Design Phase
Mechanical Checklist – Design Review

Project: Project Name (eB #)

General - Cornell University Standards
☐ All documents meet Cornell University Standards or have approved variance by CU
☐ All documents meet local codes or have approval for variance approved by AHJ
☐ Drawings state design & installation to be in accordance with FM Global Data Sheets
☐ Documents indicate all HVAC equipment submittals to be forwarded to CU FE
☐ Design Conditions for CU standard conditions
☐ Submittals

HVAC
☐ AHUs, MAUs, RTUs, DOAS Units
☐ Coils, Drain Pans, Filter Sections, Base and Frame Assemblies, Cabinet Construction, Assess Door Locations meet CU minimum requirements
☐ Exhaust Systems
☐ Air Terminals
☐ BAC is either Automated Logic or Alertons
☐ Chillers and Cooling Towers
☐ Ductwork for acceptable type and access panels needed per application
☐ HVAC Water Treatment
☐ HVAC Insulation for approved insulation by application
☐ Hydronic Piping Chilled Water or Heating Hot Water systems
☐ Valves for approved Valve Table
☐ Pumps
☐ **Motors** are premium efficiency and ECM or VFD are installed where practical

☐ **Pressure seal fittings**

**HYDRONIC**

☐ **Process Chilled Water** Process chilled water is independent of campus chilled water

☐ **Hydronic Piping Insulation** See link for approved insulation by application

**ITEMS Not Permitted**

☐ **Specific Equipment Not Allowed** - Automatic Control Valves, Dielectric Unions, combined balancing/isolation valve/strainers, or Triple Duty Valves are not permitted or specified