Design Phase
Plumbing Checklist – Design Review

Project: Project Name (eB #)

General
☐ Cornell University Standards
☐ Submittals

Plumbing Specialties
☐ Plumbing Fixtures
☐ WC’s, Lav’s, sinks, FD’s, CO’s, etc....

Plumbing Piping and Distribution
☐ Domestic Water
☐ Pipe, tubing, valves and trim
☐ Hangers and attachments
☐ Insulation
☐ Cornell standards and material specifications per application.
☐ Dielectric unions, automatic flow control valves, combination balancing and shutoff valves and triple duty valves are not acceptable for use at Cornell.
☐ Waste and Vent

Process Piping
☐ Compressed Air
☐ Generation and distribution piping systems
☐ Compressor types, storage tanks and associated requirements
☐ Filtration devices and driers
☐ Process and High-Purity Gas

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☐ Natural Gas
☐ Pipe, tubing, valves and trim
☐ Meters, regulators and operating pressures
☐ Backflow Prevention
☐ Domestic water systems
☐ Fire Protection systems
☐ DCDAs and RPDAs (Double-Check Detector Assemblies and Reduced Pressure Detector
☐ Assemblies) are not acceptable for use
☐ Water Purification Systems
☐ Softener systems standards and requirements
☐ RO/DI systems standards and requirements
☐ Domestic Hot Water Generation
☐ Mixing valves and ASSE 1070, 1071 compliance
☐ Fuel fired equipment requirements and standards
☐ Steam generated equipment and standards
☐ Plate heat exchangers, design conditions and specifications
☐ Storage tanks
☐ Recirculation systems including pumps and associated controls
☐ Kitchen Plumbing Systems
☐ Booster heaters
☐ Grease traps
☐ High temp trough drains
☐ Safety Fixtures
☐ Safety shower and eye wash ANSI Z358.1 standards compliance