DESIGNING TOGETHER:

Leveraging Collaborative Design Thinking In Planning Educational Spaces





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LEARNING OBJECTIVES

This session will give participants a first-hand experience of the **Empathy—Define—Ideate workshop** model.

Participants can use it to solicit and collate information and ultimately create consensus among a large and diverse group of stakeholders.

After this session, participants will know how to **create an Empathy Map**, a simple and meaningful analog tool soliciting often-overlooked qualitative information from a large group of stakeholders to develop a shared understanding of end-user needs beyond a typical space-needs programming spreadsheet.

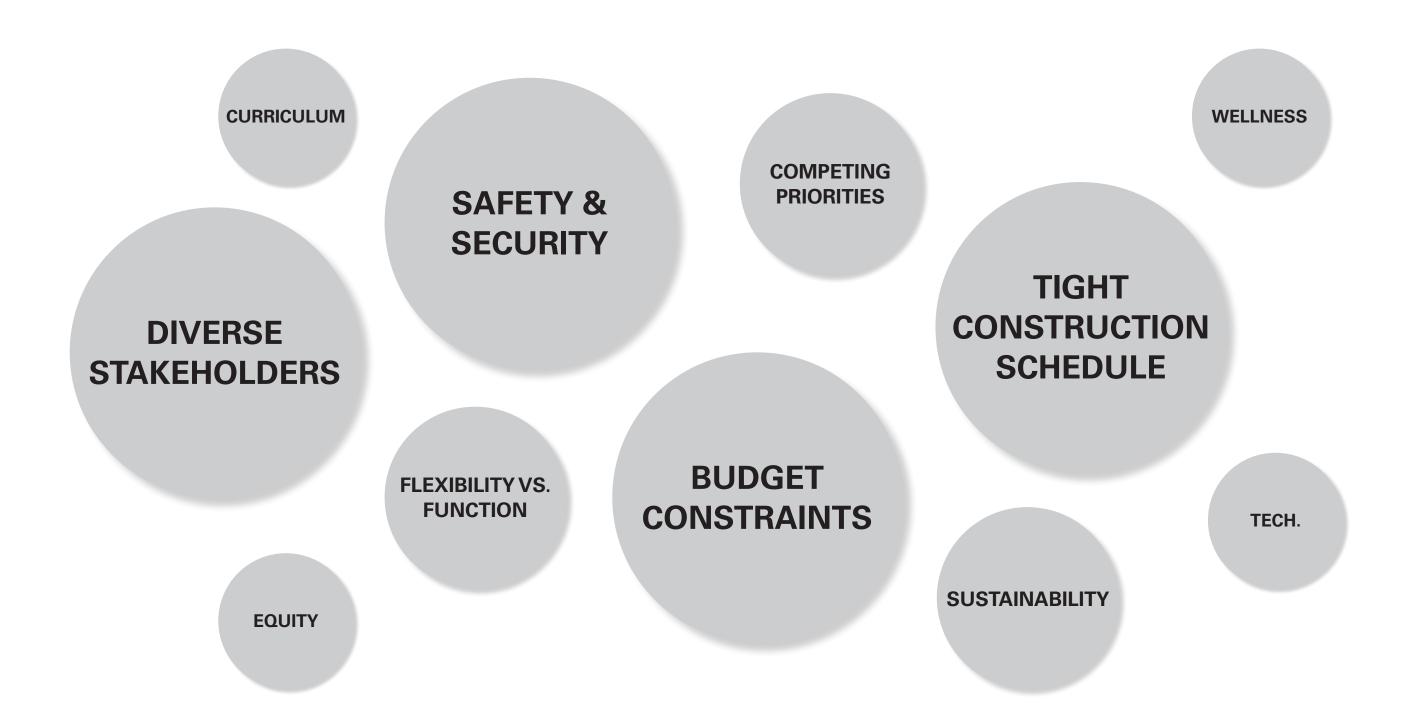
After this session, participants will know how to navigate the steps necessary to prepare for the Empathy—Define—Ideate workshop, from working with the project's administrators to identify key stakeholder groups to organizing and preparing the physical materials necessary to ensure the workshop's success.

After this session, participants will clearly **understand the value** of using the Empathy—Define—Ideate workshop model and will be **equipped to advocate for its importance** and role in the earliest phases of a project.

(1)	WHY DESIGN THINKING?	>>
(2)	EMPATHY-DEFINE-IDEATE WORKSHOP	>>
(3)	PREP WORK NEEDED	>>
(4)	URUGUAYAN AMERICAN SCHOOL	>>



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TRADITIONAL APPROACHES

TOP-DOWN DECISIONS

Pros:

- Fast

Cons:

 Not really designing for the end user

SPREADSHEETS

Pros:

 Good for gathering quantitative data

Cons:

- Doesn't show priorities.
- Doesn't build consensus.

SURVEYS

Pros:

- Good for collecting data from different stakeholders.

Cons:

- Doesn't build consensus.
- Leaves too much up for interpretation.
- Does not include end user in design process.

DESIGN WORKSHOPS

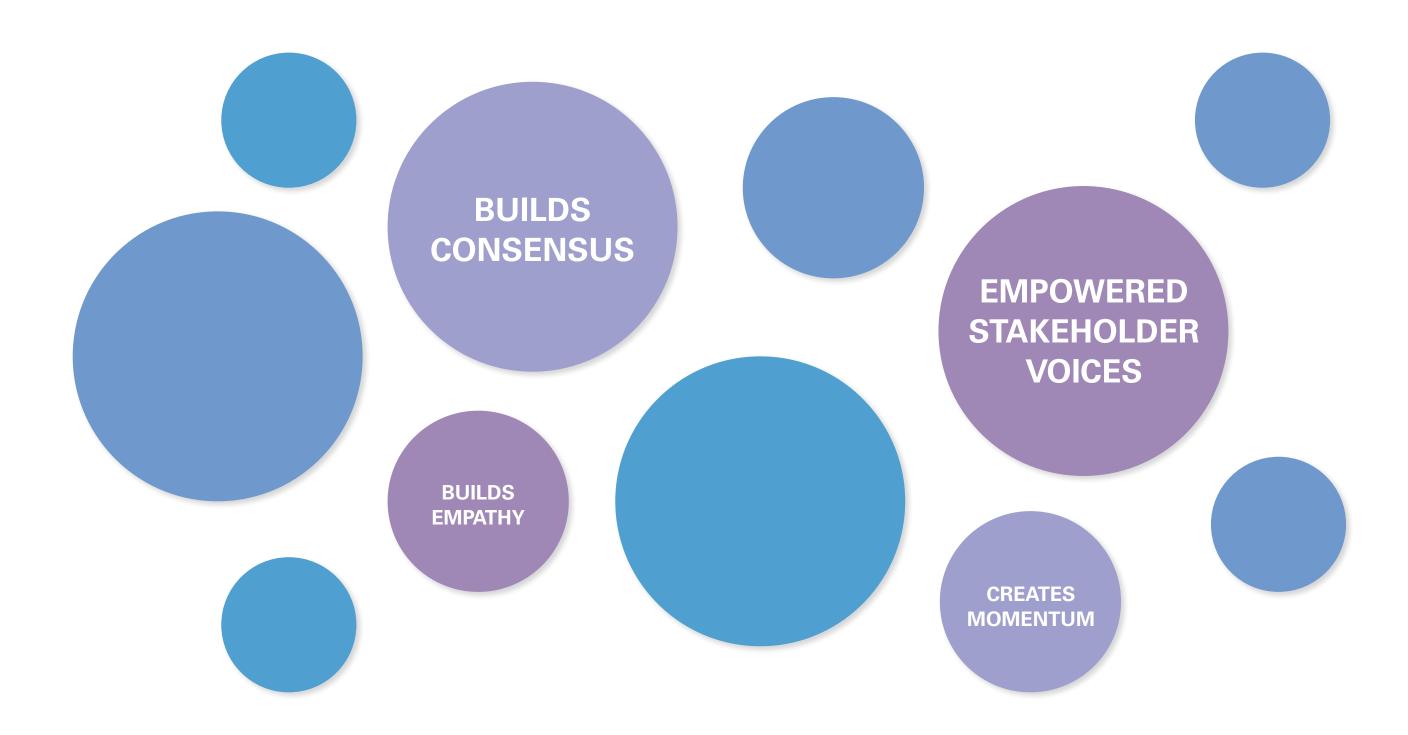
Pros:

