

| OUTSIDE AIR CALCULATION | | | | | | | | | | | | |
|-------------------------|-------------|----------------|-------------------|----------|------------|-------------------------|---------------------------|-------------------------------|------------------------|---------------------------|-----|-----|
| AREA SERVED | AREA (SQFT) | CFM UNOCCUPIED | MIN. O&A REQUIRED | # PEOPLE | CFM PERSON | PEOPLE O.A. REQ'D (CFM) | COMBINED O.A. REQ'D (CFM) | SYSTEM VENTILATION EFFICIENCY | TOTAL O.A. REQ'D (CFM) | TOTAL O.A. SUPPLIED (CFM) | | |
| COFFEE | 470 | 0.06 | 28 | 3 | 7.5 | 23 | 51 | .894 | 57 | 435 | | |
| DELIVERY | 61 | 0.12 | 7 | 0 | 0 | 0 | 7 | .894 | 8 | | | |
| VESTIBULE | 117 | 0.06 | 7 | 0 | 0 | 0 | 7 | .894 | 8 | | | |
| RETAIL | 1238 | 0.06 | 74 | 25 | 7.5 | 188 | 262 | .894 | 283 | | | |
| WASH RM. | 216 | 0.18 | 39 | 1 | 7.5 | 8 | 47 | .894 | 59 | | | |
| | | | | | | | | | | RTU-1 | 425 | 435 |
| | | | | | | | | | | RTU-2 | 130 | 140 |
| | | | | | | | | | | RTU-3 | 133 | 300 |
| BACKROOM | 151 | 0.18 | 27 | 1 | 7.5 | 8 | 35 | .986 | 36 | | | |
| FOOD SVC | 434 | 0.18 | 78 | 2 | 7.5 | 15 | 93 | .986 | 94 | | | |
| OFFICES | 171 | 0.06 | 10 | 2 | 5 | 10 | 20 | .877 | 23 | | | |
| RETAIL | 453 | 0.06 | 27 | 9 | 7.5 | 69 | 95 | .877 | 108 | | | |
| RRS/MISC. | 252 | 0 | 0 | 0 | 0 | 0 | 0 | .877 | 0 | | | |
| VESTIBULE | 33 | 0.06 | 2 | 0 | 0 | 0 | 2 | .877 | 2 | | | |

| AIR BALANCE SCHEDULE | |
|----------------------------|------|
| SYSTEM | CFM |
| RTU-1 | +435 |
| RTU-2 | +140 |
| RTU-3 | +300 |
| EF-1 | -275 |
| EF-2 | -100 |
| EF-3 | -50 |
| BUILDING POSITIVE PRESSURE | +450 |

