

| AIR DEVICE SCHEDULE | | | | | | | |
|---------------------|---------------------------------|------------------|------------|---------------|-----------|-----------|---------|
| TAG | TYPE | MAKE / MODEL | AIR STREAM | MOUNTING TYPE | NECK SIZE | SIZE | REMARKS |
| A | SQUARE CONE DIFFUSER | TITUS / PAS | SUPPLY | LAY IN | SEE PLAN | 24"X24" | 1-4 |
| B | SQUARE CONE DIFFUSER | TITUS / OMNI | SUPPLY | SURFACE | SEE PLAN | 12"X12" | 1-4 |
| C | LOUVERED RETURN GRILLE | TITUS / 350RL | RETURN | LAY IN | SEE PLAN | 24"X24" | 1-4 |
| D | LINEAR DIFFUSER | TITUS / FL-20-22 | SUPPLY | SURFACE | SEE PLAN | 48"X4.75" | 1-5 |
| E | DOUBLE DEFLECTION SUPPLY GRILLE | TITUS / S300FS | SUPPLY | DUCT MOUNTED | SEE PLAN | 18"X6" | 3,4,6 |
| F | RETURN GRILLE | TITUS / 350FS | RETURN | SIDE WALL | SEE PLAN | 10"X10" | 1-4 |
| G | LOUVERED SUPPLY REGISTER | TITUS / 300FL | SUPPLY | SIDE WALL | SEE PLAN | 12"X12" | 1-4 |

REMARKS:
1. PROVIDE WITH INTEGRAL OPPOSED BLADE BALANCING DAMPER FOR DIFFUSERS MOUNTED IN HARD/INACCESSIBLE CEILINGS.
2. PROVIDE WITH SURFACE MOUNTING FRAME WHERE APPLICABLE.
3. COORDINATE FINISH AND LOCATION WITH ARCHITECT.
4. SEE PLAN FOR INLET SIZE.
5. 1 SLOT, 2.5" SLOT WIDTH, 10" DIA. INLET.
6. PROVIDE WITH DOUBLE DEFLECTION CORE AND AN AIR SCOOP DAMPER AT NECK.

| AIR BALANCE SCHEDULE | | | | | | | | |
|---|-----------------|-----------------|-------|---------|--------------------------|-----------------------|-------------------|-------|
| | RTU-1 (DINNING) | RTU-2 (KITCHEN) | MUA-1 | KEF-1 | CEF-1 (WOMEN'S RESTROOM) | CEF-2 (MENS RESTROOM) | EF-1 (TRASH ROOM) | TOTAL |
| OUTSIDE AIR FLOW (CFM) | 714 | 800 | 1,965 | - | - | - | - | 3,479 |
| RETURN AIR FLOW (CFM) | 2,686 | 3,200 | - | - | - | - | - | 5,886 |
| SUPPLY AIR FLOW (CFM) | 3,400 | 4,000 | 1,965 | - | - | - | - | 9,365 |
| EXHAUST AIR FLOW (CFM) | - | - | - | 2,381 | 100 | 100 | 200 | 2,781 |
| BUILDING PRESSURE (CFM) | 714 | 800 | 1,965 | (2,381) | (100) | (100) | (200) | 698 |
| RESULTING BUILDING PRESSURIZATION (CFM) | | | | | | | | 698 |

| AIR CURTAIN (HEATED) SCHEDULE | | | | | | | | | | | | | |
|-------------------------------|--------------|--------|--------------|------------|--------|--------|----------------|--------------------|------------|------|------|---------|----------------------|
| ITEM TAG | LOCATION | MFR. | MODEL | DIMENSIONS | | | PERFORMANCE | | ELECTRICAL | | | REMARKS | |
| | | | | LENGTH | WIDTH | HEIGHT | AIR FLOW (CFM) | HEATING INPUT (KW) | V/PH/Hz | MCA | MOCP | | APPROX. WEIGHT (LBS) |
| AC-1 | BACK KITCHEN | BERNER | AE08-E-1036E | 38" | 57.95" | 10.75" | 120 | 5.6 | 208/1/60 | 29.4 | 40 | 15 | ALL |

REMARKS:
1. PROVIDE WITH FACTORY INSTALLED AND WIRED DISCONNECT.
2. CONFIRM COLOR WITH ARCH/OOWNER PRIOR TO ORDERING.
3. PROVIDE DOOR LIMIT SWITCHES, CONTROLLERS, FACTORY MOUNTED TIME DELAY, AND 2-SPEED SWITCH.
4. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
5. TEMPERATURE SENSORS FURNISHED BY CONTROLS CONTRACTOR AND CONTROLLED BY EMS SYSTEM.
6. UNIT SHOULD BE ENERGIZED WHEN DOOR OPENS AND DE-ENERGIZE WHEN DOOR CLOSES.
7. PROVIDE UNIT WITH INDOOR THERMOSTAT (FIELD SUPPLIED), COORDINATE CONTROL SET-UP WITH AIR CURTAIN USER MANUAL.
8. UNIT SHOULD BE WALL MOUNTED ACCORDING TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.

