Campus Building Survey

Information from the survey will be reported in aggregate form; details of individual responses will not be shared outside the research team. Identifying information such as participant name, institution name, and building name will not be shared outside the research team; however, these fields may be left blank if your institution does not allow sharing of such information.

You will need access to buildings plans in order to complete the survey. This survey will take up to 1 hour to complete.

*If you are filling out the survey while logged into a Google account: Google will automatically save your progress. You can use the link in the email to return to the survey, where your work should be saved.

*If you are not logged into a Google account: If you do not finish the survey in one sitting, you may skip to the end and click "Submit". Then on the next page, click "Edit your response" to navigate to a new page. Bookmark the page or copy and save the URL. You can return to this page later to continue your survey. You can repeat this process as many times as needed.

1. Name of person entering data

    _____

2. Email address of person entering data

    _____

3. Name of institution

    _____

4. Name of building

    _____

5.   Year of original construction

_____

6.   Year of demolition/adaptation event

_____

7.   Primary building usage IMMEDIATELY BEFORE the demolition/adaptation event
     (check all that apply)

Check all that apply.

☐ Dining

☐ Commercial (e.g. bookstore)

☐ Classrooms

☐ Offices

☐ Laboratories

☐ Parking

☐ Assembly

☐ Health care

☐ Library

☐ Residence hall

☐ Other: _____

8.   Type of event

Mark only one oval.

◯ Major adaptation/renovation (e.g. adding a new floor, replacing multiple systems,
   significant changes to layout and usage)

◯ Minor adaptation/renovation (e.g. updating/renovating systems, reworking floor plan,
   etc.)

◯ Demolition

◯ Does not fit into categories above. The research team will contact you directly to
   discuss this question with you.

9.   Enter a brief description of the project scope.

_____

_____

_____

_____

_____

Historic/Sentiment

10. What degree of sentimental value did the campus community place on the
     building IMMEDIATELY BEFORE the demolition/adaptation event?

     Mark only one oval.

     ◯ Strong positive

     ◯ Moderate or weak positive

     ◯ Mixed positive and negative

     ◯ Little or none

     ◯ Moderate to weak negative

     ◯ Strong negative

     ◯ Does not fit into categories above. The research team will contact you directly to
       discuss this question with you.

11. Check each of the options below that apply to the building IMMEDIATELY
     BEFORE the demolition/adaptation event.

     Check all that apply.

     ☐ Building was on the National Registry of Historic Places (NRHP)

     ☐ Building had a historic listing other than the NRHP

     ☐ Building was in a neighborhood/area that has historic designation

     ☐ None of the above / does not apply

12.   IMMEDIATELY BEFORE the demolition/adaptation event, to what extent did the building aesthetic match or fit in with the campus/area aesthetic (if any)?

Mark only one oval.

( ) Well-matched aesthetic

( ) Somewhat well-matched aesthetic

( ) Somewhat mismatched aesthetic

( ) Significantly out-of-place aesthetic

( ) Campus/area has no particular aesthetic

( ) Does not fit into categories above. The research team will contact you directly to discuss this question with you.

Building Condition

For the following questions, if you select "Does not fit into categories," the research team will contact you directly to discuss this question with you.

13.   IMMEDIATELY BEFORE the demolition/adaptation event, which option best describes the physical condition of the _____?

Mark only one oval per row.

	New or like-new	Maintenance or repair required on some elements	Maintenance or repair required on many/most elements	Some elements damaged beyond practical repair	Many elements damaged beyond practical repair	Does not fit into these categories
Structure	◯	◯	◯	◯	◯	◯
Foundation	◯	◯	◯	◯	◯	◯
Envelope	◯	◯	◯	◯	◯	◯
MEP/HVAC	◯	◯	◯	◯	◯	◯
Floor plan layout, interior walls & doors	◯	◯	◯	◯	◯	◯
Finishes	◯	◯	◯	◯	◯	◯
Stairs/elevators	◯	◯	◯	◯	◯	◯

14.   IMMEDIATELY BEFORE the demolition/adaptation event, what was the functional condition of the _____? (Functional condition refers to the system's ability to operate at the capacity for which the building is intended or desired.)

Mark only one oval per row.