MECHANICAL GENERAL NOTES

- REFER TO WRITTEN BOOK SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- THE WORK TO BE DONE UNDER THESE SPECIFICATIONS AND THE DRAWINGS CONSISTS OF FURNISHING ALL EQUIPMENT, MATERIALS, LABOR AND SERVICES, AND PERFORMING ALL OPERATIONS TO COMPLETE THE MECHANICAL CONSTRUCTION WORK FOR THIS PROJECT. ANY WORK NOT SPECIFICALLY COVERED BY THESE SPECIFICATIONS OR INDICATED ON THE MECHANICAL/ELECTRICAL/PLUMBING PLANS, BUT NECESSARY TO COMPLETE OR PERFECT ANY PART OF THIS INSTALLATION IN A SUBSTANTIAL MANNER, SHALL BE PROVIDED WITHOUT EXTRA COST TO OWNER.
- THE TERM "FURNISH" SHALL MEAN TO OBTAIN AND SUPPLY TO THE JOB SITE. THE TERM "INSTALL" SHALL MEAN TO FIX IN POSITION AND CONNECT FOR USE. THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL. THE TERM "MECHANICAL WORK" OR "WORK" SHALL MEAN ALL LABOR, MATERIAL, EQUIPMENT, SCAFFOLDING, RIGGING, TOOLS, SUPERVISION, SERVICES AND OTHER INCIDENTALS NECESSARY FOR COMPLETE AND OPERABLE INSTALLATION.
- THE CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT, MATERIALS AND LABOR TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM AS INDICATED ON THE DESIGN DOCUMENTS.
- CONTRACTOR SHALL OBTAIN ALL PERMITS, INSPECTIONS AND APPROVALS PRIOR TO AND DURING CONSTRUCTION.
- ALL MATERIALS, EQUIPMENT AND INSTALLATIONS SHALL BE IN STRICT ACCORDANCE WITH JURISDICTION'S LATEST ACCEPTED VERSION OF THE INTERNATIONAL BUILDING CODE - MECHANICAL, SMACNA, UL, STATE CODES, LOCAL CODES, MANUFACTURER'S RECOMMENDATIONS, AND ALL AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR SHALL PROVIDE ALL ROOFING OPENINGS, FLASHINGS, AUXILIARY STEEL, THREADED RODS, VIBRATION ISOLATORS, TURNBUCKLES, ETC. TO SUPPORT HIS EQUIPMENT ON OR FROM THE STRUCTURE.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES AND IN FIELD PRIOR TO INSTALLATION OF ANY WORK. REPORT ALL CONFLICTS IMMEDIATELY TO ARCHITECT AND ENGINEER.
- THE DRAWINGS INDICATE DIAGRAMMATICALLY THE EXTENT, GENERAL CHARACTER AND LOCATION OF THE WORK INCLUDED. OFFSETS OR CHANGES IN DUCT SHAPE TO AVOID STRUCTURAL OR OTHER INTERFERENCES, AND WORK INDICATED BUT HAVING MINOR DETAILS OBVIOUSLY OMITTED SHALL BE PROVIDED WITHOUT EXTRA COST.
- ANY CHANGES AND/OR MODIFICATIONS MUST BE REVIEWED AND APPROVED BY THE ENGINEER OR OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
- REMOVE ALL TRASH, DEBRIS AND DEMOLITION MATERIAL FROM PREMISES AT THE END OF EACH WORK DAY.
- SCHEDULE ALL WORK, CUTTING AND BUILDING SERVICE INTERRUPTIONS WITH BUILDING OWNER AND CONSTRUCTION MANAGER, PRIOR TO COMPLETING WORK.
- ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS.
- THE MAXIMUM FLEXIBLE DUCT LENGTH PERMITTED IS 8'-0". THIS DUCTWORK SHALL BE INSTALLED WITHOUT KINKS OR 90° BENDS.
- ALL FLEXIBLE DUCTWORK SHALL BE FLEX-VENT TYPE (M INSULATED WITH POLYMER INNER FILM AND METALIZED OUTER JACKET, OR APPROVED EQUAL). SIZE SHALL BE SAME AS DIFFUSER NECK SIZE, UNLESS INDICATED OTHERWISE.
