## FAN SCHEDULE

| TAG | DRIVE TYPE | EXHAUST FLOW | E.S.P. | WEIGHT | ELECTRICAL | | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MOTOR POWER | V/P/H | | | MANUFACTURER | MODEL | |
| EF-1 | Belt | 2925 CFM | 1.20 in-wg | 300 | 2 HP | 208/3/60 | HS | GC | Captive-Aire | NCA24HPFA | FURNISHED WITH DISCONNECT AND VENTED ROOF CURB |
| EF-2 | DIRECT | 75 CFM | 0.60 in-wg | 100 | 0.06 HP | 120/1/60 | HS | GC | CAPTIVE-AIRE | DR10HFA | FURNISHED WITH DISCONNECT, VARIABLE SPEED CONTROLLER, BACKDRAFT DAMPER AND ROOF CURB |
| EF-3 | DIRECT | 75 CFM | 0.60 in-wg | 100 | 0.06 HP | 120/1/60 | HS | GC | CAPTIVE-AIRE | DR10HFA | FURNISHED WITH DISCONNECT, VARIABLE SPEED CONTROLLER, BACKDRAFT DAMPER AND ROOF CURB |

## AIR BALANCE SCHEDULE

| TAG | SUPPLY FLOW [CFM] | RETURN FLOW [CFM] | EXHAUST FLOW [CFM] | SUBTOTAL [CFM] |
|---|---|---|---|---|
| EF-1 | 0 | 0 | 2925 | -2925 |
| EF-2 | 0 | 0 | 75 | -75 |
| EF-3 | 0 | 0 | 75 | -75 |
| MAU-1 | 1775 | | | |
| RTU-1 | 2400 | 1900 | 0 | 500 |
| RTU-2 | 4000 | 3000 | 0 | 1000 |
| NET PRESSURIZATION [CFM] | | | | -1575 |

## CONTROL FUNCTIONS

A. THE MAIN COOKING EXHAUST FAN AND MAKE-UP AIR UNIT SHALL BE INTERLOCKED TO OPERATE TOGETHER. THIS CONTROL CIRCUIT IS ACTIVATED BY A SWITCH AND INCLUDES A FIRE PROTECTION OVERRIDE.

B. THE TEMPERATURE IN EACH ZONE IS CONTROLLED BY SPACE TEMPERATURE SENSORS CONNECTED TO THE THERMOSTATS LOCATED IN THE OFFICE. ALL ZONES SHALL OPERATE WITH CONTINUOUS FAN OPERATION DURING OCCUPIED TIMES AND INTERMITTENTLY AS NEEDED TO MAINTAIN SET POINTS DURING UNOCCUPIED TIMES. OUTSIDE AIR DAMPERS SHALL BE OPEN CONTINUOUSLY WHEN EITHER IN OCCUPIED MODE OR WHEN THE HOOD SYSTEM IS ON AND SHALL BE CLOSED DURING UNOCCUPIED PERIODS.

C. THE THERMOSTATS SHALL DETERMINE OCCUPIED/UNOCCUPIED STATUS USING A BUILT-IN LIGHT SENSOR, SUCH THAT WHEN THE AMBIENT LIGHT IS ABOVE AN ADJUSTABLE SETPOINT THE SYSTEM SHALL BE IN OCCUPIED MODE AND WHEN THE AMBIENT LIGHT IS BELOW AN ADJUSTABLE SETPOINT THE SYSTEM SHALL BE IN UNOCCUPIED MODE.

## MAKEUP AIR UNIT WITH EVAPORATIVE COOLING SCHEDULE

| TAG | DESCRIPTION | AIRFLOW | | HEATING CAPACITY | | | | EVAPORATIVE COOLING CAPACITY | | | | | APPROXIMATE WEIGHT [LBS] | ELECTRICAL | | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | EAT | | LAT | | MAKEUP WATER FLOW [GPM] | | MOTOR POWER | V/P/H | | | MANUFACTURER | MODEL | |
| | | TOTAL [CFM] | E.S.P. [IN. W.C.] | INPUT [MBH] | OUTPUT [MBH] | MAX TURNDOWN | EAT | DB | WB | DB | WB | | | | | | | | | |
| MAU-1 | Makeup Air Unit | 1775 | 0.8 | 225 | 220 | 12.5:1 | 31 °F | 104 °F | 65 °F | 67 °F | 65 °F | 0.1 | 800 | 2 HP | 208/3/60 | THS | GC | Captive-Aire | A1-D.250-G10 | FURNISHED WITH DISCONNECT, ROOF CURB, AND EVAPORATIVE COOLER INTAKE |