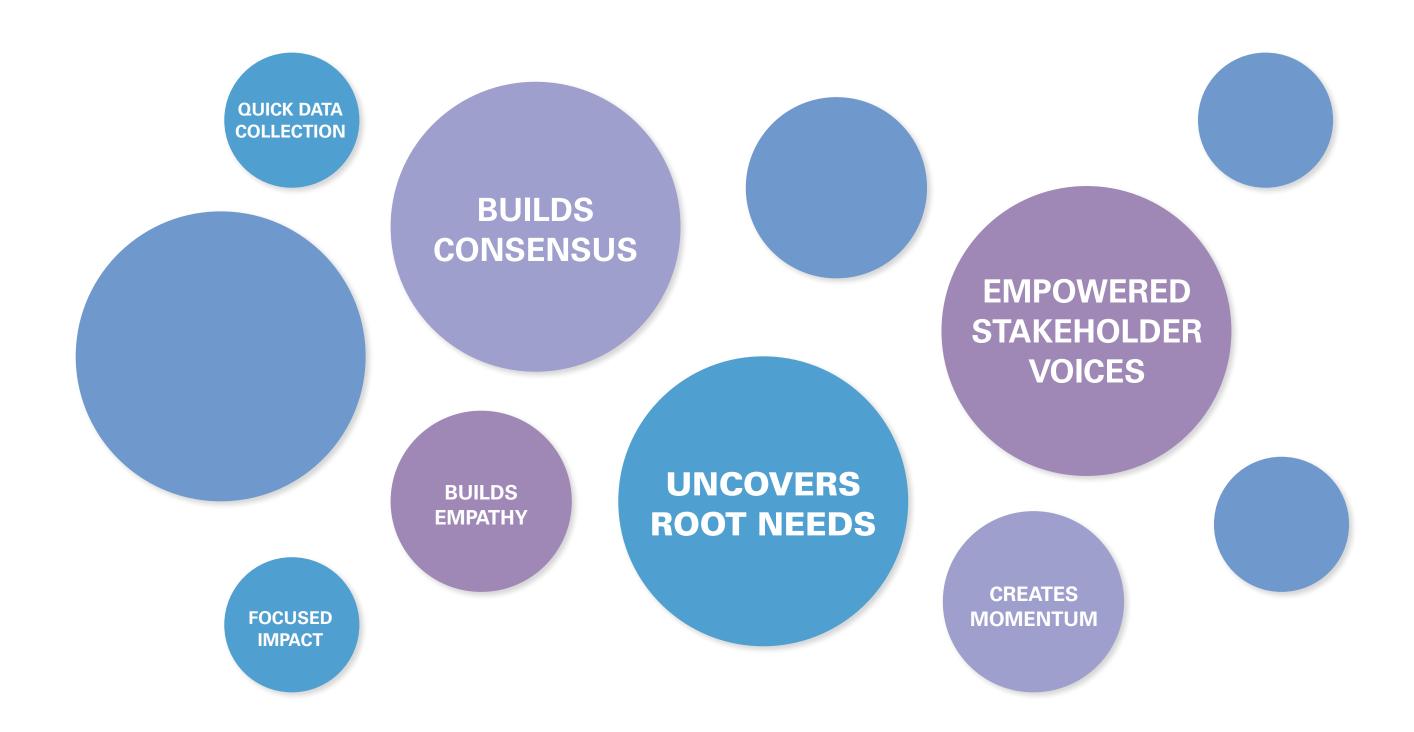
- Includes end user/ stakeholders in the design process.
- Collaborative process.

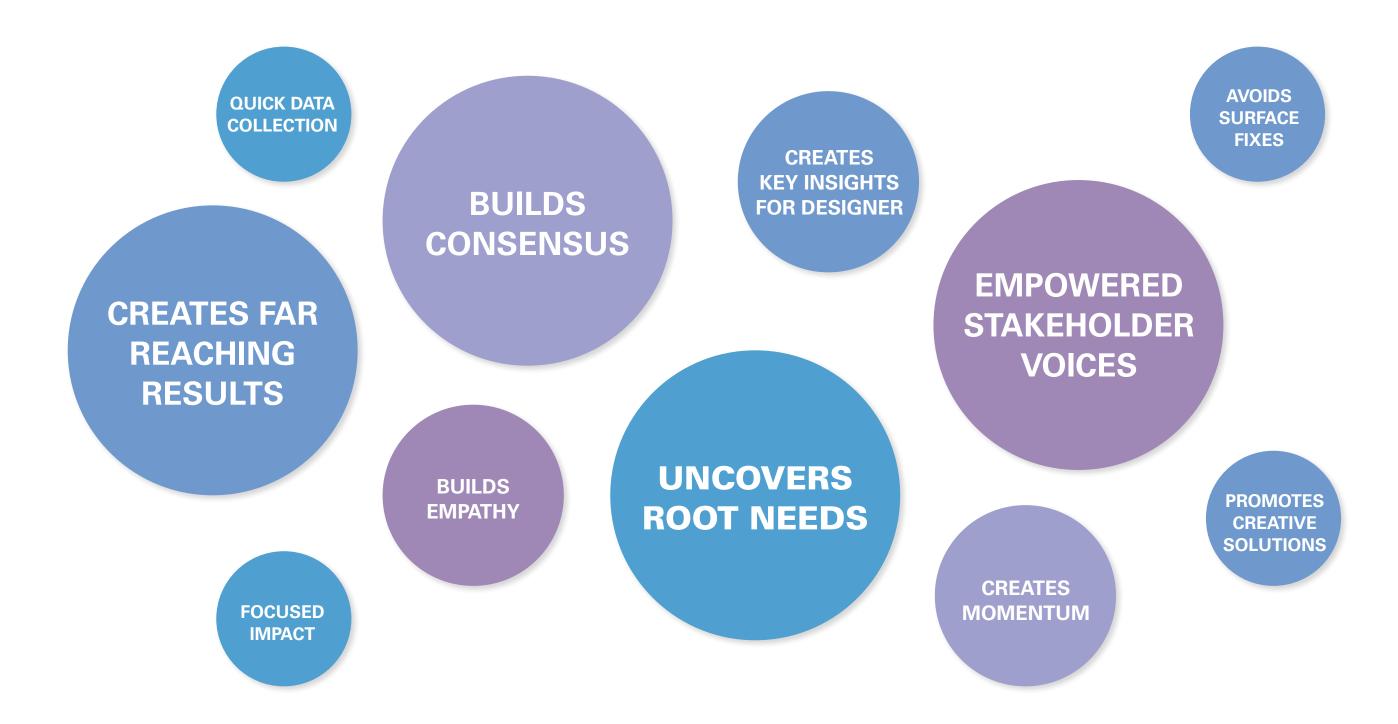
Cons:

- Ends up on Bandaid/ superficial solutions.
- Lacks understanding of architect's real role
- Painkiller vs. Vitamin

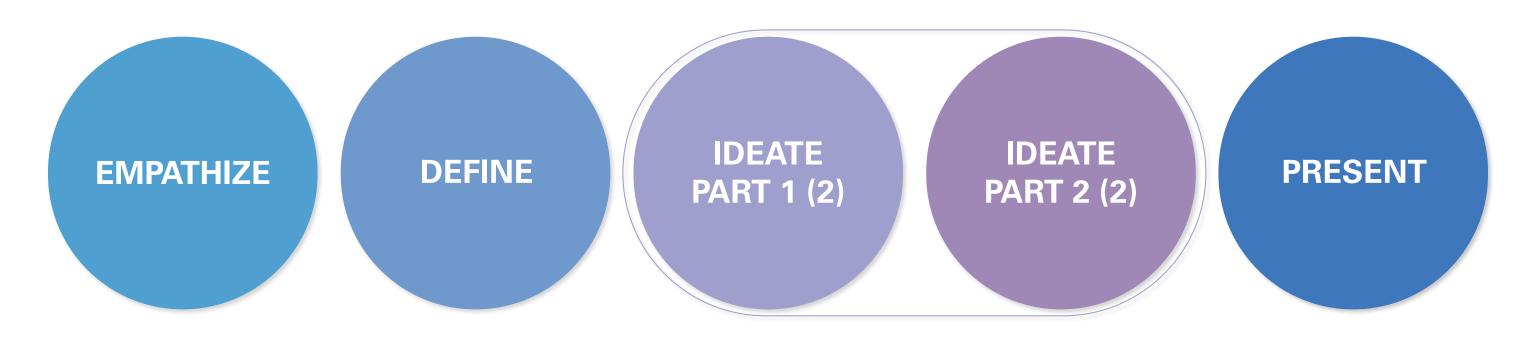
HOW DOES THE DESIGN THINKING WORKSHOP IMPROVE THE PROCESS?







EMPATHY - DEFINE - IDEATE WORKSHOP





TIME:

25 minutes

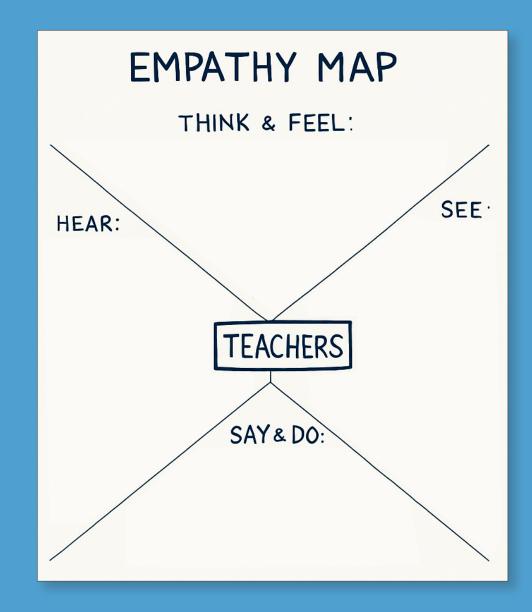


GOAL:

Understand the End-User's experience.