- FIELD ADJUST THE DIRECTION OF BLOW FOR ALL SUPPLY AIR DEVICES SO THAT THE DEVICES DO NOT BLOW DIRECTLY INTO SOFFITS, CURTAIN WALLS, REFRIGERATED CASES OR EXHAUST HOODS.
- ALL NEW AND EXISTING PIPES AND DUCTS SHALL HAVE UL FIRE RATED SLEEVES AND/OR FIRE RATED DAMPERS, WHEN PASSING THROUGH FIRE RATED CONSTRUCTION.
- COORDINATE LOCATION OF NEW DUCTWORK, AIR DEVICES AND EQUIPMENT WITH LIGHT FIXTURES, SPRINKLER PIPING AND HYDRONIC PIPING.
- CONTRACTOR SHALL VERIFY FIELD CONDITIONS AT THE SITE AND NOTIFY THE OWNER/ENGINEER OF ANY DISCREPANCIES PRIOR TO COMMENCING WITH WORK.
- ALL TEMPERATURE AND HUMIDITY SENSORS SHALL BE INSTALLED 5' ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE ON PLAN. COORDINATE FINAL LOCATIONS WITH EQUIPMENT, FURNITURE, TENANT AND ARCHITECT PRIOR TO INSTALLATION.
- ALL DUCTWORK SHALL BE GALVANIZED STEEL CONSTRUCTED AT 2" PRESSURE CLASS. ALL CONCEALED DUCTWORK BELOW TRUSSES SHALL BE INSULATED WITH 1-1/2" FIBERGLASS DUCT WRAP WITH WIRE SUPPORT BANDS ON 24" CENTERS. ALL CONCEALED DUCTWORK ABOVE THE TRUSSES SHALL BE INSULATED WITH 1-1/2" OF FIBERGLASS DUCT WRAP WITH WIRE SUPPORT BANDS ON 24" CENTERS. ALL INTERIOR EXPOSED DUCTWORK BELOW TRUSSES SHALL BE INSULATED WITH 1" RIGID FIBERGLASS DUCT BOARD WITH FIBERGLASS AND SCRAM FACING. ALL EXTERIOR EXPOSED DUCTWORK SHALL BE INSULATED WITH 4" RIGID FIBERGLASS BOARD WITH WEATHERPROOF MEMBRANE.
- VERIFY ALL EQUIPMENT VOLTAGES, WIRING REQUIREMENTS, AND REQUIRED BREAKER SIZES WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.
- ALL ACCESS DOORS REQUIRED IN GENERAL CONSTRUCTION ARE TO BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO IDENTIFY SIZE, TYPE AND LOCATION OF SUCH DOORS FOR PROPER ACCESS TO ALL CONCEALED MECHANICAL EQUIPMENT, VALVES AND OTHER RELATED DEVICES. THE MECHANICAL CONTRACTOR SHALL IDENTIFY THESE REQUIREMENTS ON A COORDINATED SHOP DRAWING PRIOR TO SYSTEM FABRICATION AND INSTALLATION.
- AFTER THE HEATING AND AIR CONDITIONING SYSTEM INSTALLATIONS ARE COMPLETE, THE CONTRACTOR SHALL BALANCE THE SYSTEM AND PRESENT OWNER & ARCHITECT WITH A WRITTEN BALANCING REPORT BY A CERTIFIED INDEPENDENT BALANCING LAB. DAMPER HANDLES SHALL BE FASTENED INTO DUCTWORK WITH SHEETMETAL SCREWS AFTER BALANCING TO ASSURE CORRECT BALANCED AIRFLOW.
- PROVIDE ELBOWS OR TEES WITH TURNING VANES FOR ALL CHANGES IN SUPPLY DUCT DIRECTION. IN THE BRANCH DUCT, DAMPERS WITH LOCKING QUADRANTS FOR ALL BRANCHES AND TAKE-OFFS. PROVIDE RAISED QUADRANTS ON INSULATED DUCTWORK. ALL VOLUME DAMPER HANDLES ARE TO PROTRUDE NEATLY THROUGH DUCT INSULATION AND BE LOCATED SO THAT THEY ARE CLEARLY VISIBLE.
- PROVIDE FLEXIBLE CONNECTIONS AT ALL DUCT CONNECTIONS TO VIBRATING EQUIPMENT. THESE CONNECTIONS SHALL BE INSTALLED IN CLOSE PROXIMITY TO SUCH EQUIPMENT.
- THE MECHANICAL CONTRACTOR SHALL HAVE A QUALIFIED HVAC TECHNICIAN FROM THE UNIT MANUFACTURER PROVIDE AN EQUIPMENT OPERATION CHECK AFTER UNIT START-UP AND PRIOR TO CERTIFYING AND SIGNING THE CERTIFICATION. THE CERTIFICATION, SIGNED BY THE TECHNICIAN, MUST BE INCLUDED IN THE GENERAL CONTRACTOR'S CLOSING DOCUMENTS FOR THE STORE.

