

DESIGN CONSIDERATIONS

The following design considerations were discussed during the programming meetings with the interviewees listed at the bottom of this page.

Computer Labs:

- Hard-wired computers
- Screens possibly located within desks, rather than on top.
- Provide oversized desks, for laptops.
- Internet access in all classrooms.

Image:

- Frantals- Sierpinski triangle, Knoch snowflake, Mandelbrot set
- Tresselations
- Greek Columns
- Conics- moving outlines, mobile, solid models, Detroit airport fountain, whisper wall
- Wallpaper groups and frieze patterns
- Arabic designs
- Moebius strip (book by Clifford Pickover) Klein bottle (models available from Cliff stroll)
- Kaleidoscope designs- Alan Bass's friend Vincent Bukhead
- Quilt designs
- Tom Teagarden's needle point of abstract algebra groups
- Fibonacci in nature- pine cones, pineapples, sunflowers, plant growth, spiral staircase
- Quotations on walls or flashing on a screen

Classrooms:




- Boards that slide up and down and side to side
- Distant learning capabilities
- Document cameras

1st Round Attendees/ Interviewees (05.06.08):

Paul Schroeder (A|DWRB), Randy Dolph (A|DWRB), Judith Ross (Mesa-Mathematics), Phyllis Meckstroth (Mesa- Mathematics), Alison Damoose (Mesa- Mathematics), Frank Ingrande (X-nth), Edgar Hinojosa (Gafcon, SDCCD), Daniel Sicile-Kira (Gafcon/SDCCD)

2nd Round Attendees/ Interviewees (06.09.08):

Paul Schroeder (A|DWRB), Randy Dolph (A|DWRB), Judith Ross (Mesa-Mathematics), Sharokh Parvini, Edgar Hinojosa (Gafcon/ SDCCD), Michael Reese (Mesa-Mathematics), Ronald Sandvick (Mesa-Mathematics)

	San Diego Community College District - Mesa College MATHEMATICS & NATURAL SCIENCES BUILDING 	
	Project No.: 08122	DATE ISSUED: 07.03.08
 Architects Delawie Wilkes Rodrigues Barker	DESIGN CONSIDERATIONS	
	DEPARTMENT: MATHEMATICS	



General

Department: **Mathematics** Interviewee: Date: **07.03.08**
 Room Name: **Standard Classroom** Room Access: **Front & Rear** No. of Occupants: **48 to 50**
 Approx. Net Area: **1327 s.f.** Room Dimensions: Ceiling Height: **10'**

Finishes

Floors: Walls: **Gypsum board, ptd. w/ posters/ bulletin boards** Ceiling: **Lay-in**
 Base: **Vinyl** Chair Rail: Wainscot:

Doors

Single **Front & Rear** Vision Panel Transom
 Double Side Lite Key Access
 Card Reader Remote Lock/Unlock

Windows

Exterior **Or** Shades/ Black-out
 Corridor Blinds

Casework

Wood Plastic Laminate Solid Surface
 Other **Table with drawers for supplies**

Special Requirements

Acoustical Treatment Whiteboard **/ Chalkboard** Bulletin Board:
 Video Conferencing CCTV: Projection Screen:
 Other:

Mechanical & Plumbing Requirements

Sink Type: Instant Hot Water Eye Wash
 Shower Hot/Cold Compressed Air

Equipment

Refrigerator Microwave Dishwasher
 Coffee Maker

Electrical Requirements

Lighting: Controls:
 Power Wireless Phone
flush floor boxes Data
flush floor boxes

