

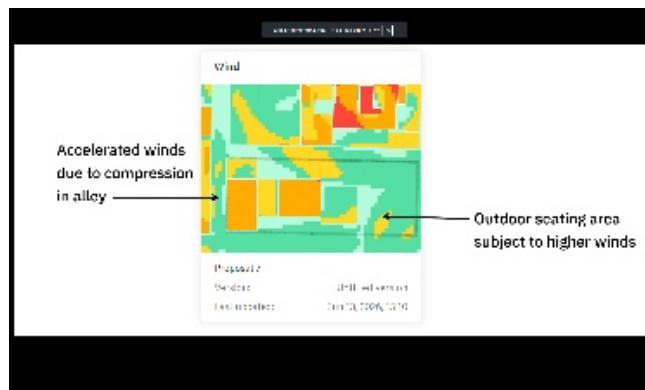
Practice exercise

Create presentations and delivery a story with the Forma Board

Using the content created from the 311 East McDaniel site, this practice exercise gives you the opportunity to bring together your work process and proposal presentations inside of Forma Board. You will do this by selecting two (or more if you have teams) different proposals and creating an in-depth comparative analysis between the proposals, creating a story for your design decisions.

Learning objectives:

- Move your project from design exploration to informed decision making.
- Balance informational data with communication data.
- Develop visuals to explain complex site layout concepts and simulation data.



Completed exercise

1. Create a site layout concept image in Forma Board by building a view to bring into Board. Then, create an image overlay by drawing a diagrammatic sketch to help explain the site layout. Use the transparency settings so the sketch and view from Forma Site Design work together as a single image.

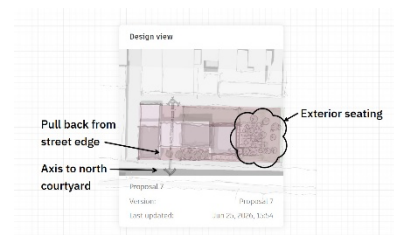


Figure 1. Forma Board sketch overlay.

Use the text tools in Forma Board for annotation and callouts, and the shape tool to highlight specific features.

A drawing and digital model together help connect the idea to the ideation process and connect your design concept to the client. Depending on the circumstances, the diagram sketch can come before the 3d model is created or afterwards, to help explain the design.

2. Create an image highlighting the proposal's *best* response to the wind simulation (this could be the rapid, or detail) and add text and callouts explaining your observations and the reason for this particular feature of the design proposal working well with wind.

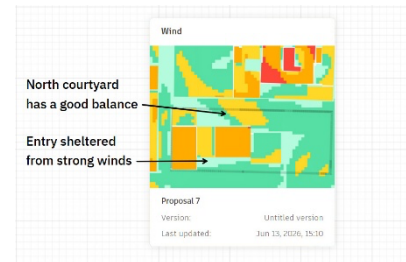


Figure 2. Wind notes.

3. Create an image highlighting the proposal's *weakest* or most bothersome response to wind (this could be the rapid, or detail) and add text and callouts explaining your observations and the reason for this particular feature of the design proposal *not* working well with wind.



Figure 3. Wind notes.

4. Repeat steps 2 and 3 above with at least two additional analyses (sun, microclimate, solar), creating a clear view

into the proposal that explains both a positive and negative point revealed by the simulation data.

- 5. Develop the analysis notes into a proposal by adding frames around the sketch and image with annotations. Create a comprehensive presentation that explains a compare and contrast of features and faults of two or more proposals.

Create one of two different basic processes for setting up the linear presentation: Walk through one proposal at a time and focus on each piece of information. Or, walk through each simulation studying the comparisons of sun, wind, microclimate, etc.



Figure 4. Presentation View.

Grading Rubric:

	Advanced	Proficient	Basic	Emerging
Questions resolved	Well thought out response connecting design intent with data	Correct answers not implicitly tied to the design ideas.	Answers completed, but little to no application to the design	Answers are incomplete and/or incorrect

Is the data presented accurately	Accurate, applied, and presented with understanding	Completed, correct	Minor errors or missed interpretations	The data is either not completed, presented, nor available
Explanations provided with clarity (graphic and/or written)	Design ideas and design data are presented clearly and creatively	Clear responses and graphics	The information and graphics are presented, but not connected or composed	Incomplete or not legible
Creativity in the presentation	The presentation is innovative and insightful with new ideas informed by the data created in Forma Site Design	There is quality to the presentation, but the connection to the simulation data is not clear	Quality presentation, but there does not appear to be connections to the data created by Forma	The presentation does not meet or resolve the questions proposed in the Challenge assignment.

Voice-over for the answer key video:

The goal for this assignment is to help build understanding the capabilities of Forma Board by constructing a file that has multiple resources including: traditional drawings, diagrams, 3d modeling, and data visualization – and blends them into a cohesive presentation.

Quality presentations by the students will answer each of the questions listed, while providing their unique insights on how the data is relating to their design thinking.

Selecting the right image and view to clearly convey the data is crucial Then, each data point needs either the necessary call out with labels, or the correct short description communicating the finer points on how and why the simulation data is relevant.

A good presentation tells a good story – so a quality presentation should be cohesive in terms of how it builds a line of communication: communicating the site and site context, design strategy, and then detailed elements on the analysis.