

ROOFTOP UNIT SCHEDULE (NO SUBSTITUTIONS ALLOWED)																			
TAG	LABEL TAG	MANUFACTURER MODEL NUMBER	NOMINAL TONNAGE	CFM	E.S.P. (IN.)	OUTDOOR AIR	HEATING CAPACITY			GROSS COOLING CAPACITY				ELECTRICAL DATA			WEIGHT (LBS)	REMARKS	
							1st STAGE (MBH)	2nd STAGE (MBH)	AFUE (%)	EAT DBWB	TOTAL (MBH)	SENSIBLE (MBH)	EER/SEER IEER	AMBIENT TEMP	S/A FAN HP VOLTAGE	MCA			MOCF
RTU 01	XXXX-RTU-01	LENNOX LGH1504MMH1Y	12-1/2	5000	0.8"	1250	156/124.8	240/192	80	80/67	154.8	116.1	10.8 EER 13.5 IEER	95°F	5 HP 208/230V 3 PH	71	90	1500	SEE NOTES BELOW.
RTU 02	XXXX-RTU-02	LENNOX LGH1204MMH1Y	10	4000	0.6"	1000	156/124.8	240/192	80	80/67	124.4	89.6	12.0 EER 13.8 IEER	95°F	3 HP 208/230V 3 PH	52	60	1400	SEE NOTES BELOW.
RTU 03	XXXX-RTU-03	LENNOX LGH1204MMH1Y	10	4000	0.8"	1000	156/124.8	240/192	80	80/67	124.4	89.6	12.0 EER 13.8 IEER	95°F	3 HP 208/230V 3 PH	52	60	1400	SEE NOTES BELOW.
RTU 04	XXXX-RTU-04	LENNOX LGH1504MMH1Y	12-1/2	5000	0.6"	750	156/124.8	240/192	80	80/67	154.8	116.1	10.8 EER 13.5 IEER	95°F	5 HP 208/230V 3 PH	71	90	1500	SEE NOTES BELOW.

FURNISH WITH THE FOLLOWING:

- 1/4" HIGH PRE-FABRICATED INSULATED ROOF CURB BY MECHANICAL CONTRACTOR
- BAROMETRIC RELIEF DAMPERS
- HIGH PERFORMANCE ECONOMIZER 0-100% COMPLETE WITH FAULT DETECTOR AND DIAGNOSTICS SYSTEM (FDD)
- DIRTY FILTER SWITCH, 2" MERV 8 FILTERS
- BURGLAR BARS BY MECHANICAL CONTRACTOR
- MSAV (MULTI-STAGE AIR VOLUME) SUPPLY AIR BLOWER
- FACTORY INSTALLED UNIT NON-FUSED DISCONNECT - WEATHERPROOF
8. R-410a REFRIGERANT
- HINGED ACCESS PANELS
- HIGH AND LOW PRESSURE SWITCHES
- FREEZE STAT
- SERVICE VALVES
- COMBINATION HAIL/COIL GUARD
15. 5-YEAR COMPRESSOR WARRANTY
- GFCI - FACTORY INSTALLED/FIELD WIRED BY ELECTRICIAN
- CURBS PLUS, INC. DROP DIFFUSER SYSTEM
- (4) VFPD 2410-10-12.5
- ROOFTOP UNITS REMOTE SPACE TEMPERATURE SENSORS AND CARBON DIOXIDE SENSORS REFER TO THE SIEMENS EMS DRAWING SET (EMS-1 THRU EMS-3) FOR MORE INFORMATION.
- SMOKE DETECTORS IN THE SUPPLY AND RETURN
- DRAIN PAN OVERFLOW SWITCH

NOTE: MECHANICAL CONTRACTOR SHALL PROVIDE REMOTE TEST STATIONS FOR DUCT DETECTORS REFER TO MECHANICAL PLAN TAG NOTE #1 ON DWG. M1.0 FOR ADDITIONAL INFORMATION.

