



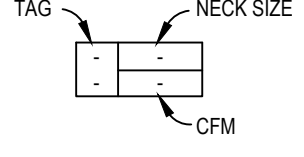










| ROOFTOP UNIT SCHEDULE (NO SUBSTITUTIONS ALLOWED) | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|------------------------------|--------------------|------|-----------------|----------------|-----------------------|-----------------------|------------------------|---|----------------|-------------------|-----------------------|------------------|---|-----|-----------------|---------|------------------|--|--|--|--|--|
| 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 | | | | | |
|  01 | XXXX-RTU-01 | LENNOX LGH1504MH1Y | 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. | | | | | |
|  02 | XXXX-RTU-02 | LENNOX LGH1204MH1Y | 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. | | | | | |
|  03 | XXXX-RTU-03 | LENNOX LGH1204MH1Y | 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. | | | | | |
|  04 | XXXX-RTU-04 | LENNOX LGH1504MH1Y | 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. 14" HIGH PRE-FABRICATED INSULATED ROOF CURB BY MECHANICAL CONTRACTOR | | | | | | | | | | 8. R-410a REFRIGERANT | | | | | 14. CYCLE PROTECTION | | | | | 19. SMOKE DETECTORS IN THE SUPPLY AND RETURN | | | | |
| 2. BAROMETRIC RELIEF DAMPERS | | | | | | | | | | 9. HINGED ACCESS PANELS | | | | | 15. 5-YEAR COMPRESSOR WARRANTY | | | | | 20. DRAIN PAN OVERFLOW SWITCH | | | | |
| 3. HIGH PERFORMANCE ECONOMIZER 0-100% COMPLETE WITH FAULT DETECTOR AND DIAGNOSTICS SYSTEM (FDD) | | | | | | | | | | 10. HIGH AND LOW PRESSURE SWITCHES | | | | | 16. GFCI - FACTORY INSTALLED/FIELD WIRED BY ELECTRICIAN | | | | | | | | | |
| 4. DIRTY FILTER SWITCH, 2" MERV 8 FILTERS | | | | | | | | | | 11. FREEZE STAT | | | | | 17. CURBS PLUS, INC. DROP DIFFUSER SYSTEM | | | | | | | | | |
| 5. BURGLAR BARS BY MECHANICAL CONTRACTOR | | | | | | | | | | 12. SERVICE VALVES | | | | | 17. CURBS PLUS, INC. DROP DIFFUSER SYSTEM | | | | | | | | | |
| 6. MSV (MULTI-STAGE AIR VOLUME) SUPPLY AIR BLOWER | | | | | | | | | | 13. COMBINATION HAIL/COIL GUARD | | | | | 18. ROOFTOP UNITS REMOTE SPACE TEMPERATURE SENSORS AND CARBON DIOXIDE SENSORS | | | | | 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. | | | | |
| 7. FACTORY INSTALLED UNIT NON-FUSED DISCONNECT - WEATHERPROOF | | | | | | | | | | | | | | | REFER TO THE SIEMENS EMS DRAWING SET (EMS-1 THRU EMS-3) FOR MORE INFORMATION. | | | | | | | | | |
| LENNOX CONTACT: Derek Gareen: LemnoxNationalAccounts@LemnoxInd.com (972) 497-6082 | | | | | | | | | | LENNOX NATIONAL ACCOUNT TECH SUPPORT: (800) 367 6285 option 2 | | | | | | | | | | | | | | |

| 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/LOC 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 |
|  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 |
|  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 |
|  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 |
|  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 #ET9SGRTS | | | | | | | | | | | | |

| 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 | |
| <div>UH 01</div> | XXXX-UH-01 | REZNOR 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 AIR/VENT 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.) | | | | | | | | | | | | | |

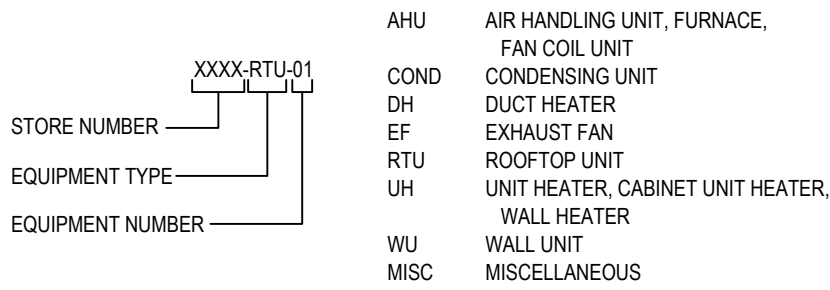
| ELECTRIC CABINET UNIT HEATER SCHEDULE | | | | | | |
|---|--------------|--------------------------------|------------------|--------|-----------------|------------------------------|
| PLAN TAG | LABEL TAG | MANUFACTURER & MODEL NUMBER | HEATING CAPACITY | | VOLTAGE | REMARKS |
| | | | KW | BTU/HR | | |
|  02 | XXXX-UH-02 | MARKEL F3484 | 4 | 13,600 | 208V 1 PHASE | 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 |
|  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 |
|  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 |
|  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 |
|  03 | BREAK ROOM 106 | 6 (154 SF) | 5 CFM/PERSON .06 CFM/SF (1.25) | 49 | 100 | PER NEW YORK MECHANICAL CODE |
|  01 | RESTROOM 1 107 | 1 WC | 70 CFM EXH./WC | 70 EXH | 100 EXH | QUANTITIES ARE EXHAUSTED (19 CFM OF O.A. - RTU-03) |
|  02 | RESTROOM 2 108 | 1 WC | 70 CFM EXH./WC | 70 EXH | 100 EXH | QUANTITIES ARE EXHAUSTED (19 CFM OF O.A. - RTU-03) |
| NOTE: NEW YORK MECHANICAL CODE BREATHING ZONE OUTDOOR AIR FLOW (CFM) VBz = RpP2+RaAz x 1.25 WHERE Az = ZONE FLOOR AREA P2= POPULATION Rp = TABLE 6.1 OUTDOOR AIR PER PERSON Ra = 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 | | | | |

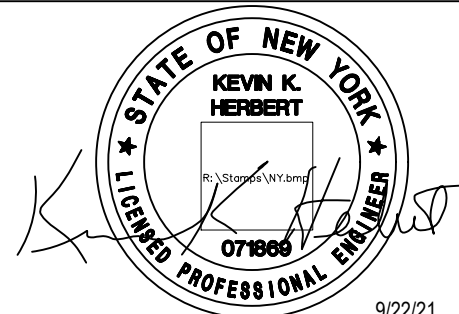
| LIGHTING AND HEATING SCHEDULE | | | | | | | | | |
|---|---|---|------------------------------|---------------------------|------------------------------|---------------------------|---------------------------|---------------------------|--------------------------|
| | PARKING LOT / NON-SECURITY BUILDING 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 |
| LIGHTING CONTROL ZONE | GROUP 4 | GROUP 3 | GROUP 1 | GROUP 1 | GROUP 2 | GROUP 2 | | | |
| 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.



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REVISIONS

| TYPE | DATE | # | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|------|------|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |

MECHANICAL
SCHEDULES

DATE 9/22/21

JOB NO. 20420

M1.1

SHEET NO.