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Contents:
HVAC SCHEDULES

M600

CONTROL FUNCTIONS

- 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.
- 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.
- THE THERMOSTATS SHALL DETERMINE OCCUPIED/UNOCCUPIED STATUS BASED ON THE SCHEDULE IN THE ENERGY MANAGEMENT SYSTEM.

AIR BALANCE SCHEDULE

| TAG | SUPPLY FLOW | RETURN FLOW | EXHAUST FLOW | SUBTOTAL |
|--------------------|-------------|-------------|--------------|------------|
| EF-1 | 0 CFM | 0 CFM | 3,200 CFM | -3,200 CFM |
| EF-2 | 0 CFM | 0 CFM | 150 CFM | -150 CFM |
| MAU-1 | 1,950 CFM | 0 CFM | 0 CFM | 1,950 CFM |
| RTU-1 | 4,000 CFM | 3,500 CFM | 0 CFM | 500 CFM |
| RTU-2 | 5,000 CFM | 4,000 CFM | 0 CFM | 1,000 CFM |
| NET PRESSURIZATION | | | | 100 CFM |

AIR TERMINAL SCHEDULE

| TAG | DESCRIPTION | FACE SIZE | MATERIAL | FINISH | MOUNTING | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | NOTES |
|-----|-----------------------------------|---------------|-----------------|-----------------|----------------|--------------|--------------|-------------------------|--------------|---|
| | | | | | | | | MANUFACTURER | MODEL | |
| BS1 | BATHROOM AIR PURIFICATION UNIT | | STAINLESS STEEL | STAINLESS STEEL | SURFACE MOUNT | 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 WITH INTEGRAL OBD |
| CD2 | PERFORATED CEILING DIFFUSER | 24" X 12" | ALUMINUM | WHITE | LAY-IN CEILING | GC | GC | NAILOR | 4320A TYPE L | PROVIDE WITH INTEGRAL OBD, REMOVE 4-WAY DEFLECTORS |
| ER1 | PERFORATED CEILING EXHAUST | 12" X 12" | ALUMINUM | WHITE | SURFACE MOUNT | 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 | |
| RG3 | PERFORATED CEILING RETURN | 48" X 24" | ALUMINUM | WHITE | SURFACE MOUNT | GC | GC | NAILOR | 4330R TYPE S | |
| SR1 | ADJUSTABLE TURBO NOZZLE | SEE NECK SIZE | ALUMINUM | WHITE | WALL | GC | GC | AIR CONCEPTS | ANR-14 | PROVIDE WITH CONCEALED MOUNTING AND FACE-ACCESSIBLE OBD |
| SR2 | DOUBLE DEFLECTION SUPPLY REGISTER | SEE NECK SIZE | ALUMINUM | WHITE | WALL | GC | GC | NAILOR | 51DH | PROVIDE WITH INTEGRAL OBD |

FAN SCHEDULE

| TAG | DESCRIPTION | AIRFLOW | E.S.P. | WEIGHT | ELECTRICAL | | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS |
|------|--------------------------------|-----------|------------|--------|-------------|----------|--------------|--------------|------------------|----------|---|
| | | | | | MOTOR POWER | V/P/H | | | MANUFACTURER | MODEL | |
| EF-1 | UPBLAST UL762 EXHAUST FAN | 3,200 CFM | 1.20 in-wg | 400 lb | 3 hp | 208/3/60 | HS | GC | CAPTIVE-AIRE | DU240HFA | DIRECT DRIVE UL762 UPBLAST EXHAUST FAN FURNISHED WITH WEATHERPROOF DISCONNECT AND VENTED ROOF CURB |
| EF-2 | DOWNBLAST RESTROOM EXHAUST FAN | 150 CFM | 0.60 in-wg | 100 lb | 0.18 hp | 120/1/60 | HS | GC | CAPTIVE-AIRE | DR12HFA | DIRECT DRIVE DOWNBLAST RESTROOM EXHAUST FAN FURNISHED WITH INTEGRAL DISCONNECT, SPEED CONTROL, BACKDRAFT DAMPER, AND CURB |

VIROGUARD SCHEDULE

| TAG | COUNT | DESCRIPTION | DUCT CONNECTION SIZE | FAN | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN |
|------|-------|---|----------------------|-----------------------|--------------|--------------|------------------|
| VG-1 | 1 | VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM | 18" X 18" | CAPTIVE-AIRE DU240HFA | TDC | GC | ENVIROMATIC |

