



ESCC

ENVIRONMENTAL SYSTEMS CORPORATION
Design / Build & Maintenance of Controlled Environmental Systems

Cleanroom Design Pharmaceutical

Classification (Fed Std 209E)	ISO Class 5 (100)	ISO Class 6 (1,000)	ISO Class 7 (10,000)	ISO Class 8 (100,000)
Health Canada	A	B	C	D
Filter Coverage	100%	25 to 50%	15 to 30%	5 to 15%
Air Changes	600	40 – 100	30 – 40	20 - 30
Average FPM	90 FPM	6-15 FPM	4 - 6 FPM	3 - 4 FPM
Filter Rating	99.99%			
Ceiling Design	Flush		T-Bar	
Grid	Aluminium Flush Ceiling System		1½" –2" T Bar Ceiling System	1½" Steel Gasketed T Bar
Grid Support	All-thread with Strut & Turnbuckles		12 GA Wire to Grid	
Ceiling Panel	Cleanroom Blank Aluminium Panels		Vinyl Faced Gypsum Panels Foil Back Covered, all joints sealed or vinyl tape	
Wall System	Aluminium Component Flush Wall		Aluminium Component Plastic Flush Batten Strip	
Wall Panels	Honeycomb Aluminium Conductive Finish		Aluminium Skin Panel with High Density Poly or EPS Foam Core	Vinyl Coated Drywall
Floor	MMA - Epoxy Solids		MMA - Epoxy Solids or Seamless Vinyl	
Base	Coved Corners			Base
Air Return	Low Wall			Low Wall or Ceiling
Air Return Grilles	Filter Grilles with Optional Balancing Dampers			
Return Air Containment	HEPA Filtration			

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