

DESIGN CONSIDERATIONS

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

1. Audio/ Visual

LABS & CLASSROOMS should meet the following A/V requirements:

- Projection system
- Document cameras
- DVD/VCR
- Set-up for wireless internet
- Speaker system, including voice reinforcement

LABS should be designed to meet the following criteria:

- Visual connection between circulation space and labs
- Provide doors with vision lites
- Lab storage areas in close proximity/ adjacent
- Intercom system for full time technicians
- Mesa will provide an inventory of instruments (existing & desired)
- Consider acoustical implications of fume hood/ air exhaust
- Services: hot & cold water, purifies water, vacuum, cup sinks, gas, air
- Controlled temperature & humidity in instrument rooms
- Non-operable windows are required

COMPUTER LAB

- For individual student work, not for lecture
- Provide oversized tables for laptop use in addition to fixed computers

STOCK ROOM:

- Near service elevator
- Located between two labs, but separated from preparation area

NMR ROOM:




- Program requirement, ±484 sf
 - Size of magnet is unknow, may be donated
- (Mesa College will provide additional information)

1st Round Attendees/ Interviewees (05.12.08):

Paul Schroeder (A|DWRB), Randy Dolph (A|DWRB), Daniel Sicile-Kira (Gafcon/ SDCCD), Nelson Phelan (Mesa- Chemistry), Jill Baker (Mesa- A/V), Joseph Alberti (Mesa-Chemistry), Edward Alexander (Mesa- Chemistry), Rob Fremland (Mesa- Chemistry), Donna Budzynski (Mesa- Chemistry), Kevin Olson (Mesa- Police), Farshid Zand (Mesa- Chemisrey) ,Frank Ingrande (X-nth), Ned Michalowski (X-nth)

2nd Round Attendees/ Interviewees (06.10.08):

Paul Schroeder (A|DWRB), Edward Alexander (Mesa- Chemistry), Rob Fremland (Mesa- Chemistry), Donna Budzynski (Mesa- Chemistry), Frank Ingrande (X-nth), Ned Michalowski (X-nth), Edgar Hinojosa (Gafcon/ SDCCD)

	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: CHEMISTRY	



General

Department: **Chemistry Congressional Style** Interviewee: Date: **07.03.08**
 Room Name: **Classroom** Room Access: No. of Occupants: **50**
 Approx. Net Area: **1532 s.f.** Room Dimensions: Ceiling Height: **10'-12'**

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 Vertical Blinds

Casework

Wood Plastic Laminate Solid Surface
 Other **Fixed tables**

Special Requirements

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

Mechanical & Plumbing Requirements

Sink Type: **At demo bench** Instant Hot Water Eye Wash
 Shower Hot/Cold Compressed Air

Equipment

Refrigerator Microwave Dishwasher
 Coffee Maker

Electrical Requirements

Lighting: Controls:
 Power Wireless Phone
Built-in at fixed tables or in flush floor boxes & at demo bench Data
Built-in at fixed tables or in flush floor boxes & at demo bench

