

Breadth Proposal



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Breadth Proposal

Construction Management Breadth

The construction of the proposed geothermal heat pump on the campus quad will be invasive to campus life. Many precautions will be taken to maintain safety and necessary circulation on the site throughout the construction process. To accomplish this in the months to come, site safety plans as well as site utilization plans will be generated. These plans will make it possible to preserve access to the buildings surrounding the quad while also planning the construction phases efficiently. Re-direction of the paths shown below in **Figure 13** will no doubt be necessary throughout the construction to make this achievable.



Figure 1 –Proposed site for CM Breadth

Scheduling of this construction process will also be evaluated to reduce the amount of time this construction will impact the MIT campus. If possible, this construction will be proposed for the summer months when the campus is least active.

In conclusion, the construction management breadth of this project will act to preserve site circulation, ensure safety for MIT students and faculty and create an efficient schedule of construction to minimize the impact on MIT's campus.

Architectural Breadth

Both the architect and owner expressed concerns early on in the project about having equipment located on the roof. With the proposal of a solar hot water system and a possible makeup air unit, the ideal position for these systems would be on the roof. Both of these systems are capable of providing the building owner large annual energy savings, making them very feasible and cost effective. That being said, the challenge of making these beneficial additions architecturally pleasing remains unresolved. Therefore, if these systems are proven feasible, a detailed architectural study will be carried out to design aesthetically pleasing architectural elements to tie these systems into the existing building design.

List of Figures

Figure 1 –Proosed site for CM Breadth

Proposed Work Schedule

