## GRILLS, REGISTERS, AND DIFFUSERS SCHEDULE

| TAG | DESCRIPTION | FACE SIZE | MATERIAL | FINISH | MOUNTING | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MANUFACTURER | MODEL | |
| BS1 | BATHROOM AIR PURIFICATION UNIT | 5.44" X 16" | ALUMINUM | STAINLESS STEEL | GYP CEILING | TUV | GC | RGF ENVIRONMENTAL GROUP | BRU ASSEMBLY | SEE ELECTRICAL SHEETS FOR CONNECTION INFORMATION |
| CD1 | PERFORATED CEILING DIFFUSER | 24" X 24" | ALUMINUM | WHITE | LAY-IN CEILING | GC | GC | NAILOR | 4320A TYPE L | PROVIDE INTEGRAL OBD |
| CD2 | PERFORATED CEILING DIFFUSER | 12" X 24" | ALUMINUM | WHITE | LAY-IN CEILING | GC | GC | NAILOR | 4320A TYPE L | PROVIDE INTEGRAL OBD, REMOVE 4-WAY DEFLECTOR |
| CD3 | PERFORATED CEILING DIFFUSER | 24" X 24" | ALUMINUM | WHITE | LAY-IN CEILING | GC | GC | NAILOR | 4320A TYPE L | PROVIDE INTEGRAL OBD, REMOVE 4-WAY DEFLECTOR |
| ER1 | PERFORATED CEILING EXHAUST | 12" X 12" | ALUMINUM | WHITE | GYP CEILING | GC | GC | NAILOR | 4330R TYPE S | PROVIDE INTEGRAL OBD |
| RG1 | PERFORATED CEILING RETURN | 48" X 24" | ALUMINUM | WHITE | LAY-IN CEILING | GC | GC | NAILOR | 4330R TYPE L | |
| RG2 | PERFORATED CEILING RETURN | 48" X 24" | ALUMINUM | WHITE | GYP CEILING | GC | GC | NAILOR | 4330R TYPE S | |
| SR1 | ADJUSTABLE TURBO NOZZLE | SEE NECK SIZE | ALUMINUM | WHITE | WALL | GC | GC | SEIHO | NT14 | PROVIDE FACE-ACCESSIBLE OBD |
| SR2 | DOUBLE DEFLECTION SUPPLY REGISTER | SEE NECK SIZE | ALUMINUM | WHITE | WALL | GC | GC | NAILOR | 51DH | PROVIDE INTEGRAL OBD |

## VIROGUARD SCHEDULE

| TAG | QUANITITY | DESCRIPTION | DUCT CONNECTION SIZE | FAN | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN MANUFACTURER | NOTES |
|---|---|---|---|---|---|---|---|---|
| VG-1 | 1 | HURRICANE RATED VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM | 18" X 18" | CAPTIVE-AIRE DU240HFA | TDC | GC | ENVIROMATIC | HIGH WIND MODEL |

## FAN SCHEDULE

| TAG | DRIVE TYPE | EXHAUST FLOW [CFM] | E.S.P. [in W.C.] | WEIGHT [lbs] | ELECTRICAL | | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MOTOR POWER | V/P/H | | | MANUFACTURER | MODEL | |
| EF-1 | DIRECT | 3200 CFM | 1.20 in-wg | 400 | 3 HP | 208/3/60 | HS | GC | CAPTIVE-AIRE | DU240HFA | FURNISHED WITH DISCONNECT AND VENTED ROOF CURB |
| EF-2 | DIRECT | 150 CFM | 0.60 in-wg | 100 | 0.18 HP | 120/1/60 | HS | GC | CAPTIVE-AIRE | DR12HFA | FURNISHED WITH DISCONNECT, VARIABLE SPEED CONTROLLER, BACKDRAFT DAMPER AND ROOF CURB |

## MAKEUP AIR UNIT SCHEDULE

| TAG | DESCRIPTION | AIRFLOW | | APPROXIMATE WEIGHT [lbs] | ELECTRICAL | | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SUPPLY FLOW [CFM] | E.S.P. [in. W.C.] | | MOTOR POWER | V/P/H | | | MANUFACTURER | MODEL | |
| MAU-1 | UNTEMPERED MAKEUP AIR UNIT | 1950 | 0.80 | 350 | 1 HP | 208/3/60 | THS | GC | Captive-Aire | A1-G10 | FURNISHED WITH TRUNKLINE EXTENSION, DISCONNECT, ROOF CURB, SCREEN INTAKE, AND WASHABLE ALUMINUM FILTERS |

