

| SPLIT SYSTEM AIR HANDLING UNIT SCHEDULE   |                   |
|---|-------------------|
| MARK  | AHU-1             |
| LOCATION  | MECHANICAL CLOSET |
| MANUFACTURER  | TRANE             |
| MODEL   | 4TEC3F36          |
| <b>FAN</b>  |                   |
| TOTAL AIR FLOW (CFM)  | 1000              |
| OUTSIDE AIR FLOW (CFM)  | 120               |
| S.P. IN. WG. (TOT./EXT.)  | -/0.6             |
| DRIVE/TYP   | DIRECT/CENT.      |
| H.P./SPEED  | 1/3 / HIGH        |
| VOLTS/Ø   | 230/1             |
| <b>EVAPORATOR COIL</b>  |                   |
| ENT. AIR TEMP. (DB/WB)  | 77.4/64.8         |
| L.V.G. AIR TEMP. (DB/WB)  | 57.9/55.3         |
| SENS. CAPACITY (MBH)  | 20.8              |
| TOTAL CAPACITY (MBH)  | 28.0              |
| FACE AREA (SQ. FT.)   | 3.67              |
| ROWS/FINS PER INCH  | 3/14              |
| <b>ELECTRIC HEATING COIL</b>  |                   |
| INPUT (KW) @ 240 VOLTS  | 7.68              |
| CONTROL STEPS   | 1                 |
| VOLTS/Ø   | 230/1             |
| <b>ELECTRICAL</b>   |                   |
| MINIMUM CIRCUIT AMPACITY  | 43                |
| MAXIMUM FUSE SIZE   | 45                |
| <b>FLTERS</b>   |                   |
| (QUANTITY) SIZE   | (1) 20x20x1       |
| TYPE  | THROWAWAY         |
| <b>UNIT REQUIREMENTS</b>  |                   |
| OPERATING WEIGHT (LBS.)   | 150               |
| ACCESSORIES   | 1                 |
| NOTES   | 1.2               |
| <b>ACCESSORIES</b>  |                   |
| 1. PROVIDE SINGLE POINT POWER CONNECTION.   |                   |
| <b>NOTES</b>  |                   |
| 1. MOUNT ON VERTICAL PEDESTAL.  |                   |
| 2. INTERLOCK MOTORIZED OUTSIDE AIR DAMPER TO OPEN WHEN UNIT STARTS AND CLOSE WHEN UNIT STOPS. |                   |

| AIR COOLED CONDENSING UNIT SCHEDULE  |                  |
|--|------------------|
| MARK   | CU-1             |
| LOCATION   | GRADE            |
| MANUFACTURER   | TRANE            |
| MODEL NUMBER   | 4TTB3030         |
| NOMINAL TONS   | 2.5              |
| <b>COMPRESSOR</b>  |                  |
| OUTDOOR DESIGN TEMPERATURE (F)   | 95               |
| NUMBER OF STAGES   | 1                |
| NUMBER OF COMPRESSORS  | 1                |
| <b>CONDENSER FAN</b>   |                  |
| NUMBER OF FANS   | 1                |
| MOTOR HP   | 1/8              |
| <b>ELECTRICAL</b>  |                  |
| VOLTAGE/PHASE  | 230/1            |
| COMPRESSOR RLA EACH  | 11.1             |
| CONDENSER FAN MOTOR FLA EACH   | 0.7              |
| MINIMUM CIRCUIT AMPACITY   | 15               |
| MAXIMUM FUSE SIZE  | 25               |
| SEER   | 13               |
| <b>UNIT REQUIREMENTS</b>   |                  |
| UNIT WEIGHT (LBS)  | 250              |
| ACCESSORIES  | 1, 2, 3, 4, 5, 6 |
| NOTES  | 1                |
| <b>ACCESSORIES</b>   |                  |
| 1. PROVIDE MANUFACTURER'S 24 HR/7 DAY PROGRAMMABLE THERMOSTAT WITH BATTERY BACK-UP AND AVERAGING SENSOR FOR MULTI-POINT TEMPERATURE SET POINT DETERMINATION.   |                  |
| 2. PROVIDE ANTI-SHORT CYCLE TIMER  |                  |
| 3. PROVIDE RUBBER ISOLATION KIT  |                  |
| 4. PROVIDE SEACOAST KIT  |                  |
| 5. PROVIDE CRANKCASE HEATER  |                  |
| 6. PROVIDE HARD START KIT  |                  |
| <b>NOTES</b>   |                  |
| 1. MOUNT ON CONCRETE HOUSEKEEPING PAD. SECURE TO PAD PER DETAIL ON SHEET M-4.  |                  |
