

SYSTEM ID.	SYSTEM	MECHANICAL										PROCESS										PLUMBING										AUTOMATION																		
		1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10									
GROUP III: INSTALLATION																																																		
III.A	Fabrication																																																	
III.A.1	Permit (i.e. City Permit)																																																	
III.A.2	Certificate of Compliance																																																	
III.D	Material Inspection Logs																																																	
GROUP IV: COMMISSIONING																																																		
IV.A	Master Plan																																																	
IV.B	Protocols																																																	
IV.C	Equipment Verification/Qualification																																																	
IV.C.1	Factory Acceptance Test (FAT) Verification																																																	
IV.C.2	Equipment List																																																	
IV.C.3	Start-Up																																																	
IV.D	Instrument Verification/Qualification																																																	
IV.D.1	Instrument List & Verification																																																	
IV.E	Control & Automation Verification/Qualification																																																	
IV.E.1	Factory Acceptance Test (FAT) Verification																																																	
IV.E.2	Hardware & Software Verifications																																																	
IV.E.2a	I/O List																																																	
IV.E.2b	Point to Point Checks																																																	
IV.E.2c	Loop Programming Verification																																																	
IV.E.2d	Others																																																	
IV.F	Distribution System Verification/Qualification																																																	
IV.F.1	P&ID Field Verification																																																	
IV.F.2	Cleaning & Flushing Documentation																																																	
IV.F.3	Pressure Test																																																	
IV.F.3a	Hydrostatic Pressure Testing																																																	
IV.F.3b	Pneumatic Pressure Testing																																																	
IV.F.3c	Duct Leakage Testing																																																	
IV.F.4	Passivation Report																																																	

TOP:

COMPANY NAME
TURNOVER PACKAGE DOCUMENTATION REQUIREMENTS

SYSTEM ID.	SYSTEM	MECHANICAL										PROCESS										PLUMBING										AUTOMATION										
		1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	
IVF.5	Analytical Testing (e.g. He, PC, TOC, etc.)																																									
IVG	Manual List & Manuals																																									
IVH	Recommended Spare Parts List																																									
IVI	Operational Verification/Qualification																																									
IVI.1	Air Balance																																									
IVI.2	Water Balance																																									
IVI.3	HEPA Challenge																																									
IVI.4	Particle Count																																									
IVI.5	Clean Room Certification																																									
IVI.6	Room Pressurization																																									
IVI.7	Functional Performance Testing																																									
IVJ	Vendor's TOP																																									
IVK	Warranty Letter																																									