| ELECTRIC UNIT HEATER SCHEDULE | | | | | | | | | | |
|-------------------------------|-----------------|---------|-------------------|----------------|--------------------|----------|-------|----------------------|---------|--|
| ITEM TAG | LOCATION | MFR. | MODEL | AIR FLOW (CFM) | ELECTRICAL | | | APPROX. WEIGHT (LBS) | REMARKS | |
| | | | | | HEATING INPUT (KW) | V/PH/Hz | MCA | | | |
| UH-1 | UNFINISHED AREA | INDEECO | 240-U1050C / UHIR | 350 | 5 | 208/1/60 | 24.34 | 25 | ALL | |

REMARKS:
1. PROVIDE WITH FACTORY INSTALLED AND WIRED DISCONNECT.
2. CONFIRM COLOR WITH ARCH/OOWNER PRIOR TO ORDERING.
3. PROVIDE MANUFACTURER RECOMMENDED WALL MOUNTED BRACKETS.
4. PROVIDE WITH INTEGRAL THERMOSTAT.
5. INSTALL UNIT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

| MAKE-UP AIR UNIT SCHEDULE (OWNER FURNISHED) | | | | | | | | | | | | | | | | | | |
|---|--------------|------------------|---------------|--------|----------------|---------------------------|-----------------|-------------|----------------|-------------|--------------|------------|--------------|---------|----------|--------|---------|---------|
| ITEM TAG | MANUFACTURER | MODEL | CONFIGURATION | DRIVE | AIR FLOW (CFM) | EXTERNAL STATIC (IN W.C.) | FAN SPEED (RPM) | DX COOLING | | GAS HEATING | | ELECTRICAL | | | | | REMARKS | |
| | | | | | | | | TOTAL (MBH) | SENSIBLE (MBH) | INPUT (MBH) | OUTPUT (MBH) | V/PH/Hz | FAN MOTOR HP | FAN MCA | FAN MOCP | CU MCA | | CU MOCP |
| MAU-1 | CAPTIVEAIRE | A1-D.250-15D-MPU | ROOF MOUNTED | DIRECT | 1965 | 0.3 | 2134 | 50.6 | 35.1 | 106 | 98 | 208/3/60 | 2 | 7.7 | 15 | 11.2 | 20 | ALL |

REMARKS:
1. PROVIDE WITH 5-TON 2-CIRCUIT COOLING OPTION.
2. PROVIDE WITH FACTORY MOUNTED AND WIRED MOTORIZED INTAKE DAMPER.
3. PROVIDE WITH DISCONNECT SWITCH.
4. PROVIDE WITH WEATHER HOOD AND BIRD SCREEN.
5. PROVIDE WITH 20" ROOF CURB.
6. REFER TO CAPTIVEAIRE DRAWINGS FOR ADDITIONAL INFORMATION.

