

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	MOCP		
RTU-DB	TRANE / YSC060	DELI/BAKERY	5.0	2000	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	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.																										

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	BOHN / HCL26FC	SALES AREA	14250	SEE OA-1	--	--	208/3	--	--	--	--	--	SEE HEAT RECLAIM COIL SCHEDULE	--	THROWAWAY	--	1				
AHU-2	BOHN / HCS18FC	COLD AISLE	10400	--	--	--	208/3	--	--	--	--	--	SEE HEAT RECLAIM COIL SCHEDULE	--	THROWAWAY	--	1				
OA-1	BOHN / HCL10FC	AHU-1	3300	3300	--	--	208/3	--	--	--	--	--	--	--	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	BOHN / -	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	BOHN / -	AHU-1	SEE AHU	--	A	--	--	--	1
HRC-2	BOHN / -	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 / SOD1550	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	COOK / 100C17DEC	RESTROOMS	ROOF	DNBLAST	500	0.375	1408	DIRECT	0.25	--	120/1	3
EF-2	COOK / 100C17DEC	LOUNGE	ROOF	DNBLAST	300	0.375	1192	DIRECT	0.25	--	120/1	3
EF-3	-- / --	JANITOR CLOSET	CEILING	CABINET	100	--	--	--	--	--	120/1	1
EF-4	-- / --	DELI/BAKERY CLOSET	CEILING	CABINET	100	--	--	--	--	--	120/1	1
EF-5	CENTRIMASTER / PDU12	RACK OVEN	ROOF	--	750	--	--	--	--	--	120/1	1
EF-6	ROOFMASTER / LQ36	MECHANICAL ROOM	ROOF	PROPELLER	--	--	--	--	--	--	208/3	1
SF-1	ROOFMASTER / LQS36	MECHANICA LROOM	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. MC IS RESPONSIBLE FOR INSTALLATION OF INCLUDED 1" AIR FILTER IN RETURN GRILLE ON WORKROOM TRANSFER FAN. 3. EXHAUST FAN SHALL HAVE STANDARD DISCONNECT, FACTORY MOUNTED SPEED CONTROLLER, BACKDRAFT DAMPER AND ALUMINUM BIRDSCREEN.												

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 / 5800-6	STEEL	LAY-IN	SUPPLY; LOUVERED FACE	24x24	6ø	2
E1	-- / --	--	--	--	--	--	1
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.	13"0"x4"6"	WALL MTD.	CAPTIVEAIRE / DUBSHFA	1365	0.60	0.75	1022	115/1	1, 2, 3
NOTES: 1. HOOD SHALL HAVE CONTROLS MOUNTED INSIDE HOOD FIRE CABINET AND 3" STAND-OFF. 2. 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. 3. HOOD SHALL BEAR THE FOLLOWING LABELS: UL, NSF, NFPA 96, BOCA, & SBCCS.											

REVISIONS

NO. DESCRIPTION DATE

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.

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

AIR--BALANCE SCHEDULE

MARK	MAKE---UP AIR (CFM)	EXHAUST AIR (CFM)	SERVICE
AHU-1	--	--	O.A. PROVIDED BY OA-1
OA-1	3300	--	SERVES AHU-1
RTU-DB	200	--	DELI/BAKERY
EF-1	--	500	RESTROOMS
EF-2	--	300	LOUNGE
EF-3	--	100	JANITOR CLOSET
EF-4	--	100	DELI/BAKERY CLOSET
EF-5	--	750	RACK OVEN (INTERMITTENT)
KH-1	--	1365	DELI/BAKERY HOOD (INTERMITTENT)
TOTAL	3500	3115	
TOTAL DIFF.:	3600 - 3115 = (+) 385 CFM		

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	SUPERMARKET	33,260	24,280	8.0	194	7.5	0.06	1.00	2,914	0
OA-1										3,300
RTU-DB										200
TOTAL										2,914

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:	91°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 UNITS
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

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*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.

Riddick Fiedler Stern
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FOOD LION STORE 2560

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MECHANICAL SCHEDULES

DRAWING FILE NAME

2560 M6.01_00

RFS JOB #

2019-042

DATE

02/21/2020

M6.01

6 OF 6