# AIR HANDLING UNIT FAN SCHEDULE

| TAG | | MANUFACTURER | MODEL | TOTAL CFM | OUTDOOR VENTILATION (CFM) | SUPPLY FAN | | | | | | | RETURN / EXHAUST FAN | | | | | | | FILTER | | | | | | | OVERALL UNIT | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | QUANTITY | SUPPLY CFM | STATIC PRESSURE DROP (IN WG) | | BHP (TOTAL) | MOTOR (HP/EA) | VFD ELECTRICAL DATA | | QUANTITY | RETURN/ EXHAUST CFM | STATIC PRESSURE DROP (IN WG) | | BHP (TOTAL) | MOTOR (HP/EA) | VFD ELECTRICAL DATA | | TYPE | DEPTH (IN) | MID-LIFE AIR PRESSURE DROP (IN WG) | EFFICIENCY % | PREFILTER TYPE | PREFILTER DEPTH | MID-LIFE AIR PRESSURE DROP (IN WG) | EFFICIENCY % | WEIGHT (LBS) | DIMENSIONS (IN) | | | |
| | | | | | | | | TOTAL | EXTERNAL | | | VOLTAGE | PHASE | | | TOTAL | EXTERNAL | | | VOLTAGE | PHASE | | | | | | | | | | LENGTH | WIDTH | HEIGHT | |
| AHU | 1 | TRANE | CSAA030 | 13,420 | 6800 | 4 | 13,420 | 6.47 | 2.50 | 21.98 | 7.5 | 460 | 3 | 4 | 13,420 | 2.66 | 1.00 | 9.083 | 3 | 460 | 3 | CARTRIDGE MERV-13 | 4 | 0.646 | 95 | PLEATED MERV-8 | 2 | 0.626 | 30 | 10823 | 382.4 | 93.5 | 126.8 | 1,2,3,4,5,7,8,9,10,11,12 |
| AHU | 2 | TRANE | CSAA035 | 15,210 | 7210 | 4 | 15,210 | 6.3 | 2.50 | 24.07 | 10 | 460 | 3 | 4 | 15,210 | 2.62 | 1.00 | 10.5 | 3 | 460 | 3 | CARTRIDGE MERV-13 | 4 | 0.632 | 95 | PLEATED MERV-8 | 2 | 0.614 | 30 | 12439 | 369 | 100 | 138.3 | 1,2,3,4,6,7,9,10,11,12 |

NOTES:
1. UNIT IS AN INDOOR RATED, CUSTOM UNIT.
2. FAN SECTIONS TO BE FAN ARRAYS WITH A MINIMUM OF FOUR FANS.
3. PROVIDE ENTHALPY WHEEL SECTION.
4. PROVIDE VFDS AND DISCONNECTS PER DIVISION 26 SPECIFICATIONS.
5. REFER TO DETAILS 1/M5.2 AND 3/M3.2.
6. REFER TO DETAILS 1/M5.2 AND 4/M3.2
7. REFER TO DETAILS 1/M7.1 FOR CONTROLS.
8. ALTERNATE BID: INSTALL SEVEN (7) BIPOLAR IONIZATION UNITS (iAIRE MODEL ION-0AA00, RATED 2000 CFM/EA). LOCATE IN THE ACCESS SECTION UPSTREAM OF SUPPLY FAN INLET. PROVIDE SINGLE TRANSFORMER TO SERVE UNITS.
9. REFER TO DETAIL 2/M5.2 FOR HOT WATER COIL AND 3/M5.3 FOR CHILLED WATER COIL.
10. PROVIDE UV LIGHTS IN UNITS.
11. UNITS SHALL MEET ALL REQUIREMENTS OF UL-864.
12. MANUFACTURER AND CONTRACTOR TO COORDINATE WITH CONSTRUCTION MANAGER MEANS AND METHODS TO INSTALL AHUs IN MECHANICAL PENTHOUSE (I.E. MODULAR PIECES VERSUS FURTHER BREAKDOWN OF COMPONENTS). PIECES SHALL NOT EXCEED 40" IN WIDTH.