| VENTILATION SCHEDULE | | | | | | | | | | | | | | | | |
|----------------------|------------------|--------------------------|-----------------|-----------------|------------------------------------|-----------------------|--------------------------------|-----|--------------------------|----------|----------------|--------|-------------|------------|-------------|---|
| ROOM NUMBER | ROOM NAME | OCCUPANCY CLASSIFICATION | ZONE FLOOR AREA | ZONE POPULATION | 2018 INTERNATIONAL MECHANICAL CODE | | | | | | | ACTUAL | | EQUIPMENT | | |
| | | | | | PEOPLE OUTDOOR AIR RATE | AREA OUTDOOR AIR RATE | BREATHING ZONE OUTDOOR AIRFLOW | Ez | REQUIRED OUTDOOR AIRFLOW | E.A. CFM | MAX SUPPLY CFM | OA CFM | EXHAUST CFM | SUPPLY FAN | EXHAUST FAN | |
| 100 | VESTIBULE | N.R. | 65 | 0 | 0.0 | 0.00 | 0 | 0.0 | 0 | 0 | 0 | 100 | 21 | - | RTU-1 | - |
| 101 | DINING | DINNING | 810 | 50 | 7.5 | 0.18 | 521 | 0.8 | 651 | - | 3100 | 651 | - | - | RTU-1 | - |
| 102 | QUEING | CORRIDOR | 95 | 0 | 0.0 | 0.06 | 6 | 0.8 | 7 | - | 50 | 11 | - | - | RTU-1 | - |
| 104 | FRONT KITCHEN | KITCHEN (COOKING) | 436 | 9 | 7.5 | 0.12 | 118 | 0.8 | 147 | 305 | 1700 | 340 | 2381 | RTU-2 | KEF-1 | |
| 106 | BACK KITCHEN | KITCHEN (COOKING) | 510 | 10 | 7.5 | 0.12 | 138 | 0.8 | 172 | 357 | 1800 | 360 | 2275 | RTU-2 | - | |
| 107 | MANAGER'S OFFICE | OFFICE SPACES | 85 | 1 | 5.0 | 0.06 | 10 | 0.8 | 13 | - | 100 | 20 | - | RTU-2 | - | |
| 108 | TRASH ROOM | TRASH ROOM | 145 | 0 | 0.0 | 0.00 | 0 | 0.0 | 0 | 145 | - | - | 200.0 | - | EF-1 | - |
| 109 | CORRIDOR | CORRIDOR | 75 | 0 | 0.0 | 0.06 | 5 | 0.8 | 6 | - | 50 | 11 | - | RTU-1 | - | |
| 110 | WOMEN'S RESTROOM | PUBLIC BATHROOM | 65 | 1 | 0.0 | 0.00 | 0 | 0.8 | 0 | 50 | 50 | 11 | 100 | RTU-1 | CEF-1 | |
| 111 | MEN'S RESTROOM | PUBLIC BATHROOM | 65 | 1 | 0.0 | 0.00 | 0 | 0.8 | 0 | 50 | 50 | 11 | 100 | RTU-1 | CEF-2 | |
| 112 | UNFINISHED AREA | N.R. | 390 | 0 | 0.0 | 0.00 | 0 | 0.0 | 0 | 0 | 400 | 800 | - | RTU-2 | - | |
| TOTAL | | | 2676 | 72 | - | - | 797 | - | 996 | 762 | 7400 | 1514 | 5056 | - | - | - |

| CEILING EXHAUST FAN SCHEDULE | | | | | | | | | | | | | |
|------------------------------|-----------------|--------|----------------|-----------------------|------------|-----------|------------|------------------|----------------------|-----------|--------|---------|----------------------|
| ITEM TAG | TYPE | DRIVE | PERFORMANCE | | ELECTRICAL | | | SERVICE LOCATION | MANUFACTURER | OPERATION | MODEL | REMARKS | |
| | | | AIR FLOW (CFM) | EXT. STATIC (IN W.C.) | V/PH/Hz | MCA (AMP) | MOCP (AMP) | | | | | | APPROX. WEIGHT (LBS) |
| CEF-1 | CEILING MOUNTED | DIRECT | 100 | 0.3 | 120/1/60 | 1 | 15 | 15 | WOMEN'S RESTROOM 110 | COOK | NOTE 1 | GC-148 | ALL |
| CEF-2 | CEILING MOUNTED | DIRECT | 100 | 0.3 | 120/1/60 | 1 | 15 | 15 | MEN'S RESTROOM 111 | COOK | NOTE 1 | GC-148 | ALL |

REMARKS:
1. FAN SHALL BE CONTROLLED THROUGH THE LIGHT SWITCH AND OCCUPANCY SENSOR. ELECTRICAL CONTRACTOR TO WIRE.
2. PROVIDE BACKDRAFT DAMPER ON EXHAUST FAN.
3. PROVIDE DISCONNECT SWITCH AND VIBRATION ISOLATION.
4. PROVIDE MANUFACTURER'S OPTIONAL SPEED CONTROLLER. SPEED CONTROLLER SHALL BE MOUNTED WITHIN FAN HOUSING.

| PACKAGED GAS HEATING / ELECTRIC COOLING ROOFTOP UNIT SCHEDULE (OWNER FURNISHED) | | | | | | | | | | | | | | | | | | | |
|---|--------------|-----------|-------------|------|----------|----------------|--------|----------------|------------------|------------------|-------------|-------------------|---------------|----------|-----------------|------|---------|-------------------|---------|
| TAG | MANUFACTURER | MODEL # | AREA SERVED | TONS | MIN. EER | BLOWER SECTION | | | COOLING CAPACITY | | | HEATING CAPACITY | | | ELECTRICAL DATA | | FILTERS | UNIT WEIGHT (LBS) | REMARKS |
| | | | | | | CFM | OA CFM | ESP (IN. W.C.) | REFRIG. TYPE | MIN. GROSS (MBH) | INPUT (MBH) | MIN. OUTPUT (MBH) | MIN. AFUE (%) | VOLTAGE | MCA | MOCP | | | |
| RTU-1 | LENNOX | KGC102S4M | DINNING | 8.5 | 11 | 3,400 | 714 | 80 | R-410A | 104.7 | 240/156 | 194/125 | 81 | 208/3/60 | 46 | 60 | MERV-4 | 1,128 | ALL |
| RTU-2 | LENNOX | KGC120S4M | KITCHEN | 10.0 | 11 | 4,000 | 800 | 80 | R-410A | 125 | 240/156 | 194/125 | 81 | 208/3/60 | 51 | 60 | MERV-4 | 1,206 | ALL |

