFACE	SUPPLY; LOUVERED FACE	24x24	8ø	2
R1	-- / --	--	--	--	--	--	1
R2	METALAIRE / CC5F-6	ALUM.	LAY-IN	RETURN; GRILLE, FILTER BACK, 1/2x1/2x1/2 CORE	24x24	20x20	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											
MARK	HOOD DATA				EXHAUST FAN DATA						REMARKS
	MANUFACTURER/MODEL NO.	TYPE	SIZE	SWITCH LOC.	MANUFACTURER/MODEL NO.	CFM	SP	HP	RPM	VOLT/PH	
KH-1	CAPTIVEAIRE / V-ND-2	WALL MTD.	12"9"x4"6"	WALL MTD.	CAPTIVEAIRE / DUBSHFA	1340	0.60	1.0	1014	115/1	3, 4, 5
KH-2	VENTAIRE / WASW	WALL MTD.	4'0"X3'0"	WALL MTD.	PENN / FX13BHFT	600	--	--	--	115/1	1, 2
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, & SBCCS.											

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.

MECHANICAL SUMMARY MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT	
METHOD OF COMPLIANCE PRESCRIPTIVE:	YES
CLIMATE ZONE:	4A
THERMAL ZONE	
WINTER DRY BULB:	14°F
SUMMER DRY BULB:	92°F
INTERIOR DESIGN CONDITIONS	
WINTER DRY BULB:	70°F
SUMMER DRY BULB:	74°F
RELATIVE HUMIDITY:	50%
BUILDING HEATING LOAD:	EXISTING
BUILDING COOLING LOAD:	EXISTING
MECHANICAL SPACING CONDITIONING SYSTEM	
UNITARY	
DESCRIPTION OF UNIT:	SPLIT SYSTEMS AND ROOF TOP UNIT
HEATING EFFICIENCY:	SEE SCHEDULES ON THIS SHEET
COOLING EFFICIENCY:	SEE SCHEDULES ON THIS SHEET
HEAT OUTPUT OF UNIT:	SEE SCHEDULES ON THIS SHEET
COOLING OUTPUT OF UNIT:	SEE SCHEDULES ON THIS SHEET
BOILER	
TOTAL BOILER OUTPUT:	IF OVERSIZED, STATE REASON. N/A
CHILLER:	
TOTAL CHILLER CAPACITY:	IF OVERSIZED, STATE REASON. N/A
LIST EQUIPMENT EFFICIENCIES	
EQUIPMENT SCHEDULES WITH MOTORS (MECHANICAL SYSTEMS)	
MOTOR HORSEPOWER:	SEE SCHEDULES ON THIS SHEET
NUMBER OF PHASES:	SEE SCHEDULES ON THIS SHEET
MINIMUM EFFICIENCY:	SEE SCHEDULES ON THIS SHEET
MOTOR TYPE:	SEE SCHEDULES ON THIS SHEET
NO. OF POLES:	SEE SCHEDULES ON THIS SHEET

OUTSIDE AIR CALCULATION

UNIT	DESCRIPTION	GROSS AREA (SF)	NET OCCUPIED AREA (SF)	# OF PEOPLE/ 1,000 SF	TOTAL NUMBER OF PEOPLE	CFM/PERSON	CFM/SF	AIR DISTRIBUTION EFFECTIVENESS	TOTAL REQUIRED OA CFM	DESIGNED OUTSIDE AIR CFM
AHU-1										4,000
RTU-1	SUPERMARKET	37,406	28,055	8.0	224	7.5	0.06	1.00	3,367	300
RTU-DB										200
TOTAL									3,367	4,500

AIR-BALANCE SCHEDULE

MARK	MAKE-UP AIR (CFM)	EXHAUST AIR (CFM)	SERVICE
AHU-1	4000	--	--
RTU-1	300	--	DELI/BAKERY
RTU-DB	200	--	FRONT
EF-2	--	660	RESTROOMS
EF-3	--	150	LOUNGE
EF-4	--	100	JANITOR CLOSET
EF-5	--	150	DELI/BAKERY CLOSET
EF-6	--	750	RACK OVEN (INTERMITTENT)
KH-1	--	1340	DELI/BAKERY HOOD (INTERMITTENT)
KH-2	--	600	DELI/BAKERY HOOD (INTERMITTENT)
TOTAL	4500	3750	
TOTAL DIFF.:	4500 – 3750 = (+) 750 CFM		



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Professional Seals

PROFESSIONAL CERTIFICATION

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the state of Maryland, License No. 41658, expiration date: 02/19/2022.



02/14/2020

Interior Alteration For:

FOOD LION

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1238

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