

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:

- Allow for traditional lecture
- Computer hook-ups at all stations (wired for now, with wireless capabilities for the future)
- Consider all Labs as "Wet Labs" (power & data line protection required)
- Provide camera for microscopes

CLASSROOMS, in addition to the above requirements, should allow for:

- Distance learning

2. Spatial/Functional

LABS & CLASSROOMS should meet the following spatial/functional requirements:

- Multiple lighting levels
- Natural lighting is important

LABS should be designed to meet the following criteria:

- Visual connection between circulation space and Labs (special privacy considerations for Anatomy)
- Provide doors with vision lites
- Provide storage space for students (locker/drawer), for Microbiology
- Provide gas for Microbiology

3. Finishes

Durability is key, some things to consider when selecting materials are acids, bases, water & heat.

Ceilings:

- Lay-in

Flooring:

- Tile sheet vinyl, commercial grade- acid resistant

Notes:

- "Southland Technology" provides I.T. services for the District
- Jill Baker, AV Representative from Mesa will provide us with the District's standards for A/V set-ups and will arrange a meeting to discuss all available technologies.
- Consider adding an 'emergency shower' in accessible restroom or in a separate controlled area.

1st Round (Labs)Attendees/ Interviewees (05.12.08):




Paul Schroeder (A|DWRB), Randy Dolph (A|DWRB), Edgar Hinojosa (Gafcon/ SDCCD), Ned Michalowski (X-nth), Frank Ingrande (X-nth), Jill Baker (Mesa-AV), Shannon DiMartino (Biology-Tech), William Brothers (Biology-Faculty), Paul Sykes (Biology-Faculty), Matt Fay (Biology- Lab Tech), Cam Nghiem (Biology- Lab Tech).

1st Round (Classrooms) Attendees/ Interviewees (05.14.08):

Paul Schroeder (A|DWRB), Randy Dolph (A|DWRB), William Brothers (Biology-Faculty), Paul Sykes (Biology-Facult

2nd Round Attendees/ Interviewees (06.04.08):

Paul Schroeder (A|DWRB), Randy Dolph (A|DWRB), Cynthia Barba (A|DWRB), Edgar Hinojosa (Gafcon/ SDCCD), Ned Michalowski (X-nth), Frank Ingrande (X-nth), Shannon DiMartino (Biology-Tech), William Brothers (Biology-Fa Paul Sykes (Biology-Faculty), Matt Fay (Biology- Lab Tech), Cam Nghiem (Biology- Lab Tech).

	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: BIOLOGY	



General

Department: **Biology** Interviewee: _____ Date: **07.03.08**
 Room Name: **Congressional Style Classroom** Room Access: **Front & Rear (3 doors would be optimum)** No. of Occupants: **60**
 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, prefer 3) 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 Continuous fixed tables

Special Requirements

Acoustical Treatment Whiteboard / Chalkboard Bulletin Board:
 Video Conferencing CCTV: Projection Screen:
 Other:
Remote clickers & Speaker System

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
Built-in at fixed tables or in flush floor boxes Data

