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ROOF TOP AIR HANDLER SCHEDULE																													
TAG	MANUFACTURER	SERVICE	MODEL	OUTDOOR		SUPPLY	EXT SP	TOTAL SP	FAN DIA	QTY	FAN TYPE	FAN SPEED	DRIVE TYPE	ELECTRICAL					COOLING COIL	HEATING COIL 1	HEATING COIL 2	PRE-FILTER	FINAL-FILTER	WEIGHT					
				CFM	AMBIENT									BHP	HP	V/P/HZ	FLA	MCA							MOP	FUSE			
RTAH-1	TRANE	ENT VESTIBULE	TSC002	0	4,800	1,00	2.83	15.0	1	1	PLENUM	1,123	DIRECT	3.96	5	480/3/60	7.77	9.71	14	15	SEE SCHEDULE	SEE SCHEDULE	SEE SCHEDULE	SEE SCHEDULE	8	2	13	4	4,426
RTAH-2	TRANE	EXIT VESTIBULE	TSC008	0	3,100	1.20	3.44	12.25	1	1	PLENUM	1,574	DIRECT	2.89	3	480/3/60	4.66	5.83	8.39	15	SEE SCHEDULE	SEE SCHEDULE	SEE SCHEDULE	SEE SCHEDULE	8	2	13	4	3,679
RTAH-3	TRANE	COLD AISLE	TSC001	0	10,000	1.00	2.23	22.375	1	1	PLENUM	675	DIRECT	5.99	7.5	480/3/60	11.7	14.6	21	25	NOT USED	SEE SCHEDULE	NOT USED	SEE SCHEDULE	8	2	13	4	3,818
DAU-1	TRANE	OUTDOOR AIR	TSC000	5,000	5,000	0.45	3.30	13.5	1	1	PLENUM	1,370	DIRECT	4.64	5	480/3/60	7.77	9.71	14	15	SEE SCHEDULE	SEE SCHEDULE	SEE SCHEDULE	SEE SCHEDULE	8	2	13	4	4,311

CONDENSING UNIT SCHEDULE																							
TAG	MANUFACTURER	MODEL	SERVICE	CAPACITY	SST	AMBIENT	STAGES	COMPRESSORS	CIRCUITS	FAN	FAN POWER	COMPRESSOR			FAN			MCA	MOP	EER	WEIGHT		
												#	#	#	HP	VOLTS	PHASE					CPR RLA	CPR LRA
CU-1	TRANE	TTA150	RTAH-1	154	44	95	2	2	2	1	1	480	3	10.6	75	480	3	2.5	5.8	26.4	30	11.0	468
CU-2	TRANE	TTA090	RTAH-2	92	44	95	1	1	2	1	1	480	3	12.9	100	480	3	1.6	3.8	17.7	25	11.2	323
CU-3	TRANE	RAUCZ	DAU-1	344	39	95	2	2	2	3	1	480	3	17.3/22.2	142.0/158.0	480	3	1.8	9.0	51.0	70	11.9	1921

COOLING COIL SCHEDULE																			
TAG	SERVICE	AIR FLOW	EAT	LAT	LAT	LAT	S.S.T.	SENSIBLE	TOTAL	AREA	VELOCITY	ROWS	A.P.D.	CIRCUITS	REFRIGERANT				
																CFM	DEG F	DB	DB
CC-1	RTAH-1	4,800	75	63	54.7	53.0	44	107.0	138.9	12.3	390	4	0.320	2	YES	R-410A			
CC-2	RTAH-2	3,100	75	63	55.0	54.2	44	68.0	79.9	7.5	411	4	0.410	1	N/A	R-410A			
CC-3	DAU-1	5,000	87	71	50	49	39	202	328	10	518	6	1	2	YES	R-410A			