| 2. SIZE REFRIGERANT LINE SETS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REFRIGERANT PIPING DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PROVIDE CERTIFICATION OF LINE SIZES FOR THE INSTALLATION APPLICATION FROM THE EQUIPMENT MANUFACTURER FOR REVIEW. |                  |

| HVAC ABBREVIATIONS |   |
|--------------------|---|
| ABBREVIATION       | DESCRIPTION   |
| AFF                | ABOVE FINISHED FLOOR  |
| AFMS               | AIRFLOW MONITORING STATION  |
| AHU                | AIR HANDLING UNIT   |
| AS                 | AIR SEPARATOR   |
| ASHRAE             | AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS |
| BMS                | BUILDING MANAGEMENT SYSTEM  |
| BTU                | BRITISH THERMAL UNITS   |
| CFM                | CUBIC FEET PER MINUTE   |
| CH                 | CHILLER   |
| CHWR               | CHILLED WATER RETURN  |
| CHWS               | CHILLED WATER SUPPLY  |
| CT                 | COMPRESSION TANK  |
| CU                 | CONDENSING UNIT   |
| D                  | DEPTH   |
| DB                 | DRY BULB  |
| DC                 | DRY COOLER  |
| DEG F              | DEGREES FAHRENHEIT  |
| EA                 | EXHAUST AIR OR EACH   |
| EER                | ENERGY EFFICIENCY RATIO   |
| EF                 | EXHAUST FAN   |
| ENT                | ENTERING  |
| ESP                | EXTERNAL STATIC PRESSURE  |
| ET                 | ET CETERA   |
| EXT                | EXTERNAL  |
| FCU                | FAN COIL UNIT   |
| FD                 | FIRE DAMPER   |
| FL                 | FULL LOAD AMPS  |
| FPM                | FEET PER MINUTE   |
| FT                 | FEET  |
| FT-H2O             | FEET OF WATER   |
| GAL                | GALLONS   |
| GPM                | GALLONS PER MINUTE  |
| H                  | HEIGHT  |
| HP                 | HORSEPOWER  |
| IN                 | INCHES  |
| IN.W.G.            | INCHES OF WATER - GAGE  |
| KEF                | KITCHEN EXHAUST FAN   |
| KSF                | KITCHEN SUPPLY FAN  |
| KW                 | KILOWATTS   |
| L                  | LENGTH  |
| LBS                | POUNDS  |
| LV                 | LOUVER  |
| LVG                | LEAVING   |
| MAX                | MAXIMUM   |
| MBH                | THOUSAND BRITISH THERMAL UNITS  |
| MCA                | MAXIMUM CURRENT AMPACITY  |
| MIN                | MINIMUM   |
| MOC                | MAXIMUM OVERCURRENT PROTECTION  |
| MVD                | MANUAL VOLUME DAMPER  |
| N/A                | NONE ASSOCIATED/NOT APPLICABLE  |
| NC                 | NORMALLY CLOSED   |
| NC                 | NOT IN CONTRACT   |
| NO                 | NUMBER OR NORMALLY OPEN   |
| OA                 | OUTSIDE AIR   |
| OAI                | OUTSIDE AIR INTAKE  |
| P                  | PUMP  |
| PH                 | PHASE   |
| PRESS              | PRESSURE  |
| PSIG               | POUNDS PER SQUARE INCH - GAGE   |
| QTY                | QUANTITY  |
| RA                 | RETURN AIR  |
| RLA                | RUNNING LOAD AMPS   |
| RPM                | REVOLUTIONS PER MINUTE  |
| SA                 | SUPPLY AIR  |
| SD                 | SMOKE DAMPER  |
| SEER               | SEASONAL ENERGY EFFICIENCY RATIO  |
| SF                 | SQUARE FEET   |
| SMACNA             | SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION         |