HVAC LEGEND

| SYMBOL | DESCRIPTION |
|--------|---|
| | NEW RECTANGULAR OR ROUND DUCT |
| | FLEXIBLE DUCT |
| | SUPPLY AIR DUCTWORK UP THROUGH PLAN |
| | RETURN AIR DUCTWORK UP THROUGH PLAN |
| | EXHAUST AIR DUCTWORK UP THROUGH PLAN |
| | 90° ELBOW WITH TURNING VANES |
| | MANUAL AIR VOLUME CONTROL DAMPER |
| | 4 WAY SUPPLY DIFFUSER |
| | 3 WAY SUPPLY DIFFUSER |
| | 2 WAY OPPOSED SUPPLY DIFFUSER |
| | 2 WAY COMBINATION DIFFUSER |
| | RETURN AIR DEVICE |
| | EXHAUST AIR DEVICE |
| | VAV PLAQUE FACE DIFFUSER |
| | AIR CURTAIN |
| | LINEAR SLOT DIFFUSER WITH PLENUM |
| | TEMPERATURE SENSOR |
| | COMBINATION TEMPERATURE/HUMIDITY SENSOR |
| | CO2 SENSOR |
| | TYPE MARK CFM |
| | MECHANICAL EQUIPMENT TAG |
| | CONDENSATE PIPING |
| | ROOF MOUNTED EXHAUST FAN |
| | INLINE EXHAUST FAN |
| | PACKAGED ROOFTOP AIR CONDITIONER |

ABBREVIATIONS

| | | | |
|--------|------------------------------------|------|----------------------------------|
| DB°F | DRY BULB DEGREES FAHRENHEIT | LD | LINEAR DIFFUSER |
| A/C | AIR CONDITIONING | L.P. | LOW PRESSURE |
| AC | AIR CURTAIN | MAX | MAXIMUM |
| A.F.F. | ABOVE FINISHED FLOOR | MBH | 1000 BTU PER HOUR |
| BAS | BUILDING AUTOMATION SYSTEM | MCA | MINIMUM CIRCUIT AMPACITY |
| BTU | BRITISH THERMAL UNIT | MIN | MINIMUM |
| CD | CEILING DIFFUSER | MOPC | MAXIMUM OVER CURRENT PROTECTION |
| CFM | CUBIC FEET PER MINUTE | MPH | MILES PER HOUR |
| CO2 | CARBON DIOXIDE | O.A. | OUTSIDE AIR |
| D | DIAMETER | O.C. | ON CENTER |
| EER | ENERGY EFFICIENCY RATIO | PVC | POLYVINYL CHLORIDE |
| EF | EXHAUST FAN | REQD | REQUIRED |
| FFH | FAN FORCED HEATER | RTU | PACKAGED ROOF TOP HVAC UNIT |
| G | GRILLE | SCH | SCHEDULE |
| G.C. | GENERAL CONTRACTOR | SEER | SEASONAL ENERGY EFFICIENCY RATIO |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER | SQ | SQUARE FOOT |
| HP | HORSEPOWER | TYP | TYPICAL |
| IEER | INTEGRATED ENERGY EFFICIENCY RATIO | V | VOLTS |
| IN. | INCHES WATER COLUMN | W | WITH |
| LBS. | POUNDS | WB°F | WET BULB DEGREES FAHRENHEIT |

