

Clean Room Questionnaire

In order to prepare an estimate for clean room construction, we need the following information:

1. Please provide material and finish specifications for any of the following items required: sheet vinyl flooring, repainting of walls with epoxy paint (or metal/plastic wall panels), vinyl faced ceiling tiles, gasketed grid and/or clips, clean room rated lights, etc.
2. How many HEPA filters are required for the clean room? Are HEPA filters required for the support spaces as well?
3. Will equipment planned for the support spaces generate heat that will require cooling? This may affect the size of the HVA/C units. Please provide the total heat load in the clean room.
4. Please diagram the planned supply and return air system with percentages of air desired to travel each route. How much negative pressure in the clean room?
5. Please provide “certified class (100; 1,000; 10,000; 100,000) clean room” performance criteria.
6. Who will conduct the test for clean room certification and when will it be done?
7. Is humidification or humidity control required? If so what percentage RH at what tolerance?
8. Are surface mounted, painted steel return air risers acceptable for additional low wall returns in the clean room and support rooms?
9. What are the exact specifications for the HEPA filters? Manufacturer, model number, CFM airflow, filter efficiency, variable speed features, pre-filter, replaceable cartridge, etc.
10. Please provide the exhaust CFM for all systems in the clean room.
11. Please locate any hoods and specify electrical and plumbing services on each hood.
12. What type and extent of electrical distribution is required for the clean room or support rooms?
13. What type and extent of specialized plumbing and piping (air, water, DI water, vacuum, nitrogen) distribution is required for the clean room or support rooms?
14. Please describe any HEPA filter special controls.
15. Is a humidity, temperature or pressure recorder required?
16. Are specialized sprinkler or fire protection systems (such as FM-200) required?
17. Are any color filters required on light lenses or windows?
18. Are any hazardous materials (silane, arsenic, hydrogen, heavy metals, etc.) planned for use and or storage in the clean room and support rooms?
19. Please provide specifications and installation information for airlock air shower.
20. Please provide specifications and installation information for airlock door interlock.
21. Do all doors require electric interlocks?