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GRILLE, REGISTER AND DIFFUSER SCHEDULE											
TAG	MANUFACTURER & MODEL NUMBER	CFM	AIR PATTERN	NECK SIZE	DAMPER	FRAME STYLE	PANEL SIZE	MAXIMUM NC LEVEL	FINISH	MATERIAL	REMARKS
CD A	PRICE PRODIGY PPD2	AS NOTED	AS SHOWN	AS NOTED	OPPOSED BLADE	LAY-IN CEILING	24x24	30	WHITE POWDER COAT	STEEL	PROVIDE WITH WALL MOUNTED ROOM TSTAT W/ LCD DISPLAY. MC TO PROVIDE 120/24V CONTROL TRANSFORMER. MC SHALL WIRE LOW VOLTAGE TSTATS. PROVIDE WITH INSULATED BACKPANS.
CD B	PRICE SPD	AS NOTED	AS SHOWN	AS NOTED	OPPOSED BLADE	SURFACE MOUNTED	12x12	30	WHITE POWDER COAT	STEEL	
CD C	CURBS PLUS, INC. VFPD 2410-10-12.5	AS NOTED	4-WAY	24x24	-	EXPOSED	44x44	36	MILL FINISH	STEEL	FURNISHED BY LENNOX AND INSTALLED BY THE MECHANICAL CONTRACTOR.
EG A	PRICE 535	AS NOTED	EXHAUST	AS NOTED	-	SURFACE MOUNTED	NECK SIZE + 1-3/4"	30	WHITE POWDER COAT	STEEL	
TG A	PRICE 81	AS NOTED	TRANSFER	AS NOTED	-	LAY-IN CEILING	24x12	30	WHITE POWDER COAT	ALUMINUM	
TG B	PRICE 535	AS NOTED	TRANSFER	AS NOTED	-	SURFACE MOUNTED	NECK SIZE + 1-3/4"	30	WHITE POWDER COAT	STEEL	

FAN SCHEDULE												
PLAN TAG	LABEL TAG	MANUFACTURER & MODEL NUMBER	AREA SERVED	SERVICE	CFM	ESP	WATTS & VOLTAGE	FAN RPM	FAN TYPE	MAX. SOUND LEVEL	WEIGHT (LBS)	REMARKS
EF 01	XXXX-EF-01	GREENHECK SP-A190	RESTROOM 1	EXHAUST	100	.3"	113 WATTS 120V/1/0	1400	CEILING MTD.	3.4 SONES	17	SEE NOTES 1 - 7 BELOW
EF 02	XXXX-EF-02	GREENHECK SP-A190	RESTROOM 2	EXHAUST	100	.3"	113 WATTS 120V/1/0	1400	CEILING MTD.	3.4 SONES	17	SEE NOTES 1 - 7 BELOW
EF 03	XXXX-EF-03	FANTECH FG 8	MANAGER'S OFFICE	EXHAUST	250	.5"	119 WATTS 120V/1/0	2550	IN-LINE		12	SEE NOTES 3 & 8 BELOW
EF 04	XXXX-EF-04	FANTECH FG 10	CASH OFFICE	EXHAUST	350	.5"	138 WATTS 120V/1/0	3000	IN-LINE		12	SEE NOTES 3 & 8 BELOW

NOTES: PROVIDE WITH THE FOLLOWING ITEMS:

1. DISCONNECT SWITCH
2. GRAVITY BACKDRAFT DAMPER
3. INTEGRAL SPEED CONTROL SWITCH FOR BALANCING
4. METAL CEILING GRILLE
5. CONTROLLED BY LIGHT SWITCH (WHEN LIGHT SWITCH IS ACTIVATED THE FAN WILL ENGAGE)
6. 14" HIGH PRE-FAB ROOF CURB
7. HANGING KIT WITH NEOPRENE VIBRATION ISOLATORS
8. LINE VOLTAGE (120V) COOLING ONLY THERMOSTAT TPI #ET9SRSTS

GAS UNIT HEATER SCHEDULE													
PLAN TAG	LABEL TAG	MANUFACTURER & MODEL NUMBER	AREA SERVED	GAS MBH		CFM	AFUE	HP & VOLTAGE	FLA	MOCF	VENT CONN.		REMARKS
				INPUT	OUTPUT						INLET	OUTLET	
UH 01	XXXX-UH-01	REZTOR UB2125	RECEIVING	120	99.6	2049	83%	3/4 HP 120V/1 PH.	13.2	30	4" DIA.	4" DIA.	SEE NOTES BELOW

NOTES: PROVIDE WITH THE FOLLOWING ITEMS:

1. VERTICAL CONCENTRIC COMBUSTION AIRVENT KIT(CC2)
2. FACTORY INSTALLED DISCONNECT SWITCH
3. SUMMER FAN SWITCH
4. 30" DOWNTURN NOZZLE
5. UNIT HEATER TO BE CONTROLLED FROM 'UNIT MOUNTED' ZONE CONTROLLER SENSOR (REFER TO THE SIEMENS EMS DRAWING SET EMS-1 THRU EMS-3 FOR MORE INFORMATION.)