HVAC AIR DEVICE SCHEDULE

| TYPE MARK | MANUFACTURER | MODEL | SERVICE | DESCRIPTION | MOUNTING TYPE | MATERIAL | NECK SIZE | FACE SIZE | NOTES |
|-----------|--------------|--------|-----------------|--------------------------------------|---------------|----------|-----------|-------------|-------|
| CD-1 | PRICE | AMD | SUPPLY | LOUVERED FACE DIRECTIONAL DIFFUSER | LAY-IN | ALUMINUM | 18"X18" | 24"X24" | 1,7 |
| CD-2 | PRICE | AMD | SUPPLY | LOUVERED FACE DIRECTIONAL DIFFUSER | SURFACE | ALUMINUM | 12"X12" | NECK+5" | 6,7 |
| CD-3 | PRICE | AMD | SUPPLY | LOUVERED FACE DIRECTIONAL DIFFUSER | SURFACE | ALUMINUM | 6"X6" | NECK+5" | 6,7 |
| CD-4 | PRICE | VPD-HC | SUPPLY | VAV PLAQUE FACE DIFFUSER | LAY-IN | STEEL | 6" | 24"X24" | 4,7 |
| G-1 | PRICE | 630FF | RETURN/TRANSFER | LOUVERED FACE FILTER RETURN GRILLE | LAY-IN | ALUMINUM | 20"X20" | NECK+3-3/4" | 5 |
| G-2 | PRICE | 630FF | RETURN/TRANSFER | LOUVERED FACE FILTER RETURN GRILLE | SURFACE | ALUMINUM | 16"X16" | NECK+3-3/4" | 5 |
| G-3 | PRICE | 630FF | EXHAUST | LOUVERED FACE FILTER RETURN GRILLE | SURFACE | ALUMINUM | 8"X8" | NECK+3-3/4" | 5 |
| G-4 | PRICE | 630D | EXHAUST | LOUVER FACE RETURN GRILLE | SURFACE/WALL | ALUMINUM | 10"X10" | NECK+1-3/4" | - |
| G-5 | PRICE | 630D | TRANSFER | LOUVER FACE RETURN GRILLE | SURFACE/WALL | ALUMINUM | 8"X8" | NECK+1-3/4" | - |
| LD-1 | PRICE | TB014 | SUPPLY | 24" INSULATED PLENUM W/ (3) 1" SLOTS | LAY-IN | ALUMINUM | 8" | N/A | 2 |
| LD-2 | PRICE | TB014 | SUPPLY | 48" INSULATED PLENUM W/ (3) 1" SLOTS | LAY-IN | ALUMINUM | 10" | N/A | 2,3 |
| LD-3 | PRICE | TB014 | SUPPLY | 48" INSULATED PLENUM W/ (4) 1" SLOTS | LAY-IN | ALUMINUM | 12" | N/A | 2,3 |

- NOTES:
- NO SUBSTITUTIONS PERMITTED.
 - FOR LAY-IN CEILING PROVIDE WITH 18"X18" FULL FACE APPEARANCE DIFFUSER NECK. PROVIDE WITH FACTORY SQUARE TO ROUND NECK ADAPTER MODEL "SR". ROUND NECK SIZE SHALL BE EQUAL TO FLEX SIZE SERVING DIFFUSER.
 - PROVIDE WITH PLENUM INTERNALLY LINED WITH COATED FIBERBOARD. EXTERNALLY INSULATE PLENUM UPON INSTALLATION WITH DUCT WRAP INSULATION.
 - PROVIDE WITH CENTER NOTCH OPTION (CNI) AS REQUIRED WHEN USED IN 24" T-BAR CEILING.
 - PROVIDE WITH INTEGRAL AUTOMATIC CHANGEOVER THERMOSTAT FOR COOLING AND HEATING MODES.
 - "GR" STYLE (1/4 TURN FASTENERS ONLY) - OMIT HINGE. FILTER TYPE RETURN GRILLES PROVIDED SOLELY FOR MAINTENANCE PURPOSES. OMIT FILTER UPON INSTALLATION.
 - PROVIDE WITH TYPE 6 BEVELED SURFACE MOUNT FRAME AND FACTORY SQUARE TO ROUND NECK ADAPTER MODEL "SR".
 - PROVIDE WITH BACKPAN INSULATION.

HVAC AIR CURTAIN SCHEDULE

| MARK | AREA SERVED | BASIS OF DESIGN | | | | UNIT POWER | | MOUNTING HEIGHT | NOTES |
|------|------------------|-----------------|----------|------------|-----|------------|-------|-----------------|-------|
| | | MANUFACTURER | MODEL | NOZZLE CFM | HP | VOLTAGE | PHASE | | |
| AC-1 | DELIVERY/STAGING | POWERED AIRE | BCE-1-48 | 2155 | 0.5 | 120 V | 1 | 7'-2" | 1,4 |
| AC-2 | DELIVERY/STAGING | POWERED AIRE | BCE-1-36 | 2170 | 0.5 | 120 V | 1 | 7'-2" | 1,4 |
| AC-3 | REAR VESTIBULE | POWERED AIRE | BCE-1-36 | 2170 | 0.5 | 120 V | 1 | 7'-2" | 1,4 |

- NOTES:
- NO SUBSTITUTIONS PERMITTED.
 - MOUNT INSIDE BUILDING ABOVE DOOR AT 7'-2" A.F.F. MOUNTING HEIGHT IS FROM BOTTOM OF AIR CURTAIN.
 - PROVIDE ALL NECESSARY MOUNTING BRACKETS AND ACCESSORIES.
 - PROVIDE WITH MODEL SM-300 COMMERCIAL MAGNETIC REED DOOR SWITCH.
 - AIR CURTAIN CONTROLLED BY MAGNETIC REED DOOR SWITCH, FAN ON WHEN DOOR IS OPEN.

