

Listed items with check boxes are program defaults.

Project Data

PROJECT NAME: _____

A&E/Consulting Engineer: _____

Address: _____

City: _____ State: _____ Zip: _____

Contact Person: _____ E-mail Address: _____

Contact Person: _____ E-mail Address: _____

Project Description: _____

LCC Period (years): _____ 10 yrs Based upon HEPA filter life.

Energy Cost (KWH): _____ Fan Operating Hours per Year: _____

Labor Cost HVAC (USD/Filter): _____ \$ 5.00 Labor Cost HEPA (USD/Filter): _____ \$ 50.00

Labor Cost Increase (per Year): _____ % 2% Typical CO2 Emission (g/WWh): _____ 600

System Design

AIR FILTER SYSTEMS

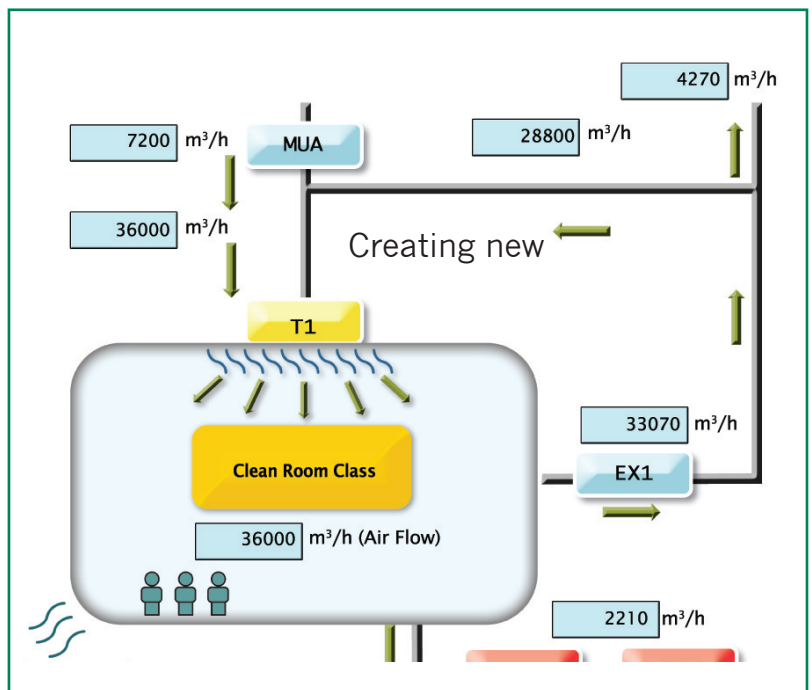
- MUA - Make Up Air Unit
- S2 - Pre Filtration System 2
- EX1 - Exhaust Filter System 1
- RE1 - Recirculation Filter System 1

HEPA FILTERS

- T1 - Terminal Filters
- U1 - Unidirectional Filters

DUST COLLECTOR

- DC1 - BIBO Housing
- DC2 - BIBO HEPA Housing



OUTDOOR AIR ENVIRONMENT:

- Rural Area (ODA1) Country Town Large Town (ODA2)
 Industrial Town (ODA3) Industrial Area

DIMENSIONS (ROOM)

Height: _____ ft.
 Width: _____ ft.
 Length: _____ ft.
 Air Flow: _____
 Air Changes: _____ /hr.
 Q1 -Make-up Airflow: _____ %
 Room Leakage: _____ % 2%
 Ventilation Efficiency: _____ 0.7
 Fan Efficiency: _____ % 60%

**PARTICLE
SIZE:**

- 0.1 μm
 0.3 μm
 0.5 μm

CLEAN ROOM CLOTHES:

- Clean Room Clothes
 Good Clean Room Clothes
 Hard Working
 Normal Clothes

**PARTICLE
CONCENTRATION:**

- 0
 1
 10
 100
 1,000
 10,000
 100,000
 1,000,000
 10,000,000
 100,000,000
 1,000,000,000
 10,000,000,000

**PARTICLE
FROM PROCESS:**

- 0
 1.00E+0
 1.00E+1
 1.00E+2
 1.00E+3
 1.00E+4
 1.00E+5
 1.00E+6
 1.00E+7
 1.00E+8
 1.00E+9
 1.00E+10

**PEOPLE IN ROOM
(CIRCLE ONE):**

- 1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12