

**Electronic Classrooms: Design, Use, and Evaluation**

**Amigos Fellowship Final Report**

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**Submitted by**

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# *Electronic Classrooms: Design, use, and evaluation*

## **AMIGOS Fellowship Final Report**

This statement is respectfully submitted to the AMIGOS Bibliographic Council, Inc. by Sylvia Contreras to meet the requirements of The AMIGOS Fellowship. This report includes the following components: Summary of Activities, Statement of Evaluation, and Financial Report.

### *Summary of Activities*

The establishment of electronic classrooms for library instruction is vital in today's rapidly growing high-tech society. In planning for the technological future of library instruction, libraries must design classrooms that foster positive learning environments, develop instruction modules incorporating technology, and continually evaluate classroom design and instruction.

In preparing for the project I conducted a review of the relevant literature in the field of library and information sciences and in the field of academic classroom design. I conducted a telephone survey of several academic libraries regarding their use of electronic classrooms. Additionally, I consulted with a furniture vendor who presented several layouts to assist in the design of our electronic classroom.

The first phase in the development of the electronic classroom was to identify possible classroom designs. I conducted an extensive review of the literature available written within the last ten years. Based on the results of the literature review, I identified ideal classroom layouts, academic institutions currently utilizing such designs, and equipment and technology requirements. Additionally, design pitfalls were identified as well as potential problems associated with remodeling an existing facility.

The second phase consisted of developing a telephone questionnaire (Appendix 1) based on the literature reviewed. This questionnaire was comprised of several key questions that could easily be answered over the telephone. I identified several institutions that designed successful classrooms. These institutions had classrooms which were comparable to our room dimensions and estimated remodeling budget. Additionally, several leaders in electronic classroom design were contacted and asked to answer the questionnaire. Upon completion of the telephone survey, several designs and leaders were identified and slated for a visit. Due to budgetary travel constraints I decided to visit several Texas academic institutions having recently implemented electronic classrooms.

During the third phase I contacted a local vendor of classroom furniture and discussed possible layouts for our existing classroom. We discussed the pros and cons of various layouts (Appendix 2-5) identified during the literature review and survey. Two possible layouts were designed and presented to the libraries' instruction and technology staff. A final design was selected, a financial proposal was developed and submitted to the Library Director when funding was secured, and remodeling was completed Fall of 1998.

### *Statement of Evaluation*

The AMIGOS Fellowship supported my profession development growth by providing the opportunity to develop an ergonomically designed electronic classroom at Texas A&M University- Corpus Christi. The procedures used in the development of the electronic classroom will provide the library profession with a foundation for future projects. Additionally, the project was an excellent opportunity to become familiar with the proposal writing process. The hands-on experience that I gained from learning to collaborate with colleagues, vendors, electricians and other facilities managers was invaluable.

***Library Instruction: Facilities Survey***

Library: \_\_\_\_\_

Contact: \_\_\_\_\_

Phone: \_\_\_\_\_

Projection Equipment: (ex: Proxima projector, LCD panel, etc.)

Software:(Windows (what version), Netscape, SPIRS, etc)

Internet Access:      Yes              No

Networked:            Yes              No

Instructor's Station:

Type: (ex: 486, Pentium)

Controls student workstations?

Microphone:?

Furniture: (standing potium or sitting)

Student Stations:

Number:

Type:

Furniture:

Other equipment:

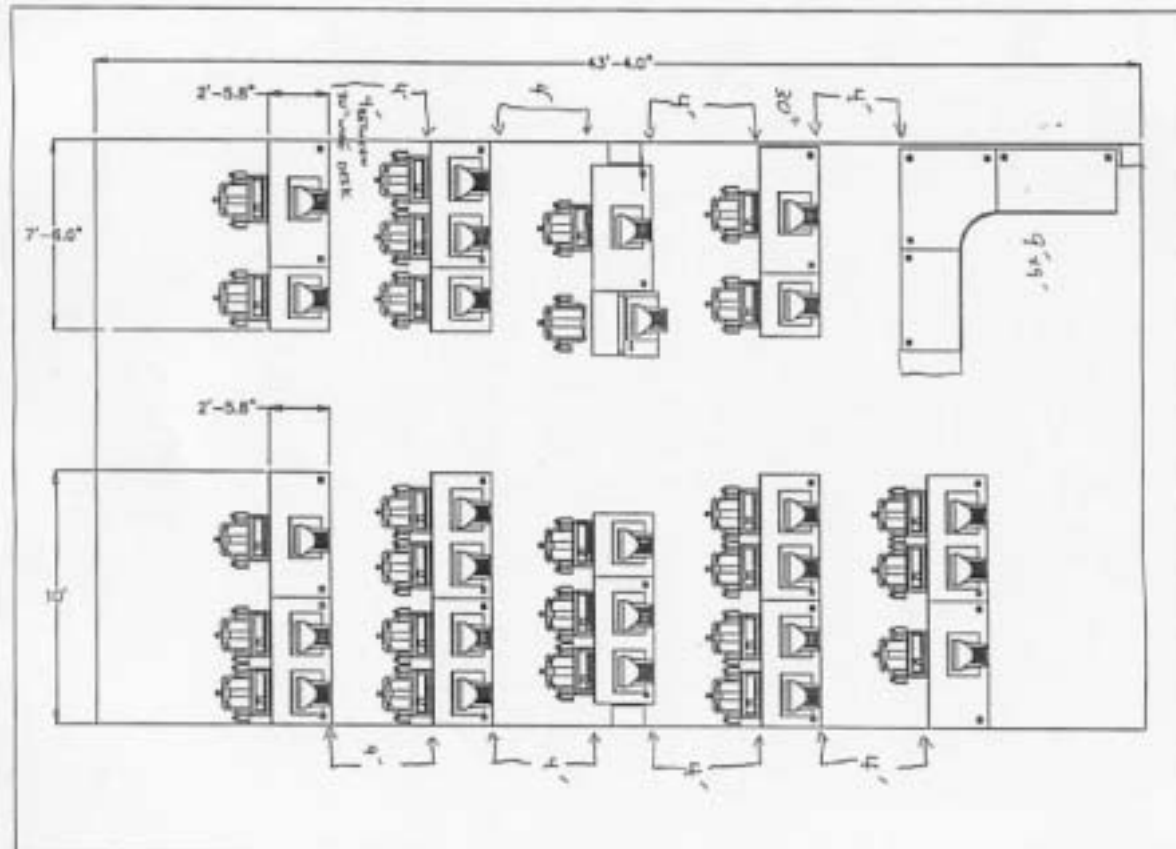
Layout: (please provide a floor plan or brief layout of the room)

Any planning changes, pitfalls during development?

Do you Team Teach?

