



# CleanAir Solutions, Inc.

## Needs Analysis Worksheet

### CUSTOMER INFORMATION:

Company: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Requested Project Completion Date: \_\_\_\_\_

### CLEANROOM FUNCTION:

What is your cleanroom application (what process is being performed in the room?).  
 \_\_\_\_\_

What type of equipment is being used in the room (Define equipment traffic?).  
 \_\_\_\_\_

What number of people are working in the cleanroom at one time? \_\_\_\_\_

How often will people be entering or exiting the cleanroom (frequency per day?).  
**Seldom** (1-3 times per day)      **Moderate** (4-8 times per day)      **Often** (9 or more times per day)

What is the occupancy rating of this area? (F1, H6, H3, etc.)

List any flammable or hazardous materials being used or stored in the cleanroom?  
 \_\_\_\_\_  
 \_\_\_\_\_

Do you have a need for explosion proof HEPAs or lights? If so, what Class and Division?  
 \_\_\_\_\_

### CLEANROOM DESIGN CRITERIA:

Overall Cleanroom Size: \_\_\_\_\_ (W) x \_\_\_\_\_ (L) x \_\_\_\_\_ (H) (inside dimensions)  
 Ext./Interior Gown Area: \_\_\_\_\_ (W) x \_\_\_\_\_ (L) x \_\_\_\_\_ (H) (inside dimensions)

Exterior Room Walls: \_\_\_\_\_ (W) x \_\_\_\_\_ (H) (Type) \_\_\_\_\_  
 Exterior Curtains: \_\_\_\_\_ (W) x \_\_\_\_\_ (H) (Type) \_\_\_\_\_

Interior Separating Walls: \_\_\_\_\_ (W) x \_\_\_\_\_ (H) (Type) \_\_\_\_\_  
 Interior Curtains: \_\_\_\_\_ (W) x \_\_\_\_\_ (H) (Type) \_\_\_\_\_

Number of Single Doors: \_\_\_\_\_ **Type:** Hinged, latching, locking, or push/pull  
 Number of Double Doors: \_\_\_\_\_ **Type:** Hinged, latching, locking, or push/pull

Type of Rigidpanel inset: (Sentra Panel) (Clear Polycarbonate) (Polypropylene) (Other)  
 (White honeycomb) (Black honeycomb) (Foam Board)

Viewing windows: (Tempered Glass) (Clear Polycarbonate) (UV laminated)  
 Nominal window size: \_\_\_\_\_ (W) x \_\_\_\_\_ (H)

**How many Linear Feet?** \_\_\_\_\_ **What is the distance (AFF)?** \_\_\_\_\_



# CleanAir Solutions, Inc.

## Needs Analysis Worksheet

### CLEANROOM ENVIRONMENT:

Air Classification Requirement (circle):

<b>Gown Room:</b>	Class 100K	Class 10K	Class 1K	Class 100	Class 10/1
<b>Cleanroom:</b>	Class 100K	Class 10K	Class 1K	Class 100	Class 10/1

Type of Air Flow Required (circle):

Direction of Air Flow (circle):

<b>Gown Room:</b>	Re-circulating	Single Pass
<b>Cleanroom:</b>	Re-circulating	Single Pass

<b>Gown Room:</b>	Vertical	Horizontal
<b>Cleanroom:</b>	Vertical	Horizontal

Lighting Level Requirements:  
surface.

Typically designed at 100 ft. candles at work surface.

Special Lighting Requirements (circle):    UV lighting    Flow Thru    Teardrop    Elect.T-8 Ballast

### FACILITY INTEGRATION:

HVAC Requirement:

YES    NO

Cleanroom Temperature Requirement:	_____°F	(+/-)	_____°F
Typical Ambient Temperature Range:	(Min.) _____°F	(Max.)	_____°F

Relative Humidity Requirement:	_____ %RH	(+/-)	_____ %
Typical Ambient Humidity Range:	_____ %RH	(+/-)	_____ %

Cooling System Requirements (circle):    Air Cooled    Water Cooled

Is chilled water available?    YES    NO

Location of HVAC unit:    Roof    Floor    Other \_\_\_\_\_

Distance from Cleanroom: \_\_\_\_\_ Linear Feet.

