1. Provide dedicated storage location of medical gas containers without other storage or uses. **IFC 3006.2**

2. Provide a 1-hour exterior room enclosure separated from the rest of the building when medical gas quantities are greater than the permitted amount. **IFC 3006.2**
   a. If there are openings between the room or enclosure and the interior spaces. Provide self-closing smoke and draft assemblies having a fire protection rating of not less than one hour.
   b. Provide a minimum of one exterior wall that will have not less than two (2) 36 square inch vents.
   c. Show vent locations to be one at 6 inches off the floor and the other at 6 inches off the ceiling.
   d. Provide at least one fire sprinkler head within this room (If sprinklers are required).

3. Provide a 1-hour interior room when medical gas quantities are greater than the permitted amount **(IFC 3006.2.2)**.
   a. If an exterior wall cannot be provided for the room provide automatic sprinklers within the room (If fire sprinklers are required).
   b. Provide a duct to the exterior for this storage room.
   c. Provide makeup air to this room from the exterior.
   d. Provide a one-hour shaft enclosure for both separate air streams (items b and c).
   e. Mechanical ventilation shall be in accordance with the Mechanical code providing a minimum rate of 1 cubic foot per minute per square foot of the area of the room.

4. Gas cabinets shall be in accordance with the following **(IFC 3006.2.3 AND 2703.8.6.2)**:
   a. Operated at a negative pressure in relation to surrounding area **(IFC 2703.8.6.2)**.
   b. Provided with a self-closing limited-access ports or noncombustible windows to give access to equipment controls. **(IFC 2703.8.6.1)**
   c. Connected to an exhaust system. **(2703.8.6.1) (IFC 3006.2.3 #2)**
   d. Provide a self-closing door. **(IFC 2703.8.6.1)**
   e. Constructed of not less then 12 gage steel. **(IFC 2703.8.6.1)**
   f. Internally sprinklered. **(IFC 3006.2.3 #3)**

5. Specify on plans level and type of medical gas system is per NFPA 99/3.390 THRU 3.395.

**MEDICAL GAS INSTALLATION SHALL MEET ALL REQUIRED FIRE CODE SECTIONS ABOVE AS WELL AS NFPA 99 STANDARDS WITH ALL SUBSECTIONS.**