

1.0 Client & Project Information

COMBINED ENGINEERING SOLUTIONS - ONE CREATIVE VISION

Toronto Tel #: (416) 477-4984 - Ottawa Tel #: (613) 366-4984

Fax # 613-831-4966

PO Box 540, Stittsville Main, Stittsville, Ontario K2S 1A6

Page 1 of 9

Facility Design Guide / Project Construction Check List

Date	
Project Name	The state of the s
Project Contact	SERVICIONE PROCEDITE
Telephone, fax, email	
Project Architect	1100
Telephone, fax, email	
Project Address	
Tender Bid Date	
Project Start Date	CO.
Project Completion	
2.0 General Site Conditions	
	General Notes
2.1 Building Type	
Existing Construction	
New Construction	
2.2 Building Drawings	
AutoCAD	
Soft Copy	
Demolition Requirements	
Floor Condition	
2.3 Clearances	
Floor to U/S ceiling	
Floor to U/S building roof	
Site Obstructions	
Site Access	
HVAC Type & Location	
Roof Access	
Ductwork Types	
2.4 Services Available	
Chilled Water	
Steam	
2.5 Electrical	
Panel Location	
Voltage	
2.6 Current Conditions	
Temperature	
Humidity	





Facility Design Guide / Project Construction Check List

3.0 Project Design Data		1	1	I		I			
Facility Room Identification	RM 1	RM 2	RM 3	RM 4	RM 5	RM 6	RM 7	RM 8	General Notes
3.1 Facility Type									
ISO - Cleanroom									
BSL - Containment									
3.2 ISO Classification:									
ISO -4,5,6,7,8 or N/C									
3.3 General Specifications									
Room Function									
Square footage									
Ceiling Heights									
Room Pressure									
Temperature Range									
Humidity Range									
Number of People									
Hours of Operation									
Latent Heat Sources									
Equipment Loading									
Room Exhaust									
Lighting Levels									
Fire Protection									
Specialty Services									
	oject D	esign	Selecti	ions by	Const	ructio	n Servi	ices Di	vision
4.0 Flooring	-								
PVC or Vinyl									
ESD									
Ероху									
Raised Access									
Floor Patching									
	1								





	Facilit	y Desig	n Guid	le / Pr	oject C	Constru	ıction	Check	List				
Facility Room Identification	RM 1	RM 2	RM 3	RM 4	RM 5	RM 6	RM 7	RM 8		Gei	neral N	otes	
5.0 Support Structure	(conf	irm ma	terial	type &	loadin	g if ex	isting	<u>structu</u>	ıre)				
Floor Mounted													
Mezzanine													
Suspended													
Typical Loading													
Clearances													
6.0 Wall Systems			I		I	T		I					
Modular 2″ Pharma Walls													
Modular 2" Industrial Walls													
Modular 1/2" Liner Walls													
Modular 1/4" Industrial Walls													
Metal Framing /Gypsum panels													
Full Glass Walls													
Modular Insulated Cooler Walls													
7.0 Viennie v Wiedense													
7.0 Viewing Windows													
Single Half Panel Clear Glazing													
Single Half Panel Clear Plastic													
Single Half Panel Clear Lexan													
Clear ESD Lexan													
Full Height Glazing													





Facility Design Guide / Project Construction Check List

	,			,					
Facility Room Identification	RM 1	RM 2	RM 3	RM 4	RM 5	RM 6	RM 7	RM 8	General Notes
8.0 Entry / Exit Systems									
Aluminum Single Swing Type									
Aluminum Double Swing Type									
Aluminum Sliding Single Type									
Steel Single Swing Type									
Steel Double Swing Type									
Polymer Single Swing Type									
Polymer Double Swing Type									
Roll-up High Speed Doors									
Standard Hardware Options									
Fire Rated Hardware Options									
Door Interlocking									
Half Viewing Options									
9.0 Ceiling - Structure		(confir	m ceil	ing su	port n	nethod	lology)	
1.5" T-Grid Type									
2" T-Grid Type									
Framed Metal Panel									
Framed Aluminum Panel									
Plenum Type									
Plaster or Others									
9.1 Ceiling -Blanks		(co	nfirm	ceiling	blank	mater	ial)		
Vinyl Coated Panel									
Polymer Panel									
Aluminum Panel									
Steel Panel									
Flush or Walkable Design	<u> </u>								