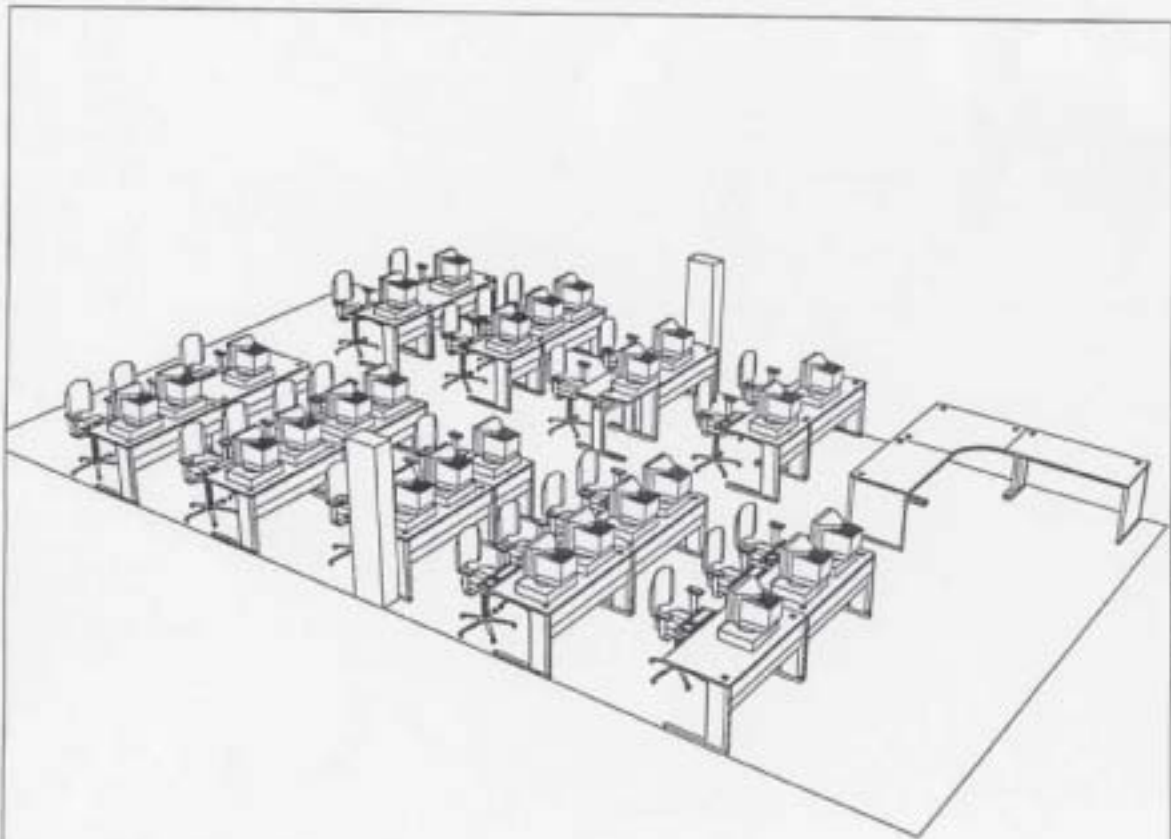
If so, are they both librarians?

How are large classes handled (ex: separated into two groups)?