HVAC EXHAUST FAN SCHEDULE

| MARK | CFM | EXT. STATIC PRESSURE | FAN TYPE | DRIVE TYPE | SONES | HP | FAN RPM | UNIT POWER | | BASIS OF DESIGN | | NOTES |
|------|-----|----------------------|-----------|------------|-------|------|---------|------------|-------|-----------------|--------|-------|
| | | | | | | | | VOLTAGE | PHASE | MANUFACTURER | MODEL | |
| EF-1 | 275 | 0.275 in-wg | DOWNBLAST | DIRECT | 0.5 | 1/2 | 1550 | 120 V | 1 | PENNBARRY | DX-100 | 1,2 |
| EF-2 | 100 | 0.300 in-wg | DOWNBLAST | DIRECT | 0.5 | 1/30 | 1550 | 120 V | 1 | PENNBARRY | DX00R | 1,2 |
| EF-3 | 50 | 0.250 in-wg | INLINE | DIRECT | 0.6 | 28 W | 685 | 120 V | 1 | LOREN COOK | GN-148 | 2,3 |

- NOTES:
- NO SUBSTITUTIONS PERMITTED.
 - PROVIDE WITH FACTORY DISCONNECT, FACTORY WIRED SOLID STATE SPEED CONTROLLER, 18" HIGH ROOF CURB WITH DAMPER TRAY, BACKDRAFT DAMPER, AND BIRD SCREEN.
 - WIRE FOR CONTINUOUS OPERATION.

HVAC ELECTRIC HEATING UNIT SCHEDULE

| MARK | CFM | FAN TYPE | VOLTAGE | PHASE | HEATING CAPACITY | BASIS OF DESIGN | | NOTES |
|-------|-----|-----------------------|---------|-------|------------------|-----------------|----------|-------|
| | | | | | | MANUFACTURER | MODEL | |
| EFH-1 | 150 | AN FORWARD CLG HEATER | 120 V | 1 | 1500 W | QMARK | EFF-1500 | 1,3 |
| EFH-2 | 150 | AN FORWARD CLG HEATER | 120 V | 1 | 1500 W | QMARK | EFF-1500 | 1,3 |
| EFH-3 | 150 | AN FORWARD CLG HEATER | 120 V | 1 | 1500 W | QMARK | EFF-1500 | 1,3 |

- NOTES:
- NO SUBSTITUTIONS PERMITTED.
 - COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS.
 - PROVIDE FACTORY ACCESSORIES AS REQUIRED FOR RECESSED CEILING INSTALLATION.
 - PROVIDE WITH INTERNAL DISCONNECT SWITCH, FACTORY FAN DELAY SWITCH, FACTORY HIGH TEMPERATURE CUTOFF SWITCH, AND INTEGRAL THERMOSTAT.

HVAC ROOFTOP UNIT SCHEDULE

| MARK | AREA SERVED | NOMINAL TONS | FAN DATA | | | GAS HEAT | | | UNIT POWER | | WEIGHT LBS | MIN. UNIT COOLING CAPACITY | EER (NEER) | BASIS OF DESIGN | | NOTES | |
|-------|--------------|--------------|-------------|--------|-----|----------|--------|---------|------------|-------|------------|----------------------------|------------|-----------------|------------------|-----------|------|
| | | | OUTSIDE AIR | E.S.P. | HR | INPUT | OUTPUT | CONTROL | VOLTAGE | PHASE | | | | MANUFACTURER | MODEL | | |
| RTU-1 | RETAIL | 7.5 | 2700 | 435 | 1.0 | 2.0 | 130 | 104 | 2 | 208 V | 3 | 50 | 13.2 | 14.0 | LENNOX ENERGENCE | LGH92H4M | 1-22 |
| RTU-2 | FOOD SERVICE | 10 | 4490 | 140 | 1.0 | 3.0 | N/A | N/A | N/A | 208 V | 3 | 70 | 12.2 | 14.0 | LENNOX ENERGENCE | LGH120H4M | 4-23 |
| RTU-3 | RETAIL | 5 | 1750 | 300 | 1.0 | 1.0 | 70 | 57 | 2 | 208 V | 3 | 45 | 12.3 | 15.9 | LENNOX ENERGENCE | LGH060S41 | 2-22 |

