MEDICAL GAS / VACUUM PIPING DOCUMENTATION FORM

Job Address and Bldg/Suite #/Room #__________________________________________________________

Name of Business at Job Address____________________________________________________________________

Type of Work ____ Repair ____ New Construction ____ Remodel ____ Addition

Name of Master Medical Licensee____________________________________________________________________

Master Medical License Number ______________________________________________________________________

Medical Gas Permit Number _________________________________________________________________________

Medical Gas piping System:  ____ Level 1
____ Level 2
____ Level 3
____ Level 4

Type of Medical Gas Piping:  ____ Type K (Green Markings)
____ Type L (Blue Markings)

Hard drawn Copper tubing ASTM 819 Specifications  ____ (Yes)___ (No)

Identifying Markings:  ____ OXY
____ MED
____ OXY/MED
____ OXY/ACR
____ ACR/MED

Piping Joints:  ____ Threaded Joints
____ Brazed Joints

1. Medical Gas piping has had ends capped prior to installation of piping.
   ____ Yes ___ No

2. Threaded joints limited to connection of pressure gages, alarm pressure switches and similar devices.
   ____ Yes ___ No

3. Threads on fittings and piping are tapered threads complying with ANSI B1.20.1 Standard.
   ____ Yes ___ No

4. Threaded joints in piping system made up with polytetrafluoroethylene tape (such as Telefon tape) or
   other thread sealant suitable for oxygen service. Sealant applied to male threads only.
   ____ Yes ___ No

5. Brazed joints are socket type fittings. Brazing filler materials comply with ANSI/AWS A.5
   Specifications.
6. Piping was continuously purged with oil-free nitrogen during the brazing process and was maintained until the joint was cool to the touch.  
   ____Yes ____No

7. Medical gas piping has been tested at 150 PSI for 24 hours.  
   ____Yes ____No

8. Brazed joints found defective has not been repaired more than one time.  
   ____Yes ____No

9. Medical Gas piping after repairs to defective joints have been tested at 150 PSI for 24 hours.  
   ____Yes ____No

10. Medical gas piping is supported with supports and hangers as required by NFPA 99C, 1999 Edition for piping sizes and spacing of hangers.  
    ____Yes ____No

11. Master and area alarms have been installed in accordance Manufacturer’s installation instructions and to NFPA 99 C, 1999 Edition.  
    ____Yes ____No

12. All valves, piping, stations have been labeled and tagged in accordance with NFPA 99 C.  
    ____Yes ____No

13. Cross connections exist in medical gas piping system or with any other piping system.  
    ____Yes ____No

14. All fittings, valves and components of Medical Gas piping system are compatible with medical gases of the system.  
    ____Yes ____No

15. Medical gas piping has been purged to remove all particulate matter in the pipelines.  
    ____Yes ____No

16. Medical gas piping is designed and sized to deliver the required flow rates at the utilization pressures.  
    ____Yes ____No

17. Vacuum Piping System:  
    ____ Level 1  
    ____ Level 2  
    ____ Level 3  
    ____ Level 4

18. Type of Vacuum Piping: Copper Water Tube (ASTM B88):  
    ____ Type K  
    ____ Type L  
    ____ Type M

19. Tube Type:  
    ____ Copper ACR Tube (ASTM B 280)  
    ____ Copper Medical Gas Tube (ASTM B 819)  
    ____ Stainless Steel Tube  
    ____ Galvanized Steel Tube

20. Copper Tube: Hard drawn temper  
    ____Yes ____No
21. Piping Joints:  
   _____ Threaded Joints
   ____ Flanged
   _____ Brazed Joints
   ____ Welded
   ____ Soldered

22. Vacuum piping has had ends capped prior to installation of piping.  
   ____ Yes ____ No

23. Threads on fittings and piping are tapered threads complying with ANSI B1.20.1 Standard.  
   ____ Yes ____ No

24. Solder metal contains less than 0.2 percent lead.  
   ____ Yes ____ No

   ____ Yes ____ No

26. Mains, branches and individual drops to stations sized in accordance with NFPA 99 C, 1999 Edition  
   ____ Yes ____ No

27. Vacuum piping is supported with supports and hangers as required by NFPA 99C, 1999 Edition for piping sizes and spacing of hangers.  
   ____ Yes ____ No

28. Copper tube fittings for copper tube pressure-rated copper, brass, or bronze made especially for soldering or brazing.  
   ____ Yes ____ No

29. Mechanically formed branch connections used and made in accordance with manufacturer’s instructions.  
   ____ Yes ____ No

30. Mechanically formed branch connections brazed.  
   ____ Yes ____ No

   ____ Yes ____ No

32. Master and area alarms have been installed in accordance Manufacturer’s installation instructions and to NFPA 99 C, 1999 Edition.  
   ____ Yes ____ No

   ____ Yes ____ No

34. Cross connections exist in vacuum system or with any other piping system.  
   ____ Yes ____ No

35. Vacuum piping system tested with not less than 150 PSI with oil-free, dry nitrogen for 24 hours.  
   ____ Yes ____ No

36. Defective joints have not been repaired more than two times and retest at 150 PSI for 24 hours.  
   ____ Yes ____ No
37. All fittings, valves and components of Vacuum piping system are compatible with vacuum piping of the system.  

_____ Yes  _____ No

38. Medical gas piping has been purged to remove all particulate matter in the pipelines.  

_____ Yes  _____ No

The Medical Gas and Vacuum piping installation at this premise has been installed in accordance with NFPA 99 C, 1999 Edition.

__________________________________________                                      ________________________________  
Signature of Master Medical Gas Licensee                                                         Date

__________________________________________  
Printed Name of Master Medical Gas License