## CONDENSING UNIT SCHEDULE

| TAG | DESCRIPTION | NOMINAL CAPACITY [TONS] | # OF COMPRESSORS | # OF CIRCUITS | REFRIGERANT | REFRIGERANT CHARGE | WEIGHT [LBS] | ELECTRICAL | | | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MOCP | FLA | V/P/H | | | MANUFACTURER | MODEL | |
| CU-1 | Walk-in Cooler Remote Condensing Unit | -- | 1 | 1 | R-410A | 10.7 lbs | 260 | 20 A | 16.2 A | 208/3/60 | WCS | GC | Norlake | NASD150RL3 | FURNISHED WITH WALK-IN COOLER |
| CU-2 | Ice Maker - Remote Condenser | -- | 0 | 1 | R-404A | 4.0 lbs | 100 | | | 120/1/60 | KES | GC | Hoshizaki | URC-14F | FURNISHED WITH ICE MAKER |

## KITCHEN HOOD SCHEDULE

| TAG | DESCRIPTION | MAX COOKING TEMP | EXHAUST PLENUM | | | | | | | PERFORATED SUPPLY PLENUMS | | | | | | | | | | # LIGHT FIXTURES | APPROXIMATE WEIGHT [LBS] | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AIRFLOW [CFM] | SP [IN. W.C.] | DUCT COLLARS | | | LENGTH | WIDTH | SP [IN. W.C.] | SUPPLY PLENUM LENGTH | SUPPLY PLENUM WIDTH | MAU PLENUM | | | | AC PLENUM | | | | | | | | MANUFACTURER | MODEL | |
| | | | | | NO. | WIDTH | LENGTH | | | | | | AIRFLOW [CFM] | NO. | WIDTH | LENGTH | AIRFLOW [CFM] | NO. | DIAMETER | | | | | | | |
| HD-1 | Type I Canopy Hood with Perforated MAU and AC Supply Plenums | 450°F | 2925 | 0.77 | 2 | 10" | 14" | 13' - 0" | 4' - 3" | 0.1 | 14' - 0" | 22" | 1775 | 4 | 10" | 16" | 600 | 7 | 8" | 9 | 950 | HS | GC | Captive-Aire | 5424 ND-2-ACPSP-F | MAT'L: 18 GA. TYPE 430 SS. PROVIDE WITH 16" TALL HE SS FILTERS, INTEGRAL UTILITY CABINET, ANSUL SYSTEM, DUCT COLLAR TEMPERATURE SENSOR, PREWIRE PACKAGE, SPARE FIRE SYSTEM DRY CONTACT, AND 4-POLE 20A CONTACTOR |

## ROOFTOP UNIT SCHEDULE

| TAG | DESCRIPTION | NOMINAL CAPACITY [TONS] | EER/SEER | AIRFLOW | | | COOLING CAPACITY | | | | HEATING CAPACITY | | | # OF COMPRESSORS | # OF CIRCUITS | REFRIGERANT TYPE | REFRIGERANT CHARGE | APPROXIMATE WEIGHT [LBS] | ELECTRICAL | | | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL [CFM] | OA [CFM] | ESP [IN. W.C.] | NET TOTAL [MBH] | NET SENSIBLE [MBH] | EAT [DEG. F.] | | COND. EAT [DEG. F.] | INPUT [MBH] | OUTPUT [MBH[ | EAT [DEG. F.] | | | | | | MOCP | FLA | V/P/H | | | MANUFACTURER | MODEL | |
| | | | | | | | | | DB | WB | | | | | | | | | | | | | | | | | |
| RTU-1 | Kitchen Rooftop Unit | 6 | 12.6 | 2400 | 500 | 1.0 | 52 | 52 | 82 | 62 | 109 | 80 | 64 | 63 | 1 | 1 | R-410A | 7.5 LBS | 1300 | 50 A | 32.3 A | 208/3/60 | HES | GC | TRANE | YHC072 | FURNISHED WITH COMPARATIVE ENTHALPY ECONOMIZER W/ BAROMETRIC RELIEF, HINGED PANELS, MERV 8 FILTERS, HAIL GUARD, CIRCUIT BREAKER,UNPOWERED CONVENIENCE RECEPTACLE, RETURN AIR SMOKE DETECTOR, LIGHTSTAT WITH REMOTE SENSOR, AND ROOF CURB |
| RTU-2 | Dining Room Rooftop Unit | 10 | 12.4 | 4000 | 1000 | 1.0 | 93 | 93 | 83 | 60 | 109 | 150 | 120 | 61 | 2 | 2 | R-410A | 7.1/5.0 LBS | 1800 | 60 A | 48.9 A | 208/3/60 | HES | GC | TRANE | YHC120 | FURNISHED WITH COMPARATIVE ENTHALPY ECONOMIZER W/ BAROMETRIC RELIEF, HINGED PANELS, MERV 8 FILTERS, HAIL GUARD, CIRCUIT BREAKER,UNPOWERED CONVENIENCE RECEPTACLE, RETURN AIR SMOKE DETECTOR, LIGHTSTAT WITH REMOTE SENSOR, AND ROOF CURB |


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