| SP                 | STATIC PRESSURE   |
| SO                 | SQUARE  |
| TEMP               | TEMPERATURE   |
| UL                 | UNDERWRITERS LABORATORIES   |
| V                  | VOLTAGE   |
| VAV                | VARIABLE AIR VOLUME   |
| VFD                | VARIABLE FREQUENCY DRIVE  |
| W                  | WIDTH   |
| WB                 | WET BULB  |

| HVAC LEGEND  |   |
|--|---|
| SYMBOL   | DESCRIPTION   |
|  | SUPPLY DUCT RISER   |
|  | RETURN DUCT RISER   |
|  | EXHAUST DUCT RISER  |
|  | SUPPLY DUCT DOWN  |
|  | RETURN DUCT DOWN  |
|  | EXHAUST DUCT DOWN   |
|  | DUCT CONTINUES  |
|  | MANUAL VOLUME DAMPER  |
|  | BACKDRAFT DAMPER  |
|  | MOTORIZED DAMPER  |
|  | FIRE DAMPER   |
|  | SMOKE DAMPER  |
|  | COMBINATION FIRE/SMOKE DAMPER   |
|  | DUCT ACCESS DOOR  |
|  | DUCT RISE OR DROP IN DIRECTION OF FLOW  |
|  | SQUARE TO ROUND DUCT TRANSITION   |
|  | TERMINAL UNIT   |
|  | CROSS HATCHED AREA 36 INCH MINIMUM CLEARANCE FOR HEATER ACCESS. MAINTAIN CLEARANCE. |
|  | FAN POWERED TERMINAL UNIT   |
|  | SINGLE LINE DUCTWORK  |
|  | BELL MOUTH TAP W/MVD  |
|  | MVD HAS REMOTE CONTROL IN RIGID CEILING   |
|  | FLEXIBLE DUCT   |
|  | SUPPLY OUTLET (SEE AIR DEVICE SCHEDULE)   |
|  | RETURN INLET (SEE AIR DEVICE SCHEDULE)  |
|  | EXHAUST INLET (SEE AIR DEVICE SCHEDULE)   |
| <b>PIPING</b>  |   |
|  | PIPING CONTINUES  |
|  | ANCHOR POINT  |
|  | PIPE GUIDE  |
|  | PIPE ELBOW DOWN   |
|  | PIPE ELBOW UP   |
|  | EXPANSION COMPENSATOR   |
|  | BALL VALVE (SHOWN WITH OR WITHOUT HANDLE)   |
|  | BUTTERFLY VALVE   |
|  | BALANCING VALVE WITH PRESSURE TAPS  |
|  | 2-WAY AUTOMATIC CONTROL VALVE   |
|  | 3-WAY AUTOMATIC CONTROL VALVE   |
|  | THERMOMETER IN WELL   |
|  | PRESSURE/TEMPERATURE TAP  |
|  | UNION   |
|  | FLEXIBLE PIPING   |
|  | CAPPED END  |
|  | CONDENSATE DRAIN PIPING   |
|  | REFRIGERANT PIPING  |
|  | CHILLED WATER SUPPLY  |
|  | CHILLED WATER RETURN  |
|  | UNDERGROUND CONDENSATE DRAIN PIPING   |
|  | UNDERGROUND REFRIGERANT PIPING  |
|  | UNDERGROUND CHILLED WATER SUPPLY  |
|  | UNDERGROUND CHILLED WATER RETURN  |
| <b>SYMBOLS</b>   |   |
|  | THERMOSTAT  |
|  | TEMPERATURE SENSOR  |
|  | HUMIDISTAT  |
|  | CARBON DIOXIDE SENSOR   |
|  | CARBON MONOXIDE REMOTE SENSOR   |
|  | NITROGEN OXIDE REMOTE SENSOR  |
|  | AIR DEVICE TAG  |
|  | AIRFLOW SIZE (IN/IN)  |
|  | DUCT SMOKE DETECTOR   |
|  | FAN POWER SWITCH  |
|  | UNDER CUT DOOR  |
|  | AIR FLOW AMOUNT (CFM)   |
|  | REFERENCE NOTE  |
|  | DETAIL NUMBER   |
|  | SHEET DETAIL APPEARS  |
|  | TYPE OF EQUIPMENT   |
|  | EQUIPMENT NUMBER  |
|  | SECTION NUMBER  |
|  | SHEET SECTION APPEARS   |
| <b>NOTE</b>  |   |
| SCREENED SYMBOLS OR TEXT (EXAMPLE: AHU) INDICATE EXISTING EQUIPMENT OR CONDITIONS. |   |

| GENERAL NOTES |  |
|---------------|--|
| 1.            | INSTALLATION OF EQUIPMENT SHALL COMPLY WITH EQUIPMENT MANUFACTURER'S INSTALLATION AND CLEARANCE REQUIREMENTS.  |
| 2.            | THE CONTRACTOR SHALL VERIFY DIMENSIONS WHERE EQUIPMENT IS TO BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION. DO NOT SCALE FROM DRAWINGS.   |
| 3.            | ALL NEW SUPPLY AND RETURN DUCTWORK SHALL BE ANTI-MICROBIAL LINED FIBERGLASS DUCTBOARD, 2 INCHES THICK WITH A MINIMUM INSTALLED R VALUE OF 6. SEAL ALL JOINTS AND SEAMS WITH GLASS FABRIC AND MASTIC MEETING UL 181 AND MEETING THE REQUIREMENTS OF THE DUCT SYSTEM MANUFACTURER. |