# AIR HANDLING UNIT COIL SCHEDULE

| TAG | | MANUFACTURER | AIR FLOW (CFM) | COOLING COIL | | | | | | | | | | | | HEATING COIL | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | CAPACITY (MBH) | | ENTERING AIR TEMPERATURE (°F) | | LEAVING AIR TEMPERATURE (°F) | | MAX AIR PRESSURE DROP (IN WG) | ROW QUANTITY | FINS PER FOOT | WATER TEMPERATURE (°F) | | WATER FLOW (GPM) | MAX WATER PRESSURE DROP (FT HD) | CAPACITY (MBH) | CFM | AIR TEMPERATURE DB (°F) | | MAX AIR PRESSURE DROP (IN WG) | ROW QUANTITY | FINS PER FEET | WATER TEMPERATURE (°F) | | WATER FLOW (GPM) | MAX WATER PRESSURE DROP (FT HD) |
| | | | | TOTAL | SENSIBLE | DB | WB | DB | WB | | | | ENTERING | LEAVING | | | | | ENTERING | LEAVING | | | | ENTERING | LEAVING | | |
| AHU | 1 | TRANE | 13420 | 510 | 388 | 77.90 | 62.90 | 49.80 | 48.50 | 0.98 | 8 | 145 | 44.00 | 58.00 | 72.75 | 15.97 | 50 | 9800 | 50.72 | 55.00 | 0.04 | 1 | 80 | 140 | 100 | 2.35 | 0.12 |
| AHU | 2 | TRANE | 15210 | 490 | 380 | 77.60 | 62.80 | 50.30 | 49.00 | 0.9 | 8 | 140 | 44.00 | 58.00 | 69.91 | 13.85 | 55 | 10400 | 50.10 | 55.00 | 0.03 | 1 | 80 | 140 | 100 | 2.7 | 0.10 |

# AIR HANDLING UNIT ENERGY WHEEL SCHEDULE

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| TAG | | MANUFACTURER | VENTILATION / EXHAUST AIRFLOW (CFM) | PRESSURE DROP (IN WG) | | SUMMER DESIGN CONDITIONS | | | | | | | | | | | WINTER DESIGN CONDITIONS | | | | | | | | | | | RECOVERED LOAD (MBH) | | | | FILTER | | | | ELECTRICAL DATA | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | OUTSIDE AIR | | RETURN AIR | | SUPPLY AIR | | EXHAUST AIR | | EFFECTIVENESS (%) | | | OUTSIDE AIR | | RETURN AIR | | SUPPLY AIR | | EXHAUST AIR | | EFFECTIVENESS (%) | | | SUMMER | | | WINTER SENSIBLE | TYPE | DEPTH (IN) | MID-LIFE PRESSURE DROP (IN WG) | EFFICIENCY (%) | | | |
| | | | | SUPPLY AIR | EXHAUST AIR | DRY BULB | WET BULB | DRY BULB | WET BULB | DRY BULB | WET BULB | DRY BULB | WET BULB | LATENT | SENSIBLE | TOTAL | DRY BULB | WET BULB | DRY BULB | WET BULB | DRY BULB | WET BULB | DRY BULB | WET BULB | LATENT | SENSIBLE | TOTAL | SENSIBLE | LATENT | TOTAL | | | | | | VOLTAGE | PHASE | |
| AHU | 1 | TRANE | 6,800 / 6,800 | 0.59 | 0.59 | 94.00 °F | 77.00 °F | 75.00 °F | 64.00 °F | 79.71 °F | 67.92 °F | 88.82 °F | 73.62 °F | 68.6 | 73.2 | 70.6 | 0.00 °F | -2.00 °F | 70.00 °F | 53.00 °F | 50.72 °F | 41.17 °F | 18.57 °F | 17.33 °F | 68.7 | 73.2 | 71.9 | 107.91 | 133.07 | 240.97 | 382.06 | MERV-8 | 2 | 0.550 | 30 | 460 | 3 | 1.2.3 |
| AHU | 2 | TRANE | 7,210 / 7,210 | 0.6 | 0.6 | 94.00 °F | 77.00 °F | 75.00 °F | 64.00 °F | 79.74 °F | 67.94 °F | 88.80 °F | 73.61 °F | 68.5 | 73.1 | 70.5 | 0.00 °F | -2.00 °F | 70.00 °F | 53.00 °F | 50.58 °F | 41.08 °F | 18.64 °F | 17.39 °F | 68.6 | 73.1 | 71.8 | 108.21 | 133.87 | 242.07 | 383.03 | MERV-8 | 2 | 0.536 | 30 | 460 | 3 | 1.2.3 |