Built-in at fixed tables or in flush floor boxes

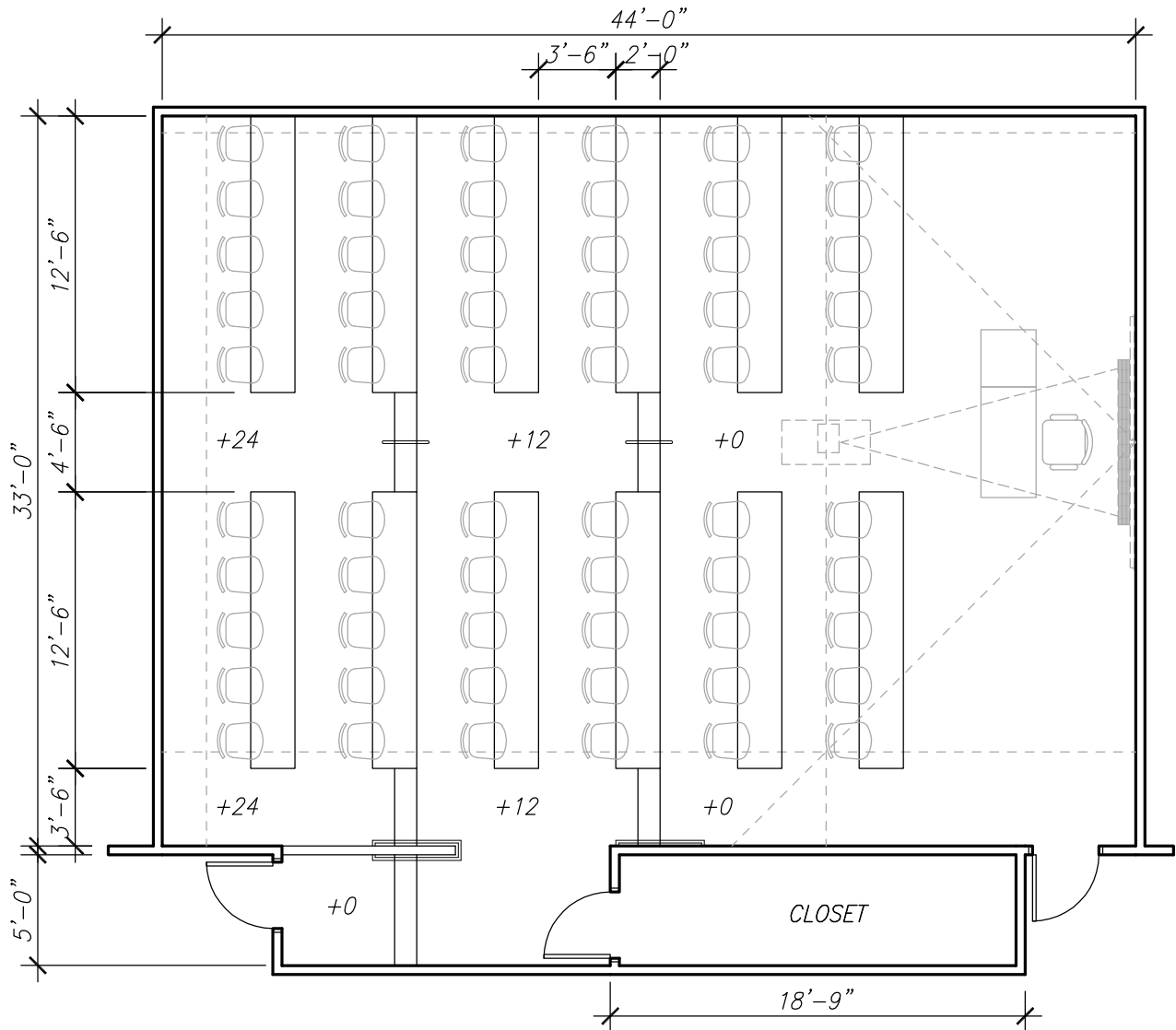
Adjacency

Adjacent: _____ Near: _____ Offices _____ Far: _____
 Other: _____




Notes

2 rows of seats per tier to allow for group work.
 Prefer rooms wider rather than deep.
 Continuous white/ chalkboard.
 5' instructional counter next to media station.
 Small storage closet in all classrooms.
 Preference for accessible seats at the front of the classroom.
 Movable chairs.
 1st floor location for all Biology programmed spaces is preferred.





CONGRESSIONAL CLASSROOM
 1,532 SF
 44'-0" x 38'-5"

	San Diego Community College District - Mesa College MATHEMATICS & NATURAL SCIENCES BUILDING 	
	Project No.: 08122	SCALE: 1/8" = 1'-0"
 Architects Delawie Wilkes Rodrigues Barker	DEPARTMENT: BIOLOGICAL SCIENCES	
	ROOM NAME: CONGRESSIONAL CLASSROOM	
	NET AREA: 1532 S.F.	No. OF OCCUPANTS: 60



General

Department: **Biology** Interviewee: Date: **07.03.08**
 Room Name: **Standard Classroom** Room Access: No. of Occupants: **60**
 Approx. Net Area: **1519 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, prefer 3)** 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

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
flush floor boxes Data
flush floor boxes