CONDENSING UNIT SCHEDULE

| TAG | DESCRIPTION | NOMINAL CAPACITY | NUMBER OF | | REFRIGERANT | | WEIGHT | ELECTRICAL | | | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS |
|------|---|------------------|-------------|----------|-------------|----------|--------|------------|-----|----------|--------------|--------------|------------------|---------------|-------------------------------|
| | | | COMPRESSORS | CIRCUITS | TYPE | CHARGE | | MOCP | FLA | V/P/H | | | MANUFACTURER | MODEL | |
| CU-1 | CONDENSING UNIT - WALK-IN COOLER | | 1 | 1 | R-404A | 10.4 lb | 250 lb | 15 A | 9 A | 208/3/60 | WCS | GC | HARFORD | KPCL99MZOP-3E | FURNISHED WITH WALK-IN COOLER |
| CU-2 | REMOTE CONDENSER - LOW CAPACITY ICE MAKER | | 0 | 1 | R-404A | 11.46 lb | 100 lb | | | 120/1/60 | KES | GC | HOSHIZAKI | URC-9F | FURNISHED WITH ICE MAKER |
| CU-3 | REMOTE CONDENSER - SODA MACHINE ICE MAKER | | 0 | 1 | R-404A | 3.86 lb | 100 lb | | | 120/1/60 | KES | GC | HOSHIZAKI | URC-5F | FURNISHED WITH ICE MAKER |

MAKEUP AIR UNIT SCHEDULE

| TAG | DESCRIPTION | AIRFLOW | E.S.P. | HEATING | | | WEIGHT | ELECTRICAL | | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS |
|-------|------------------------------|-----------|------------|---------------|---------------|-------|--------|-------------|----------|--------------|--------------|------------------|--------------|---|
| | | | | INPUT | OUTPUT | EAT | | MOTOR POWER | V/P/H | | | MANUFACTURER | MODEL | |
| MAU-1 | DIRECT-FIRED MAKEUP AIR UNIT | 1,950 CFM | 0.80 in-wg | 225,000 Btu/h | 220,000 Btu/h | 21 °F | 650 lb | 2 hp | 208/3/60 | HS | GC | CAPTIVE-AIRE | A1-D.250-G10 | 12.5:1 MAX TURNDOWN. FURNISHED WITH DISCONNECT, ROOF CURB, SCREEN INTAKE, AND WASHABLE ALUMINUM FILTERS |

KITCHEN HOOD SCHEDULE

| TAG | DESCRIPTION | MAX COOKING TEMP. | AIRFLOW | E.S.P. | EXHAUST PLENUM | | | | | PERFORATED SUPPLY PLENUMS | | | | | NO. OF LIGHT FIXTURES | WEIGHT | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS |
|------|--|-------------------|-----------|------------|----------------|-------|---------|----------|---------|---------------------------|----------|-----------|-----|-------|-----------------------|---------|--------------|--------------|------------------|-------------------|--|
| | | | | | DUCT COLLARS | | | | | MAU PLENUM | | AC PLENUM | | | | | | | MANUFACTURER | MODEL | |
| | | | | | NO. | WIDTH | LENGTH | LENGTH | WIDTH | LENGTH | WIDTH | AIRFLOW | NO. | WIDTH | | | | | | | |
| HD-1 | TYPE I CANOPY HOOD WITH PERFORATED MAU AND AC SUPPLY PLENUMS | 600 °F | 3,200 CFM | 0.86 in-wg | 2 | 10" | 1' - 3" | 14' - 3" | 4' - 3" | 15' - 3" | 1' - 10" | 1,950 CFM | 4 | 10" | 2' - 0" | 800 CFM | 7 | 8" | CAPTIVE-AIRE | 5424 ND-2-ACPSF-F | MAT'L: 18 GA. TYPE 430 SS. FURNISHED WITH VAPORPROOF INCANDESCENT LIGHT FIXTURES, 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 | EER | AIRFLOW | | | NET COOLING CAPACITY | | | | HEATING CAPACITY | | NUMBER OF | | REFRIGERANT | | WEIGHT | ELECTRICAL | | | FURNISHED BY | INSTALLED BY | BASIS FOR DESIGN | | REMARKS | |
|-------|--------------------------|------------------|------|-----------|-----------|------------|----------------------|----------|-----------|------------|------------------|-------------|-----------|------|-------------|--------|---------|------------|-------|--------------|--------------|--------------|------------------|---------|----------|---|
| | | | | TOTAL | OA | E.S.P. | TOTAL | SENSIBLE | COND. EAT | INPUT (KW) | EAT | COMPRESSORS | CIRCUITS | TYPE | CHARGE | MOCP | | FLA | V/P/H | MANUFACTURER | | | MODEL | | | |
| | | | | DB | WB | | | | | | | | | | | | | | | | | | | | | |
| RTU-1 | KITCHEN ROOFTOP UNIT | 10 ton | 12 | 4,000 CFM | 500 CFM | 0.80 in-wg | 110 Btu/h | 76 Btu/h | 76 °F | 66 °F | 100 °F | 29 | 61 °F | 2 | 2 | R-410A | 25.6 lb | 1,500 lb | 110 A | 105 A | 208/3/60 | HES | GC | CARRIER | 48HC_011 | 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 | 12.5 ton | 12.2 | 5,000 CFM | 1,000 CFM | 0.80 in-wg | 148 Btu/h | 94 Btu/h | 78 °F | 69 °F | 100 °F | 46 | 57 °F | 2 | 2 | R-410A | 31.8 lb | 1,900 lb | 150 A | 131 A | 208/3/60 | HES | GC | CARRIER | 48HC_014 | 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 |