NOTES:
1. PROVIDE STARTER AND DISCONNECT PER DIVISION 26 SPECIFICATIONS.
2. PROVIDE EXHAUST AIR BYPASS DAMPERS.
3. PROVIDE OUTSIDE AIR BYPASS DAMPERS.

# AIR HANDLING UNIT ELECTRICAL SCHEDULE

| TAG | | MANUFACTURER | CIRCUIT 1 | | CIRCUIT 2 | | CIRCUIT 3 | | CIRCUIT 4 | | CIRCUIT 5 | | CIRCUIT 6 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | V / PH / HZ | FLA / MCA / FUSE | V / PH / HZ | FLA / MCA / FUSE | V / PH / HZ | FLA / MCA / FUSE | V / PH / HZ | FLA / MCA / FUSE | V / PH / HZ | FLA / MCA / FUSE | V / PH / HZ | FLA / MCA / FUSE |
| AHU | 1 | TRANE | 460 / 3 / 60 | 37.60 / 39.95 / 45.00 | 460 / 3 / 60 | 16.80 / 17.85 / 20.00 | 460 / 3 / 60 | 1.30 / 1.63 / 15.00 | 115 / 1 / 60 | 1.54 / 1.93 / 15 | 115 / 1 / 60 | 2.61 / 3.26 / 15.00 | 115 / 1 / 60 | 8.00 / 10.00 / 15.00 |
| AHU | 2 | TRANE | 460 / 3 / 60 | 50.00 / 53.13 / 60.00 | 460 / 3 / 60 | 16.80 / 17.85 / 20.00 | 460 / 3 / 60 | 1.30 / 1.63 / 15.00 | 115 / 1 / 60 | 3.08 / 3.85 / 15 | 115 / 1 / 60 | 2.61 / 3.26 / 15.00 | 115 / 1 / 60 | 8.00 / 10.00 / 15.00 |

AHU-1,2 CIRCUITS:

CIRCUIT #1 - SUPPLY FAN MOTOR(S)
CIRCUIT #2 - EXHAUST FAN MOTOR(S)
CIRCUIT #3 - ENERGY WHEEL
CIRCUIT #4 - UV LIGHTS
CIRCUIT #5 - LIGHTS + SWITCH
CIRCUIT #6 - RECEPTACLE

# INFRARED HEATER SCHEDULE

| TAG | | MANUFACTURER | MODEL | CAPACITY (MBH) | FUEL TYPE | LENGTH | DIRECT VENTING (IN) | | MOUNTING HEIGHT (A.F.F.) | ELECTRICAL DATA | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | AIR INTAKE | EXHAUST | | VOLTAGE | PHASE | |
| IR | 1 | ADVANCED RADIANT SYSTEMS | ESH-100 | 100 | NATURAL GAS | 26' - 0" | 4 | 4 | 15'-0" | 120 | 1 | 1,2,3,4,5,6 |
| IR | 2 | ADVANCED RADIANT SYSTEMS | ESH-100 | 100 | NATURAL GAS | 26' - 0" | 4 | 4 | 15'-0" | 120 | 1 | 1,2,3,4,5,6 |

NOTES:
1. PROVIDED SINGLE THERMOSTAT TO CONTROL ALL UNITS IN EACH SPACE.
2. PROVIDE CORD AND PLUG ELECTRICAL CONNECTION.
3. REFER TO DETAIL 4/M5.1.
4. INTERLOCK HEATER WITH GARAGE DOOR TO SHUT-OFF WHEN DOOR ENGAGED TO OPEN. HEATER TO RESTART WHEN DOOR ENGAGED CLOSED.
5. INSTALL VENT AND COMBUSTION AIR PER MFGR RECOMMENDATIONS. COLOR SHALL MATCH ROOF COLOR.
6. PROVIDE CONDENSATE NEUTRALIZING KIT.