EXECUTION:





TIME:

25 minutes

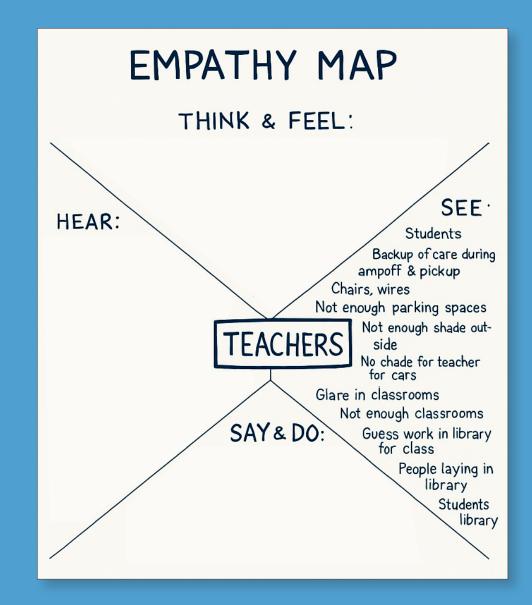


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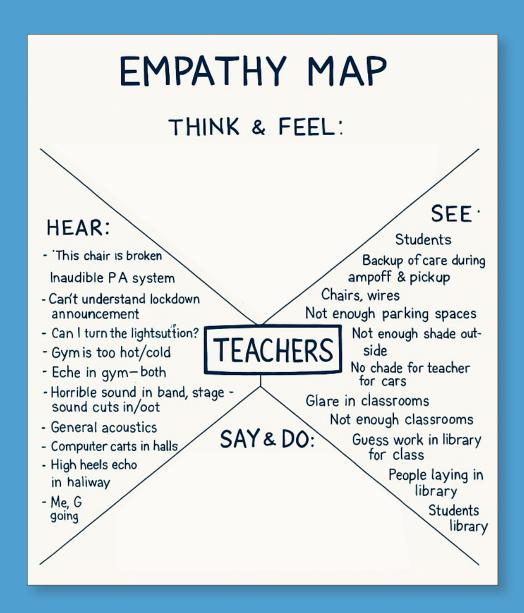


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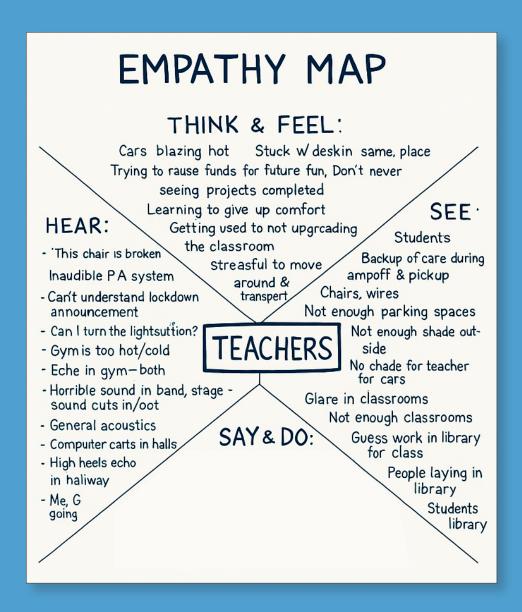


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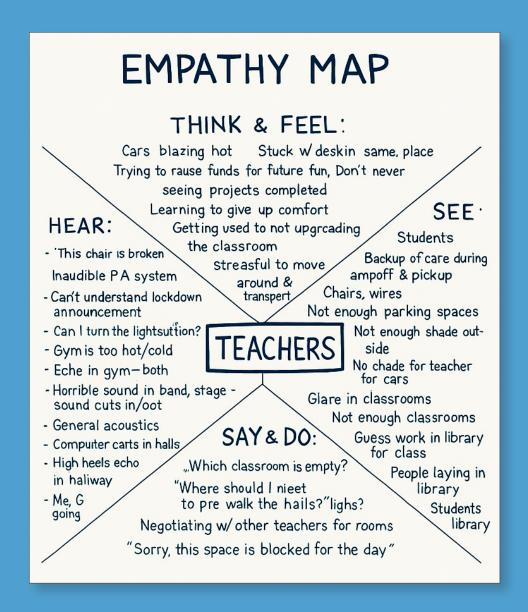


GOAL:

Understand the End-User's experience.



EXECUTION:



DEFINE



TIME:

20 minutes



GOAL:

Define the questions/challenges to be solved



EXECUTION:

Use Empathy Map to brainstorm questions that will need to be answered with design solution. Start question with "HOW MIGHT WE?"

HOW MIGHT WE ...?

DEFINE



TIME: 20 minutes



GOAL:

Define the questions/challenges to be solved



EXECUTION:

Use Empathy Map to brainstorm questions that will need to be answered with design solution. Start question with "HOW MIGHT WE?"

HOW MIGHT WE ...?

- 1. How might we provide a space for teachers to plan or grade?
- 2 How might we provide a space for teachers to eat & have downtime?
- 3. How might we better assign rooms for floating/sharing?
- 4. How might we better ensure confidentiality?
- 5. How might we store & check out technology without someone having to facilitate?
- 6. How might we streamline gear check out?
- 7. How might we better use common spacesto encourage student socialization & make them feel comfortable?
- 8. How might we improve safety in labs?
- 9. How might we improve storage? (Create better storage for student belonging?
- 10. How might we improve wiring?
- 11. How might we get better control of book lending from class sets?
- 12 How might we encourage cell phone detachment to encourage socializing?
- 13. How might we better conserve energy especially lighting?
- 15. How might we create more shade outside for students & cars?

IDEATE (PART 1 OF 2)



TIME: 15 minutes



GOAL:

Individually come up with as many solutions/ideas to the already defined questions



EXECUTION:

Provide every participant with a stack of post-its and a pen and direct them to write down one idea/solution per post it.



IDEATE (PART 2 OF 2)



TIME:

20 minutes



GOAL:

Build consensus within a 4-6 group participant on the best solutions



EXECUTION:

Form groups of 4-6 participants and have them go through all their individual ideas and discuss the 2 or 3 solutions they agree is best. They will write the 2 or 3 best solution in a card stock to present to the group.



PRESENT



TIME: 10 minutes



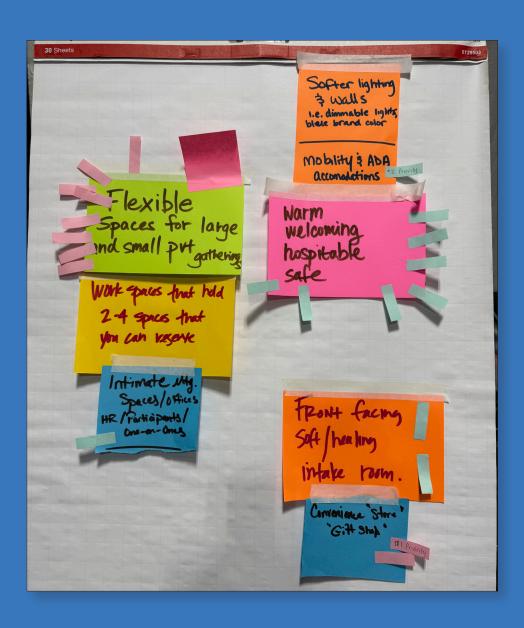
GOAL:

Present the best ideas to the whole group and bring awareness to the priorities



EXECUTION:

1 member of each group to present their main ideas and pin them at the presentation wall. Facilitator will then group overlapping solutions and then have participants apply their final stickers showing priorities.



EXAMPLE

EMPATHIZE

THINK / FEEL:

HEAR: SEE:

SAY / DO:

DEFINE

HOW MIGHT WE...?

IDEATE PART 1 (2)

QUICK INDIVIDUAL IDEAS:

IDEATE PART 2 (2)

REFINED AND EDITED IDEAS:

FUNNEL OF PRIORITIES

EMPATHIZE

THINK FEEL:

HEAR:

SAY / DO: DEFINE

HOW MIGHT WE...?

IDEATE PART 1 (2)

QUICK INDIVIDUAL IDEAS:

IDEATE
PART 2 (2)

REFINED AND EDITED IDEAS:

ALLTHE PAIN POINTS ----

WHICH OF ALLTHESE PAIN POINTS NEED TO BE ANSWERED BY THE DESIGN SOLUTION?

WHICH OF ALL
→ QUESTIONS AM I
CHOOSING TO ANSWER?

WHICH DO WE
AGREE ARETHE BEST
SOLUTIONS?

DO'S + DON'TS

KEYS TO SUCCESS

- Facilitator/coordinator on owner side
- Safe space/separation between stakeholders for candid conversations
- Groups no larger than 30 people
- Do the required Prep-work

COMMON PITFALLS

- Facilitator needs to stick to workshop guidelines to avoid inserting personal views/agenda.
- If stakeholder group know each other well, consider randomizing before getting to "ideate" to promote good discussion and avoid clique outcome.
- Showing up unprepared

STEP 1:	COORDINATE PRE-WORKSHOP MEETING WITH 2 REPRESENTATIVE OF EVERY GROUP ASSUMED.
STEP 2:	
STEP 3:	
STEP 4:	
STEP 5:	
STEP 6:	
STEP 7:	
STEP 8:	
STEP 9:	

Designing Together: Leveraging Collaborative Design Thinking in Planning Educational Spaces

COORDINATE PRE-WORKSHOP MEETING WITH 2 REPRESENTATIVE OF EVERY GROUP ASSUMED. STFP 1: INTHE MEETING, CONFIRM ASSUMED REPRESENTATION OF STAKEHOLDER GROUP IS RIGHT. STEP 2: STEP 3: STEP 4: STEP 5: STEP 6: STEP 7: STEP 8: STEP 9:

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STEP 6: SCHEDULETHE WORKSHOP DAYS, TIME AND LOCATION.

