



## 2024 Seismic Design Competition

### Presentation Requirements:

Each team is required to give an oral presentation no longer than ten minutes to a panel of judges at the scheduled time for the team. Judges will have up to five minutes to ask questions following the presentation. The presentations will be open to the public.

Teams must follow the instructions and guidelines for the presentation below.

A projector and laptop, running Microsoft Windows 7 or newer, and PowerPoint (Office 2007 or newer) will be provided. The presentation files will be uploaded to the competition laptop by the SLC prior to the first presentation. Teams must submit their presentation files by email *before* the week of the competition (check the official website for exact deadline). Teams are responsible for software compatibility. Teams may check software compatibility during the scheduled time for Check-in and Registration. Note that presentation editing will not be allowed after submission. All presentations must be lined up and checked before the session begins to ensure a faster transition for the teams presenting.

Presentations shall include the following:

- Name of school on title slide
- Name of building on title slide
- Description of structural system
- Architectural concept
- Geotechnical considerations including seismic site class
- Justifications of ground motions chosen
- Analysis methods and results
- Performance predictions
- Damping devices (optional)
- Structural design innovation (optional)

For more information, please see the presentation judging rubric below. Any team that does not present at the scheduled time will have 100 added to  $V$  (Section 4.4).

Any team that does not email their final presentation by the deadline will have 10 added to  $V$  (Section 4.4).



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### Score Sheet 1: Presentation

School: \_\_\_\_\_

Judge: \_\_\_\_\_

*Note: Judges please check, circle, or highlight the scoring criteria for the most appropriate score in each category. Do not write in the score.*

Category	Score				Score (for SLC use ONLY)
	1	2	3	4	
<b>Structural System Concept</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Inappropriate system for seismic applications</li> <li><input type="checkbox"/> Structural system would not work with building concepts</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> May work as a system for seismic applications</li> <li><input type="checkbox"/> Structural system may work with other building concepts</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Appropriate system for seismic applications</li> <li><input type="checkbox"/> Structural system would work with other building components</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Ideal system for seismic resistance</li> <li><input type="checkbox"/> Structural system works very well with other building components</li> </ul>	/4
<b>Geotechnical Considerations</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Site class not stated or unreasonable wrong</li> <li><input type="checkbox"/> No/very little information about the geological conditions or history of the site</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> A reasonable site class is stated with little reasoning provided</li> <li><input type="checkbox"/> Minimal information about the geological conditions or history of the site</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> A reasonable site class is stated with reasoning</li> <li><input type="checkbox"/> Adequate information about the geological conditions or history of the site</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> A reasonable site class is stated with convincing reasoning</li> <li><input type="checkbox"/> Detailed information about the geological conditions or history of the site</li> </ul>	/4
<b>Architectural Concept</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Rendering incomplete or not aesthetically pleasing</li> <li><input type="checkbox"/> No environmental and ADA accessibility considerations mentioned</li> <li><input type="checkbox"/> No architectural considerations</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Rendering looks somewhat aesthetically pleasing</li> <li><input type="checkbox"/> Minimal environmental and ADA accessibility considerations</li> <li><input type="checkbox"/> Some architectural considerations</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Rendering is aesthetically pleasing and with a satisfactory level of details</li> <li><input type="checkbox"/> Some thoughtful environmental and ADA accessibility considerations</li> <li><input type="checkbox"/> Show initiative to innovate architecturally</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Rendering is very aesthetically pleasing with a high level of details</li> <li><input type="checkbox"/> Many thoughtful environmental and ADA accessibility considerations</li> <li><input type="checkbox"/> Overall unique and memorable architecture</li> </ul>	/4



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<b>Ground Motion Selection</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Poor/no explanation of ground motion selection</li> <li><input type="checkbox"/> Unreasonable selection of ground motions</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Good explanation of ground motion selection</li> <li><input type="checkbox"/> Shows some understanding of the ground motion selection</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Very good explanation of ground motion selection</li> <li><input type="checkbox"/> Shows good understanding of the ground motion selection</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Excellent explanation of ground motion selection</li> <li><input type="checkbox"/> Shows excellent understanding of the ground motion selection</li> </ul>	/4
<b>Analysis Method</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Poor/no explanation of analysis method</li> <li><input type="checkbox"/> Shows poor/no understanding of structural systems</li> <li><input type="checkbox"/> Unreasonable predictions</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Good explanation of analysis method</li> <li><input type="checkbox"/> Shows some understanding of the structural system</li> <li><input type="checkbox"/> Unreasonable predictions</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Very good explanation of analysis method</li> <li><input type="checkbox"/> Shows good understanding of the structural system</li> <li><input type="checkbox"/> Reasonable predictions</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Excellent explanation of analysis method</li> <li><input type="checkbox"/> Shows excellent understanding of the structural system</li> <li><input type="checkbox"/> Exceptional predictions</li> </ul>	/4
<b>Clarity and Organization</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> No logical organization</li> <li><input type="checkbox"/> Poor use of slides</li> <li><input type="checkbox"/> Design concept not understood</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Poor logical organization</li> <li><input type="checkbox"/> Good use of slides</li> <li><input type="checkbox"/> Design concept mostly understood</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Good logical organization</li> <li><input type="checkbox"/> Very good use of slides</li> <li><input type="checkbox"/> Design concept understood</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Excellent logical organization</li> <li><input type="checkbox"/> Excellent use of slides</li> <li><input type="checkbox"/> Design concept clearly understood</li> </ul>	/4
<b>Communication Skills</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> No eye contact with audience, or reads entirely from slides</li> <li><input type="checkbox"/> Audience disengaged</li> <li><input type="checkbox"/> Unable to answer questions</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Some eye contact, but mostly reads from slides</li> <li><input type="checkbox"/> Audience somewhat engaged</li> <li><input type="checkbox"/> Attempts to answer questions, but not accurately</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Consistent eye contact with little reference to slides</li> <li><input type="checkbox"/> Audience is mostly engaged and interested</li> <li><input type="checkbox"/> Understands and answers questions</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Maintains eye contact throughout presentations</li> <li><input type="checkbox"/> Audience is consistently engaged and interested</li> <li><input type="checkbox"/> Understands and answers questions thoroughly</li> </ul>	/4
<b>Total:</b>					<b>/28</b>

Additional Comments (will be anonymously provided to the team): \_\_\_\_\_

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