Facility Design Guide / Project Construction Check List Facility Room Identification RM 1 RM 2 RM 3 RM 4 RM 5 RM 6 RM 7 RM 8 **General Notes** (confirm voltage & bulb type) 9.2 Ceiling - Light Systems Recessed Room Fluorescent Top Mount Service Fluorescent Tear Drop Grid Mount Tear Drop Flush with Grid Surface Mounted 9.3 Air Filtration Systems Ducted HEPA Ducted ULPA Fan Filter Modules Cell Fan Systems Plenum - Grid Systems Plenum - Gel-Grid Systems RSR - Pharma Type Housings 10.0 Mechanical Systems (Confirm if chilled water is available) **Roof Mounted** Exterior Pad Interstitial Platform Mounting Floor Mounting near Facility Floor Mount Mechanical Room



Mezzanine Mounted





Facility Design Guide / Project Construction Check List RM 1 RM 2 RM 3 RM 4 RM 5 RM 6 RM 7 RM 8 Facility Room Identification **General Notes** (check for available utilities) 11.0 Mechanical Air Cooled - DX Design Chilled Water Design Plant Steam Clean Steam City Water (Humidity Systems) DI Water (Humidity Systems) Power Type Others 12.0 Mechanical Access Loading Dock Size and Type Roof Access Crane / Hoist Height Clearance Existing Systems Others (Heat rejection selection) 13.0 Condensers Roof Mounted Exterior Pad



Interstitial Platform Mount

Floor Mounting near Facility

Mezzanine Mounted

Floor Mount Mechanical Room





Facility Design Guide / Project Construction Check List											
RM 1	RM 2	RM 3	RM 4	RM 5	RM 6	RM 7	RM 8	General Notes			
	((supply	y & ret	urn sy:	stems))					
		(ex	haust	systen	ns)						
		_			•						
(confi	rm roo	f cuts,	sleepe	ers & r	oofing	warra	nty)				
	RM 1	RM 1 RM 2	RM 1 RM 2 RM 3 (supply	RM 1 RM 2 RM 3 RM 4 (supply & ret	RM 1 RM 2 RM 3 RM 4 RM 5 (supply & return system) (exhaust system)	RM 1 RM 2 RM 3 RM 4 RM 5 RM 6 (supply & return systems) (exhaust systems)	RM 1 RM 2 RM 3 RM 4 RM 5 RM 6 RM 7 (supply & return systems) (exhaust systems)	RM 1 RM 2 RM 3 RM 4 RM 5 RM 6 RM 7 RM 8 (supply & return systems)			







	Facilit	Facility Design Guide / Project Construction Check List												
Facility Room Identification	RM 1	RM 2	RM 3	RM 4	RM 5	RM 6	RM 7	RM 8	General Notes					
17.0 Fire Protection Systems														
None Existing in Building														
Building Fire Protection Provider														
Interstitial Only Coverage														
Coverage Standard Head														
Flush Drop Down Head														
Wall Mounted														
Permits														
18.0 Plumbing Systems		(conf	irm co	nnectio	on poir	t locat	tions)							
None Existing														
City Water & Building Drains														
House Vacuum														
Compressed Air														
Gas														
Specialty Plumbing Services														
19.0 Electrical Systems	(conf	irm av	<u>ailable</u>	buildi	ng volt	age, p	hase, 8	<u>ampe</u>	erage & location)					
Existing Power Panel Location														
New Power Panel Location														
Room Electrical Outlet Sources														
Room Raceways														
Special Power														







Products (1986) Corporation			188		(//0)							
	Facilit _y	y Desig	gn Guid	ie / Pr	oject (Constru	ıction	Check	List			
Facility Room Identification	RM 1	RM 2	RM 3	RM 4	RM 5	RM 6	RM 7	RM 8		General	Notes	
20.0 Data & Communication		Ĺ	confirn	n term	ination	n points	<u>s)</u>					
Data Outlets												
Telephone Outlets												
Telephone - Cleanroom Type												
Intercom Systems												
Audio / Visual Systems												
Others												
21.0 Other Design Services Co	<u>iteria</u>											
Data & Control Monitoring												
Commissioning & Balancing												
Testing & Certification												
Additional Notes & Remarks												
	Facilit	y Desig	gn Guid	le / Pr	oject (Constru	ıction	Check	List			
		Pro	posed	Prelim	inary	Facilty	Layou	<u>t</u>				
HEPA ire		PRO	JECT TITLE:		DRAWN	NG TITLE:		DRAWN E	IY:	CHECKED BY:		
Products (1986) Corporation		2442						DATE CR		SCALE:		
PO Box 540, Stittsville Main, Stittsville, Ontario	, Canada, K2	S 1A6	A VALUE OF THE PARTY OF THE PAR	S PHOATEN				DRAWING	NO: SHEET	NO: REVISIO	ON NO:	