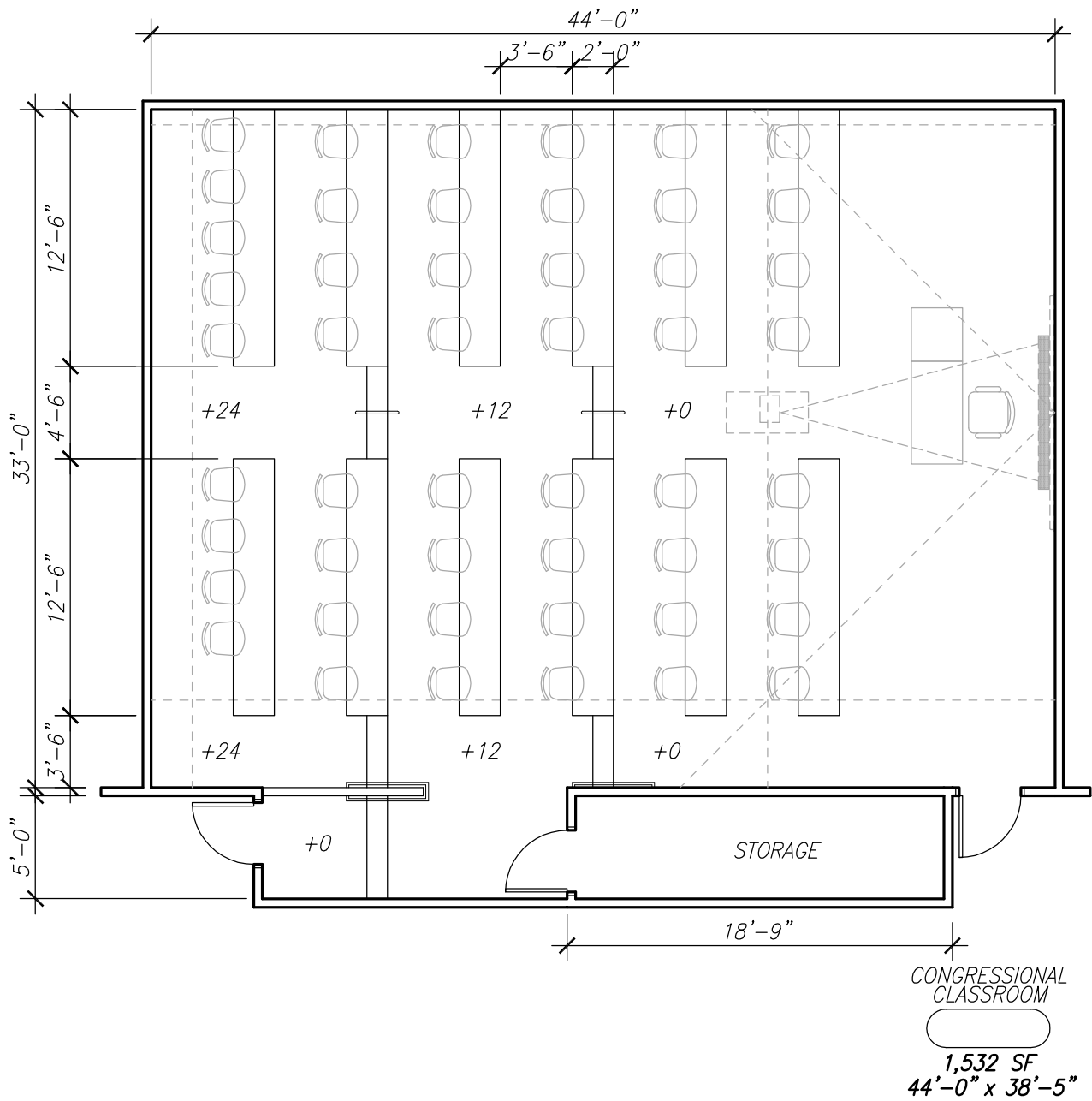
Adjacency




Adjacent: Near: Far:
 Other:

Notes

Continuous white/ chalkboard
5' instructional counter next to media
Movable chairs
Storage in classroom





	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: CHEMISTRY		ROOM NAME: CONGRESSIONAL CLASSROOM
	NET AREA: 1532 S.F.		No. OF OCCUPANTS: 50



General

Department: **Chemistry Theater Style** Interviewee: Date: **07.03.08**
 Room Name: **Classroom** Room Access: No. of Occupants: **45**
 Approx. Net Area: **754 s.f.** Room Dimensions: Ceiling Height: **10'-12'**

Finishes

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

Doors

Single 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 **Fixed autitorium seating**

Special Requirements

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

Mechanical & Plumbing Requirements

Sink Type: **At demo bench** Instant Hot Water Eye Wash
 Shower Hot/Cold Compressed air

Equipment

Refrigerator Microwave Dishwasher
 Coffee Maker

Electrical Requirements

Lighting: Controls:
 Power Wireless Phone
Built-in at fixed tables or in flush floor boxes & at demo bench Data
Built-in at fixed tables or in flush floor boxes & at demo bench

