

**Manufacturers & Distributors of Contamination Control  
Enclosures, Equipment & Supplies**

**FACILITY PLANNER**

DATE

NAME

TITLE

ADDRESS

CITY

STATE

ZIP

PHONE

FAX

E-MAIL

PROJECT

LOCATION

START DATE

END DATE

**Class**  
*(Room Particle Classification Based on Federal Standard 209)*

- 1       10  
 100     1,000  
 10,000    100,000

**Air Flow**

- Uni Directional Flow (Laminar Flow)  
 Non-Uni Directional Flow

**Size** *(Total Area L x W)*

Existing Area Dimensions

L: \_\_\_\_\_ W: \_\_\_\_\_ H: \_\_\_\_\_  
 Total \_\_\_\_\_  Feet  Meters  
 Clean Room / Area Dimensions  
 L: \_\_\_\_\_ W: \_\_\_\_\_ H: \_\_\_\_\_  
 Total \_\_\_\_\_  Feet  Meters

**Humidity**

\_\_\_\_\_ % Required Humidity Level  
 \_\_\_\_\_ % Acceptable Range Plus / Minus

**Temperature Range**

Required Room Temperature

\_\_\_\_\_  F°  C°  
 Acceptable Range Plus/Minus  
 \_\_\_\_\_  F°  C°

**Internal Heat Loads**

Process Loads  
 \_\_\_\_\_  BTU  KwH  
 \_\_\_\_\_ Typical No. of Persons  
 \_\_\_\_\_ Maximum No. of Persons

**Exhaust** *(List Individual Equipment Requirements on Space Data Sheets)*

Maximum Concurrent Exhaust Air Volume \_\_\_\_\_  CFM  CMS

**Lighting** *(Total Area L x W)*

Level

\_\_\_\_\_  FC  LUX  
 Special Areas *(Identify Location on Floor Plan)*  
 \_\_\_\_\_  FC  LUX

**Color**

- White       Colored Lamps  
 Yellow       Lampshields  
 Photo Red    Other

**Process Heat**

*(Total Area L x W)*

Existing Area Dimensions

\_\_\_\_\_ Maximum Process Heat, BTU  
 \_\_\_\_\_ Power Consumption, Kw  
 Process Equipment Matrix Attached  
 Diversity Factor (DF), if applicable  
 (DF=% of Equipment Loads Operating Concurrently)

ed

**Shielding**

Maximum Electromagnetic Interference (EMI)  
 Required  Not Required

**Fire Protection**

**Central Housekeeping Vacuum**  
*(Indicate location on floor plan)*  
 Required  Not Required

**Fire/Smoke Alarms** *(Audible Standard)*

- Required  Not Required  
 Visual on Control Panel  
 Interrupt Main HVAC System  
 Automatic Sprinkler System

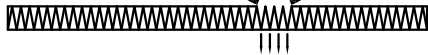
**Duct Work**

- Plenum Supply, Ducted Return  
 Ducted Supply, Plenum Return  
 Ducted Supply and Return  
 Prefabricated Tunnels  
 Stainless Steel Required  
 Leak Proof Required  
 Other

**Control System**

- Standard  DDC  
 Expanded Graphics System  
 Out-of-Tolerance Alarm  
 Hardcopy Report Generation  
 Automatic Permanent Data Recording

# CLEAN ROOM DEPOT



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## FACILITY PLANNER

Date: \_\_\_\_\_

Company Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Tel: \_\_\_\_\_

Project: \_\_\_\_\_

Shipping Date: \_\_\_\_\_

### Utilities (Specify on Space Data Sheet)

Utility	Distribution	Piping Material
Compressed Air	<input type="checkbox"/>	<input type="checkbox"/>
Carbon Dioxide	<input type="checkbox"/>	<input type="checkbox"/>
Cup Sink	<input type="checkbox"/>	<input type="checkbox"/>
Cold Water	<input type="checkbox"/>	<input type="checkbox"/>
Deionized Water	<input type="checkbox"/>	<input type="checkbox"/>
Distilled Water	<input type="checkbox"/>	<input type="checkbox"/>
Eyewash	<input type="checkbox"/>	<input type="checkbox"/>
Natural Gas	<input type="checkbox"/>	<input type="checkbox"/>
Helium	<input type="checkbox"/>	<input type="checkbox"/>
House Nitrogen	<input type="checkbox"/>	<input type="checkbox"/>
Hot Water	<input type="checkbox"/>	<input type="checkbox"/>
Intercom	<input type="checkbox"/>	<input type="checkbox"/>
Steam	<input type="checkbox"/>	<input type="checkbox"/>
Telephone & Data	<input type="checkbox"/>	<input type="checkbox"/>
Vacuum	<input type="checkbox"/>	<input type="checkbox"/>
Water for Injection	<input type="checkbox"/>	<input type="checkbox"/>
Special Gas	<input type="checkbox"/>	<input type="checkbox"/>

### Process Vacuum

\_\_\_\_\_ Pressure, Hg In  
\_\_\_\_\_ Volume,  CFM  CMS  
Redundancy  Required  Not Required