# AIR COOLED CHILLER SCHEDULE

| TAG | | MANF | MODEL | REMOTE EVAPORATOR | TONS | EER | IPLV | FLOW RATE (GPM) | | WATER PD (FT H2O) | | | WATER TEMPERATURE | | REFRIGERANT TYPE | NUMBER OF REFRIGERANT CIRCUITS | NUMBER OF COMPRESSORS | ELECTRICAL DATA | | | | | | WEIGHT (LBS) | DIMENSIONS (IN) | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MINIMUM | DESIGN | TOTAL PD | EVAPORATOR PD | MIN PD | ENTERING | LEAVING | | | | VOLT | PHASE | HZ | STARTER TYPE | MCA | MOCP | | LENGTH | WIDTH | HEIGHT | |
| CH | 1 | TRANE | CGAM | REV-1 | 100 | 10.47 | 15.40 | 115.5 | 171.1 | 8.81 | 6.74 | 4.17 | 57.98 °F | 44 °F | R-410A | 2 | 4 | 460 | 3 | 60 | ACROSS THE LINE | 205 | 225 | 6759 | 166 | 89 | 93 | 1,2,3,4,5 |
| CH | 2 | TRANE | CGAM | REV-2 | 100 | 10.47 | 15.40 | 115.5 | 171.1 | 8.81 | 6.74 | 4.17 | 57.98 °F | 44 °F | R-410A | 2 | 4 | 460 | 3 | 60 | ACROSS THE LINE | 205 | 225 | 6759 | 166 | 89 | 93 | 1,2,3,4,5 |

NOTES:
1. PROVIDE STARTER AND DISCONNECT PER DIVISION 26 SPECIFICATIONS.
2. PROVIDE DISCONNECT IN NEMA 3R RATED ENCLOSURE PER DIVISION 26 SPECIFICATIONS.
3. REFER TO DETAIL 2/M5.3.
4. REFER TO 1/M7.3 AND 4/M7.3 FOR CONTROLS.
5. PROVIDE PLATE AND FRAME TYPE REMOTE EVAPORATOR.

# PUMP SCHEDULE

| TAG | | MANUFACTURER | MODEL | SERIES | GPM | HEAD (FT) | SUCTION SIZE (IN) | DISCHARGE SIZE (IN) | MOTOR (RPM) | MOTOR (HP) | ELECTRICAL DATA | | | WEIGHT (LBS) | PUMP FLOOR SPACE (SF) | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | VOLT | PHASE | FREQUENCY (Hz) | | | |
| BWP | 1 | BELL & GOSSETT | 1.5AD | e-1510 | 90 | 50 | 2 | 1.5 | 1800 | 3 | 460 | 3 | 60 | 140 | 2.75 | 1,2,3 |
| BWP | 2 | BELL & GOSSETT | 1.5AD | e-1510 | 90 | 50 | 2 | 1.5 | 1800 | 3 | 460 | 3 | 60 | 140 | 2.75 | 1,2,3 |
| CWP | 1 | BELL & GOSSETT | 2BD | e-1510 | 160 | 55 | 2.5 | 2 | 1800 | 5 | 460 | 3 | 60 | 190 | 3.5 | 1,2,4 |
| CWP | 2 | BELL & GOSSETT | 2BD | e-1510 | 160 | 55 | 2.5 | 2 | 1800 | 5 | 460 | 3 | 60 | 190 | 3.5 | 1,2,4 |

NOTES:
1. PROVIDE VFD AND DISCONNECT PER DIVISION 26 SPECIFICATIONS.
2. REFER TO DETAILS 7/M5.1.
3. REFER TO 3/M7.1 AND 1/M7.2 FOR CONTROLS.
4. REFER TO 3/M7.1 AND 1/M7.3 FOR CONTROLS.

