

Child Learning Center, Texas Tech University

2002 Spring: ARCH Studio 5605/Service Learning

Project Manager/Principle Investigators:

David A. Driskill, AIA and Ben K. Shacklette, AIA

Students: Mary Ditto, Michelle Ward, Elizabeth Briggs

2002 Summer: CDS Funded Research (\$3,000)

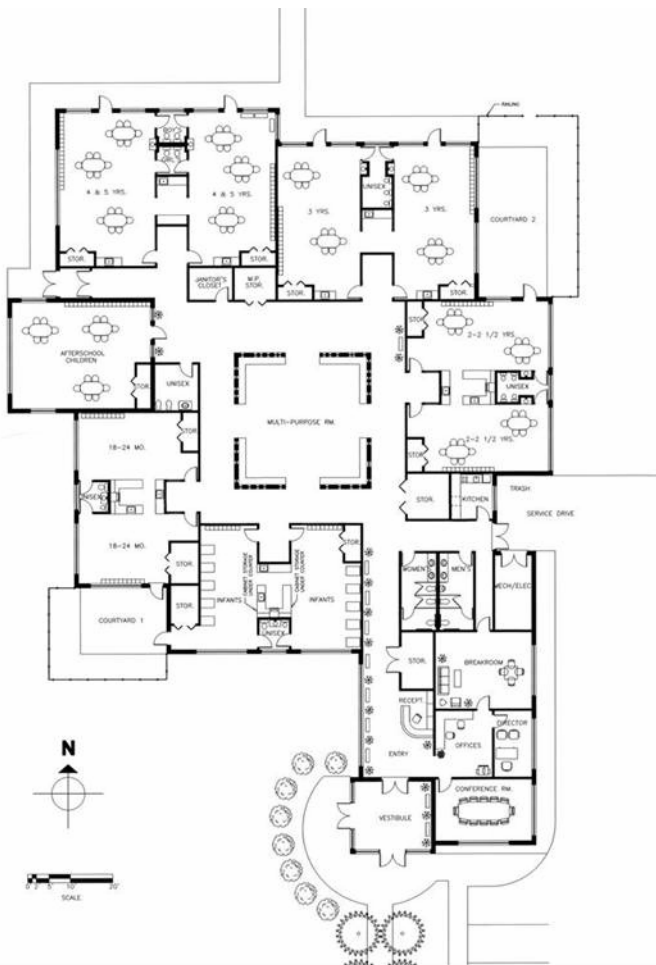
Research Assistant: Pavlina Ilieva

Client: Health Science Center and Office of the Chancellor TTU

Project Description:

Addressing the need for an accessible child care facility in the western area of the Lubbock campus the CDS programmed and designed a new facility to accommodate specific teaching concepts developed by the Health Sciences Center at Texas Tech. User performance criteria, proximity to main throughways, contextual campus architectural design requirements, and sustainability issues were key components of the design solution. The plan features a community of classrooms and activity areas clustered around a central interior multi-purpose space. Administrative spaces combine with entry to produce a public zone that provides accessibility to parents while maintaining security and control to children's areas. This project was initially developed as a service learning project in Arch 5605 (spring semester 2002) emphasizing the direct involvement of TTU facility and staff with the student design team. The resulting design concept was presented by the student team at the Health Science Center at the end of the semester. Taking further action on the comments and recommendations of the client group the project continued as a funded research/design project during the summer of 2002. Working with client the design was refined and modeled three-dimensionally in 3D Studio Viz producing a series of high quality computer renderings for use by the client. Research activities focused on a comparative analysis of traditional hand drawn design methods and virtual design techniques demonstrating the advantages of computer media in secondary design development and spatial visualization.

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**CHILDREN'S LEARNING CENTER
TEXAS TECH UNIVERSITY**

- A. CLASS ROOM - INFANTS
- B. CLASS ROOM - 3 Yrs
- C. CLASS ROOM - 4 & 5 Yrs
- D. CLASS ROOM - 2 TO 2 ½ Yrs
- E. CLASS ROOM - 18 - 24 Months
- F. MULTI- PURPOSE ROOM
- G. AFTER SCHOOL ROOM
- H. CONFERENCE
- J. DIRECTOR
- K. OFFICES
- L. BREAK ROOM
- M. MECHANICAL
- N. STORAGE
- P. KITCHEN
- Q. REST ROOM
- R. JANITOR CLOSET
- S. LOBBY
- T. COURTYARD
- U. PLAYGROUND



FLOOR PLAN