### Clean Dry Air

\_\_\_\_\_ Pressure, Hg In  
\_\_\_\_\_ Volume,  CFM  CMS  
Redundancy  Required  Not Required  
\_\_\_\_\_ Dew Point,  °F  °C  
Direct contact with product?  
 Yes  No  
Compressor  Oilless  Oilfree

### Deionized Water System

\_\_\_\_\_ Resistivity Megohm  
\_\_\_\_\_ Volume Make-Up  
 GPM  LPM  
\_\_\_\_\_ Recirculating Loop  
 GPM  LPM  
\_\_\_\_\_ Storage  
 Gallons  Liters  
Point-of-Use-Filtration  Required  Not Required  
Stand-by Pumps  Required  Not Required  
Regeneration Skid Unit  Required  Not Required  
Continuous Recorder / Monitor  Required  Not Required

### Piping Material

PVDF  
 Polypropylene  
 Teflon (purbond)  
Other \_\_\_\_\_

### UV Sterilization

Required  Not Required

### Reclaim System

Required  Not Required

### Redundancy (Check All Applicable)

Multimedia  Final Polishers  
 Carbon Filtration  Final Filters  
 Water Softeners  UV Sterilizers  
 Demineralizers

### Process Chilled Water

\_\_\_\_\_ Temperature,  °F  °C  
\_\_\_\_\_ Volume  GPM  LPM  
\_\_\_\_\_ Total BTU

### Stand-by Piping

Required  Not Required

### In-line Filtration

Required  Not Required

### High Purity Gas Requirements

#### Valves / Fitting

Valve Type \_\_\_\_\_

End Connections \_\_\_\_\_

Notes \_\_\_\_\_

### Piping

#### Material

316: S.S. Tubing  
 Other \_\_\_\_\_

#### Finish

Low Microinch  
 Electropolished with Low Microinch  
 Other \_\_\_\_\_

### Point-of-use Services (Check as required)

Gas Filter  
 High Purity Water Filters  
 Regulators  
 Flow Meters / Monitors  
 Disconnect Switches

### Hazardous Gas Monitoring Systems (Check as required)

Point-of-Use Sensors  
 Gas cabinets Sensors  
 Battery Back-up  
 Calibration and Test Kit

### Automatic Tube Welder

Required On-site  
 Not Required After Installation

### Exhaust

#### Scrubbing

Required \_\_\_\_\_  
 CFM  CMS

Not Required

#### PH Alarms & Monitors

Required  Not Required

#### Exhaust Duct Material

FRP  
 PVC  
 Stainless Steel  
 Galvanized  
 PVS, Galvanized with Vinyl Line  
 Polypropylene  
 Other \_\_\_\_\_

#### Status Lights & Alarm

Required  Not Required

### Waste Treatment

#### Volume

Solvents \_\_\_\_\_  
 GPM  LPM

Acid / Base \_\_\_\_\_  
 GPM  LPM

Arsenic Removal  
 Yes  No

Heavy Metal Removal  
 Yes  No

Other \_\_\_\_\_

#### Methods

Hauling.  
 Treatment.  
 Hauling and Treatment.

### Permits / Regulations

#### Exhaust System

Discharge Permits Secured by Owner.  
 Permit Applies to Maximum Total Volume of Effluent.  
 Continuous Recording/ Monitoring of Discharge Required.

#### Waste Removal / Treatment

Discharge Permits Secured by Owner.  
 Permit Applies to maximum Total Volume of Effluent.  
 Continuous Recording/ Monitoring of Discharge Required.

Storage Tanks Required by Ordinance.

Other Applicable Regulations \_\_\_\_\_

Clean Room Depot, Inc. 1730 Church Street, Holbrook NY 11741

Phone: 1-877-269-6759, (631) 589-3033 Fax: (631) 589-3633

E-mail: [mysales@cleanroomdepot.com](mailto:mysales@cleanroomdepot.com)

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**Plant Utilities****Surrounding Environment**Temperature Range  °F  °C

Outside

\_\_\_\_\_ Low (Winter)

\_\_\_\_\_ High (Summer)

Plant Ambient

\_\_\_\_\_ Low (Winter)

\_\_\_\_\_ High (Summer)

**Humidity**

Outside

\_\_\_\_\_ Low %

\_\_\_\_\_ High %

Plant Ambient

\_\_\_\_\_ Low %

\_\_\_\_\_ High%

**Make-Up Air Source** Inside Plant  Outside Plant**Altitude**

\_\_\_\_\_ Feet Above Sea Level

**Services****Plant Steam** Available, \_\_\_\_\_ PSI Not Available**Clean Steam** Available, \_\_\_\_\_ PSI Not Available**Hot Water** Available, \_\_\_\_\_  °F  °C Not Available**Electric** Available, \_\_\_\_\_ Volts

\_\_\_\_\_ Phase

 Not Available

Distance from Clean Room site to main electrical distribution panels: \_\_\_\_\_ ft.

**Special Lighting Voltage** Required, \_\_\_\_\_ Volts Not Required**Fire Protection** Wet Sprinkler System Dry Sprinkler System Not Available**General****Use of Union Personnel** Required Not Required**Payment Performance Bonding** Required Not Required**Permits and / or Fees** Required Not Required

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Scale:  1/4"  1/8" Other: \_\_\_\_\_

A large grid of dotted lines for drawing or planning.

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