# BOILER SCHEDULE

| TAG | | MANUFACTURER | MODEL | SIZE | FUEL TYPE | INPUT (MBH) | OUTPUT (MBH) | WATER TEMPERATURE | | CAPACITY (GAL.) | FLOW RATE (GPM) | | | RATED WATER PRESSURE DROP (PSIG) | GAS INLET CONNECTION (IN) | DIRECT VENTING (IN) | | EFFICIENCY (%) | TURN DOWN RATIO | ELECTRICAL DATA | | | | DIMENSIONS (IN) | | | WEIGHT (LBS) | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ENTERING | LEAVING | | MIN | DESIGN | MAX | | | AIR INTAKE | EXHAUST | | | VOLT | PHASE | FLA | | WIDTH | DEPTH | HEIGHT | | |
| B | 1 | AERCO | BMK | 750 | NATURAL GAS | 750 | 720 | 100 °F | 140 °F | 16.25 | 12 | 90 | 175 | 3 PSI @ 100 GPM | 1" | 6" | 6" | 95.6 | 15:1 | 120 | 1 | 13 | 28 | 24.5 | 78 | 669 | 1,2,3,4,5 |
| B | 2 | AERCO | BMK | 750 | NATURAL GAS | 750 | 720 | 100 °F | 140 °F | 16.25 | 12 | 90 | 175 | 3 PSI @ 100 GPM | 1" | 6" | 6" | 95.6 | 15:1 | 120 | 1 | 13 | 28 | 24.5 | 78 | 669 | 1,2,3,4,5 |

NOTES:
1. PROVIDE STARTER AND DISCONNECT PER DIVISION 26 SPECIFICATIONS.
2. MANUFACTURER TO PROVIDE SEQUENCING VALVES AND BOILER SEQUENCING AS PART OF INTERNAL CONTROLS.
3. PROVIDE CONDENSATE NEUTRALIZING KIT.
4. REFER TO DETAILS 4/M5.2 & 1/M5.3.
5. REFER TO 1/M7.2 AND 2/M7.2 FOR CONTROLS.

# DUCTLESS SPLIT INDOOR UNIT SCHEDULE

| TAG | | MANUF. | MODEL | ROOM SERVED | CFM | RATED COOLING CAPACITY (MBH) | RATED HEATING CAPACITY (MBH) | ELECTRICAL DATA | | | WEIGHT (LBS) | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | VOLT. | PHASE | MCA | | |
| DS | 1 | TRANE / MITSUBISHI | TPLA0A0181EA70A | ELECTRICAL ROOM | 600 | 18 | 19 | 208 | 1 | - | 36.6 | 1,2,3,4,5 |
| DS | 2 | TRANE / MITSUBISHI | TPLA0A0181EA70A | ELECTRICAL ROOM | 600 | 18 | 19 | 208 | 1 | - | 36.6 | 1,2,3,4,5 |
| DS | 3 | TRANE / MITSUBISHI | TPKA0A0181LA00A | MDF | 450 | 18 | 19 | 208 | 1 | - | 28 | 1,2,3,4,5 |

NOTES:
1. CONTRACTOR TO PROVIDE TEMPERATURE SENSOR IN EACH ROOM WITH DUCTLESS SPLIT TO BE INTERFACED WITH BUILDING AUTOMATION SYSTEM.
2. PROVIDE THERMOSTAT WITH DUCTLESS SPLIT SYSTEM.
3. REFER TO DETAIL 8/M5.1.
4. PROVIDE CONDENSATE PUMP.
5. UNIT SHALL BE POWERED VIA OUTDOOR AIR CONDENSING UNIT.