	Functioning at/near full capacity	Functional but not at full capacity	Functionality limited	Non-functional or function is severely limited	Does not fit into these categories
Structure	◯	◯	◯	◯	◯
Foundation	◯	◯	◯	◯	◯
Envelope	◯	◯	◯	◯	◯
MEP/HVAC	◯	◯	◯	◯	◯
Floor plan layout, interior walls & doors	◯	◯	◯	◯	◯
Finishes	◯	◯	◯	◯	◯
Stairs/elevators	◯	◯	◯	◯	◯

15.   IMMEDIATELY BEFORE the demolition/adaptation event, what was the condition of the _____ relative to current standards (codes and specifications) of a newly constructed building?

Mark only one oval per row.

	Meets or exceeds current quality standards	Approaches current standards	Some deviation from current standards	Major deviation from current standards	Does not fit into these categories
Structure	◯	◯	◯	◯	◯
Foundation	◯	◯	◯	◯	◯
Envelope	◯	◯	◯	◯	◯
MEP/HVAC	◯	◯	◯	◯	◯
Floor plan layout, interior walls & doors	◯	◯	◯	◯	◯
Finishes	◯	◯	◯	◯	◯
Stairs/elevators	◯	◯	◯	◯	◯

Building Design Features

All of the following questions apply to the building IMMEDIATELY BEFORE the demolition/adaptation event.

16.   What is the distance between the horizontal grid lines, in feet? (Enter the typical or average distance if the distance differs throughout the building.)

_____

17. Which of the following options best describes the interior structure of the
     building?

     Mark only one oval.

     ◯ Columns

     ◯ Bearing walls (excluding stairwells and other "core" walls)

     ◯ Mixture of columns and bearing walls (excluding stairwells and other "core" walls)

     ◯ No structure in interior

     ◯ Does not fit into categories above. The research team will contact you directly to
        discuss this question with you.

18. Which of the following options best describes the perimeter structure of the
     building?

     Mark only one oval.

     ◯ Columns

     ◯ Bearing walls

     ◯ Mixture of columns and bearing walls

     ◯ No structure at perimeter

     ◯ Does not fit into categories above. The research team will contact you directly to
        discuss this question with you.

19. Which of the following best describes the lateral force resisting system of the building? Check all that apply.

Check all that apply.

☐ Moment frames

☐ Braced frames at perimeter

☐ Braced frames at interior

☐ Shear walls at perimeter

☐ Shear walls at interior

☐ Structural core at elevator/stairs

☐ Does not fit into categories above. The research team will contact you directly to discuss this question with you.

☐ Don't know. The research team will contact you directly to discuss this question with you.

20. What was the highest load level (i.e. type of function) that the floor structure could support before demolition/adaptation? Select the option that applies to the greatest proportion of the building area.

Mark only one oval.

◯ 40 psf (residential / classroom)

◯ 50 psf (office / light-duty lab)

◯ 100 psf (assembly / retail / heavy-duty lab)

◯ 150 psf (library)

◯ Does not fit into categories above. The research team will contact you directly to discuss this question with you.

21. Which best describes the roof of the building?

Mark only one oval.

◯ Sloped roof

◯ Flat roof with support for maintenance loads only

◯ Flat roof with support for a rooftop garden

◯ Flat roof with support for occupiable areas

◯ Does not fit into categories above. The research team will contact you directly to discuss this question with you.

22. IMMEDIATELY BEFORE the demolition/adaptation event, to which extent could the structure support a vertical expansion?

Mark only one oval.

◯ Not possible. The structural capacity and/or lack of space around building prevents vertical expansion.

◯ Possible to expand vertically, but requires a new structure to be built around the existing structure.

◯ Possible to expand vertically by 1 floor, but requires strengthening of existing structure.

◯ Possible to expand vertically by 1 floor. Does not require strengthening of existing structure.

◯ Possible to expand vertically by several floors with little or no strengthening of existing structure.

◯ Does not fit into categories above. The research team will contact you directly to discuss this question with you.

23. How much room is available within a raised floor or lowered ceiling, in feet?

_____

24. To which extent could elements of the MEP distribution networks be reached?

Mark only one oval.