ELECTRIC CABINET UNIT HEATER SCHEDULE							
PLAN TAG	LABEL TAG	MANUFACTURER & MODEL NUMBER	HEATING CAPACITY		CFM	AMPS	REMARKS
			KW	BTU/HR			
UH 02	XXXX-UH-02	MARVEL F3484	4	13,600	425	19.2	SEE NOTES 1-3 BELOW

NOTES:

1. PROVIDE INTEGRAL DISCONNECT, LOUVER OUTLET, AND MOUNTING HARDWARE
2. HEATER TO BE RECESSED CEILING (LAY-IN) MOUNTED
3. UNIT HEATER TO BE CONTROLLED FROM 'UNIT MOUNTED' ZONE CONTROLLER SENSOR (REFER TO THE SIEMENS EMS DRAWING SET EMS-1 THRU EMS-3 FOR MORE INFORMATION.)

VENTILATION AIR REQUIREMENT						
HVAC UNIT	AREA SERVED	OCCUPANT LOAD	REQUIRED VENTILATION	O.A. REQUIRED (CFM)	O.A. (MIN.) SUPPLIED (CFM)	REMARKS
RTU 01-03	SALES AREA 101	141 (9,406 SF)	7.5 CFM/PERSON 12 CFM/SF (1.25)	2733	2962	PER NEW YORK MECHANICAL CODE
RTU 04	RECEIVING / SALES REPLENISHMENT AREA 104 & 105	6 (5,052 SF)	5 CFM/PERSON .06 CFM/SF (1.25)	416	750	PER NEW YORK MECHANICAL CODE
RTU 01	CASH ROOM 103	1 (126 SF)	5 CFM/PERSON .06 CFM/SF (1.25)	16	88	PER NEW YORK MECHANICAL CODE
	MANAGER OFFICE 102	1 (128 SF)	5 CFM/PERSON .06 CFM/SF (1.25)	16	62	PER NEW YORK MECHANICAL CODE
RTU 03	BREAK ROOM 106	6 (154 SF)	5 CFM/PERSON .06 CFM/SF (1.25)	49	100	PER NEW YORK MECHANICAL CODE
EF 01	RESTROOM 1 107	1 WC	70 CFM EXH./WC	70	100	EXH      EXH QUANTITIES ARE EXHAUSTED (19 CFM OF O.A. - RTU-03)
EF 02	RESTROOM 2 108	1 WC	70 CFM EXH./WC	70	100	EXH      EXH QUANTITIES ARE EXHAUSTED (19 CFM OF O.A. - RTU-03)

NOTE: NEW YORK MECHANICAL CODE BREATHING ZONE OUTDOOR AIR FLOW (CFM)  $Vb_z = R_p P_2 + R_a A_z \times 1.25$

WHERE:  
 $A_z$  = ZONE FLOOR AREA  
 $P_2$  = POPULATION  
 $R_p$  = TABLE 6.1 OUTDOOR AIR PER PERSON  
 $R_a$  = TABLE 6.1 OUTDOOR AIR PER AREA

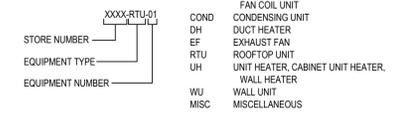
DUCTWORK SCHEDULE				
DUCT SYSTEM	SMACNA PRESSURE CLASS	SMACNA SEAL CLASS	DUCT MATERIAL	INSULATION
EXPOSED SUPPLY AIR DUCTWORK	2" W.C.	B	GALVANIZED STEEL	REFER TO SPECIFICATIONS
CONCEALED SUPPLY AIR DUCTWORK	2" W.C.	B	GALVANIZED STEEL	2" DUCT WRAP
RETURN AIR DUCTWORK	1" W.C.	C	GALVANIZED STEEL	1" DUCT LINING
EXHAUST AIR DUCTWORK	1" W.C.	C	GALVANIZED STEEL	NONE