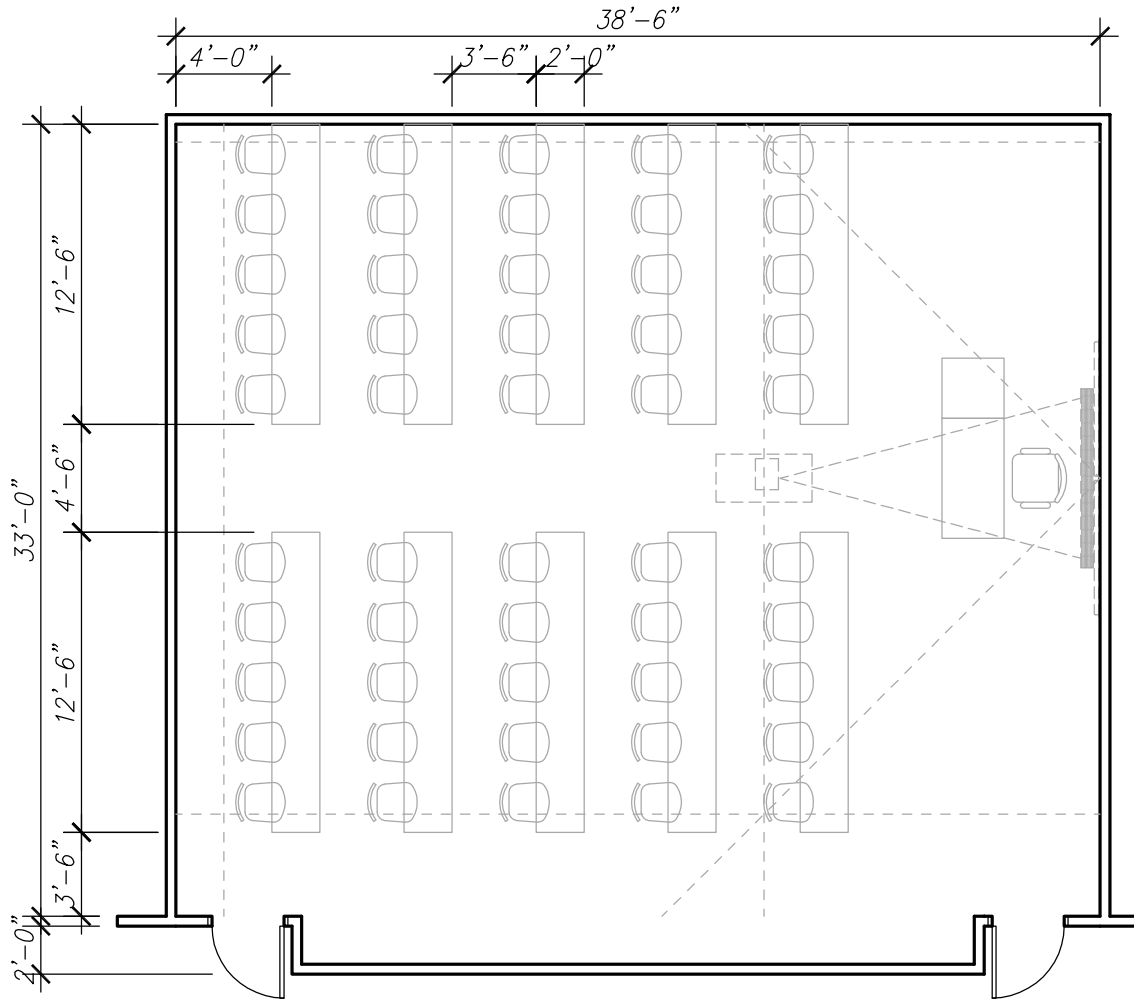
Adjacency

Adjacent: Near: **(1) classroom near** Far:
 Other: **Materials storage room**

Notes




(10) Classrooms w/ tables & chairs
(6) w/ combo chair/desk
Minimize noise distractions
(1) classrom near a materials storage room





STANDARD CLASSROOM

1,327 SF
38'-6" x 35'-0"

	San Diego Community College District - Mesa College MATHEMATICS & NATURAL SCIENCES BUILDING 		
	Project No.: 08122	SCALE: 1/8" = 1'-0"	DATE ISSUED: 07.03.08
 Architects Delawie Wilkes Rodrigues Barker	DEPARTMENT: MATHEMATICS		
	ROOM NAME: STANDARD CLASSROOM		
	NET AREA: 1327 S.F.	No. OF OCCUPANTS: 50	



General

Department: **Mathematics** Interviewee: Date: **07.03.08**
 Room Name: **Computer Lab** Room Access: No. of Occupants: **48**
 Approx. Net Area: **1459-1588 s.f.** Room Dimensions: Ceiling Height: **10'**

Finishes

Floors: Walls: **Gypsum board, ptd.** Ceiling: **Lay-in**
 Base: **Vinyl** Chair Rail: Wainscot:

Doors

Single **min. 2** Vision Panel Transom
 Double Side Lite Key Access
 Card Reader Remote Lock/Unlock

Windows

Exterior **Or** Shades/ Black-out
 Corridor Blinds

Casework

Wood Plastic Laminate Solid Surface

Special Requirements

Acoustical Treatment Whiteboard **/Chalkboard** Bulletin Board:
 Video Conferencing CCTV: Projection Screen: **Document**
 Other: **cameras**