# CRAC UNIT SCHEDULE

| TAG | MANUF. | MODEL | ROOM SERVED | DX COOLING COIL CAPACITY (MBH) | | | HUMIDIFIER SECTION | | EVAPORATOR FAN | | ELECTRIC REHEAT CAPACITY (MBH) | ELECTRICAL DATA | | | | DIMENSIONS (IN) | | | WEIGHT (LBS) | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | TOTAL | SENSIBLE | WPD (FT) | TYPE | CAPACITY (LB/H) | HP | CFM | | VOLTAGE | PHASE | FLA | MOCP (A) | LENGTH | WIDTH | HEIGHT | | |
| CRAC-1 | LIEBERT | MMD96E | SECURITY ELECTRONICS | 96.9 | 95.2 | 9.9 | STEAM GENERATOR TYPE | 10 | 2 | 3750 | 56.3 | 460 | 3 | 48.1 | 60 | 72 | 54 | 26.5 | 665 | 1,2,3,4,5,6,7,8 |

NOTES:
1. PROVIDE STARTER / DISCONNECT PER DIVISION 26 SPECIFICATIONS.
2. PROVIDE REMOTE WALL MOUNT CONTROLLER.
3. PROVIDE RETURN AIR FILTER BOX.
4. PROVIDE FILTER CLOG SWITCH.
5. PROVIDE HIGH TEMPERATURE SENSOR.
6. REFER TO DETAILS 8/M5.1 AND 1/M5.2.
7. REFER TO SHEET 3/M7.3 FOR CONTROLS.
8. PROVIDE CONDENSATE PUMP.

# AIR COOLED CONDENSING UNIT SCHEDULE

| TAG | | MANUF. | MODEL | ROOMS SERVED | UNITS SERVED | NOMINAL TONS | DESIGN AMBIENT TEMP (°F) | SEER | REF. TYPE | ELECTRICAL DATA | | | | WEIGHT (LBS) | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | VOLTAGE | PHASE | MCA | MOCP | | |
| ACC | 1 | LIEBERT | PFH096A | SECURITY ELECTRONICS | CRAC-1 | 8 | 80 | - | R-407C | 460 | 3 | 21 | 30 | 565 | 1,2,3,4 |
| ACC | 2 | TRANE/MITSUBISHI | TUMYP0601AK43NA | DISPATCH | HPI-1,2,3 | 5 | 95 | 18.9 | R-410A | 208 | 1 | 36 | 45 | 271 | 1,2,3,4 |
| ACC | 3 | TRANE/MITSUBISHI | TRUYA0361KA70NA | ELECTRICAL ROOM | DS-1,2 | 3 | 95 | 24.6 | R-410A | 208 | 1 | 25 | 31 | 302 | 1,2,3,4 |
| ACC | 4 | TRANE/MITSUBISHI | TRUYA0181KA70NA | MDF/IT ROOM | DS-3 | 1.5 | 95 | 19.8 | R-410A | 208 | 1 | 11 | 28 | 302 | 1,2,3,4 |
| ACC | 5 | TRANE/MITSUBISHI | TRUYA0361KA70NA | EQUIPMENT ROOM | HPI-4 | 3 | 95 | 24.6 | R-410A | 208 | 1 | 25 | 31 | 302 | 1,2,3,4 |

NOTES:
1. PROVIDE STARTER / DISCONNECT PER DIVISION 26 SPECIFICATIONS.
2. PROVIDE CRANKCASE HEATER, LOW-AMBIENT KIT, WINTER START KIT AND WIND BAFFLE.
3. SIZE REFRIGERANT PIPING AS PER MANUFACTURER'S RECOMMENDATIONS.
4. REFER TO DETAIL 8/M5.1.