◯ Inaccessible (e.g. fully blocked by wall or floor structure)

◯ Difficult to access (e.g. partially blocked by wall or floor structure)

◯ Somewhat accessible (e.g. partially blocked by light partitions)

◯ Accessible (e.g. exposed or above drop ceiling or in raised floor system)

◯ Does not fit into categories above. The research team will contact you directly to discuss this question with you.

25. To which extent is the MEP distribution network integrated with the perimeter walls and roof?

Mark only one oval.

◯ Fully integrated (entire network placed within the perimeter walls and/or roof structure)

◯ Largely integrated (mostly placed inside the perimeter walls and/or roof)

◯ Partly integrated (partly placed inside the perimeter walls or roof)

◯ Partly independent (mostly placed outside the perimeter walls and roof)

◯ Fully independent (whole network placed outside the perimeter walls and roof)

◯ Does not fit into categories above. The research team will contact you directly to discuss this question with you.

26. To which extent could elements of the distribution network (i.e. mechanical systems) be demounted? Select the option that aligns with the majority of connections of the mechanical systems.

Mark only one oval.

⃝ Not demountable (e.g. fully grouted rod connections or merged into in-situ poured concrete)

⃝ Difficult to demount (e.g. mortar or sealant connections)

⃝ Somewhat demountable (e.g. screwed or nailed connections)

⃝ Demountable (e.g. bolted or clamped connections)

⃝ Does not fit into categories above. The research team will contact you directly to discuss this question with you.

27. To which extent could the internal walls be demounted horizontally? Select the option that aligns with the majority of the wall connections.

Mark only one oval.

⃝ Not demountable (e.g. fully grouted rod connections or merged into in-situ poured concrete)

⃝ Difficult to demount (e.g. mortar or sealant connections)

⃝ Somewhat demountable (e.g. screwed or nailed connections)

⃝ Demountable (e.g. bolted or clamped connections)

⃝ Does not fit into categories above. The research team will contact you directly to discuss this question with you.

28. To what extent could the elevator shaft(s) be accessed in the building?

Mark only one oval.

◯ Not present / One elevator shaft located at an end of the building

◯ One elevator shaft centrally located

◯ Two elevator shafts centrally located

◯ One elevator shaft at each end of the building

◯ Multiple elevator shafts, located centrally and at the ends of the building

◯ Multiple elevator shafts, evenly divided over the building

◯ Does not fit into categories above. The research team will contact you directly to discuss this question with you.

29. To what extent could the stairwell(s) be accessed in the building?

Mark only one oval.

◯ Not present / One stairwell located at an end of the building

◯ One stairwell centrally located

◯ Two stairwells centrally located

◯ One stairwell at each end of the building

◯ Multiple stairwells, located centrally and at the ends of the building

◯ Multiple stairwells, evenly divided over the building

◯ Does not fit into categories above. The research team will contact you directly to discuss this question with you.

Optional Questions

Please answer these questions about decision-making on your campus only if you are comfortable doing so out of your own experience/knowledge. These questions can be left blank.

30. In general, what are the main drivers behind demolition/adaptation decisions on your campus? I.e., if a building is up for demolition or adaptation, which factors are most important in determining the outcome?

Mark only one oval per row.

	In the top 4 most important drivers	In the middle	In the bottom 4 least important drivers
Physical condition of building	◯	◯	◯
Building energy efficiency	◯	◯	◯
Building design features and their conduciveness to adaptation	◯	◯	◯
Campus aesthetic / attractiveness to potential students	◯	◯	◯
Economic efficiency	◯	◯	◯
Location of building	◯	◯	◯
Sentimental value and/or historic significance	◯	◯	◯
Long-term campus goals (e.g. "green" goals)	◯	◯	◯
Accessibility	◯	◯	◯
Donor interests	◯	◯	◯

Administration interests / mandates	◯	◯	◯
Construction / demolition logistics	◯	◯	◯

31. In general, how much do the design features (e.g. floor-to-floor heights, removability of interior walls, accessibility to MEP systems for maintenance) of the buildings in question influence demolition/adaptation decisions on your campus?

   Mark only one oval.

   ◯ Extremely influential

   ◯ Very influential

   ◯ Somewhat influential

   ◯ Barely influential

   ◯ Non-issue

Google Forms