THE N THE TECTI

WERED VAV BOXES WITH HOT WATER HEAT AN POWERED VAV BOX, WILL HAVE A DUAL

"DAY" (OCCUPIED) CYCLE, THE VAV BOX FAN WILL BE ENERGIZED, AND RUN CONTINUOUSLY, -ELECTRIC SWITCH AND A ZONE DAY-NIGHT SIGNAL LINE. DAY-NIGHT CYCLES WILL BE INDEXICROPROCESSOR PANEL LOCATED IN THE BUILDING ENGINEER'S OFFICE. SIX (6) ZONES OF NOCCUPIED FOR THE FAN POWERED BOXES. PE SWITCH AND SIGNAL LINE WILL BE FURNISHED TURN ON AND OFF VAV BOX FAN.

N AIR FANS
ETURN AIR FANS SERVING THE THREE TWO-BAY SUITES ON THE SECOND FLOOR WILL BE PLACED ON THE CONTROL ZONE AS THEIR RESPECTIVE FAN TERMINAL UNITS. THE WILL RUN WHEN THEIR FAN TERMINAL RUN AND STOP WHEN THEY STOP.

IG THE "DAY" (OCCUPIED) CYCLE THE ROOM THERMOSTAT WILL MAINTAIN SPACE TEMPERATURE BY MODULAT THE BOX DAMPER AND POSITIONING THE TWO-WAY PROPORTIONAL HOT WATER VALVE. UPON DEMAND FOR IUM COOLING, THE HEATING COIL VALVE WILL BE CLOSED AND THE BOX DAMPER WILL ALLOW FULL FLOW RIMARY AIR THROUGH THE BOX INTO THE CONTROLLED SPACE. WHEN SPACE TEMPERATURE BEGINS TO BELOW THE SETTING OF THE ROOM THERMOSTAT THE PRIMARY AIR DAMPER WILL MODULATE TO ITS SUMM POSITION. IF THE SPACE TEMPERATURE CONTINUES TO FALL BELOW ROOM THERMOSTAT SETTING, THE MOSTAT WILL POSITION THE HEATING COIL VALVE OPEN.

URING "NIGHT" (UNOCCUPIED) CYCLE THE VAV BOX PRIMARY AIR DAMPER WILL BE 100% CLOSED AND ITS F.
HUT DOWN THROUGH THE PRESSURE-ELECTRIC SWITCH AND DAY/NIGHT SIGNAL LINE. WHEN THE SPACE
EMPERATURE FALLS BELOW THE "NIGHT" SETTING OF THE ROOM THERMOSTAT, THE THERMOSTAT WILL CYCLE
HE BOX FAN AND HEATING COIL VALVE OPEN TO PROVIDE HEATED RECIRCULATED AIR TO MAINTAIN THE DEIRED "NIGHT" SPACE TEMPERATURE. ROOM THERMOSTATS WILL BE INDEXED FROM "DAY-NIGHT" CYCLES OF
PERATION BY A ZONE "DAY-NIGHT" CONTROL LINE.

DOERATION BY A ZONE "LHAY-NAME. COLL."

HOUSE I - MAKE-UP AIR SYSTEM WILL BE STARTED AND STOPPED FROM THE MICROPROCESSOR PANEL LOCATED IN THE HOTEL MAKE-UP AIR SYSTEM WILL BE STARTED AND STOPPED FROM THE MICROPROCESSOR PANEL LOCATED IN THE BUILDING ENGINEER'S OPPICE. THIS SYSTEM WILL NORMALLY OPERATE CONTINUOUSLY 24 HOUS A DAY. DURLING THE "O"" CYCLE OF OPERATION, THE MAKE-UP AIR UNIT SUPPLY FAM AND THE TOLLET EMANST PANS WILL RUN CONTINUOUSLY.

UPON INITIAL START-UP WHEN GOING FROM "OFF" CYCLE TO "ON" CYCLE OF OPERATION, THE OUTDOOR AIR DANPER AND THE E-HAUST DANPER ON THE TOLLET EMANDS ON THE SUPPLY AIR FAM AND THE E-THAUST PAN ON THE SUPPLY AIR FAM AND THE E-HAUST OPEN TO 100% OPEN TOLLET EMANGE PAN WILL BE ALLOWED TO START.

PANER SUPPLY AFTER A PERSOD OF O SECONES, THE STANDSY FAM ON THE 1ST FLOOR AND THE REMAINING TOLLET EMANGE PAN HOLD PROPECTION TYPE THERMOSTAY WILL BE COLLED BY A FLOW SEATCH IN THE COMMON BOT WATER SUPPLY AFTER A PERSOD OF O SECONES, THE STANDSY FUND WILL START. THE PREHEAT COIL PUMPS WILL OPERATE BELOW 50°F OUTSIDE AIR TEMPERATURE AND WILL BE COATED ACCOUNT IN THE REMEDIA TO CHILD PROPECTION TYPE THERMOSTAY WILL BE LOCATED ACCOSS THE HALT SIDE OF THE COLING COIL VALVE, AND THE MAKE-UP AIR UNIT SUPPLY PAN, CLOSE THE OUTDOOR AIR INTERES DAMPER, OPEN THE PREHEAT COIL VALVE, AND THE MERCHANGE OFLY FAN, CLOSE THE OUTDOOR AIR INTERES DAMPER, OPEN THE PREHEAT COIL WALVE, AND THE MERCHANGE SOFT ON THE LEAVE AND THE MERCHANGE SOFT ON THE MERCHANGE SOFT ON THE MERCHANGE SOFT ON THE PREHEAT COIL SAND. SET THE OUTDOOR AIR INTERES. ONE PREEZE PROPECTION THE EVENT INCOMING AIR TEMPERATURE SHALL PAIL PAIL BELOW 35°F, ADJUSTABLE, ONE PREEZE PROPECTION THE EVENT INCOMING AIR TEMPERATURE SHALL PAIL DELOW 35°F, ADJUSTABLE, ONE PREEZE PROPECTION THE SHALL SYSTEM OF SOFT DAMPER, OF COLL WARD THE PRIEMAN'S CONTROL PANEL, SYSTEM TO ENAME. SHOULD DAMPER AND THE SHEAD. TO THE SHEAT DAMPER AND THE SHEAT DAMPER AND THE SHEAT DAMPER AND THE SHEAT DAMPER. OF THE OUTDOOR AIR INCOMING OF THE AIR DAMPER DAMPER. OF T