| 4.            | ALL NEW EXHAUST AND OUTSIDE AIR DUCTWORK SHALL BE GALVANIZED STEEL.  |
| 5.            | MAXIMUM LENGTH OF FLEX DUCTWORK SHALL BE 7 FEET.   |
| 6.            | ALL RESTROOM MAKE-UP AIR SHALL BE VIA GALVANIZED STEEL TRANSFER DUCTS WITH ZERO LEAKAGE BACKDRAFT DAMPERS AND DOOR UNDERCUTS.  |
| 7.            | EXTERNALLY INSULATE ALL LOUVER PLENUMS AND BLANKOFFS, REFER TO SPECIFICATIONS FOR REQUIREMENTS.  |
| 8.            | REFER TO ARCHITECTURAL SHEETS FOR LOUVER MOUNTING HEIGHTS.   |
| 9.            | CONTRACTOR SHALL MAINTAIN A MINIMUM SEPARATION OF 10 FEET FROM ANY OUTSIDE AIR INTAKE AND ANY BATHROOM EXHAUST OR VENT THROUGH THE ROOF.   |
| 10.           | ROUTE CONDENSATE TO UNDERGROUND RAIN WATER CISTERN. COORDINATE FINAL CONNECTION TO THE CISTERN WITH THE RAIN WATER CISTERN VENDOR.   |
| 11.           | REFRIGERANT PIPING SIZING AND ROUTING DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL TAKE INTO ACCOUNT LENGTH OF RUN AND FIELD CONDITIONS WHEN SIZING THE PIPING TO ENSURE ALL LOSSES ARE ACCOUNTED FOR.   |
| 12.           | ROUTE ALL UNDERGROUND REFRIGERANT PIPING IN 6" LONG RADIUS PVC PIPING SLEEVES.   |
| 13.           | ALL SENSORS/CONTROLS SHALL BE LOCATED TO ALLOW THE PARALLEL APPROACH BY A PERSON IN A WHEELCHAIR AND MOUNTED 54" AFF. WHERE PARALLEL APPROACH IS NOT POSSIBLE, SENSORS/CONTROLS SHALL BE MOUNTED 48" AFF.  |
| 14.           | PROVIDE 4-INCH THICK CONCRETE HOUSEKEEPING PAD WITH 6-INCH BORDER ALL AROUND FOR ALL GRADE MOUNTED MECHANICAL EQUIPMENT.   |
| 15.           | DIVISION 15 CONTRACTOR SHALL FURNISH AND INSTALL ALL MOTOR STARTERS, RELAYS, AND LOW-VOLTAGE WIRING TO ALLOW THE MECHANICAL EQUIPMENT TO PERFORM AS REQUIRED BY THE SEQUENCE OF OPERATIONS.  |
| 16.           | (AN INDEPENDANT) CONTRACTOR SHALL PERFORM A COMPLETE CERTIFIED TEST AND BALANCE OF EACH MECHANICAL SYSTEM (INCLUSIVE OF EXHAUST FANS, SPLIT SYSTEM AIR HANDLING UNITS, AND CEILING DEVICES). SEE SPECIFICATIONS FOR DETAILS.   |
| 17.           | THE CONTRACTOR SHALL INSTALL A COMPLETE AND FULLY OPERATIONAL SYSTEM BASED ON THE INTENT OF THESE DRAWINGS.  |
| 18.           | VERIFY ALL MECHANICAL IDENTIFICATION LABEL AND TAG DESIGNATIONS WITH THE OWNER BEFORE MAKING AND INSTALLING LABELS AND TAGS.   |

| AIR DEVICE SCHEDULE   |                     |                     |                 |                |                  |               |
|---|---------------------|---------------------|-----------------|----------------|------------------|---------------|
| MARK  | (A)                 | (B)                 | (C)             | (D)            | (E)              | (F)           |
| MANUFACTURER  | TITUS               | TITUS               | TITUS           | TITUS          | TITUS            | TITUS         |
| MODEL   | TMS-AA              | 4FL                 | 350 FL          | 4FL            | 271 FL           | TMS-AA        |
| <b>UNIT</b>   |                     |                     |                 |                |                  |               |
| TYPE  | SUPPLY              | RETURN              | SIDEWALL SUPPLY | EXHAUST        | SIDEWALL EXHAUST | SUPPLY/RETURN |
| FACE/NECK (INCHES)  | 24x24 (SEE TABLE 1) | 24x24 (SEE TABLE 2) | SEE PLAN        | 24x24/SEE PLAN | SEE PLAN         | 12x12/6"      |
| MATERIAL  | ALUMINUM            | ALUMINUM            | ALUMINUM        | ALUMINUM       | ALUMINUM         | ALUMINUM      |