# SMOKE EXHAUST FAN SCHEDULE

| TAG | | MANUFACTURER | MODEL | AIR FLOW (CFM) | EXTERNAL SP (IN WG) | MOTOR (RPM) | MOTOR (HP) | ELECTRICAL DATA | | | WEIGHT (LBS) | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | VOLTAGE | PHASE | FLA | | |
| SEF | 1 | GREENHECK | QEI-16 | 3400 | 0.5 | 1725 | 1 | 460 | 3 | 2.1 | 309 | 1,2,3,4 |
| SEF | 2 | GREENHECK | QEI-16 | 3400 | 0.5 | 1725 | 1 | 460 | 3 | 2.1 | 309 | 1,2,3,4 |
| SEF | 3 | GREENHECK | QEI-16 | 3400 | 0.5 | 1725 | 1 | 460 | 3 | 2.1 | 309 | 1,2,3,4 |

NOTES:
1. PROVIDE STARTER AND DISCONNECT PER DIVISION 26 SPECIFICATIONS.
2. REFER TO CONTROLS ON SHEET M7.5.
3. REFER TO DETAIL 9/M5.2.
4. FANS SHALL BE U.L. LISTED FOR SMOKE CONTROL.

# EXHAUST FAN SCHEDULE

| TAG | | MANUFACTURER | MODEL | ROOM SERVED | DRIVE TYPE | AIR FLOW (CFM) | EXTERNAL SP (IN WG) | MOTOR (RPM) | MOTOR (HP) | ELECTRICAL DATA | | | WEIGHT (LBS) | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | VOLTAGE | PHASE | FLA | | |
| EF | 1 | GREENHECK | SQ-130-VG | MECHANICAL ROOM | DIRECT | 390 / 1900 | 0.4 | 1556 | 3/4 | 120 | 1 | 10 | 59 | 1,2 |
| EF | 2 | GREENHECK | SQ-98-VG | TRASH ROOM | DIRECT | 330 | 0.33 | 1193 | 1/4 | 120 | 1 | 3.8 | 47 | 1,3 |
| EF | 3 | GREENHECK | BSQ-240 | VEHICLE SALLYPORT | BELT | 6000 | 0.33 | 694 | 1 | 460 | 3 | 2.1 | 227 | 1,4 |
| EF | 4 | GREENHECK | SQ-95-VG | EVIDENCE ROOM | DIRECT | 510 | 0.3 | 1359 | 1/6 | 120 | 1 | 2.8 | 47 | 1,3 |
| EF | 5 | GREENHECK | SQ-97-VG | SUB ELECTRICAL ROOM | DIRECT | 150 | 0.3 | 1182 | 1/4 | 120 | 1 | 3.8 | 47 | 1,3 |
| EF | 6 | LFSYSTEMS | DEF035 | LAUNDRY | DIRECT | 1200 | 4 | 1740 | 3 | 480 | 3 | 4.9 | 275 | 1,5,6 |
| EF | 7 | LFSYSTEMS | DEF035 | LAUNDRY | DIRECT | 1200 | 4 | 1740 | 3 | 480 | 3 | 4.9 | 275 | 1,5,6 |
| EF | 8 | LFSYSTEMS | DEF035 | LAUNDRY | DIRECT | 1200 | 4 | 1740 | 3 | 480 | 3 | 4.9 | 275 | 1,5,6 |
| EF | 9 | LFSYSTEMS | DEF015 | LAUNDRY | DIRECT | 220 | 1.75 | 1950 | 0.5 | 120 | 1 | 8.1 | 55 | 1,5,6 |

NOTES:
1. PROVIDE STARTER AND DISCONNECT PER DIVISION 26 SPECIFICATIONS.
2. FAN SHALL OPERATE AT TWO SPEEDS PER REFRIGERANT DETECTION SENSOR. MANUAL SWITCH SHALL ALSO BE PROVIDED. REFER TO 3/M7.4 FOR CONTROLS.
3. FAN SHALL OPERATE CONTINUOUSLY. MANUAL SWITCH SHALL ALSO BE PROVIDED. REFER TO 4/M7.4 FOR CONTROLS.
4. FAN SHALL OPERATE PER CO & NO2 SENSORS LOCATED IN THE VEHICLE SALLYPORT. MANUAL SWITCH SHALL ALSO BE PROVIDED. REFER TO 2/M7.4 FOR CONTROLS.
5. FAN SHALL OPERATE WHEN DRYER IS UNDER OPERATION. REFER TO 4/M7.1 AND 5/M7.4 FOR CONTROLS.
6. CONTRACTOR SHALL VERIFY DRYER SELECTION BY THE OWNER AND NOTIFY THE ENGINEER IN CASE OF ANY DISCREPANCY.

