1. **Specifications**

   - **General**
     - All components shall be in accordance with NFPA 13, 1991, including mechanical interconnects and system interconnection details.

2. **System Components**

   - **Nitrogen Generator Module**
     - The nitrogen generator module shall be sized to comply with the maximum 30 minute volume (in gallons) required by NFPA 13 for the sprinkler piping network connected to the system.

3. **Nitrogen Separator Membrane**

   - A nitrogen separator membrane shall be incorporated to facilitate long service life. The module shall be equipped with bypass systems and designed for proper flow through the membrane.

4. **Air Drying Systems**

   - Air drying systems shall be provided to dry the nitrogen separator membrane to ensure proper operation of the system.

5. **Regulated Systems**

   - Regulated systems shall be provided to maintain the nitrogen purity within the system.

6. **System Assembly**

   - Each assembly shall be properly sized and designed for proper flow through the membrane.

7. **Compressor**

   - The compressor shall be equipped with a nitrogen separator membrane to facilitate long service life.

8. **Ventilation**

   - Ventilation systems shall be provided to ventilate the nitrogen separator membrane to ensure proper operation of the system.

9. **System Components**

   - System components shall be properly sized and designed for proper flow through the membrane.

10. **System Interconnections**

    - System interconnections shall be properly designed and sized for proper flow through the membrane.

11. **System Testing**

    - System testing shall be performed to ensure proper operation of the system.

12. **System Commissioning**

    - System commissioning shall be performed to ensure proper operation of the system.

13. **System Maintenance**

    - System maintenance shall be performed to ensure proper operation of the system.

14. **System Replacement**

    - System replacement shall be performed to ensure proper operation of the system.

15. **System Inspection**

    - System inspection shall be performed to ensure proper operation of the system.

16. **System Approval**

    - System approval shall be performed to ensure proper operation of the system.

17. **System Operation**

    - System operation shall be performed to ensure proper operation of the system.

18. **System Monitoring**

    - System monitoring shall be performed to ensure proper operation of the system.

19. **System Documentation**

    - System documentation shall be performed to ensure proper operation of the system.

20. **System Reporting**

    - System reporting shall be performed to ensure proper operation of the system.

21. **System Certification**

    - System certification shall be performed to ensure proper operation of the system.

22. **System Approval**

    - System approval shall be performed to ensure proper operation of the system.

23. **System Maintenance**

    - System maintenance shall be performed to ensure proper operation of the system.

24. **System Testing**

    - System testing shall be performed to ensure proper operation of the system.

25. **System Commissioning**

    - System commissioning shall be performed to ensure proper operation of the system.

26. **System Replacement**

    - System replacement shall be performed to ensure proper operation of the system.

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28. **System Operation**

    - System operation shall be performed to ensure proper operation of the system.

29. **System Monitoring**

    - System monitoring shall be performed to ensure proper operation of the system.

30. **System Documentation**

    - System documentation shall be performed to ensure proper operation of the system.

31. **System Reporting**

    - System reporting shall be performed to ensure proper operation of the system.

32. **System Certification**

    - System certification shall be performed to ensure proper operation of the system.

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    - System reporting shall be performed to ensure proper operation of the system.

42. **System Certification**

    - System certification shall be performed to ensure proper operation of the system.

43. **System Approval**

    - System approval shall be performed to ensure proper operation of the system.