REMARKS:
1. PROVIDE FACTORY MOUNTED AND WIRED DISCONNECT SWITCH, UN-POWERED CONVENIENCE OUTLET, AND THRU THE BASE ELECTRICAL/GAS CONNECTIONS.
2. PROVIDE FOR UPSTREAM COMPRESSOR WITH ELECTRICAL MECHANICAL CONTROLS. FURNISH WITH CONTROL SENSORS TO BE FIELD INSTALLED.
3. MECHANICAL CONTRACTOR PROVIDE AND FIELD INSTALL POWER EXHAUST ACCESSORY (ESW44). COORDINATE ALL ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
4. FURNISH WITH RAIN CURB TO BE FACTORY INSTALLED.
5. PROVIDE 5 MINUTE TIME DELAY ON COMPRESSOR RESTART.
6. FURNISH WITH MANUFACTURER RECOMMENDED TEMPERATURE AND HUMIDITY SENSORS PER PLANS.
7. PROVIDE WITH TWO STAGES OF HEATING.
8. PROVIDE WITH MULTI-STAGE AIR VOLUME BELT DRIVE FAN.
9. PROVIDE WITH SINGLE CIRCUIT, 2-STAGE COOLING TO MEET IECC REQUIREMENTS.
10. PROVIDE STANDARD LENNOX WARRANTY: 1 YEAR PARTS, 5 YEAR COMPRESSOR PARTS, AND 10 YEAR HEAT EXCHANGER.
11. PROVIDE LENNOX'S FACTORY INSTALLED HUMIDITY CONTROL.
12. NEW RTU TO BE INSTALLED ON EXISTING CURB. PROVIDE ADAPTIVE CURB AS NEEDED.

| EXHAUST FAN SCHEDULE | | | | | | | | | | | | | | |
|----------------------|--------------|----------|---------|------------|----------------|--------------------|-----------------|------------|--------------|-----------------|-------------|----------------------|------------|-------|
| MARK | MANUFACTURER | MODEL | TYPE | DRIVE TYPE | PERFORMANCE | | | ELECTRICAL | | | ACCESSORIES | APPROX. WEIGHT (LBS) | SERVES | NOTES |
| | | | | | AIR FLOW (CFM) | EX. STATIC (IN.WC) | FAN SPEED (RPM) | VOLTS/Ø/Hz | FAN MOTOR HP | FAN MOTOR WATTS | | | | |
| EF-1 | COOK | 90R17DEC | UPBLAST | DIRECT | 200 | 0.25 | 1305 | 120/1/60 | 1/4 | - | BD, BS, DS | 28 | TRASH ROOM | ALL |

ACCESSORIES:
BS - BIRDSCREEN, BD - BACKDRAFT DAMPER, DS - DISCONNECT SWITCH, SC - SPEED CONTROLLER.

NOTES:
1. FAN TO RUN CONTINUOUSLY.
2. PROVIDE NEMA 3R DISCONNECT SWITCH.
3. EXISTING ROOF CURB TO REMAIN AND BE RE-USED. PROVIDE ADAPTIVE CURB IF NEEDED.

| KITCHEN EXHAUST FAN SCHEDULE (OWNER FURNISHED) | | | | | | | | | | |
|--|--------------|--------|---------------------|----------------|---------------------------|------------|--------------|--------------|--------------|---------|
| ITEM TAG | MANUFACTURER | MODEL | TYPE | AIR FLOW (CFM) | EXTERNAL STATIC (IN W.C.) | ELECTRICAL | | SERVICE | WEIGHT (LBS) | REMARKS |
| | | | | | | V/PH/Hz | FAN MOTOR HP | | | |
| KEF-1 | CAPTIVEAIRE | DU8HF4 | CENTRIFUGAL UPBLAST | 2381 | 1 | 115/1/60 | 1 | KITCHEN HOOD | 94 | 1 |

REMARKS:
1. INTERLOCK MAU-1 AND RTU-2 TO OPERATE IN OCCUPIED MODE WHILE KITCHEN EXHAUST FANS ARE ENERGIZED.

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MECHANICAL SCHEDULES

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