Mechanical & Plumbing Requirements

Sink Type: Instant Hot Water Eye Wash
 Shower Hot/Cold Compressed Air

Equipment

Refrigerator Microwave Dishwasher
 Coffee Maker

Electrical Requirements

Lighting: Controls:
Direct/indirect & light at front board
 Power Wireless Phone
Built-in at tables Data
Built-in at tables

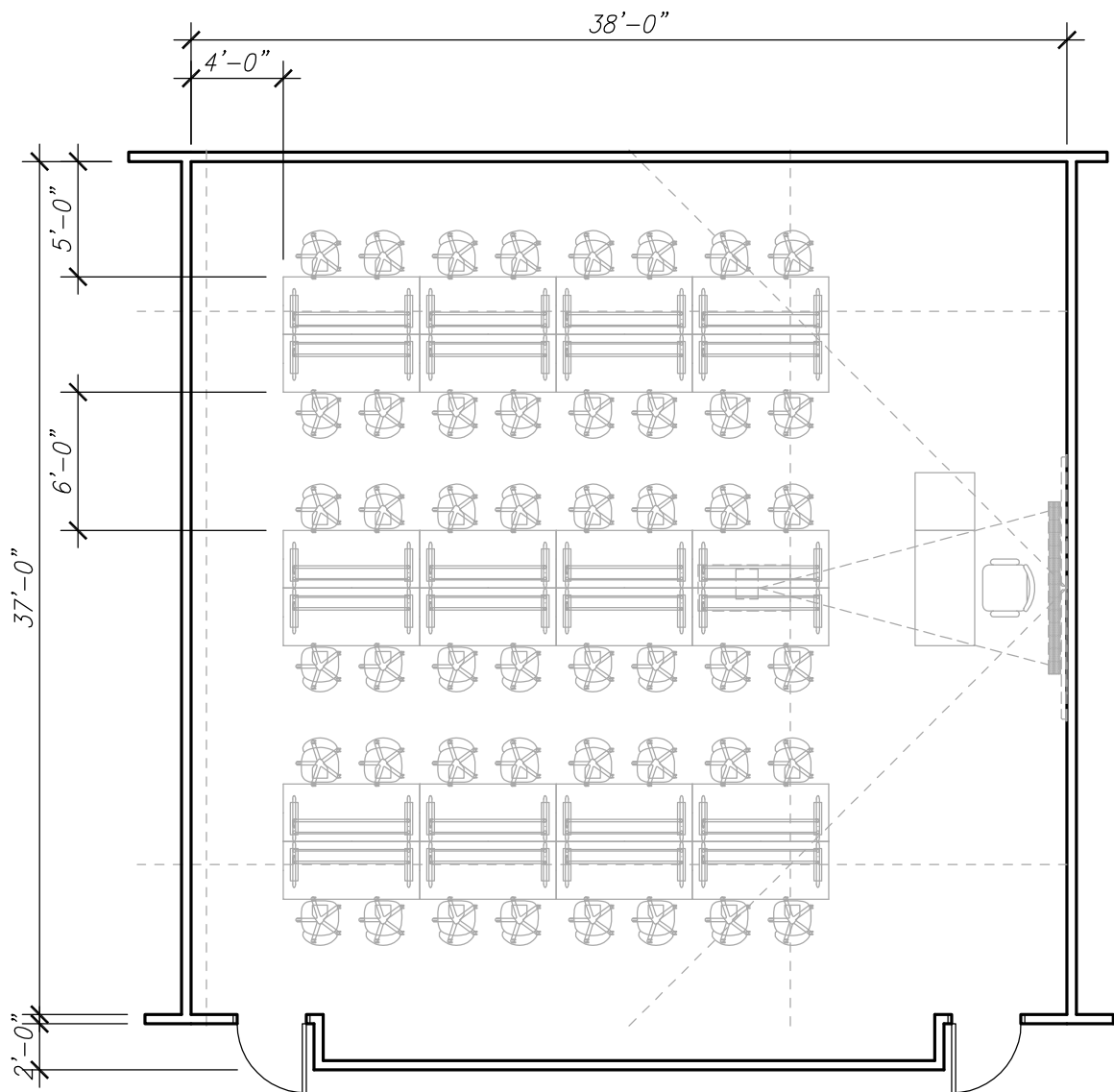
Adjacency

Adjacent: Near: Far:
 Other:

Notes




Computer Labs are used as 'Computer Classrooms'
Computer screens integrated in the tables
Include workspace adjacent to computer for Laptop use
Storage room for server
All PC

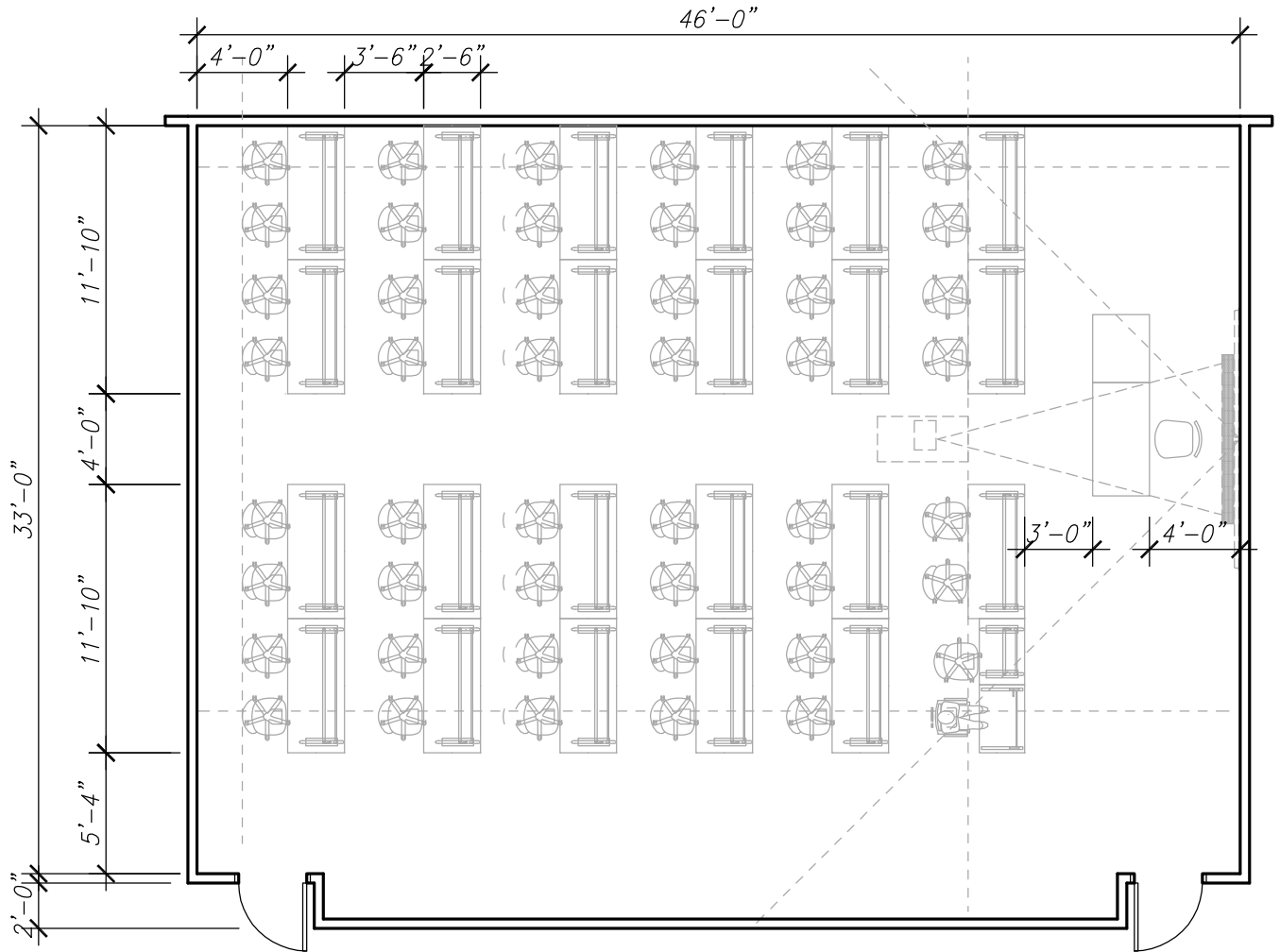







COMPUTER
CLASSROOM

1,459 SF
38'-0" x 39'-0"