HEATING COIL 1 SCHEDULE																			
TAG	SERVICE	AIR FLOW	HEATING	EAT	LAT	LAT	TOTAL	AREA	FACE	VELOCITY	A.P.D.	ROWS	EWT	LWT	GPM	W.P.D.	REMARKS		
																		CFM	SOURCE
HC-1A	RTAH-1	4,800	GREENHILL	65	93.0	144.50	12.3	390	0.36	6	100	88.3	28	5.7			45% PROPYLENE GLYCOL		
HC-2A	RTAH-2	3,100	GREENHILL	65	90.0	84.00	6.5	477	0.42	4	100	90.0	19	8.3			45% PROPYLENE GLYCOL		
HC-3A	RTAH-3	10,000	GREENHILL	70	87.3	387.60	19.3	519	0.34	4	100	90.0	42	3.2			45% PROPYLENE GLYCOL		
HC-4A	DAU-1	5,000	GREENHILL	0	65.0	352.14	9.4	533	0.32	4	100	90.0	80	16.6			45% PROPYLENE GLYCOL		
HC-5	BC-1	3,000	GREENHILL	60	84.5	79.43	6.7	450	0.59	6	100	89.7	17	3.5			45% PROPYLENE GLYCOL		
HC-6	BC-2	3,000	GREENHILL	60	84.5	79.43	6.7	450	0.59	6	100	89.7	17	3.5			45% PROPYLENE GLYCOL		
HC-7	BC-3	3,000	GREENHILL	60	84.5	79.43	6.7	450	0.59	6	100	89.7	17	3.5			45% PROPYLENE GLYCOL		
HC-8	EXISTING MCCOY UNIT	24,000	GREENHILL	70	90.0	520.56	23.5	716	0.88	6	100	90.0	105	14.6			45% PROPYLENE GLYCOL		
HC-9	EXISTING DESCHAMPS UNIT	8,000	GREENHILL	35	90.0	477.18	14.0	571	0.77	6	100	85.6	75	13.3			45% PROPYLENE GLYCOL - FIELD VERIFY MAX FACE SIZE AVAILABLE TO INPUT TO EXISTING UNIT		

COOLING COIL TXV SCHEDULE									
TAG	MANUFACTURER	MODEL	SERVICE	QTY	REFRIGERANT	NOMINAL	CT	SST	SUPERHEAT
TXV-1	SPORLAN	ERZE-5-ZGA	CU-1	2	R410-A	5	115	45	95
TXV-2	SPORLAN	ERZE-9-ZGA	CU-2	1	R410-A	8	115	45	95
TXV-3A	SPORLAN	ERZE-10-ZGA	CU-3	1	R410-A	10	115	39	95
TXV-3B	SPORLAN	ERZE-15-ZGA	CU-3	1	R410-A	15	115	39	95

MOTORIZED DAMPER SCHEDULE									
TAG	MANUFACTURER	MODEL	ACTUATOR	HEIGHT	WIDTH				
						QTY	MANUF	MODEL	VOLTAGE
MD-1	GREENHECK	WD-200	1	HCNEYWELL	MS4120F1006	120V	24	48	
MD-2	GREENHECK	ICD-44	4	HCNEYWELL	MS4120F1006	120V	80	28	

HEATING COIL 2 SCHEDULE														
TAG	SERVICE	AIR FLOW	HEATING	EAT	LAT	LAT	MBH	MBH	INPUT	OUTPUT	MIN/MAX	MCA/MOCP		
													CFM	SOURCE
HC-1B	RTAH-1	4,800	NATURAL GAS	45	113	450	360	7.0/14.0	2.8/15					
HC-2B	RTAH-2	3,100	NATURAL GAS	45	133	375	300	7.0/14.0	2.8/15					
HC-4B	DAU-1	5,000	NATURAL GAS	0	65	450	360	7.0/14.0	2.8/15					

INTAKE HOOD SCHEDULE									
TAG	MANUFACTURER	MODEL	THROAT OPENING		CFM	THROAT	WEIGHT	REMARKS	
			WIDTH (IN)	LENGTH (IN)					VELOCITY (FPM)
IH-1	GREENHECK	WIH	24	48	5,710	721	112	14" ROOF CURB, MOTORIZED DAMPER	

BLOWER COIL SCHEDULE																		
TAG	MANUFACTURER	MODEL	HEATING	SUPPLY	EXT SP	TOTAL SP	FAN TYPE	DRIVE TYPE	BHP	MOTOR	HP	RPM	HEATING COIL 1	ELECTRICAL	FILTER	WEIGHT		
																	CFM	INWG
BC-1	TRANE	BCHC090	3,000	0.5	1.3	AF PLENUM	DIRECT	1.354	1 1/2	1200	SEE SCHEDULE	460/3/60	2.4	3	15	13	2	300
BC-2	TRANE	BCHC090	3,000	0.5	1.3	AF PLENUM	DIRECT	1.354	1 1/2	1200	SEE SCHEDULE	460/3/60	2.4	3	15	13	2	300
BC-3	TRANE	BCHC090	3,000	0.5	1.3	AF PLENUM	DIRECT	1.354	1 1/2	1200	SEE SCHEDULE	460/3/60	2.4	3	15	13	2	300

DUCTLESS AIR CONDITIONER																		
TAG	MANUFACTURER	MODEL	SERVICE	COOLING CAPACITY	CFM	INDOOR UNIT			OUTDOOR UNIT			PIPING SIZES		ELECTRIC		NOTES		
						HEIGHT	WIDTH	DEPTH	HEIGHT	WIDTH	DEPTH	LIQUID	SUCTION	VOLTS	PHASE		MAX FUSE	MCA
DAC-1	SANYO	18KL572	POS	17.5	524/417	11-23/32	41-15/16	8-19/32	26-3/8	34-21/32	11-7/32			208	1	20	16	1,2,3

NOTES: 1. PROVIDE FACTORY CONDENSATE PUMP
2. PROVIDE WALL MOUNT CONTROLLER
3. COOLING SETPOINT SHALL BE SET TO 82 DEG. FAHRENHEIT.