STFP 7:

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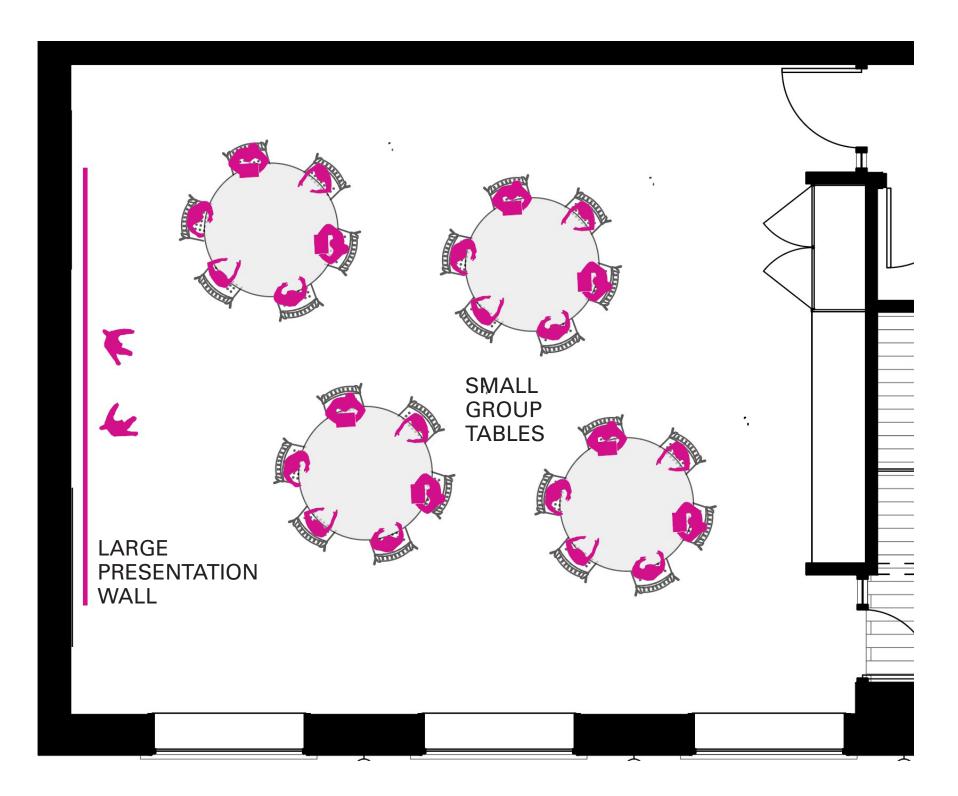
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STEP 6: SCHEDULE THE WORKSHOP DAYS, TIME AND LOCATION.

STEP 7: COORDINATE ALL ROOM REQUIREMENTS.

STEP 8:



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STEP 8: GATHER ALLTHE MATERIALS.

STFP 9:



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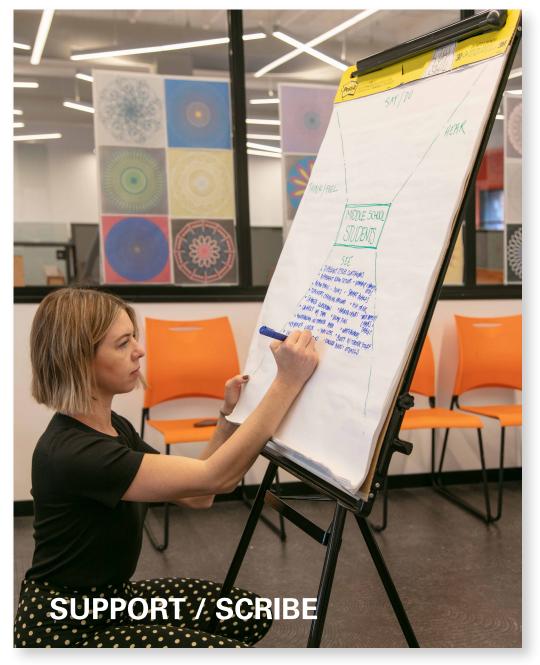
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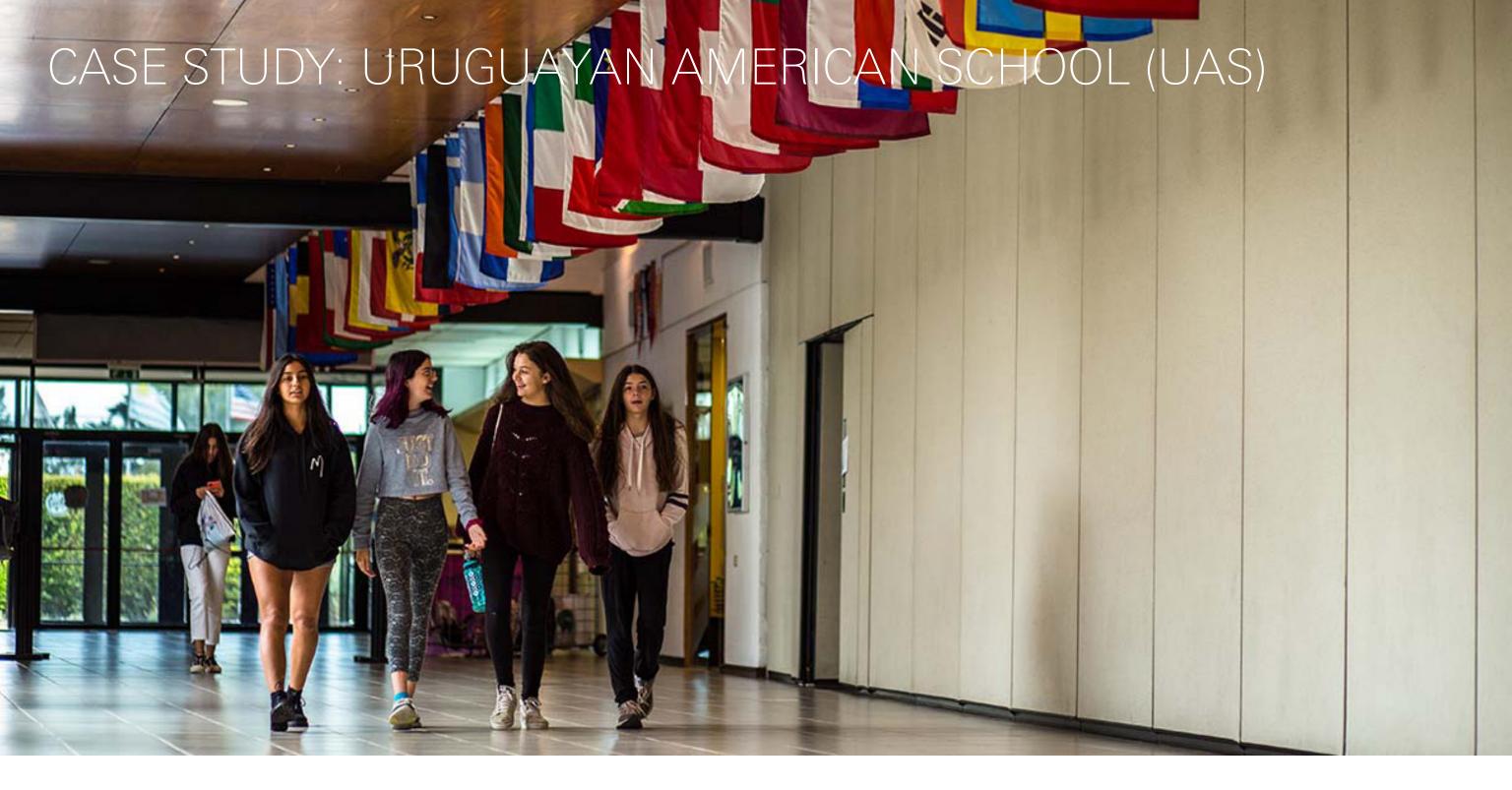
STEP 8: GATHER ALL THE MATERIALS.

STEP 9: ASSIGN ROLES.

TEAM







OUR WEEK IN MONTEVIDEO - URUGUAY

WORKSHOPS
TOURS
USER WALKS
MEETINGS
FLEX

Monday, December 5

Time	Duration	Activity	Participants	Location
7:458:30 AM	45 min	Settle in & Set up home base	Castellano, Varela, Beata	Container
8:3010:00	75 min	General Tour	Beata, Varela, Testorelli, GRC, Mugnolo, Rockwell, Principals (when in their area)	
10.45-11.15	30 min	Gym and Outdoor Tour with PE Staff	Bruni, Granger (sub), Figarola	Gym
11:30-12.15 PM	45 min	Computer Lab Tour	Cadenas (sub), Neth, M. Turner	Comp Lab
12.30-1.15	45 min	Auditorium & Music Room Tour	Carvalho, Rodriguez, Baranzano	Auditorium
1:152:15	60 min	Lunch		
2:153:15	60 min	Meeting with Principals	Beata, Placeres, Murphy	Conference Room
3:153:45	30 min	Observe pick up		
3:45	10 min	Touch base	Beata	Container

Tuesday, December 6

Time	Duration	Activity	Participants	
7:408:05	25 min	Observe Drop Off	Beata	
8.15- 9.45	90 min	Secondary Teachers Workshop (Group 1)	Almiron (sub), Cadenas (sub), Caballero, Carvalho, Foege, Fraigola, Granger, Lena, Lopez, Orrico, Wilkinson, Williams	Library
0.00-11.30	90 min	Secondary Teachers Workshop (Group 2)	Amarel, Carrazzone, Devidson, Dingley (sub), Laura (sub) Manzo, Serrano, Silva, Turner, Werlin, Zarsky	Library
11:302:00	90 min	Flex Time & Lunch		
2.00-2.30	90 min	Secondary Teachers Workshop (Group 3)	Baraibar, Baranzano, Coyle, Garrone (this is a B day), Luaces, Mills (this is a B day), Moskovics (sub), Neth (sub), Rodrigues (this is a B day)	
2:303:40	70 min	Flex Time & Lunch		
3:40 PM	30 min	Campus Walk with all teachers		
4:30 PM	10 min	Touch base	Beata	

