



## REFRIGERATION PLANS CHECKLIST

333 North Rancho Drive, Las Vegas NV 89106-3703

Phone: (702) 229-6251 Fax: (702) 382-1240

### The following information is required on refrigeration plans submitted to the City of Las Vegas Building Department:

- 1. The refrigeration plans must be drawn to scale on substantial paper whose sheets shall be of ***uniform size*** not to exceed 42x30 inches in size. The plans and specifications shall be of sufficient clarity to indicate the location, nature, and extent of work proposed and to show in detail that the work will conform to the provisions of the technical codes and all relevant laws, ordinances, rules, and regulations. (The City of Las Vegas Administrative Code Ordinance No. 302.3)
- 2. Plans must be drawn by a Nevada State Registered Architect or Engineer, or Nevada State Licensed Contractor where used for his own work. The architect and/or engineer is responsible for the design and shall stamp and sign each sheet submitted. If plans are performed by a licensed contractor, the plans shall be so identified and signed. The State of Nevada Contractors Board Owner/Builder exemption is not permitted for commercial projects
- 3. A complete material and equipment schedule, including the equipment make, model, compressor horsepower, equipment weight, refrigerant types, and quantities of refrigerant in each system, etc.
- 4. Provide cut sheets for all equipment.
- 5. Mounting details for all roof-mounted equipment.
- 6. Floor plan showing the location of all equipment and piping. Roof plan showing the location of all racks and condensers.
- 7. Plans for all freezers and coolers. If a rack or racks are used, provide complete plans.
- 8. Plans must show the location of all coils and condensate lines, including freeze protection.
- 9. Plans must provide calculations showing conformance with 2012 UMC 1105.2 for all applicable rooms and spaces.
- 10. If refrigerated process or storage areas are not exempt from the quantities of Table 11-1, they must conform to 2012 UMC 1105.3 and the 2012 IBC Section 1015.4:
  - a. Each room or space over 1000 square feet must have 2 exits or exit access doors.
  - b. All portions of the room or space must be within 150 feet of an exit or exit access doorway. Increased travel distance must conform to 2012 IBC Section 1016.1.
  - c. The room or space must have a vapor detection and alarm system.
  - d. The room or space must be sealed from all other portions of the building.
- 11. If a refrigeration machinery room is required, it must conform to all the requirements of the 2012 UMC Chapter 11, and plans must demonstrate compliance.

**Plans drawn in pencil or ink or with colored highlighting are not acceptable**