- NOTES:
- PROVIDE CO2 SENSOR FOR INTERLINK WITH BUILDING AUTOMATION SYSTEM.
 - PROVIDE LENNOX HUMIDITROL HOT GAS REHEAT OPTION.
 - PROVIDE REMOTE WALL MOUNTED COMBINATION TEMPERATURE/HUMIDITY SENSOR MODEL 21W06.
 - REFER TO CONTROL SYSTEM NOTES FOR CONTROL COMPONENTS REQUIREMENTS.
 - PROVIDE 5-MINUTE ANTI-SHORT CYCLING TIMER.
 - PROVIDE THRU THE BASE ELECTRICAL AND SINGLE POINT CONNECTION.
 - PROVIDE WITH FACTORY 2" THROUGH THE WALL HEATED DRAIN FILTERS.
 - PROVIDE WITH 18" ROOF CURB.
 - PROVIDE FACTORY 15 AMP GFCI SERVICE PANEL WITH WEATHERPROOF COVER. COORDINATE WITH ELECTRICAL CONTRACTOR TO PROVIDE FIELD WIRING TO RECEPTACLE.
 - PROVIDE WITH FACTORY INSTALLED DISCONNECT.
 - PROVIDE UNIT WITH HAL GUARD.
 - PROVIDE WITH DUAL EXHAUST FAN ECONOMIZER. UNIT MOUNTED POWERED EXHAUST FAN.
 - PROVIDE MANUAL VALVES MOVING AND DRIVE PRESSURE AS REQUIRED TO MEET SCHEDULED AIR CAPACITIES AND PRESSURE DROP.
 - PROVIDE FACTORY APPLIED PHENOLIC COATING FOR CORROSION PROTECTION ON CONDENSER COILS WITHIN 5 MILES OF SALT WATER.
 - PROVIDE BUILDING AUTOMATION SYSTEM EQUIPMENT - REFER TO BAS SYSTEM MASTER SPEC FOR SYSTEM DETAILS AND EQUIPMENT PART NUMBERS.
 - PROVIDE FACTORY INSTALLED LONIAL FILTER INTERFACE.
 - PROVIDE FACTORY DRY CONTACT SWITCH.
 - PROVIDE FACTORY BAC CONTROL BOARD (STANDARD ON I-SERIES UNITS).
 - TEMPERATURE SETPOINT: COOLING, 66°F HEATING, HUMIDITY SETPOINT: 50% RELATIVE HUMIDITY.
 - PROVIDE WITH MULTI-STATE AIR VOLUME DRIVE.
 - PROVIDE WITH FACTORY CONDENSATE PAN WATER LEVEL MONITORING DEVICE FOR COMPLIANCE WITH IMC, SECTION 307.2.3.
 - PROVIDE WITH FACTORY INSTALLED SUPPLY AND RETURN SMOKE DETECTORS.
 - PROVIDE WITH FACTORY FLUSH WALL MOUNTED TEMPERATURE SENSOR MODEL 78M32.

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PROJECT NAME
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STORE #8647-PHM
PARRHAM RD. & THREE CHOFT RD.
HENRICO, VA

| Revision Schedule | No. | Description | Date |
|-------------------|-----|-------------|------------|
| PERMIT SET | A | REV 2/18/01 | 09/21/2018 |
| BID SET | A | REV 2/18/01 | 01/28/2019 |

PROJECT NO.
2180130

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09-21-2018

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M3