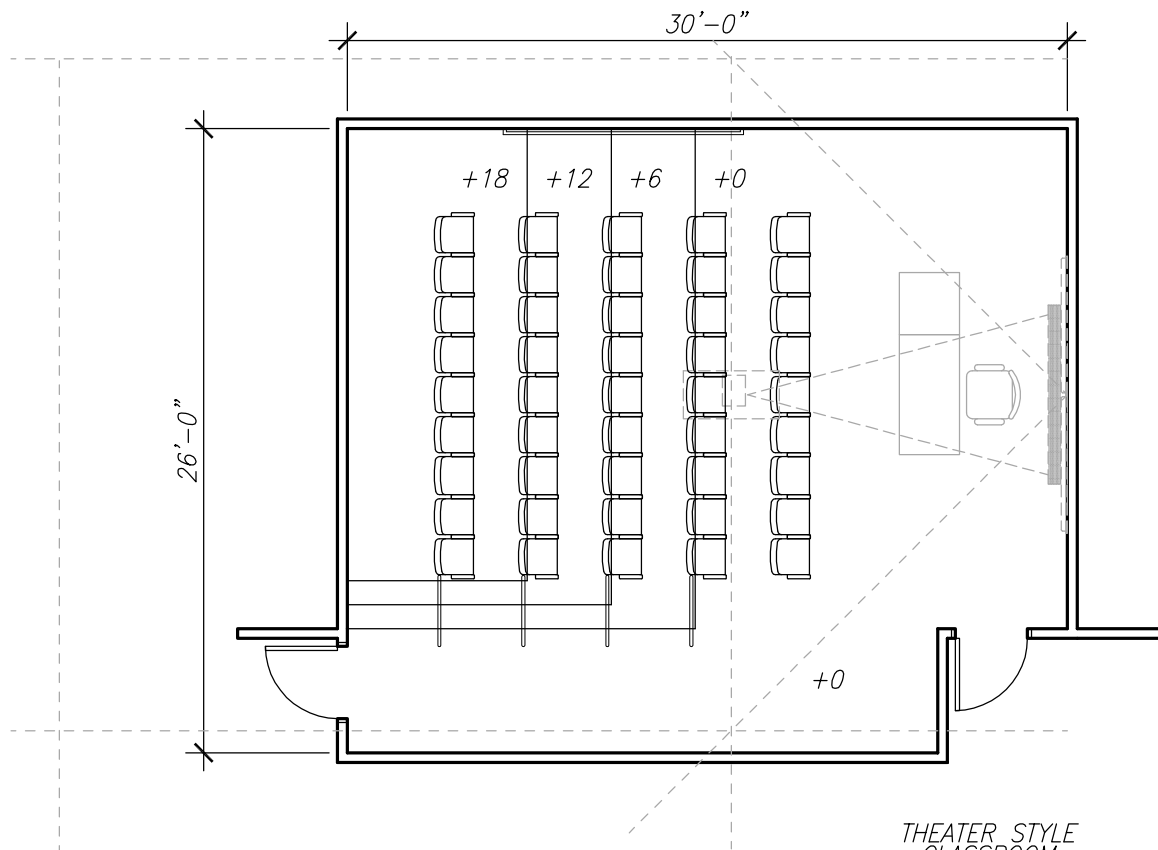
Adjacency

Adjacent: Near: Far:
 Other:

Notes

Prefer rooms wider rather than deep
Continuous white/ chalkboard
5' instructional counter next to media
Fixed seating w/ oversized tablet arm (for laptops)
Storage in classroom








THEATER STYLE CLASSROOM



752 SF
30'-0" x 26'-0"

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	Project No.: 08122	SCALE: 1/8" = 1'-0"	
 Architects Delawie Wilkes Rodrigues Barker	DEPARTMENT: CHEMISTRY		
	ROOM NAME: THEATER STYLE CLASSROOM		
	NET AREA: 752 S.F.		No. OF OCCUPANTS: 45



General

Department: **Chemistry** Interviewee: _____ Date: _____
 Room Name: **Computer Lab** Room Access: **From lab & common area** No. of Occupants: **54**
 Approx. Net Area: **1498 s.f.** Room Dimensions: _____ Ceiling Height: **10'**

Finishes

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

Doors

Single 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 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
Built-in at tables Data
Built-in at tables