| ACCESSORIES   | 1, 2                | 1, 2                | 1, 2            | 1, 2           | 1, 2             | 1, 2          |
| <b>PERFORMANCE</b>  |                     |                     |                 |                |                  |               |
| MAX. NC LEVEL   | 25                  | 24                  | 25              | 26             | 25               | 25            |
| MAX. PRESS. DROP (IN. WG.)  | 0.05                | 0.06                | 0.05            | 0.04           | 0.04             | 0.05          |
| <b>ACCESSORIES</b>  |                     |                     |                 |                |                  |               |
| 1. PROVIDE SURFACE MOUNT BORDER FOR ALL AIR DEVICES LOCATED IN A HARD CEILING OR WALL.                      |                     |                     |                 |                |                  |               |
| 2. PROVIDE MANUAL BALANCING DAMPER ADJUSTABLE FROM DIFFUSERS FACE FOR ANY DEVICE LOCATED IN A HARD CEILING. |                     |                     |                 |                |                  |               |
| <b>NOTES</b>  |                     |                     |                 |                |                  |               |
| 1. USE NECK SIZES BELOW ONLY IF NOT INDICATED ON PLANS.   |                     |                     |                 |                |                  |               |
| 2. PAINT DUCT WORK (HARD OR FLEX) THAT IS VISIBLE THROUGH FRONT OF AIR DEVICE MATTE BLACK.                  |                     |                     |                 |                |                  |               |
| <b>TABLE 1</b>  |                     |                     |                 |                |                  |               |
| CFM RANGE   | NECK SIZE           | CFM RANGE           | NECK SIZE       | CFM RANGE      | NECK SIZE        |               |
| 0-100   | 6"                  | 326-475             | 12"             | 0-400          | 12"              |               |
| 100-220   | 8"                  | 476-650             | 14"             | 401-650        | 14"              |               |
| 221-325   | 10"                 |                     |                 | 651-850        | 16"              |               |
| <b>NOTES</b>  |                     |                     |                 |                |                  |               |
| FLEX DIA. SIZE SHALL EQUAL NECK SIZE.   |                     |                     |                 |                |                  |               |

| LOUVER SCHEDULE   |                      |              |                |                     |                        |                                  |                             |
|---|----------------------|--------------|----------------|---------------------|------------------------|----------------------------------|-----------------------------|
| PLAN MARK   | LOCATION             | SIZE (WxHxD) | AIR FLOW (CFM) | FREE AREA (SQ. FT.) | MAXIMUM VELOCITY (FPM) | MAXIMUM PRESSURE DROP (IN. W.G.) | MANUFACTURER & MODEL NUMBER |
| LV-1  | TICKET BUILDING WALL | 30x18x5      | 120            | 1.17                | 103                    | 0.002                            | GREENHECK EHH-501 X         |