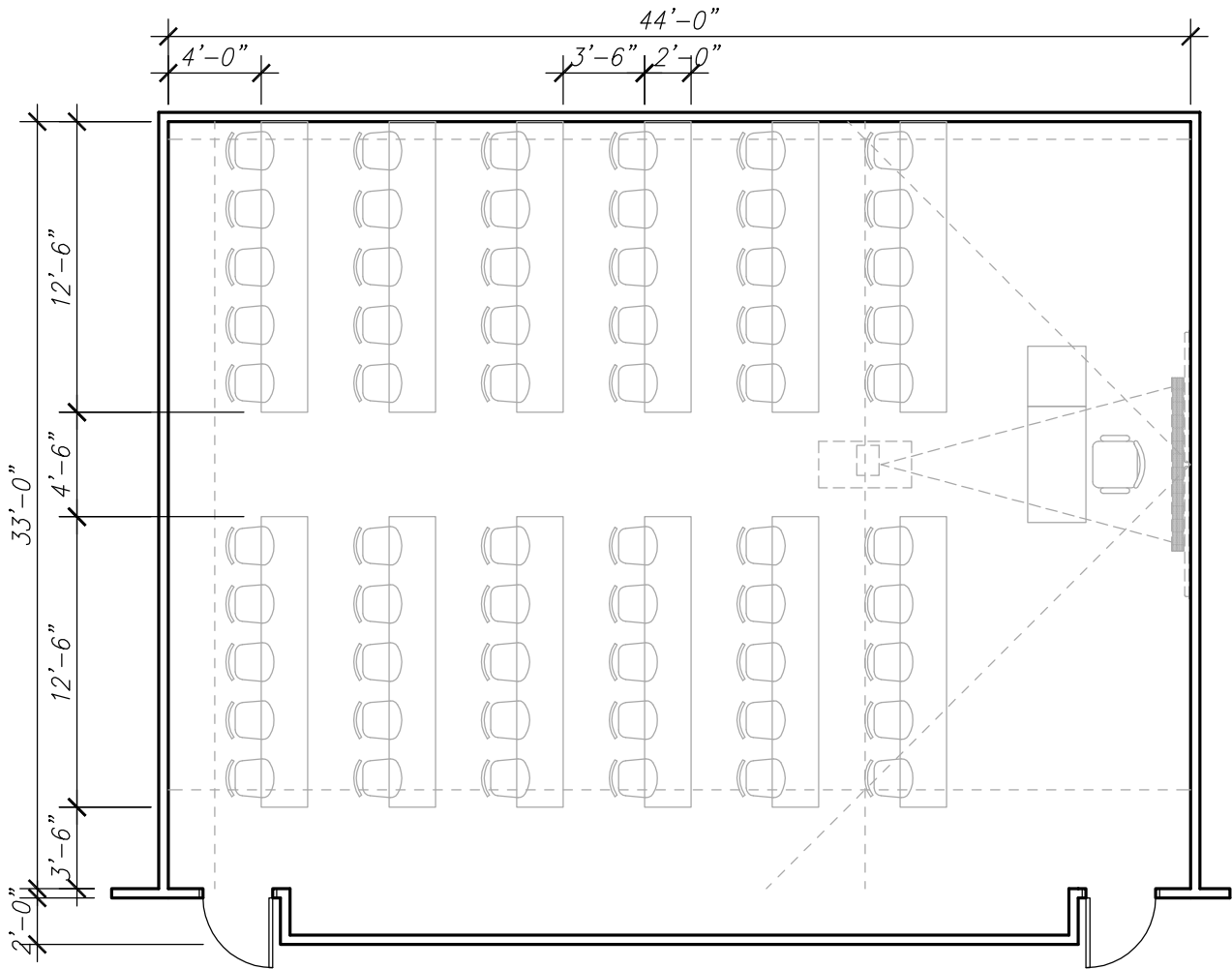
Adjacency

Adjacent: Near: Offices Far:
 Other:

Notes




Allow for Distance Learning.
Single facing arrangement is preferred.
Natural lighting is desired.
1st floor location for all Biology programmed spaces is preferred.
Small storage in the classroom.