In Case You Have Time or Are Interested

10.45 AM 30 min Clowns MS Performance

Auditorium

Wednesday, December 7

Time	Duration	Activity	Participants	
8:159:45	90 min	Workshop with Parents	Link to List	Library
10:3011:00	30 min	Meeting with Admissions Officer	Lorch	Admissions Office
11:1512:00	45 min	Library Tour	Ravera, Aguer	Library
12:001:30	90 min	Flex Time & Lunch		
1:302:00	30 min	Cafeteria Tour	Clementina Staff: Pancho and Martin	Cafeteria
2.00-3.30	90 min	Elementary Teachers & Staff	Link to list	Library
3:40 PM	30 min	Campus Walk with Parents		
4:30 PM	10 min	Touch base	Beata	

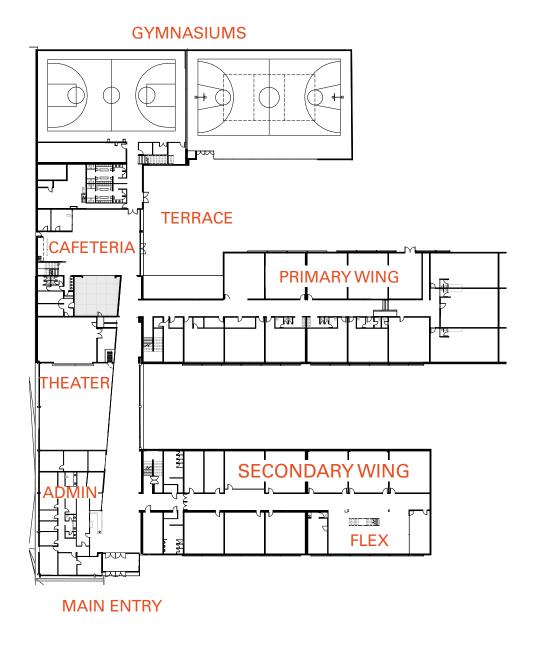
Thursday, December 8

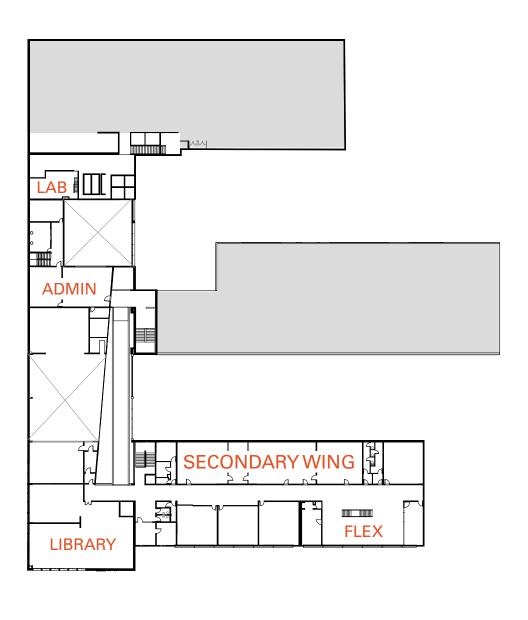
Time	Duration	Activity	Participants	
8.15- 9.25	70 min	Early Childhood Teachers	Link to list	Library
10.10-10.40	30 min	Activity with Elementary Students	Grade 4 Students (30)	Mauricio Levitin Gym
10.50-11.20	30 min	Activity with Elementary Students	Grade 3 Students (24)	Mauricio Levitin Gym
12.20-12.50	30 min	Activity with Elementary Students	Grade 5 Students (19)	Mauricio Levitin Gym
12:50-4:00	4 hrs	Flex Time & Lunch		

Friday, December 9

Time	Duration	Activity	Participants	
8:009:30	90 min	Debrief Meeting with Board	Board of Governors, GRC Architects	Conference Room
9:3012:30	3 hrs	Flex Time & Lunch		
1:452:45	90 min	Workshop with Secondary Students	Students to be determined. Doug will add link.	
After Workshop	30 min	Campus Walk with Students		
3:154:00	75 min	Flex Time/Touch Base	Beata	
3:0011:00		Dinner	TBD	