UNIT HEATER						
TAG	MANUFACTURER	MODEL	INPUT	V/P/HZ	FLA	REMARKS
UH-6	REZNOR	2EGW	2	208/1/60	10	
UH-7	REZNOR	2EGW	2	208/1/60	10	
UH-8	REZNOR	2EGW	2	208/1/60	10	
UH-9	REZNOR	2EGW	2	208/1/60	10	
BH-1	MARKEL	H295-1205W	2.5	208/1/60	10.4	
BH-2	MARKEL	H295-1205W	2.5	208/1/60	10.4	

FAN SCHEDULE																				
TAG	MANUFACTURER	MODEL	SERVICE	CFM	EXTERNAL PD	RPM	DRIVE	MOTOR	MOTOR	MOTOR	MOTOR	SOUNDS	ELECTRIC					NOTES	REMARKS	
													DBA	VOLT	PHASE	HZ	FLA			MCA
EF-13	GREENHECK	CUBE-200-15	GENERATOR ROOM	5,710	0.25	1,085	BELT	1.47	1.5	1,725	ODP	23	460	3	60	3	4.5	15	1,2,3,4,5,6	

NOTES: THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE START-UP OF FANS. FANS SHALL DEMONSTRATE ACCEPTABLE PERFORMANCE (MEET OR EXCEED THE DESIGN PERFORMANCE LISTED HERE-IN) AT THE TIME OF COMMISSIONING AND THROUGHOUT THE WARRANTY PERIOD.
1. DISC SWITCH (NEMA 1)
2. MOTORIZED DAMPER - WD-323-PB-17X17
3. SPEED CONTROL
4. THERMAL OVERLOAD
5. 14" ROOF CURB
6. BIRDSCREEN

REGISTERS, GRILLES, AND DIFFUSERS SCHEDULE									
TAG	MANUFACTURER	MODEL	REG. SIZE	CFM	PATTERN	REMARKS			
							CD1	PRICE	9x9/24x24/AMD/3P/4A/B12
CD2	PRICE	6x6/24x24/AMD/3P/15/B12	6x6	AS NOTED	1 WAY	O.B.D.			
CD3	PRICE	9x9/24x24/AMD/3P/4A/B12	9x9	AS NOTED	4 WAY	O.B.D. WHERE NOTED			
CD4	PRICE	12x12/24x24/AMD/3P/25/B12	12x12	AS NOTED	2 WAY	O.B.D. WHERE NOTED			
CD5	PRICE	12x12/24x24/AMD/3P/25/B12	12x12	AS NOTED	2 WAY	O.B.D. WHERE NOTED			
CD6	PRICE	12x12/24x24/AMD/3P/2A/B12	12x12	AS NOTED	4 WAY	O.B.D. WHERE NOTED			
CD7	PRICE	12x12/24x24/AMD/6A/4A/B12	12x12	AS NOTED	4 WAY	O.B.D. WHERE NOTED			
CD8	PRICE	12x12/24x24/AMD/3P/4A/B12	12x12	AS NOTED	4 WAY	O.B.D. WHERE NOTED			
R1	PRICE	12x12/80/7B/24x24/B12	12x12	AS NOTED	1/2x1/2x1/2 CORE				
R2	PRICE	24x24/80/N/0/B12	24x24	AS NOTED	1/2x1/2x1/2 CORE				
E1	PRICE	8x8/80/N/0/B12	8x8	300	1/2"x1/2" CORE				
E2	PRICE	10x10/80/N/0/B12	10x10	500	1/2"x1/2" CORE				

FAN COIL UNIT SCHEDULE										
TAG	MANUFACTURER	MODEL	SERVICE	CFM	CAPACITY (MBH)		ELECTRICAL		NOTES	
					HEATING	COOLING	VOLTS	PHASE		WATTS
FC-12	FIRST CO.	4PHC-32RH	MEETING ROOM	400	15.2	12.2	120	1	100	CONNECT TO EXISTING LOOP

MECHANICAL ENGINEER OF RECORD
NAME: KEVIN EUGA, P.E.
MAINE REGISTERED P.E. 12608

MECHANICAL SCHEDULES

Scale: NTS
Date: 10/21/11

Designed by: KEUGA
Drawn by: KEUGA
Checked by: KEUGA

Project Title:
REMODEL HANNAFORD SUPERMARKET & PHARMACY
STORE #8351 - 295 FOREST AVENUE
PORTLAND, MAINE 04101

Prepared By:
JACOBS
JACO