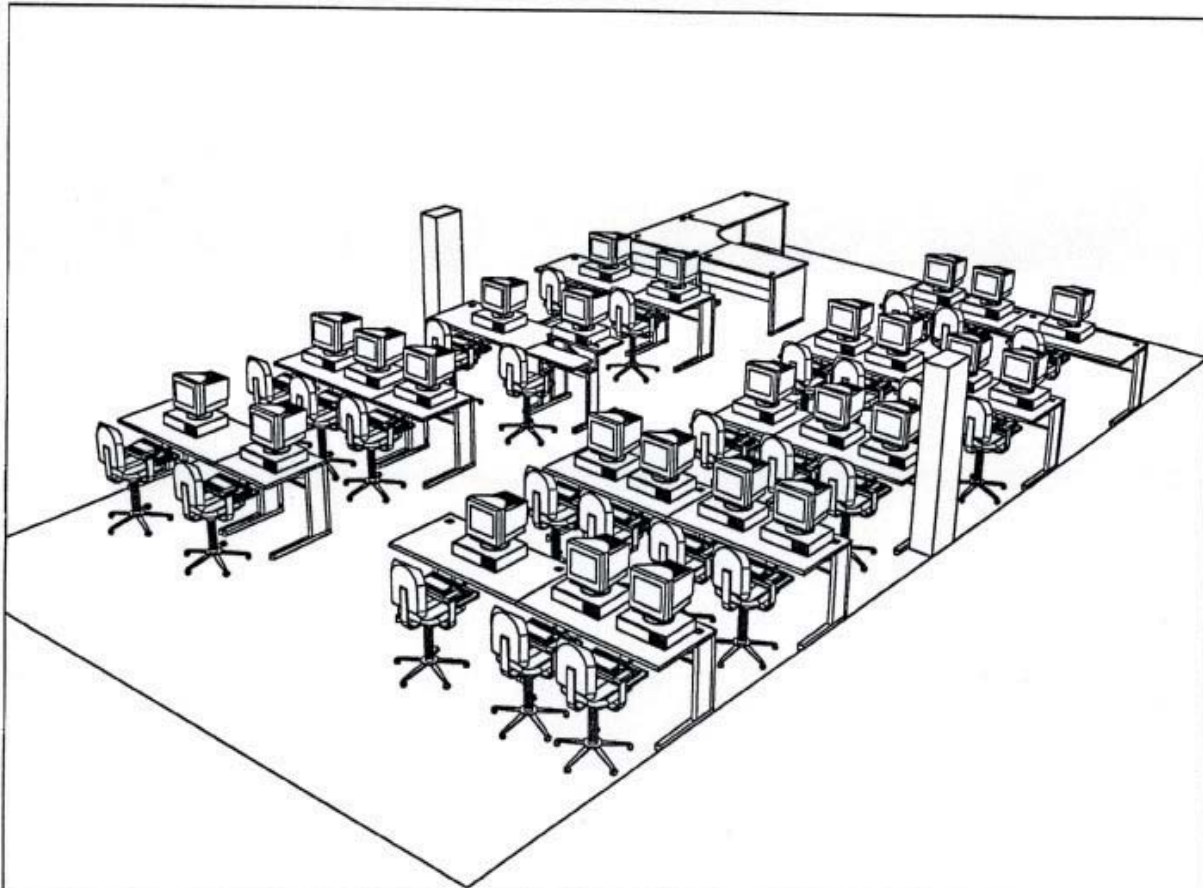
E. XT088-54V

<b>WRIGHT·LINE</b> Technical environment solutions	Sales Representative: Ron Travis	Prepared for: Texas A&M University - Corpus Christi Electronic Classroom - Library	Product: Line	Drawn by: L.Ward
	South	This proposal and drawing has been prepared for the internal use of the customer named	Date: 03/20/98	Quoter: 087031_01832



E. MICROGRAPHY

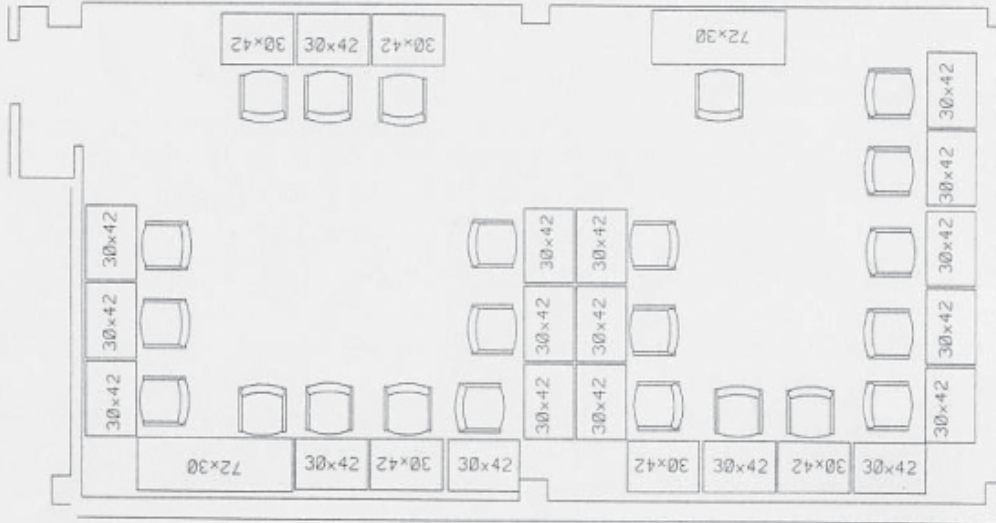
<b>WRIGHT·LINE</b> <small>Technical environment solutions</small>	Sales Representative Rose Davis South	Prepared for: Texas A&M University - Corpus Christi Electronic Classroom - Library This proposal and drawing has been prepared for the stated use of the customer named	Product: Use	Drawn by: A.Hart
			Date: 01/20/88	Quoted: 027081_01032



APPENDIX 4

<b>WRIGHT•LINE</b> technical environment solutions	<b>Sales Representative:</b> Rene Trevino	<b>Prepared for:</b> Texas A&M University - Corpus Christi Electronic Classroom - Library	<b>Product:</b> Linx	<b>Drawn by:</b> A.Ward
	South	<small>This proposal and drawing has been prepared for the internal use of the customer named</small>		<b>Date:</b> 03/20/98

configuration seats  
22 students & 1 teacher



APPENDIX 5

# *Electronic Classrooms.. Design, use, and evaluation*

## **AMIGOS Fellowship**

### **Final Report**

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