# DUCT SILENCER SCHEDULE

| TAG | MODEL | DIMENSIONS | | | | AIR VOLUME (CFM) | AIR VELOCITY (FPM) | INSTALLED PRESSURE DROP (IN WG) | DYNAMIC INSERTION LOSS (DB) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | WIDTH (IN) | HEIGHT (IN) | LENGTH (IN) | DIAMETER (IN) | | | | 63HZ | 125HZ | 250HZ | 500HZ | 1000HZ | 2000HZ | 4000HZ | 8000HZ |
| DS1-S2 | CS | - | - | 36 | 34 | 7120 | 1129 | 0.05 | 2 | 3 | 9 | 14 | 14 | 9 | 7 | 7 |
| DS2-R | RH60/3A | 36 | 30 | 60 | - | 10400 | 1387 | 0.14 | 5 | 7 | 13 | 26 | 27 | 18 | 12 | 8 |
| DS-1R | RH96/1A | 26 | 34 | 96 | - | 10600 | 1727 | 0.28 | 8 | 9 | 14 | 32 | 46 | 27 | 16 | 12 |
| DS-2S-1 | CS | - | - | 60 | 30 | 9620 | 1960 | 0.22 | 8 | 12 | 16 | 24 | 29 | 18 | 13 | 12 |
| DS-2S-2 | CS | - | - | 72 | 26 | 7830 | 2124 | 0.06 | 4 | 6 | 16 | 35 | 24 | 14 | 13 | 15 |

# ELECTRIC WALL HEATER SCHEDULE

| TAG | | MANUFACTURER | MODEL | ROOM SERVED | CAPACITY (MBH) | AIR FLOW (CFM) | MOUNTING HEIGHT (A.F.F.) (IN) | ELECTRICAL DATA | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | VOLTAGE | PHASE | KW | |
| EWH | 1 | QMARK | AWH 3150 F | MENS | 5.12 | 100 | 8 | 120 | 1 | 1.5 | 1,2,3,4,5 |
| EWH | 2 | QMARK | AWH 3150 F | STAIR | 5.12 | 100 | 8 | 120 | 1 | 1.5 | 1,2,3,4,5 |
| EWH | 3 | QMARK | AWH 3150 F | STAIR | 5.12 | 100 | 8 | 120 | 1 | 1.5 | 1,2,3,4,5 |
| EWH | 4 | QMARK | AWH 3150 F | VESTIBULE | 5.12 | 100 | 8 | 120 | 1 | 1.5 | 1,2,3,4,5 |

NOTES:
1. PROVIDED INTEGRAL THERMOSTAT WITH LABEL.
2. PROVIDE THERMAL OVERLOAD PROTECTION.
3. PROVIDE BUILT-IN DISCONNECT SWITCH.
4. PROVIDE FAN DELAY SWITCH.
5. COLORS AS SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLOR RANGE


DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
DLZ INDIANA, LLC


2/16/22
JOSHUA R. APLING
PE 10100274
STATE OF INDIANA
PROFESSIONAL ENGINEER

| NO. | REVISION | DATE |
|---|---|---|
| A3 | ADDENDUM 3 | 02/16/22 |

DRAWN: SSB
DESIGNED: SSB
CHK'D: ESA
APPRV'D: JRA
DATE: DECEMBER 20, 2021
PROJECT NUMBER 2063-1048-90

SULLIVAN COUNTY SHERIFF'S OFFICE AND CORRECTIONAL FACILITY
2357 NORTH SECTION STREET SULLIVAN, INDIANA 47882

MECHANICAL EQUIPMENT SCHEDULES - I

DRAWING NUMBER
M6.1
MECHANICAL

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