STANDARD
CLASSROOM

1,519 SF
44'-0" x 33'-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: BIOLOGICAL SCIENCES		
	ROOM NAME: STANDARD CLASSROOM		
	NET AREA: 1519 S.F.	No. OF OCCUPANTS: 60	



General

Department: **Biology** Interviewee: Date:
 Room Name: **Standard Classroom** Room Access: No. of Occupants: **30**
 Approx. Net Area: **942 s.f.** Room Dimensions: Ceiling Height: **10'**

Finishes

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

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
flush floor boxes Data
flush floor boxes

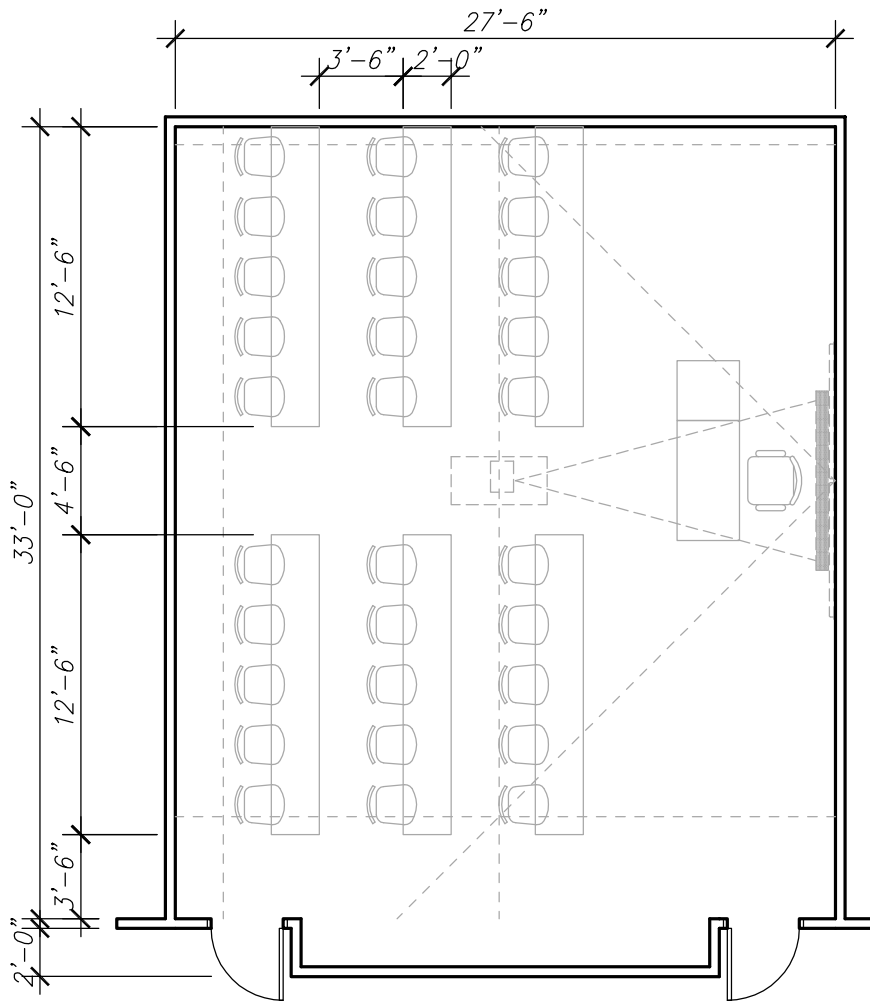
Adjacency

Adjacent: Near: Offices Far:
 Other:

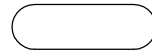
Notes

Allow for distance learning.
Single facing arrangement is preferred.
Natural lighting is desired.
1st floor location for all Biology programmed spaces is preferred.
Small storage








STANDARD
CLASSROOM



942 SF
27'-6" 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: BIOLOGICAL SCIENCES		
	ROOM NAME: STANDARD CLASSROOM		
	NET AREA: 942 S.F.	No. OF OCCUPANTS: 30	



General

Department: **Biology** Interviewee: Date: **07.03.08**
 Room Name: **Faculty Shower** Room Access: No. of Occupants: **1**
 Approx. Net Area: **68-84 s.f.** Room Dimensions: Ceiling Height: **8'-10'**

Finishes

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

Doors

- | | | |
|--------------------------------------------|---------------------------------------|---------------------------------------------|
| <input checked="" type="checkbox"/> Single | <input type="checkbox"/> Vision Panel | <input type="checkbox"/> Transom |
| <input type="checkbox"/> Double | <input type="checkbox"/> Side Lite | <input type="checkbox"/> Key Access |
| | <input type="checkbox"/> Card Reader | <input type="checkbox"/> Remote Lock/Unlock |

