21. All equipment, ductwork, etc., to be removed shall be removed by the owner or disposed of legally, as directed by the owner.

22. Maintain clearance of a minimum of 6" between ducting, equipment, etc., and all fire rated and fire/smoke rated partitions to allow for inspections of rated walls.

23. Locate all outside air intakes a minimum of 10'-0" clear from plumbing vents and exhaust air discharge locations. Each outside air intake on roof shall be a minimum of 24" above roof.

24. Duct runouts to diffusers shall match the size of the diffuser neck.

25. Water pressure drops through coil control valves shall not exceed 5 PSI.

26. Unless otherwise noted, all equipment and valve drains shall be independently piped full size to the nearest plumbing stack.

27. Sleeve and seal all piping penetrations through building partitions to provide manual air vents at all high points in chilled water piping.

28. Maximum length of all flex duct to be 8'-0". If longer, provide sheet metal extensions with snap lock fittings.

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**DESIGN CONDITIONS**

**COOLING (ASHRAE 1% CONDITION)** 94°F DB/79°F WB

**HEATING (ASHRAE 99% CONDITION)**

**INSIDE SETPOINT (COLLECTIONS)** 75°F DB (55% MAX RH)

**INSIDE SETPOINT (EXHIBIT SPACES)** 70°F DB (45% WIN/55% SUM RH)

**INSIDE SETPOINT (ALL OTHER SPACES)** 75°F DB (60% MAX RH)

**WALL U-VALUE** 0.118 BTU/HR-SQFT-°F

**ROOF U-VALUE** 0.046 BTU/HR-SQFT-°F

**GLASS U-VALUE/SHADING COEFFICIENT** 0.32 BTU/HR-SQFT-°F / 0.42

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**CHILLED WATER DEMAND**

**CONDITIONED AREA:** 38,000 SQFT

**BUILDING LOAD:** 1,500 MBH

**COIL TEMP. DIFF:** 14° F (BASED ON EXISTING PLANT)

**PEAK FLOW:** 215 GPM

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**HVAC DESIGN REQUIRES:**

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<tbody>
<tr>
<td>DUCT SMOKE DETECTORS</td>
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<td>FIRE DAMPER(S)</td>
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