

9.0 FINAL THOUGHT

In designing any new mechanical system it is imperative to set initial goals. Then it is important throughout the design process to keep in mind those goals and at the end determine if those goals were met. In this analysis the technologies of ice thermal storage and cold air distribution were explored, dissected and analyzed. Thermal storage is not a “new” technology but often not utilized because of cost, space, unfavorable electricity rates, etc. However, with the proper circumstances and optimum design thermal storage can be a very cost and energy saving technology. The same holds true for cold air distribution it too is not a “new” technology and if utilized properly can be beneficial. However, like every system, these technologies do not apply to every building. Every system has their strengths and weaknesses it is the designer’s job to identify the strengths of a system for a specific application. Then analyze whether the strengths outweigh the weaknesses. Every building is different which means every system is different in some capacity or another. That is why setting initial goals and sticking to them is the basis of any design.