NOTE: ALL DUCTWORK SIZES ARE AIRWAY DIMENSIONS

LIGHTING AND HEATING SCHEDULE									
	PARKING LOT / NON-SECURITY BUILDING FIXTURES	EXTERIOR SIGNS / SECURITY BUILDING FIXTURES	INDOOR LIGHTS (MON. SAT.)	INDOOR LIGHTS (SUNDAY)	INTERIOR SIGN (MON. SAT.)	INTERIOR SIGN (SUNDAY)	HEATING	COOLING	SUNDAY
ON	DUSK (BY PHOTOCELL)	DUSK TO DAWN PHOTOCELL (ALWAYS ON DURING DARK)	7:00 AM	8:00 AM	STORE OPEN	STORE OPEN	68 DEGREES AT 7:00 AM	72 DEGREES AT 7:00 AM	SAME TEMPS AT 8:00 AM
OFF	10:15 PM	DURING THE DAY	10:00 PM	8:00 PM	9:00 PM	6:00 PM	62 DEGREES AT 10:00 PM	78 DEGREES AT 10:00 PM	SAME TEMPS AT 8:00 PM

NOTES:  
CONTROL ZONE      THE SYSTEM CAN BE OVERRIDDEN BY THE SECURITY KEYPAD. COORDINATE ON/OFF TIMES WITH HARBOR FREIGHT PRIOR TO PROGRAMMING.

ASSET LABELING SCHEDULE		
PLAN TAG	LABEL TAG	DESCRIPTION LOCATION
RTU-01	XXXX-RTU-01	ROOFTOP UNIT SALES/OFFICE AREA
RTU-02	XXXX-RTU-02	ROOFTOP UNIT SALES AREA
RTU-03	XXXX-RTU-03	ROOFTOP UNIT SALES/BREAK ROOM AREA
RTU-04	XXXX-RTU-04	ROOFTOP UNIT SALES REP. RECEIVING AREA
UH-01	XXXX-UH-01	GAS-FIRED UNIT HEATER RECEIVING AREA
UH-02	XXXX-UH-02	CABINET UNIT HEATER VESTIBULE AREA
EF-01	XXXX-EF-01	EXHAUST FAN RESTROOM 1
EF-02	XXXX-EF-02	EXHAUST FAN RESTROOM 2
EF-03	XXXX-EF-03	EXHAUST FAN MANAGER'S OFFICE
EF-04	XXXX-EF-04	EXHAUST FAN CASH ROOM



NOTE: MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE CONSTRUCTION PM TO ACQUIRE THE STORE NUMBER PRIOR TO LABELING THE EQUIPMENT. THE MECHANICAL CONTRACTOR SHALL UPDATE THE ASBUILT DRAWINGS WITH THE STORE NUMBER.

DIRECTIONS:  
MECHANICAL CONTRACTOR SHALL LABEL ALL EQUIPMENT SO THEY ARE VISIBLE FROM BELOW. EQUIPMENT SHALL BE IDENTIFIED WITH THE LABEL TAG AS INDICATED ABOVE. SPACE TEMPERATURE SENSORS AND THERMOSTATS SHALL BE IDENTIFIED WITH THE EQUIPMENT PLAN TAG THAT SERVES THEM. THERMOSTAT AND SENSOR LABELS ARE TO BE 1/4" TALL BLACK STICKERS AND ARIAL FONT. EXHAUST FAN AND UNIT HEATER (ALL TYPES) LABELS ARE TO BE 1/2" TALL BLACK STICKERS AND ARIAL FONT. ROOFTOP EQUIPMENT LABELS ARE TO BE 2" TALL BLACK STICKERS AND ARIAL FONT. CONCENTRIC DIFFUSER LABELS ARE TO BE 2" TALL BLACK STICKERS AND ARIAL FONT. OTHER DIFFUSERS IN ENCLOSED SPACES ARE TO BE LABELED WITH THE RTU THAT SERVES THEM WITH 1/2" TALL BLACK STICKERS AND ARIAL FONT. NOTE: EXTERIOR LABELS MUST BE SUITABLE FOR WEATHER APPLICATIONS AND FADE RESISTANT. EQUIPMENT LABELS SHALL BE MOUNTED NEXT TO THE UNIT MOUNTED DISCONNECT. IF THE UNIT DOES NOT HAVE A UNIT MOUNTED DISCONNECT, THEN PLACE ON THE MOST VISIBLE PLACE.



**HARBOR FREIGHT TOOLS**

NYACK, NY 10960

314 NY ROUTE 59

THESE DOCUMENTS CONTAIN INFORMATION PROPRIETARY TO ADA ARCHITECTS, P.C. UNAUTHORIZED USE OF THESE DOCUMENTS IS EXPRESSLY PROHIBITED UNLESS AGREED UPON IN WRITING.

REVISIONS

#	DATE	TYPE
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MECHANICAL SCHEDULES

DATE 9/22/21

JOB NO. 20420

**M1.1**

SHEET NO.