| LV-2  | RESTROOM BUILDING    | 12x20x4      | -              | 0.62                | -                      | -                                | GREENHECK ESD-435 X         |
| LV-3  | RESTROOM BUILDING    | 8x20x2       | -              | 0.26                | -                      | -                                | GREENHECK ESJ-202           |
| <b>ACCESSORIES</b>  |                      |              |                |                     |                        |                                  |                             |
| 1. PROVIDE RECESSED FRAME FOR FLUSH MOUNTING IN WALL FOR LV-1.                            |                      |              |                |                     |                        |                                  |                             |
| 2. PROVIDE FLANGED FRAME FOR LV-2 AND LV-3.   |                      |              |                |                     |                        |                                  |                             |
| <b>REMARKS</b>  |                      |              |                |                     |                        |                                  |                             |
| 1. PRIME AND PAINT LOUVER COLOR SELECTED BY ARCHITECT.                                    |                      |              |                |                     |                        |                                  |                             |
| 2. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR FINAL LOUVER LOCATIONS AND ELEVATIONS. |                      |              |                |                     |                        |                                  |                             |

| EXHAUST FAN SCHEDULE  |                  |                |
|---|------------------|----------------|
| MARK  | EF-1             | EF-2, 3        |
| MANUFACTURER  | GREENHECK        | GREENHECK      |
| MODEL   | SP-870           | SO-130-B       |
| <b>FAN</b>  |                  |                |
| LOCATION  | RESTROOM CEILING | RESTROOM CHASE |
| AIR FLOW (CFM)  | 50               | 1200           |
| STATIC PRESS. (IN. WG.)   | 0.25             | 0.5            |
| DRIVE/TYP   | DIRECT/CENT.     | DIRECT/CENT.   |
| H.P. (WATTS)/RPM  | (45)             | 1/4/1140       |
| VOLTS/PH  | 115/1            | 115/1          |
| <b>UNIT REQUIREMENTS</b>  |                  |                |
| OPERATING WEIGHT (LBS.)   | 20               | 100            |
| ACCESSORIES   | 1, 2, 3          | 1, 2, 4        |
| NOTES   |                  | 1              |
| <b>ACCESSORIES</b>  |                  |                |
| 1. PROVIDE SPEED CONTROLLER FOR SYSTEM BALANCING.   |                  |                |
| 2. PROVIDE BACKDRAFT DAMPER.  |                  |                |
| 3. PROVIDE MANUFACTURER'S FLASHING FLANGE, EQUIVALENT TO MODEL RFC-7. SEAL PENETRATION WATER TIGHT. |                  |                |
| 4. PROVIDE HANGING VIBRATION ISOLATORS, COMPATIBLE WITH VERTICAL MOUNT                              |                  |                |
| <b>NOTES</b>  |                  |                |
| 1. MOUNT FAN IN VERTICAL, DISCHARGE POINTING UP   |                  |                |

| VENTILATION REQUIREMENTS  |                                 |
|---|---------------------------------|
