


### GENERAL NOTES

1. THE MECHANICAL CONTRACTOR SHALL COORDINATE LOCATION AND ROUTING OF HVAC EQUIPMENT AND DUCTWORK WITH ALL OTHER TRADES PRIOR TO BEGINNING WORK.
2. THE MECHANICAL CONTRACTOR SHALL VERIFY LOCATION OF ALL ROOF MOUNTED EQUIPMENT AND ROOF PENETRATIONS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO BEGINNING WORK.
3. ALL DUCTWORK SHALL BE SUSPENDED FROM STRUCTURE ABOVE.
4. DUCT AND PLENUM SIZES SHOWN ARE THE NET DIMENSIONS INSIDE OF THE INSULATION.
5. VERIFY LOCATION AND COORDINATE FRAME AND BORDER TYPE REQUIREMENTS FOR AIR DEVICES WITH ARCHITECTURAL CEILING PLANS PRIOR TO ORDERING.
6. VERIFY LOCATION OF ALL THERMOSTATS WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE AN INSULATED SUBBASE FOR ALL THERMOSTATS MOUNTED ON AN EXTERIOR WALL AND MOUNT THERMOSTATS IN ACCORDANCE WITH ADA STANDARDS.
7. ACCESS DOORS ARE REQUIRED FOR ALL DAMPERS, ETC. INSTALLED ABOVE INACCESSIBLE CEILING. COORDINATE EXACT LOCATION OF ALL ACCESS DOORS WITH ARCHITECT PRIOR TO INSTALLATION. KEEP ACCESS DOORS CLEAR OF ALL PIPING, CONDUIT, ETC.
8. REFER TO PLUMBING PLANS FOR SIZES AND ROUTING OF CONDENSATE DRAINS.

### SHEET NOTES

- 1 MOUNT GAS PACKAGE UNIT ON ROOF PER MANUFACTURER'S RECOMMENDATIONS.
- 2 MOUNT EXHAUST FAN ON ROOF PER MANUFACTURER'S RECOMMENDATIONS.
- 3 GREENHECK MODEL NO. EAC-401, 24"(W)X18"(H) COMBINATION LOUVER/ DAMPER WITH CONCEALED MP-2985 ELECTRIC ACTUATOR, (120V, 1PH, 0.380 AMPS) WITH INSECT SCREEN AND 0.71 SQ. FT. MINIMUM NET FREE AREA. MOUNT LOUVER IN WALL AT 36" ABOVE FINISHED GRADE. ELECTRICAL CONTRACTOR SHALL INTERLOCK ELECTRIC ACTUATOR WITH EACH KILN AND THE EVAPORATIVE COOLER SO THAT THE LOUVER OPENS WHEN ANY KILN IS FIRED AND/ OR THE EVAPORATIVE COOLER IS OPERATING. VERIFY STRUCTURAL REQUIREMENTS FOR NEW OPENING SIZE WITH STRUCTURAL ENGINEER PRIOR TO BEGINNING WORK.
- 4 32"x24" SUPPLY AIR & RETURN AIR DUCTS DOWN THRU ROOF.
- 5 18"x18" SUPPLY AIR & RETURN AIR DUCTS DOWN THRU ROOF.
- 6 18"x18" SUPPLY AIR & RETURN AIR DUCTS DOWN THRU ROOF.
- 7 14"x14" SUPPLY AIR & RETURN AIR DUCTS DOWN THRU ROOF.
- 8 20"x20" SUPPLY AIR & RETURN AIR DUCTS DOWN THRU ROOF.
- 9 MOUNT FAN COIL UNIT ON WALL PER MANUFACTURER'S RECOMMENDATIONS.
- 10 MOUNT CONDENSING UNIT ON ROOF PER MANUFACTURER'S RECOMMENDATIONS.
- 11 SIZE AND ROUTE INSULATED REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS.
- 12 10"x10" EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN.
- 13 12"x12" EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN.
- 14 ROUTE 4" RIGID SHEET METAL VENT UP THRU ROOF PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ROOF DISCHARGE HOOD.
- 15 MOUNT EVAPORATIVE COOLER ON ANGLE IRON STAND ON CONCRETE PAD PER MANUFACTURER'S RECOMMENDATIONS. UNIT SHALL BE MOUNTED 6" MINIMUM ABOVE CONCRETE PAD.
- 16 CONNECT 4" RIGID SHEET METAL VENT TO 4" ENVIRONMENT DOWN DRAFT VENTILATION SYSTEM SUPPLIED BY KILN MANUFACTURER.
- 17 6"x6" EXHAUST DUCT UP THRU ROOF TO EXHAUST FAN.
- 18 REMOVE EXISTING BRICK VENT IN WALL AND REPLACE WITH GREENHECK MODEL NO. EDK-402, 48"(W)X36"(H) RELIEF LOUVER WITH GRAVITY OPERATED BACKDRAFT DAMPER, WITH INSECT SCREEN AND 6.15 SQ. FT. MINIMUM NET FREE AREA. VERIFY STRUCTURAL REQUIREMENTS FOR NEW OPENING SIZE WITH STRUCTURAL ENGINEER PRIOR TO BEGINNING WORK.
- 19 REMOVE EXISTING FIRE DAMPER AND INSTALL EXISTING RELOCATED SMOKE/FIRE DAMPER.
- 20 REMOVE AND RELOCATE EXISTING SMOKE/FIRE DAMPER WHERE INDICATED.

5/20/06 HVAC PLAN  
SCALE: 1/8" = 1' - 0"



OWNER: CITY OF LAS VEGAS  
DEPARTMENT OF PUBLIC WORKS  
ARCHITECTURAL SERVICES

PROJECT NO. 2020A.00  
DATE: 08/02/06  
CHECKED BY: R.L. HARRIS  
DRAWN BY: S.J. BALDWIN

DATE: August 2, 2001  
SCALE: 1/8" = 1'-0"  
SHEET NO: 01-15301-22  
CITY DRAWING: 521-268

**M2.02**

CONTRACTOR: JMA ARCHITECTURE STUDIOS  
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