	San Diego Community College District - Mesa College		
	MATHEMATICS & NATURAL SCIENCES BUILDING		
 Architects Delawie Wilkes Rodrigues Barker	Project No.: 08122	SCALE: 1/8" = 1'-0"	DATE ISSUED: 07.03.08
	DEPARTMENT: MATHEMATICS		
	ROOM NAME: COMPUTER LAB		
	NET AREA: 1459 S.F.	No. OF OCCUPANTS: 48	



COMPUTER CLASSROOM
 1,588 SF
 46'-0" x 33'-0"

	San Diego Community College District - Mesa College MATHEMATICS & NATURAL SCIENCES BUILDING 		
	Project No.: 08122	SCALE: 1/8" = 1'-0"	DATE ISSUED: 07.03.08
 Architects Delawie Wilkes Rodrigues Barker	DEPARTMENT: MATHEMATICS		
	ROOM NAME: COMPUTER LAB		
	NET AREA: 1588 S.F.	No. OF OCCUPANTS: 48	



General

Department: **Mathematics** Interviewee: _____ Date: **07.03.08**
 Room Name: **Materials Room** Room Access: **From one classroom & corridor** No. of Occupants: _____
 Approx. Net Area: **200 s.f.** Room Dimensions: _____ Ceiling Height: **10'**

Finishes

Floors: _____ Walls: _____ Ceiling: _____
 Base: _____ Chair Rail: _____ Wainscot: _____

Doors

Single **Lockable** Vision Panel Transom
 Double Side Lite Key Access
 Card Reader Remote Lock/Unlock

Windows

Exterior **Or** Shades/ Black-out
 Corridor Blinds

Casework

Wood Plastic Laminate Solid Surface
 Other **Open shelving by District**

Special Requirements

Acoustical Treatment Whiteboard Bulletin Board:
 Video Conferencing CCTV: Projection Screen:
 Other:

Mechanical & Plumbing Requirements

Sink Type: _____ Instant Hot Water Eye Wash
 Shower Hot/Cold Compressed Air

Equipment

Refrigerator Microwave Dishwasher
 Coffee Maker

Electrical Requirements

Lighting: Power Controls: Wireless Phone
 Data

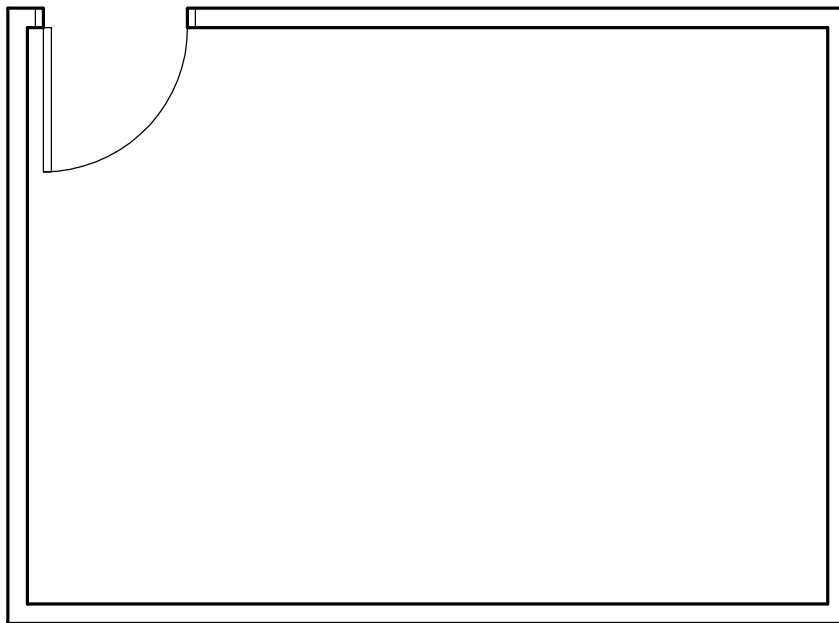
Adjacency

Adjacent: **to (1) classroom & corridor** Near: _____ Far: _____
 Other: _____

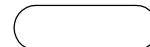
Notes

Open shelving by District, with a lockable area








MATERIALS
ROOM



200 SF

	San Diego Community College District - Mesa College MATHEMATICS & NATURAL SCIENCES BUILDING		
	Project No.: 08122	SCALE: 1/4" = 1'-0"	
 Architects Delawie Wilkes Rodrigues Barker	DEPARTMENT: MATHEMATICS		
	ROOM NAME: MATERIALS ROOM		
	NET AREA: 200 S.F.	No. OF OCCUPANTS: —	