Windows

- | | | |
|------------------------------------|-----------------------------------|------------------------------------------|
| <input type="checkbox"/> Black-out | <input type="checkbox"/> Exterior | <input type="checkbox"/> Mecho Shades |
| | <input type="checkbox"/> Corridor | <input type="checkbox"/> Vertical Blinds |

Casework

- | | | |
|--------------------------------------------------------|-------------------------------------------|----------------------------------------|
| <input type="checkbox"/> Wood | <input type="checkbox"/> Plastic Laminate | <input type="checkbox"/> Solid Surface |
| <input checked="" type="checkbox"/> Other Bench | | |

Special Requirements

- | | | |
|-----------------------------------------------|-------------------------------------|---------------------------------------------|
| <input type="checkbox"/> Acoustical Treatment | <input type="checkbox"/> Whiteboard | <input type="checkbox"/> Bulletin Board: |
| <input type="checkbox"/> Video Conferencing | <input type="checkbox"/> CCTV: | <input type="checkbox"/> Projection Screen: |
| | | <input type="checkbox"/> Other: |

Mechanical & Plumbing Requirements

- | | | |
|--------------------------------------------|----------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Sink Type: | <input type="checkbox"/> Instant Hot Water | <input type="checkbox"/> Eye Wash |
| <input checked="" type="checkbox"/> Shower | <input checked="" type="checkbox"/> Hot/Cold | <input type="checkbox"/> Compressed Air |

Equipment

- | | | |
|---------------------------------------|------------------------------------|---------------------------------------|
| <input type="checkbox"/> Refrigerator | <input type="checkbox"/> Microwave | <input type="checkbox"/> Dishwasher |
| | | <input type="checkbox"/> Coffee Maker |

Electrical Requirements

- | | | |
|-------------------------------------------|-----------------------------------|--------------------------------|
| Lighting: | Controls: | |
| <input checked="" type="checkbox"/> Power | <input type="checkbox"/> Wireless | <input type="checkbox"/> Phone |
| | | <input type="checkbox"/> Data |

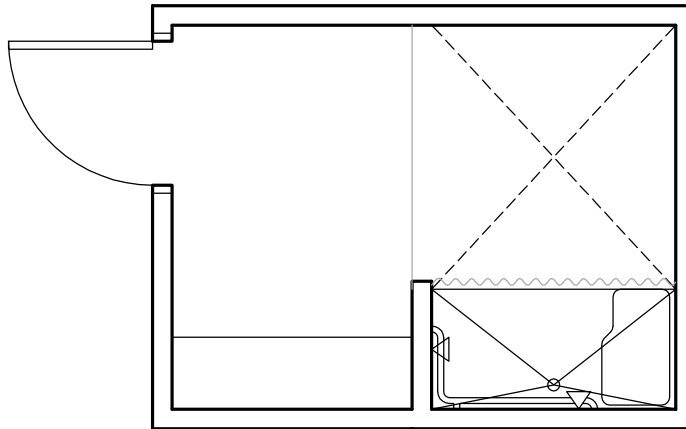
Adjacency

Adjacent: Near: **Faculty Offices** Far:
 Other:

Notes

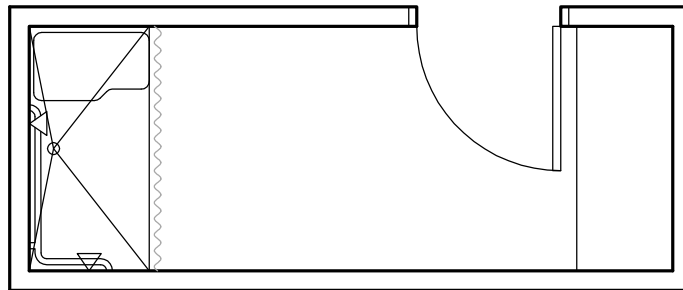
Shared by Biology Department





FACULTY
SHOWER

84 SF
10'-6" x 8'-0"



FACULTY
SHOWER

68 SF
5'-1" x 13'-5"



San Diego Community College District - Mesa College
MATHEMATICS & NATURAL SCIENCES BUILDING



Project No.: 08122

SCALE: 1/4" = 1'-0"

DATE ISSUED: 07.03.08



Architects | Delawie Wilkes Rodrigues Barker

DEPARTMENT: **BIOLOGICAL SCIENCES**

ROOM NAME: **FACULTY SHOWER**

NET AREA: 68-84 S.F.

No. OF OCCUPANTS: 1