

rio grande mobile pavilion

Accessibility is key in a region territorially divided. Through bi-monthly migration this mobile pavilion is to provide communities, previously unable to reach the basin station, access to your cultural event. Applying systems of folding, inflating and/or sliding are to negotiation the envelope between a closed transportation state and an open deployed state. A 45' x 8' flatbed provides the base frame and closed footprint which your pavilion will be housed.

Pavilion Program

Deployed State

interior climate controlled	200 sq. ft.
exterior climate protected	800 sq. ft.

total programmed space:

1,000 sq. ft.

*Mobile State

360 sq. ft.

Objectives:

A developed envelope system that provides shading and climate moderation for the Rio Grande Basin. Integration in the building envelope of an expandable and collapsed state, as well as implementation of building materials, and connections. Inclusion of basic structural principals, and conceptual based program organization.

Grading: will be made according to depth and breadth of research, implementation of appropriate envelope strategies, resolution of open and close envelope states, formatting & graphical quality of presentation boards and drawings, craftsmanship and sectional relevance of physical model, and clarity in expressing ideas in audio and visual formats.

Required References: *Building Construction Illustrated*, by Francis Ching, *The Architect's Studio Companion*, by Edward Allen and Joseph Iano, *Graphic Standards*, by AIA, and others as recommended.



Netscape, by Oyler Wu



Spacebuster, by Raumlabor,



Kai Table, by Naoki Hirakoso

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Schedule

Week 1: climate / concept / constraints

Week 2: concept / strategy / system

Week 3: strategy / system / details

Week 4: strategy / system / details

Week 5: final production

Due: May 4 @ 5pm

Reviews: May 7

Submission & Presentation: of your projects will be made at 5:00 pm Friday, December 3rd. Project presentation will be May 7, time tbd. Late submissions after presentation start time will not be accepted. Critics and presentation order will be determined prior to presentation date.

Requirements: should be understood as the minimum submission necessary for issuance of the grade "C". All drawing and model scales will be determined over the course of the project as they relate to each student's individual scheme. It should be understood that a project of sufficient complexity, may require additional drawings in order to clearly express the design intent.

- conceptual description
- climate analysis
- regional + city mappings
- diagrams
- site plan w/roof
- plan
- elevation(s)
- section(s)
- perspective(s)
- physical model