

Applicant Responses

Screening:

1. The project budget included a basic shadowbox type screening fence with an allowance of \$8500. In our subsequent discussions with the City of Ramsey we have come to understand that this is unacceptable. Thus, we next discussed on site with Tim Gladhill a metal fence with landscaping. The metal fence with landscaping could be accommodated with the same \$8500 screening in the project. From the most recent e-mail pertaining to the City Zoning Code, we understand that the city is requesting analysis of a screen wall of “similar material to the building”. We have developed a concept for an architectural screen wall, of similar materials to the building, that will completely screen the equipment from Sunwood Drive. Our estimated cost for this, including design and all associated costs, is approximately \$27-\$30K. This represents a net increase to the project of approximately \$21,500.
2. To the best of our knowledge, there is already an agreement in place with NAU Country as regards the landscaping maintenance.

Location and Design of Chillers and Tanks

1. There are five primary mechanical components to be located outside – two (2) air cooled chillers, one (1) drycooler, one (1) duplex pump set and one (1) storage tank (150 gallons volume). The weights and PSF loading of these components are as follows:
 - a. Air cooled chiller – 752 lbs operating weight – 41 PSF loading
 - b. Drycooler – 685 lbs net weight – 4.8 PSF loading
 - c. Duplex pumps set – negligible
 - d. Storage Tank – 2150 lbs operating weight – 304 PSF loading
2. This project requires that this new mechanical equipment be installed, started up, tested and commissioned prior to demolition of any of the existing equipment that is already on the roof to avoid a costly extended outage to the data center.
3. Note - the existing equipment already occupies the “best” structural locations on the roof. This can be observed in that the existing equipment is lined up in the middle of the roof – straddling the structural beam under the roof.
4. Thus, even if the structural beams on the roof can support the new equipment, those locations are already taken with the existing mechanical equipment and it is not logistically possible to stage the new equipment in prior to demolition of the existing equipment.
5. The project has thus chosen a direction to locate the new equipment on grade, where it can be installed, start-up, tested and commissioned without affecting the existing equipment.