UAS EXISTING FLOOR PLANS

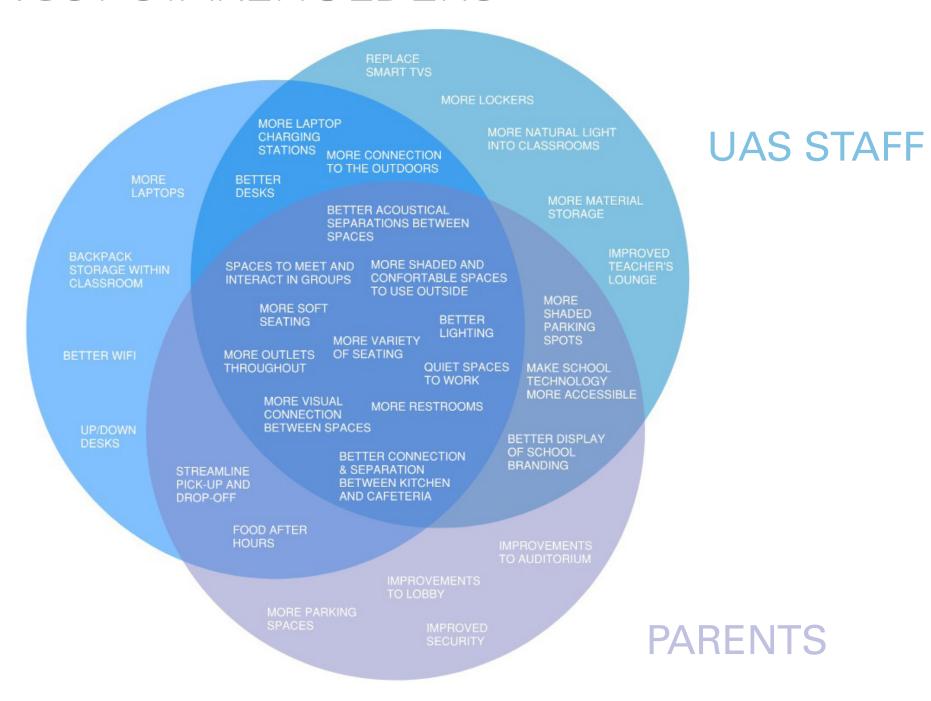


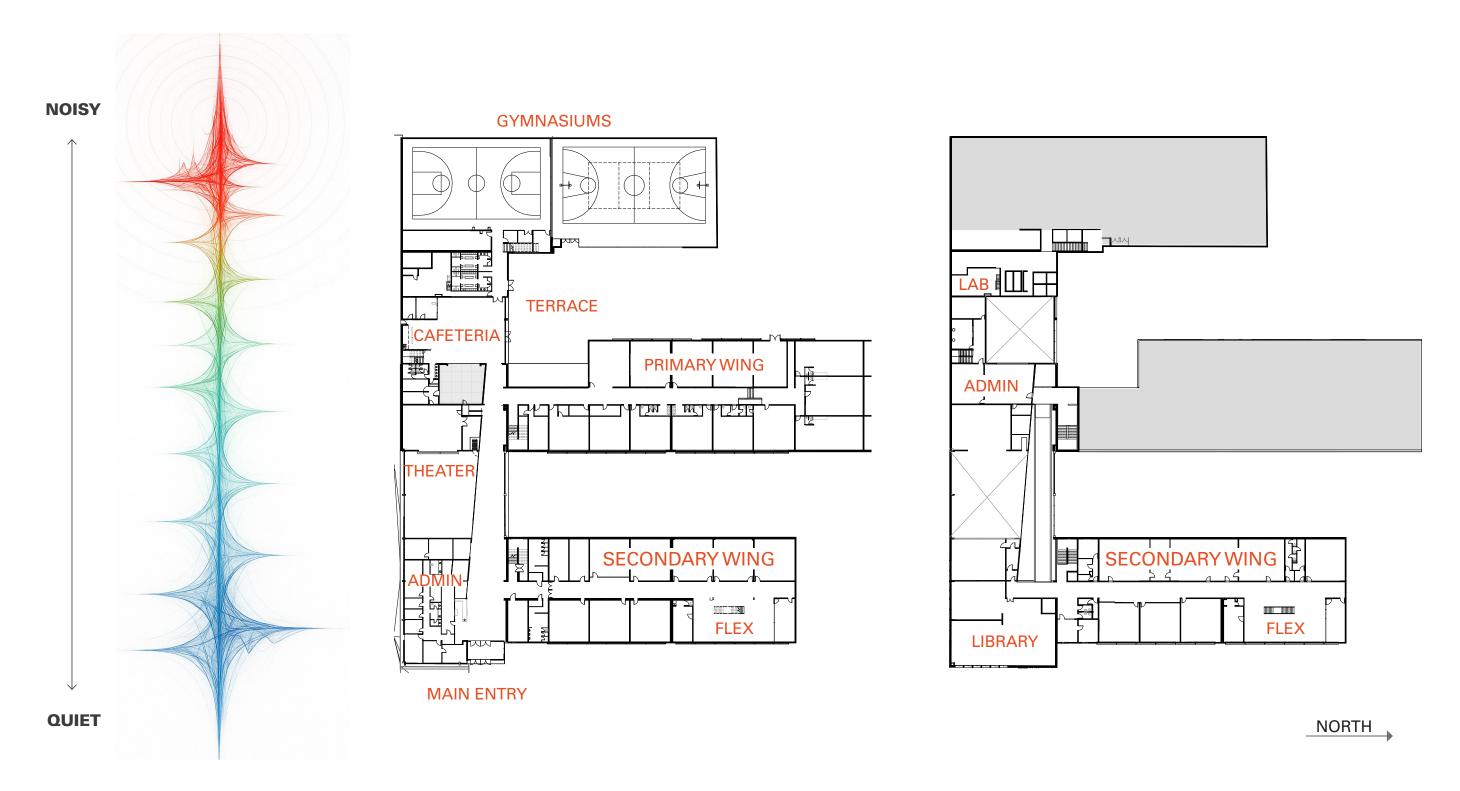


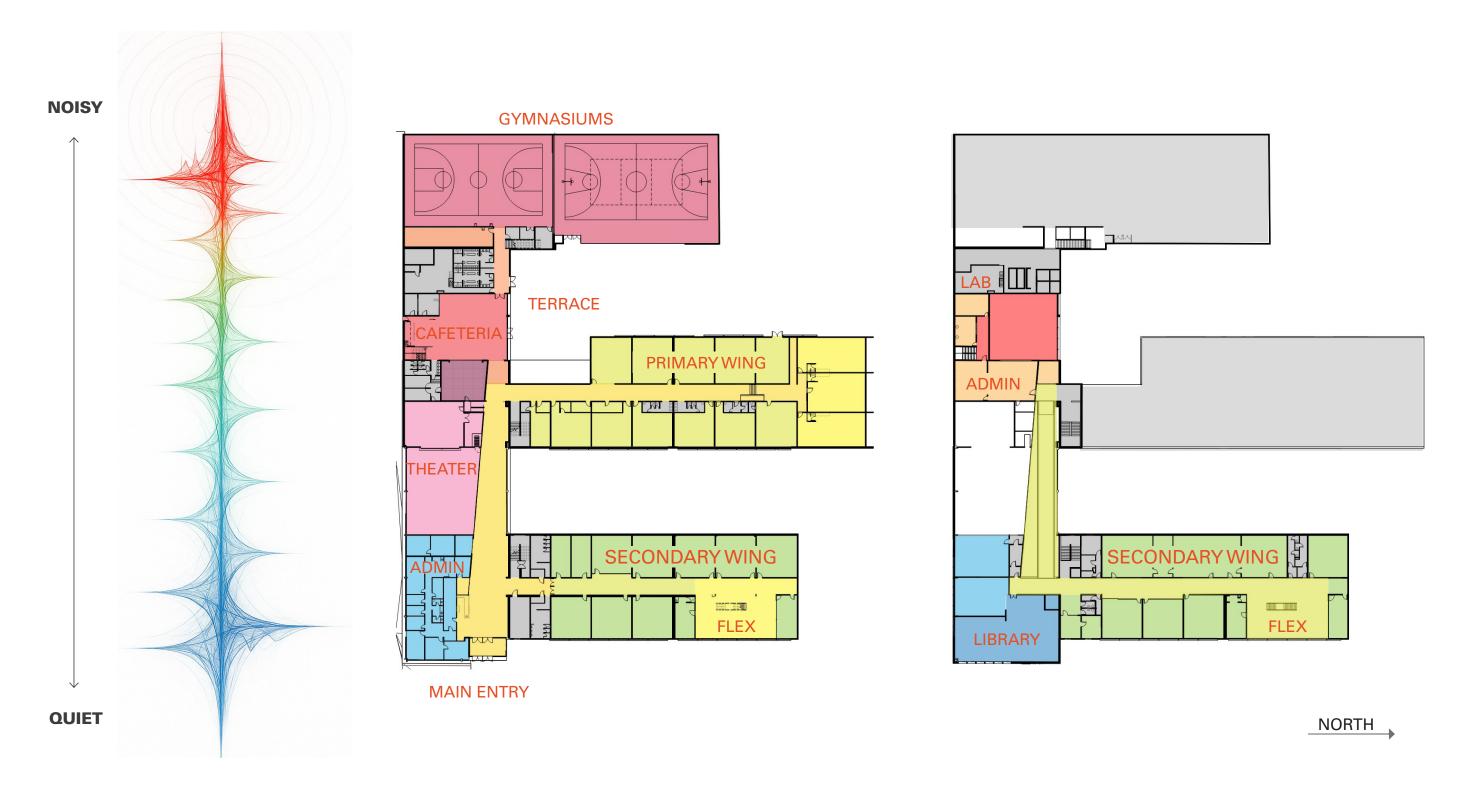
NORTH

FINDINGS AMONGST STAKEHOLDERS

STUDENTS



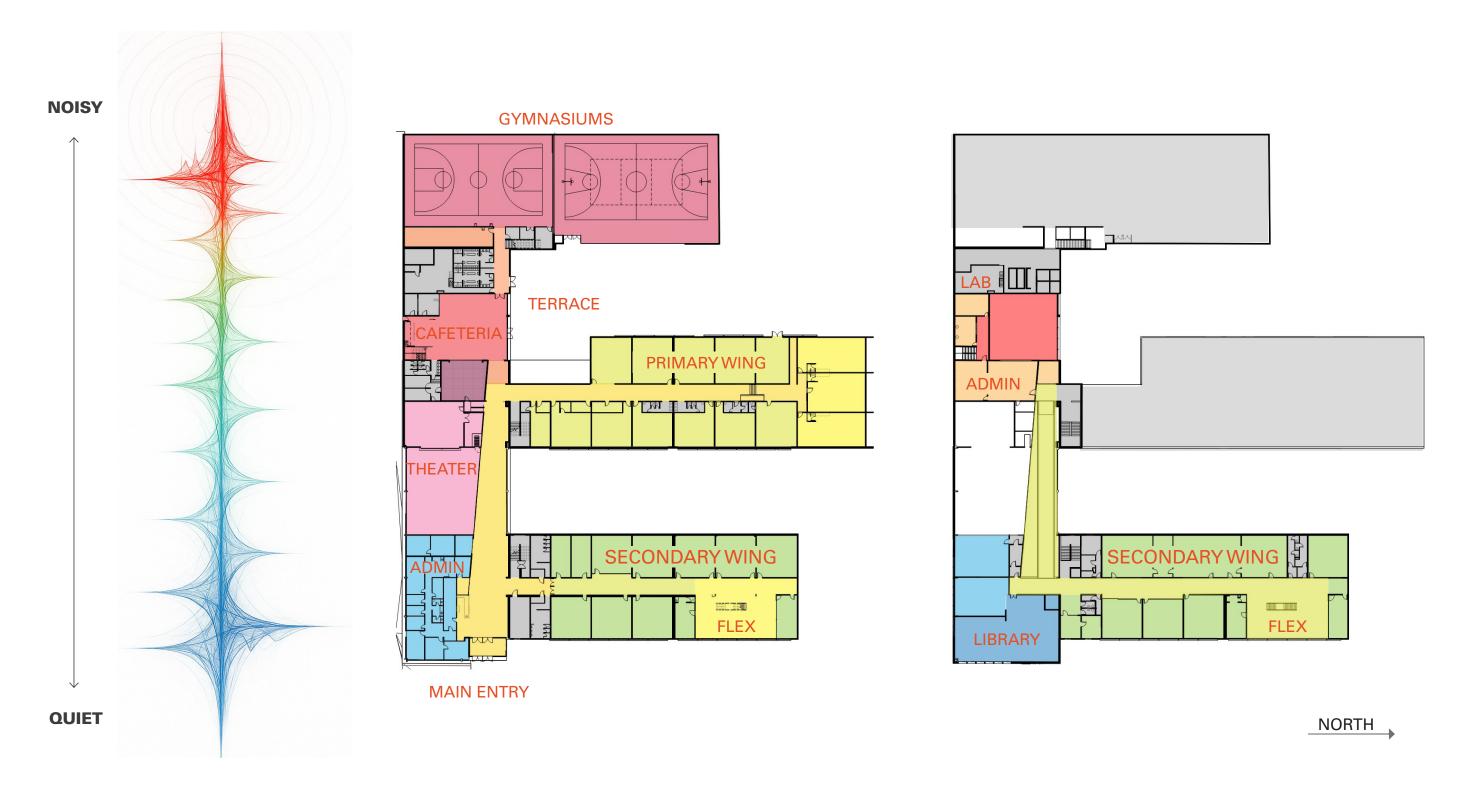


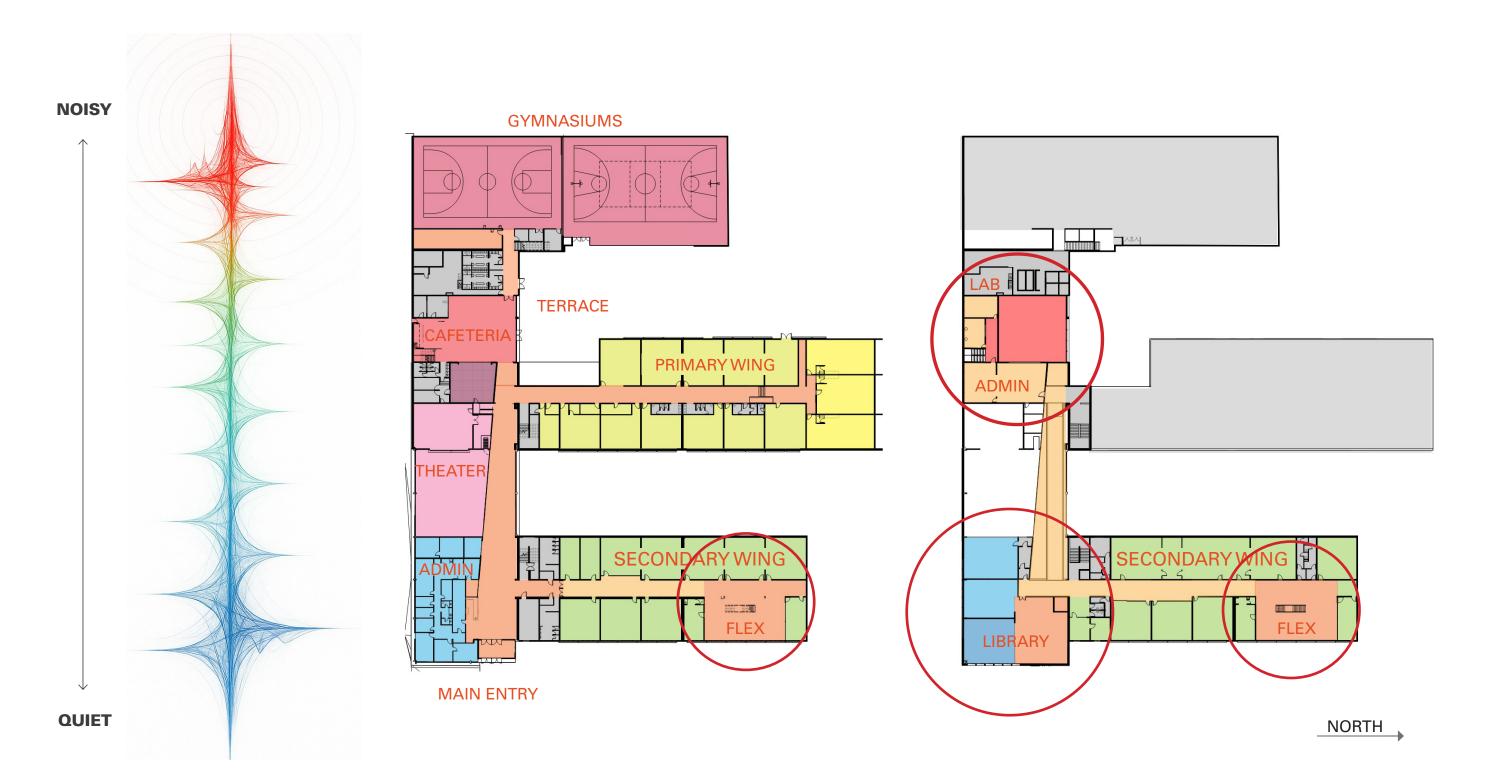


