This checklist is to be used as a guide when preparing plans for medical gas installations. Note: All references were taken from the 2018 Mesa Fire Code and NFPA 99.

1. Complete the attached Hazardous Material Inventory Statement (H.M.I.S.) for all compressed gases, if classified as hazardous gases. IFC 5001.5.2
2. Provide dedicated storage location of medical gas containers without other storage or uses. IFC 5306.2
3. 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 5306.2.
4. Openings between the room or enclosure and interior spaces shall be self-closing smoke- and draft-control assemblies having a fire protection rating of not less than one hour. IFC 5306.2.1
5. Provide a minimum of one exterior wall that will have not less than two (2) 36 square inch vents for each 1,000 cubic feet. IFC 5306.2.1
6. Show vent locations. One is to be within 6 inches of the floor and the other within 6 inches of the ceiling. IFC 5306.2.1
7. Provide at least one fire sprinkler head within this room. IFC 5306.2.1
8. Where an exterior wall cannot be provided for the room, a 1-hour interior room or enclosure shall be provided and separated from the remainder of the building when medical gas quantities are greater than the permitted amount. IFC 5306.2.2
9. An automatic sprinkler system shall be installed within the room. IFC 5306.2.2
10. Provide a duct to the exterior for this room. IFC 5306.2.2
11. Provide mechanical ventilation complying with the 2018 International Mechanical Code, providing a minimum rate of 1 cubic foot per minute per square foot of the area of the room. IFC 5306.2.2
12. Supply and exhaust ducts shall be enclosed in a 1-hour-rated shaft enclosure from the room to the exterior. IFC 5306.2.2
13. Gas cabinets shall be constructed in accordance with IFC 5003.8.6 and shall comply with the following:
   a. Ventilation systems shall be designed to operate at a negative pressure in relation to surrounding area. IFC 5003.8.6.2
   b. Exhausted to the exterior through dedicated exhaust duct system installed in accordance with Chapter 5 of the International Mechanical Code. IFC 5306.2.3 #1
   c. Provide a self-closing door. IFC 5003.8.7.1 #1
   d. Constructed of not less than 18 gage steel. IFC 5003.8.7.1 #1
   e. Provided with an automatic sprinkler system. IFC 5306.2.3 #3

14. Attached form and Medical Gas Installation Certificate must be filled out and given to Building Inspections before the C of O is issued. 2018 NFPA 99 Section 5.1.12.1 and sub-sections

15. Specify on plans the level and type of medical gas system is per NFPA 99, 3.3.90 thru 3.3.95

16. Medical Gas Installation shall meet all required fire code sections above as well as the 2018 NFPA 99 Standards with all sub-sections.