Adjacency

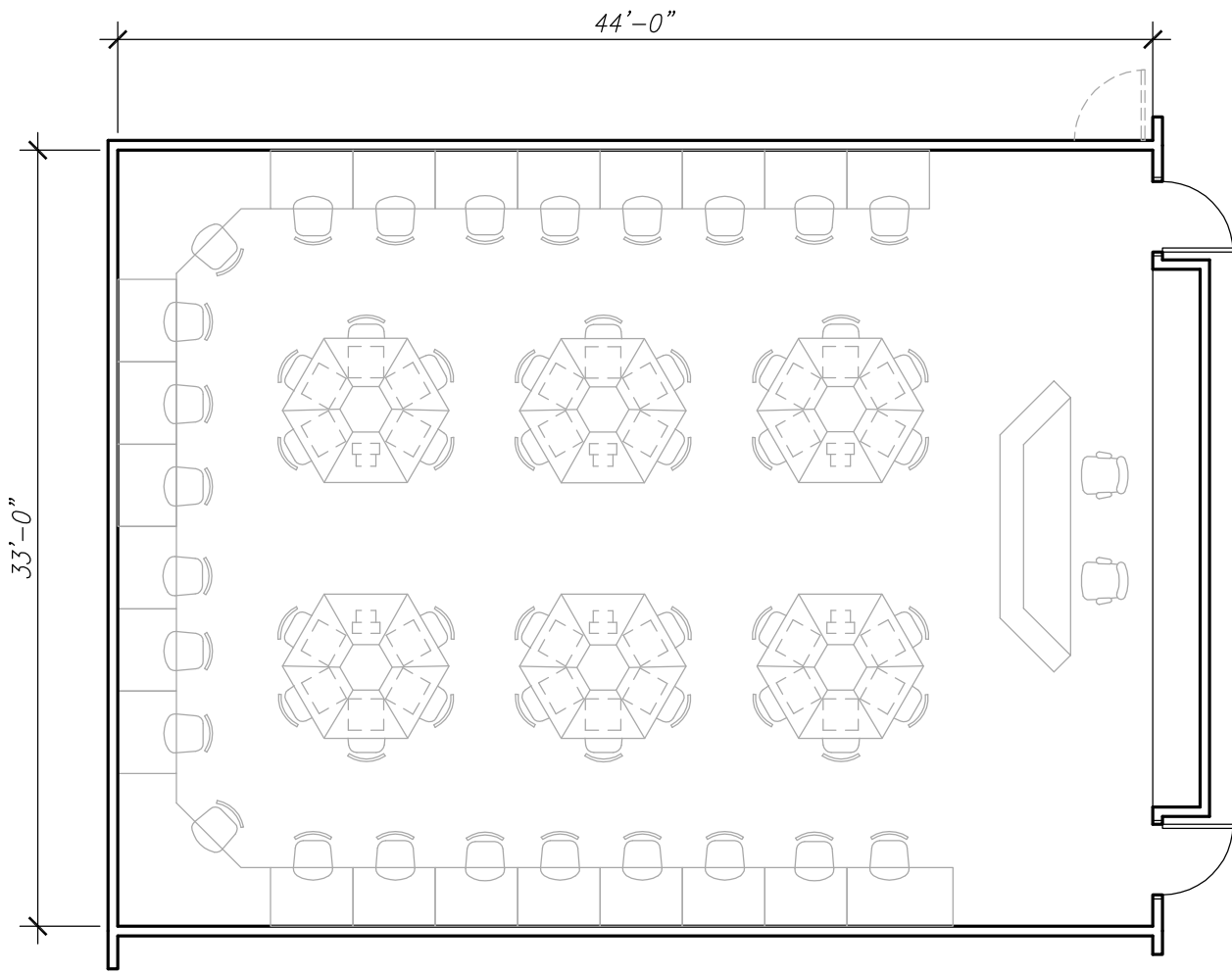
Adjacent: **Inorganic lab, instrument room & common area** Near: _____ Far: _____

Other: _____

Notes




Computer Labs are for individual student work, not for instruction
Storage in classroom





COMPUTER
LAB

1,498 SF
46'-0" x 33'-0"

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	Project No.: 08122	SCALE: 1/8" = 1'-0"	DATE ISSUED: 07.03.08
 Architects Delawie Wilkes Rodrigues Barker	DEPARTMENT: CHEMISTRY		ROOM NAME: COMPUTER LAB
	NET AREA: 1498 S.F.		