## CONDENSING UNIT SCHEDULE

| TAG | DESCRIPTION | NOMINAL CAPACITY [TONS] | NUMBER OF COMPRESSORS | NUMBER OF CIRCUITS | REFRIGERANT TYPE | REFRIGERANT CHARGE | WEIGHT | 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-404A | | 200 | 15 A | 6.5 A | 208/3/60 | WCS | GC | HARFORD | PCL99MOP-3 | FURNISHED WITH WALK-IN COOLER |
| CU-2 | ICE MAKER - REMOTE CONDENSER | -- | 0 | 1 | R-404A | 11 lbs 7.4 oz | 100 | | | 120/1/60 | KES | GC | - | - | FURNISHED WITH ICE MAKER |
| CU-3 | ICE MAKER - REMOTE CONDENSER | -- | 0 | 1 | R-404A | 11 lbs 7.4 oz | 100 | | | 120/1/60 | KES | GC | - | - | FURNISHED WITH ICE MAKER |

## KITCHEN HOOD SCHEDULE

| TAG | DESCRIPTION | MAX COOKING TEMP. | EXHAUST PLENUM | | | | | | PERFORATED SUPPLY PLENUMS | | | | | | | | | NUMBER OF 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 | 600°F | 3200 | 0.86 | 2 | 10" | 15" | 14' - 3" | 4' - 3" | 0.2 | 15' - 3" | 22" | 1950 | 3 | 10" | 28" | 800 | 7 | 8" | 10 | 1200 | 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 | AIRFLOW | | | NET COOLING CAPACITY | | | | | HEATING CAPACITY | | | # OF COMPRESSORS | # OF CIRCUITS | REFRIG. TYPE | REFRIG. CHARGE | APPROX. WEIGHT [lbs] | ELECTRICAL | | | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL [CFM] | OA [CFM] | ESP [IN. W.C.] | TOTAL [MBH] | 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 | 10 | 12 | 4000 | 500 | 0.8 | 112 | 72 | 76 | 67 | 100 | 180 | 148 | 64 | 2 | 2 | R-410A | 25.6 | 1500 | 70 A | 57.0 A | 208/3/60 | HES | GC | CARRIER | 48LC_D012A2P5-0RC0 | FURNISHED WITH HINGED ACCESS PANELS, STANDARD ECONOMIZER W/ DUAL ENTHALPY CONTROLS, BAROMETRIC RELIEF, RET. SMOKE DETECTOR W/ REMOTE KEYED ANNUNCIATOR/RESET, MERV-8 FILTERS, CURB, HAIL GUARD, DISCONNECT, & UNIT-MOUNTED NON-POWERED CONVENIENCE RECEPTACLE |
| RTU-2 | DINING ROOM ROOFTOP UNIT | 10 | 12 | 4000 | 1000 | 0.8 | 117 | 63 | 78 | 70 | 100 | 180 | 148 | 61 | 2 | 2 | R-410A | 25.6 | 1500 | 70 A | 57.0 A | 208/3/60 | HES | GC | CARRIER | 48LC_D012A2P5-0RC0 | FURNISHED WITH HINGED ACCESS PANELS, STANDARD ECONOMIZER W/ DUAL ENTHALPY CONTROLS, BAROMETRIC RELIEF, RET. SMOKE DETECTOR W/ REMOTE KEYED ANNUNCIATOR/RESET, MERV-8 FILTERS, CURB, HAIL GUARD, DISCONNECT, & UNIT-MOUNTED NON-POWERED CONVENIENCE RECEPTACLE |

## AIR BALANCE SCHEDULE

| Tag | Supply Flow [CFM] | Return Flow [CFM] | Exhaust Flow [CFM] | Subtotal [CFM] |
|---|---|---|---|---|
| EF-1 | 0 | 0 | 3200 | -3200 |
| EF-2 | 0 | 0 | 150 | -150 |
| MAU-1 | 1950 | 0 | 0 | 1950 |
| RTU-1 | 4000 | 3500 | 0 | 500 |
| RTU-2 | 4000 | 3000 | 0 | 1000 |
| Net Pressurization [CFM] | | | | 100 |

## 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 BASED ON THE SCHEDULE IN THE ENERGY MANAGEMENT SYSTEM.


Consultant:
NATIONAL ENGINEERING
4635 Trueman Blvd. Suite 250
Hilliard, Ohio 43026
Phone: (614) 751-9610
Fax: (614) 552-5240
Contact: DENNIS ALT
(614) 595-0599
DALT@nationalengineering.com



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CHIPOTLE MEXICAN GRILL, INC.
PO BOX 182566
COLUMBUS, OH 43218-2566
TELEPHONE: (614) 318-2400
INTERNET: WWW.CHIPOTLE.COM


STORE NO.: 4437
WEST HILLSBORO BOULEVARD
3311 W HILLSBORO BLVD.
DEEFIELD BEACH, FL 33442

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