Fire Protection Requirements:

YES    NO

Number of Sprinkler Heads Required Per Code:    (Qty) \_\_\_\_\_

Is there an "ACTIVE" Sprinkler line available near the cleanroom:    YES    NO

What is the size of the existing "ACTIVE" city water line?    1"    1 ½"    2"    3"

Does the existing active line need to be resized?    YES    NO    What size? \_\_\_\_\_



**CleanAir Solutions, Inc.**  
**Needs Analysis Worksheet**

**Flooring Requirements:**                      **YES    NO**

What is the customer's existing floor (circle):    Concrete        VCT Tile        Rug        Vinyl

What are the necessary flooring preparations:    Demolition \_\_\_\_    Floating \_\_\_\_    Moisture Test \_\_\_\_  
*(check all that apply)*

What type of new flooring (circle):                      Epoxy Paint    Seamless Vinyl    Raised (tile or grated)

**Electrical Requirements:**                      **YES    NO**

Central On/Off control switch panel                      YES    NO

Hardwire fan filters and lights                      YES    NO  
 Voltage of filters (circle)                      120V    220V    277V    DC  
 Voltage of lights (circle)                      115V    277V

Number of 110V duplex outlets                      \_\_\_\_  
 Number of 220V outlets                      \_\_\_\_  
 Number other outlets (type\_\_\_\_ )                      \_\_\_\_

Molding strip required                      YES    NO  
 If yes, how many feet between outlets                      \_\_\_\_

List any other special electrical needs:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Process Piping Requirements:**                      **YES    NO**

What type of pipe (circle preference):                      Stainless Steel        Copper        PVC  
 Nitrogen Air Requirements:                      # of Stubs\_\_\_\_        # of Valves\_\_\_\_  
 CDA Requirements:                      # of Stubs\_\_\_\_        # of Valves\_\_\_\_  
 Drain Requirements:                      # of Drains\_\_\_\_        Type:\_\_\_\_  
 Waste Disposal Requirements: \_\_\_\_\_  
 Type of Valves or Fittings: \_\_\_\_\_



## Needs Analysis Worksheet

### CERTIFICATION/CLEANING:

<u>Micro-Cleaning Service</u>	<b>YES</b>	<b>NO</b>
Floor Scrubbing	YES	NO
Floor Waxing	YES	NO
Filter vacuum	YES	NO
Equipment wipe-down	YES	NO

### Certification Testing:

<b>YES</b>	<b>NO</b>
Per Federal Standards 209E	YES NO
Per ISO Standards 14004	YES NO
Pressurization	YES NO
Velocity	YES NO
Particles	YES NO
Leak Scanning	YES NO
Air Balancing	YES NO
Fogging Test	YES NO
Video Documentation	YES NO

### ACCESSORIES:

#### Tables / Work surfaces (state size and circle preference):

Size: _____	Perforated / Solid	Stainless / Formica	Undershelf
Size: _____	Perforated / Solid	Stainless / Formica	Undershelf
Size: _____	Perforated / Solid	Stainless / Formica	Undershelf

#### Benches (state size and circle preference):

Size: _____	Tubular / Solid	Stainless / Chrome	Foot Levelers
Size: _____	Tubular / Solid	Stainless / Chrome	Foot Levelers

#### Pass-Thru's (state size and circle preference):

Size: _____	PVC / Formica	Interlock (manual / auto)	Fire Rated
Size: _____	PVC / Formica	Interlock (manual / auto)	Fire Rated





**CleanAir Solutions, Inc.**  
**Needs Analysis Worksheet**

**Other Useful Information:**

---

---

---

---

---

---

---

---

---

---