

Facility Design Guide / Project Construction Check List
1.0 Client & Project Information


Date		
Project Name		
Project Contact		
Telephone, fax, email		
Project Architect		
Telephone, fax, email		
Project Address		
Tender Bid Date		
Project Start Date		
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		

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Facility Room Identification	RM 1	RM 2	RM 3	RM 4	RM 5	RM 6	RM 7	RM 8	General Notes
<u>5.0 Support Structure</u>	<u>(confirm material type & loading if existing structure)</u>								
Floor Mounted									
Mezzanine									
Suspended									
Typical Loading									
Clearances									
<u>6.0 Wall Systems</u>									
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									
<u>7.0 Viewing Windows</u>									
Single Half Panel Clear Glazing									
Single Half Panel Clear Plastic									
Single Half Panel Clear Lexan									
Clear ESD Lexan									
Full Height Glazing									
									



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<u>9.2 Ceiling – Light Systems</u>	<u>(confirm voltage & bulb type)</u>								
Recessed Room Fluorescent									
Top Mount Service Fluorescent									
Tear Drop Grid Mount									
Tear Drop Flush with Grid									
Surface Mounted									
<u>9.3 Air Filtration Systems</u>									
Ducted HEPA									
Ducted ULPA									
Fan Filter Modules									
Cell Fan Systems									
Plenum - Grid Systems									
Plenum - Gel-Grid Systems									
RSR – Pharma Type Housings									
<u>10.0 Mechanical Systems</u>	<u>(Confirm if chilled water is available)</u>								
Roof Mounted									
Exterior Pad									
Interstitial Platform Mounting									
Floor Mounting near Facility									
Floor Mount Mechanical Room									
Mezzanine Mounted									




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<u>11.0 Mechanical</u>	(check for available utilities)								
Air Cooled - DX Design									
Chilled Water Design									
Plant Steam									
Clean Steam									
City Water (Humidity Systems)									
DI Water (Humidity Systems)									
Power Type									
Others									
<u>12.0 Mechanical Access</u>									
Loading Dock Size and Type									
Roof Access									
Crane / Hoist									
Height Clearance									
Existing Systems									
Others									
<u>13.0 Condensers</u>	(Heat rejection selection)								
Roof Mounted									
Exterior Pad									
Interstitial Platform Mount									
Floor Mounting near Facility									
Floor Mount Mechanical Room									
Mezzanine Mounted									
									



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<u>14.0 Ductwork</u>	<u>(supply & return systems)</u>								
Galvanized									
Aluminum									
Stainless									
Polymer Type									
Coated Types									
Others									
<u>15.0 Ductwork</u>	<u>(exhaust systems)</u>								
Galvanized									
Aluminum									
Stainless									
Polymer Type									
Coated Types									
Others									
<u>16.0 Exhaust Systems</u>	<u>(confirm roof cuts, sleepers & roofing warranty)</u>								
Metal Type									
Polymer Type									
In-line Type									
Roof Mounted									
Wall Mounted									
Custom									
Permits - MOE									
									

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<u>17.0 Fire Protection Systems</u>									
None Existing in Building									
Building Fire Protection Provider									
Interstitial Only Coverage									
Coverage Standard Head									
Flush Drop Down Head									
Wall Mounted									
Permits									
<u>18.0 Plumbing Systems</u>	<u>(confirm connection point locations)</u>								
None Existing									
City Water & Building Drains									
House Vacuum									
Compressed Air									
Gas									
Specialty Plumbing Services									
<u>19.0 Electrical Systems</u>	<u>(confirm available building voltage, phase, & amperage & location)</u>								
Existing Power Panel Location									
New Power Panel Location									
Room Electrical Outlet Sources									
Room Raceways									
Special Power									
									

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<u>20.0 Data & Communication</u>	<u>(confirm termination points)</u>								
Data Outlets									
Telephone Outlets									
Telephone - Cleanroom Type									
Intercom Systems									
Audio / Visual Systems									
Others									
<u>21.0 Other Design Services Criteria</u>									
Data & Control Monitoring									
Commissioning & Balancing									
Testing & Certification									
Additional Notes & Remarks									

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Proposed Preliminary Facility Layout