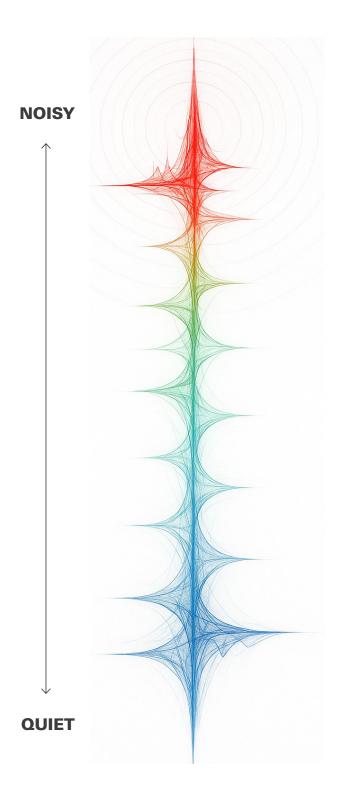


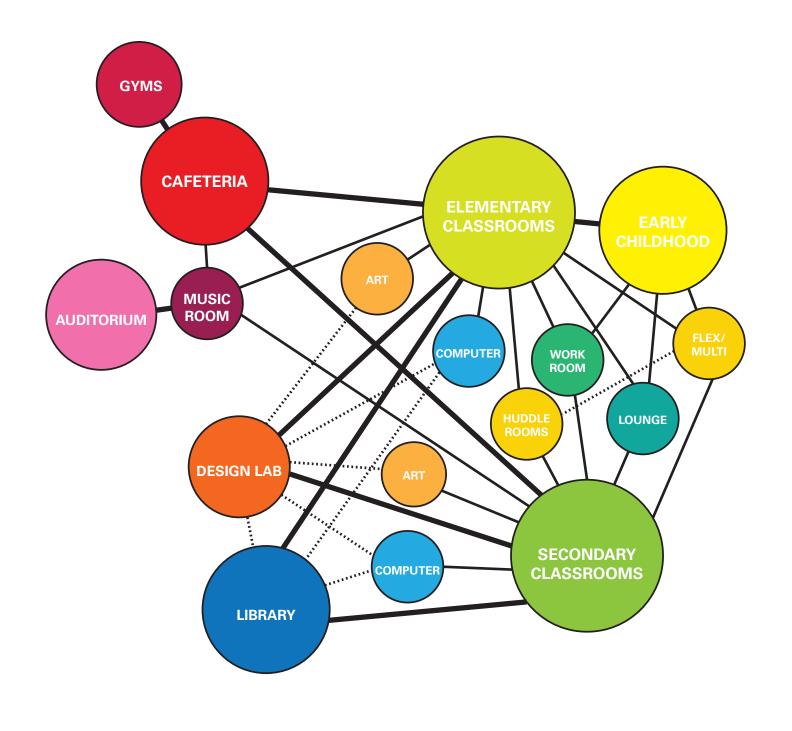




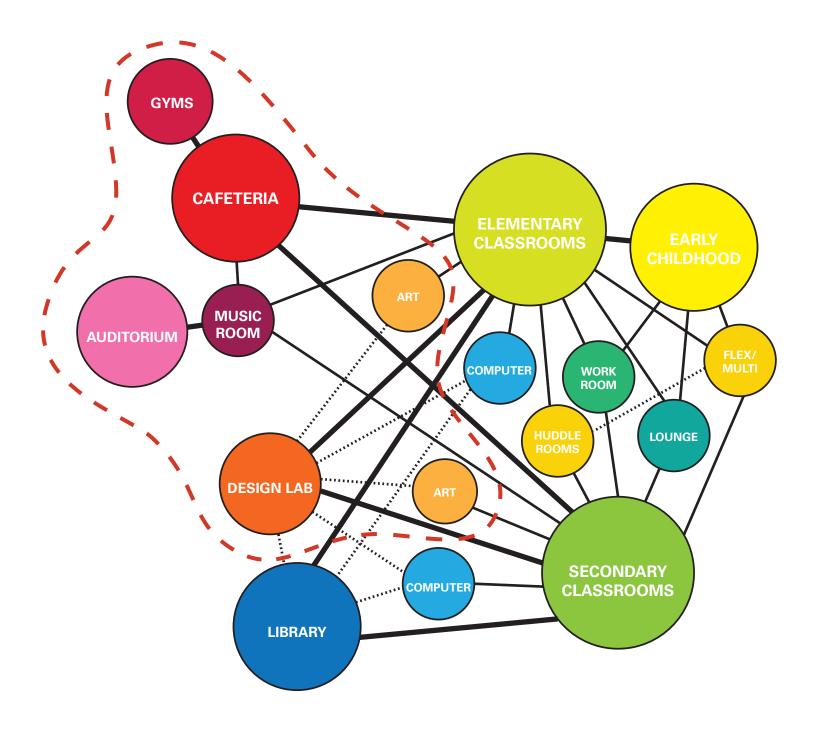


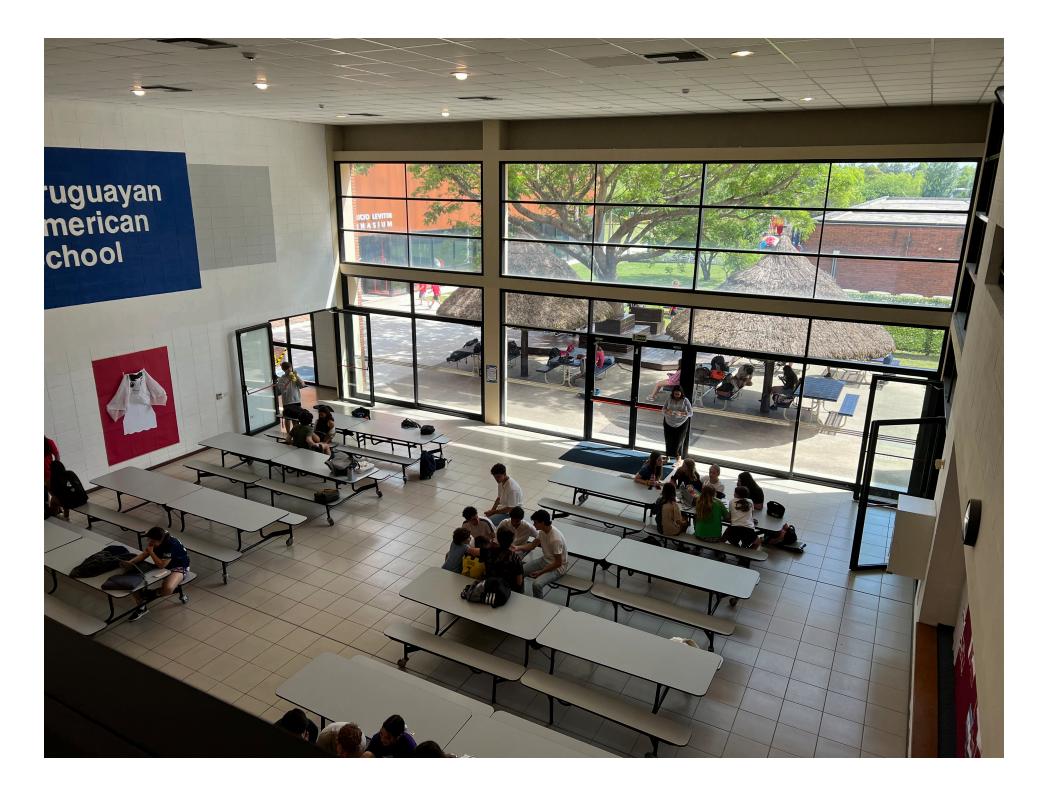


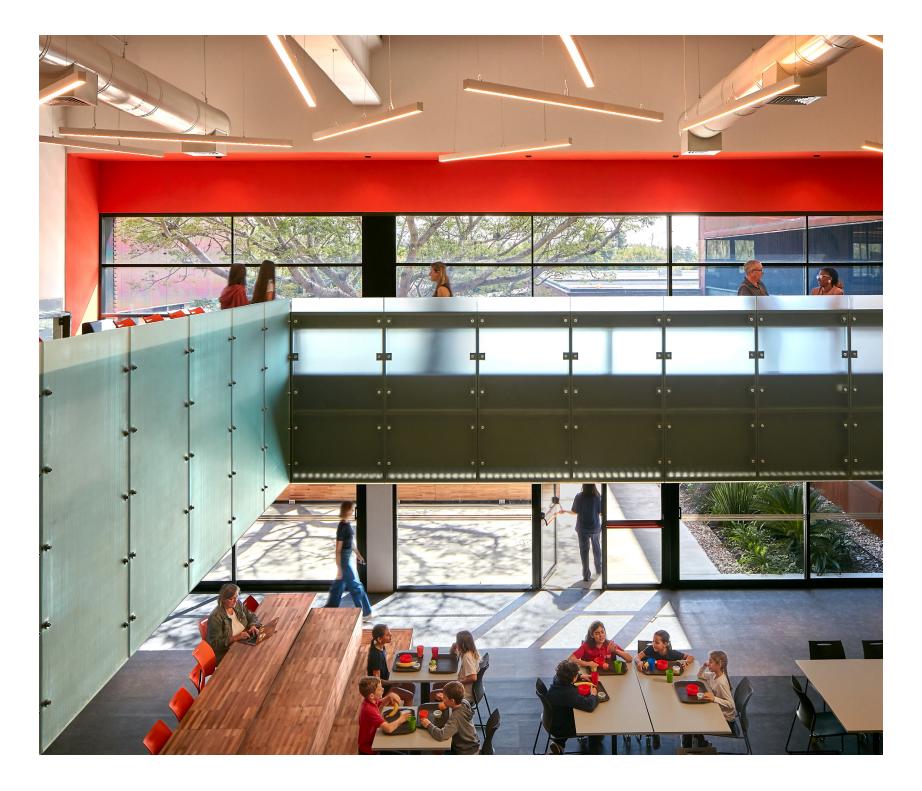




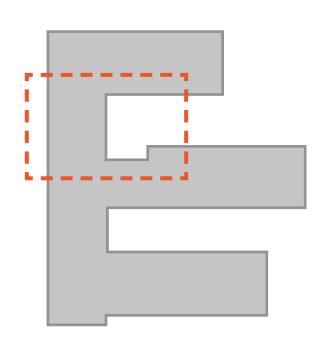