| OUTDOOR AIRFLOW CALCULATIONS FOR CONSTANT VOLUME SYSTEMS  |                                 |
| THE REQUIRED OUTSIDE AIR FOR EACH SYSTEM WAS CALCULATED USING THE GUIDELINES SET FORTH IN ASHRAE STANDARD 62.1-2007 AND APPROVED ADDENDA. THE APPROPRIATE PEOPLE OUTDOOR AIR RATE (Rp) AND THE AREA OUTDOOR AIR RATES (Ra) WERE SELECTED FROM TABLE 6-1 BASED ON THE OCCUPANCY CATEGORY FOR EACH SPACE. |                                 |
| THE RESULTS ARE SUMMARIZED AS FOLLOWS:  |                                 |
| AHU NUMBER  | 1                               |
| OCCUPANCY CATEGORY  | OFFICE SPACE                    |
| PEOPLE OUTDOOR AIR RATE (Rp)/NO OF PEOPLE / CFM   | 5 CFM/PERSON / 8 / 40 CFM       |
| AREA OUTDOOR AIR RATE (Ra) / SUITE AREA / CFM   | 0.06 CFM/SF / 470 SF / 28.2 CFM |
| BREATHING ZONE OUTDOOR AIRFLOW (Vbz) / PEOPLE + AREA  | 68.2 CFM                        |
| ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)  | 1.0, CEILING SUPPLY             |
| REQUIRED OUTDOOR AIRFLOW (Vot)  | 68.2 CFM                        |
| OUTDOOR AIRFLOW SPECIFIED   | 120 CFM                         |

| HOOD SCHEDULE  |           |
|--|-----------|
| MARK   | EAD-1, 2  |
| MANUFACTURER   | GREENHECK |
| MODEL  | SDLE      |
| <b>HOOD</b>  |           |
| SERVES   | EF-2, 3   |
| AIR FLOW (CFM)   | 1200      |
| THROAT AREA (FT²)  | 2.25      |
| MAX. VELOCITY (FPM)  | 533       |
| <b>UNIT REQUIREMENTS</b>   |           |
| OPER. WEIGHT (LBS)   | 500       |
| ACCESSORIES  | 1, 2, 3   |
| NOTES  | 1         |
| <b>ACCESSORIES</b>   |           |
| 1. PROVIDE INSECT SCREEN.  |           |
| 2. PROVIDE MANUFACTURER'S 12" ROOF CURB.   |           |
| 3. PROVIDE MANUFACTURER'S DAMPER.  |           |
| <b>NOTES</b>   |           |
| 1. SECURE CURB TO ROOF AND HOOD TO CURB PER MANUFACTURER'S RECOMMENDATIONS TO WITHSTAND HURRICANE FORCE WINDS. |           |

| HVAC DESIGN DATA                     |        |            |
|--------------------------------------|--------|------------|
| WALL U VALUE (BTU/HR-FT²-F)          |        | 0.0919     |
| ROOF U VALUE (BTU/HR-FT²-F)          |        | 0.0468     |
| WINDOW U VALUE (BTU/HR-FT²-F)        |        | 0.41       |
| WINDOW SOLAR HEAT GAIN COEFFICIENT   |        | 0.37       |
| <b>OUTDOOR DESIGN CONDITIONS</b>     |        |            |
|                                      | SUMMER | WINTER     |
|                                      | DB (F) | WB (F)     |
|                                      | 95     | 78         |
|                                      |        | DB (F)     |
|                                      |        | 43         |
| <b>INDOOR AREA DESIGN CONDITIONS</b> |        |            |
|                                      | SUMMER | WINTER     |
|                                      | DB (F) | % HUMIDITY |
|                                      | 75     | 50         |
|                                      |        | DB (F)     |
|                                      |        | 70         |

| BUILDING PRESSURIZATION TABLE |           |
|-------------------------------|-----------|
| SYSTEM                        | AHU-1     |
| OUTSIDE AIR SPECIFIED         | + 120 CFM |
| EF-1                          | - 50 CFM  |
| TOTAL EXHAUST                 | - 50 CFM  |
| RESULTING POSITIVE PRESSURE   | + 70 CFM  |
| NUMBER OF DOORS TO OUTSIDE    | 1         |
| POSITIVE PRESSURE PER DOOR    | + 70 CFM  |