COMPANY COMPANY Louisville Branch

GENERAL NOTES AND EQUIPMENT SCHEDULE

EL UNIT HOT WATER TEMPERATURE CONTROL

SER TEMPERATURE BEING SUPPLIED TO THE FAN COIL UNIT SYSTEM IN THE CHILLED-HOT WATER SUPPLY PIPE

MAINTAINED BY A PROPORTIONING 2-WAY HOT WATER CONTROL VALVE IN THE HOT WATER SUPPLY LINE AND

MOUNTED RESET CONTROL VALVE IN THE HOT WATER RETURN LINE. HOT WATER TEMPERATURE WILL

INDOR AIR. TEMPERATURE LIMITS WILL BE PROVIDED SO THAT THE DISCHARGE TEMPERATURE CANNOT EXCEED

RESET SCHEDULE AS FOLIOWS:

MATER TEMPERATURE

100°F

130°F

130°F

130°F

LUNIT SYSTEM CHANGEOVER CONTROL

WILL BE ACCOMPLISHED BY POSITIONING A CHILLED WATER VALVE IN THE CHILLED WATER SERVING THE FAN COIL UNIT

WILL BE ACCOMPLISHED BY POSITIONING A CHILLED WATER VALVE IN THE CHILLED WATER SUPPLY

LID WHER VALVE IN THE CHILLED WATER ACTIONAL LINE AND THE HOT WATER VALVE IN THE HOT WATER SUPPLY

DO THE HOT WATER VALVE IN THE HOT WATER VALVES WILL BE CLOSED AND A DEADBAND WILL EXIST BEFORE THE HOT WATER ARE ALLOWED TO OPEN. THE HOT WATER VALVES WILL BE CLOSED FOR CHANGEOVER, A DEADBAND WILL THEN

REFORE THE CHILLED WATER AT 40°C OUTSIDE TEMPERATURE. BOTH SET TO CHANGE OVER TO HOT WATER AT 35°F

FOR CHILLED WATER AT 40°C OUTSIDE TEMPERATURE. BOTH SET POINTS WILL BE ADJUSTABLE FOR CHANGE

HOT WATER AND CHANGE OVER TO CHILLED WATER. A DEAD BAND OF 5 DEGREES OFF OUTSIDE TEMPERATURE.

HOT WATER AND CHANGE OVER TO CHILLED WATER. A DEAD BAND OF 5 DEGREES OFF OUTSIDE TEMPERATURE

LHOT WATER PUMP CONTROL

LLED-HOT WATER PUMP CONTROL

LLED-HOT WATER PUMPS WILL RUN CONTINUOUSLY. THERE WILL BE A WAIN PUMP AND A STANDEY PUMP. IN

NOT OF MAIN PUMP FAILURE, AS SENSED BY A FLOW SWITCH IN THE COMMON DISCHARGE OF THE TWO PUMPS,

NUDBY PUMP SHALL BE INITIATED AFTER 60 SECONDS OF NO FLOW OPERATION.

L DUCT SYSTEM

QUIPMENT TO ENABLE SYSTEM TO AUTOMATICALLY GO TO FIRE MODE DOWN UPON ACTUATION OF FIRE,
FIRE STAT IN RETURN AIR SYSTEM, OR FROM MANUAL OPERATION OF FIREMAN'S CONTROL PANEL.

BE CAPABLE OF BEING PLACED IN FIRE MODE OPERATION, FROM THE FIREMAN'S CONTROL PANEL. IN

DN THE SUPPLY FAN SHALL SHUT DOWN, THE EXHAUST FAN WILL SHUT DOWN, THE OUTSIDE AIR AND

AMPERS WILL CLOSE AND THE EXHAUSE DAMPER WILL CLOSE, FIRE MODE OPERATION WILL OVERRIDE
PERATING CONTROLS.

ONTROL SEQUENCE

MODULATES HOT WATER FLOW TO CONTROL A CONSTANT POOL RETURN WATER TEMPERATURE (80°F, 95°F WHIRLPOOL, ADJUSTABLE). A HIGH LIMIT STAT IN THE SUPPLY WATER OVERRIDES CONTROURED FROM EXCEEDING SETPOINT (95°F SWIMMING POOL, 107°F JUSTABLE).

AND CABINET UNIT HEATERS

ERATURE CONTROLS IN AREAS B-4 AND B-5 OF THE CAPITOL PLAZA COMPLEX
STAT WILL CONTROL THE RELOCATED DUAL DUCT BOXES AS REQUIRED TO MAINTAIN

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