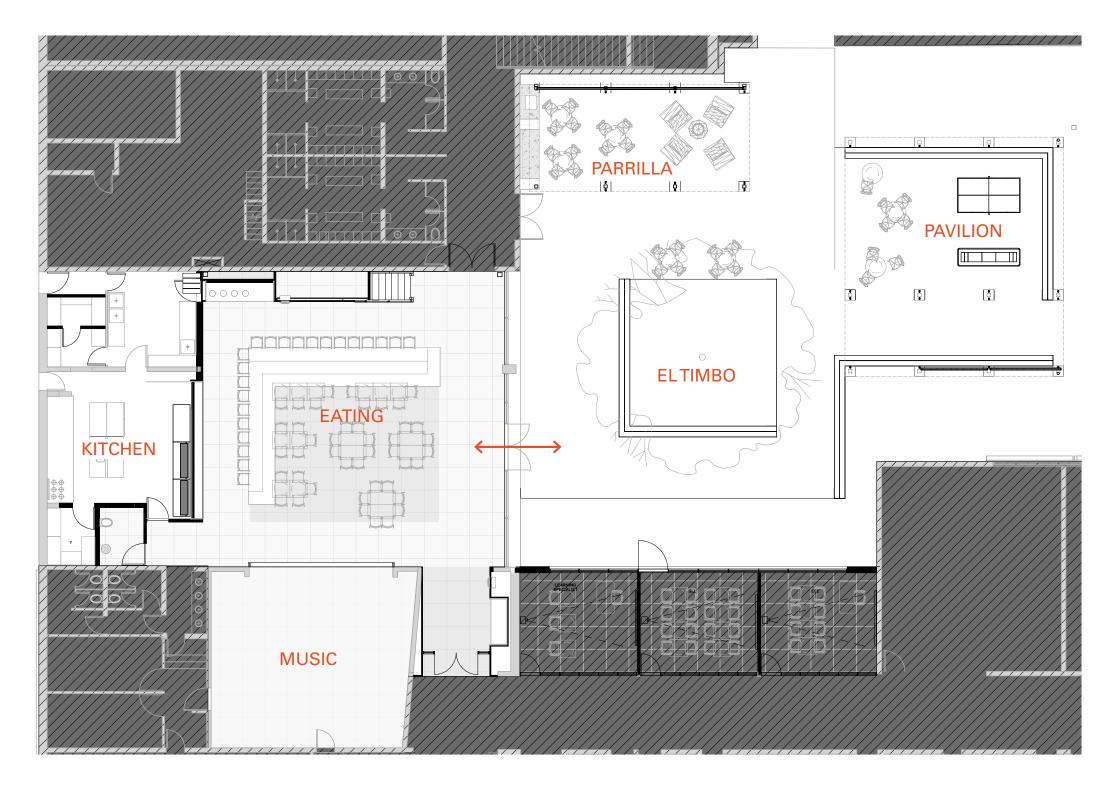




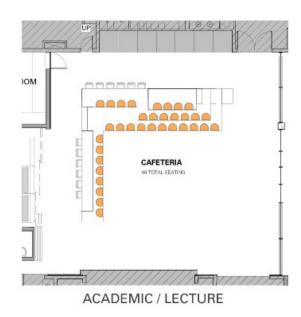


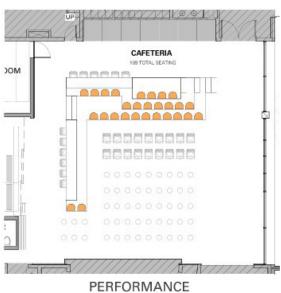
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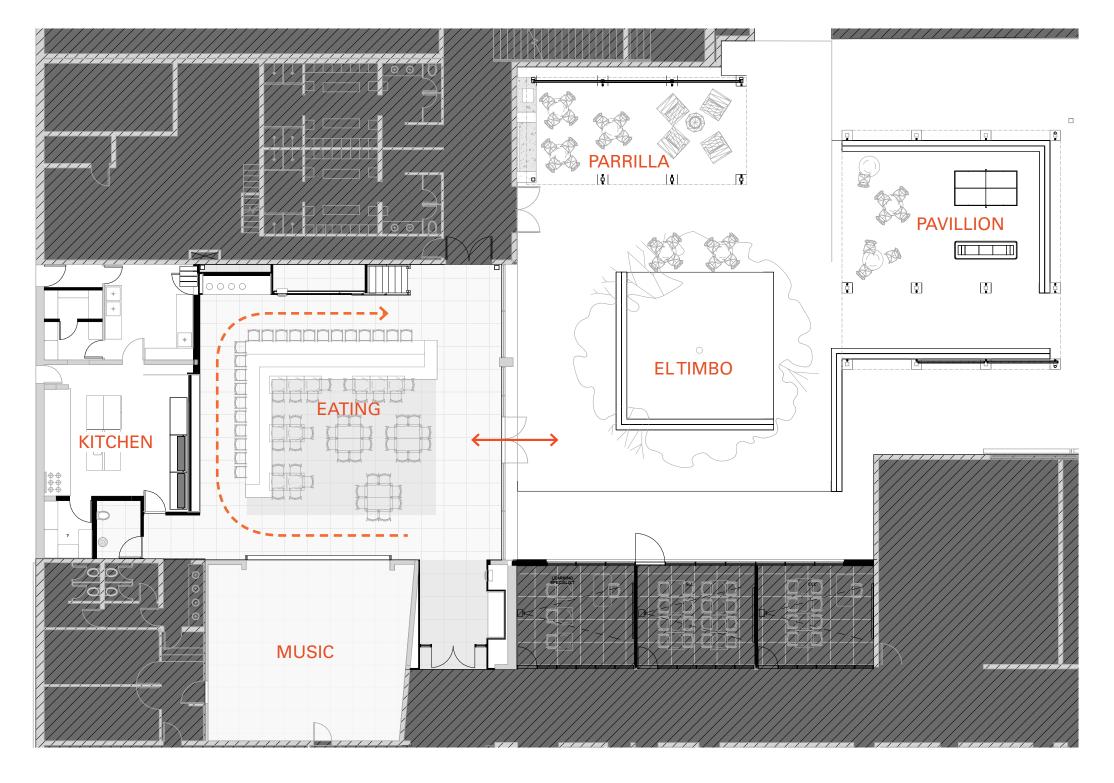




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LEVEL 2

