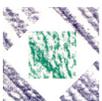


*TRAINING TODAY FOR TOMORROW'S CAREERS*



**MATC**  
MOUNTAINLAND  
APPLIED TECHNOLOGY  
COLLEGE

**NORTHERN UTAH CAMPUS NEW BUILDING PROGRAM**  
HFSArchitects  
Mountainland Applied Technology College



***HFS ARCHITECTS***  
***1484 SOUTH STATE STREET***  
***SALT LAKE CITY, UTAH 84115***

***801 • 596 • 0691***  
***FAX • 596 • 0693***

***WWW.HFSA.COM***

# SIGNATURE SHEET



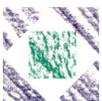
## **MOUNTAINLAND APPLIED TECHNOLOGY COLLEGE**

We, the representatives for Mountainland Applied Technology College, have reviewed the Northern Utah Campus New Building Program and hereby sanction that this Program adequately represents our request for a facility to fulfill our mission and programmatic needs. We further acknowledge that all appropriate parties involved in the programming effort have reviewed this document for completeness and accuracy.

\_\_\_\_\_  
Clay Christensen, President Date  
Mountainland Applied Technology College

\_\_\_\_\_  
Kurt Baxter, Program Director Date  
Division of Facilities Construction & Management

**NORTHERN UTAH CAMPUS NEW BUILDING PROGRAM**  
HFSArchitects  
Mountainland Applied Technology College



# ACKNOWLEDGMENTS



## ***Steering Committee***

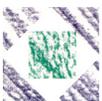
Clay Christensen, President, MATC  
Mark Walker, Vice President of Operations, MATC  
Fred Keetch, Vice President of Education, MATC  
Ken Pierce, Vice President of Student Services, MATC  
Lex Yoakum, Program Director Health & Services, MATC  
Holly Peterson, Program Director Bus., Tech. & Trades, MATC  
Kurt Baxter, Program Director, DFCM  
Robyn L. Smith, Principal, HFS Architects

## ***Programming Team***

Barry Smith, Principal In Charge, HFS Architects  
Robyn L. Smith, Programming Architect, HFS Architects  
Mark Harris, Structural Engineer, Reaveley Engineers  
Neil Spencer, Mechanical Engineer, VBFA  
Richard Wardle, Electrical Engineer, BNA

## ***Mountainland Applied Technology College Board***

Charles Castleton, Chair  
Mark Marsh, Vice Chair  
Clay Christensen, MATC Campus President  
Barbara Mendenhall, Assistant to the President  
Wayne Anderson  
Randall Boothe  
Mary Ann Christiansen  
Carolyn Merrill  
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Phillip Marchant  
Arthur Newell  
Randall Probst  
Tim Osborn  
Deborah Van Leeuwen



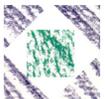
# ACKNOWLEDGMENTS

## *Mountainland Applied Technology College Faculty*

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Liz Ashby	Nicole Shelley
Carol Bell	Sarah Smith
Patti Belmap	Kathy Stephens
Justus Bohman	Mandy Strebel
Cindy Bradford	Beth Test
Candice Colledge	Randy Thorpe
Mandi Connelly	LaRae Thorpe
Jackie Craven	Kayde Watson
Shelly Curtis	Nancy Weller
Pauline Day	Aneda Woodard
Kristin Draper	
Darlene Durrant	
Debbie Edmunds	
Sharilyn Eldredge	
Julie Francis	
Sandra Greenwood	
Kathy Gurr	
Kathy Hall	
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Leslie Huston	
Karen Jarvis	
Sandra Johnson	
Jana Johnson	
Judy Keller	
Tricia Kirkham	
Mike Kowallis	
Scott Martin	
Cory Martin	

## *Mountainland Applied Technology College Staff*

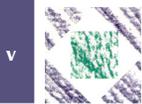
Lavette Brooks  
Marietta Evans  
Becky Finders  
Keri Hickok  
Mari Ivie  
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Tricia Marshall  
Mark Middlebrook  
Lisa Oakes-Hawker  
Ryon Price  
Jason Pugh  
Randy Reeves  
Roger Rice  
Lori Stewart



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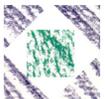


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## PROJECT JUSTIFICATION

MATC currently operates all programs in leased or borrowed space and serves North Utah County clientele in approximately 46,000 square feet of leased space in American Fork. Current student demand plus one of the highest projected growth levels in the state clearly indicate the need for permanent and expanded facilities in this part of MATC’s assigned service area.

The State of Utah and MATC have purchased approximately 22 acres in Lehi, Utah on the Thanksgiving Point campus from funding received from legislative appropriated Capital Development funds and MATC donations and other resources.

The site for this building is on the North end of Lehi near the “point of the mountain”, at Thanksgiving point. This location is optimal because of centralized location in the North Utah County area with high growth potential. The location is adjacent to I-15 and a future commuter rail stop to make for easy access for the four existing high schools (American Fork, Lehi, Lone Peak and Pleasant Grove) and two projected Alpine School District high schools north and west of Lehi.

## SPACE REQUIREMENT SUMMARY

The Northern Utah Campus building will be a new two-story, 75,330 gross square feet (GSF) facility. The programs to be housed in this new facility are the MATC Administration, Biotechnology, Cosmetology, Culinary Arts, Dental Assistant, Dental Office Administration, Emergency Medical Technician, Medical Assistant, Medical Billing and Coding, Medical Office Administration, Medical Transcription, Nursing, Pharmacy Technician, Physical Therapy Aide, and Student Services. The project is currently programmed at:

• MATC Administration	6,350 NSF	8,634 GSF
• Biotechnology	2,600 NSF	3,535 GSF
• Cosmetology	6,410 NSF	8,716 GSF
• Culinary Arts	9,240 NSF	12,564 GSF
• Dental Assistant	4,280 NSF	5,820 GSF
• Emergency Medical Technician	2,760 NSF	3,753 GSF
• Medical Assistant	2,090 NSF	2,842 GSF
• Medical/Dental Office Admin.	2,160 NSF	2,937 GSF
• Nursing	3,710 NSF	5,045 GSF
• Pharmacy Technician	1,800 NSF	2,448 GSF
• Physical Therapy Aide	2,160 NSF	2,937 GSF
• Student Services	11,840 NSF	16,099 GSF
<b>TOTAL</b>	<b>55,400 NSF</b>	<b>75,330 GSF</b>



# EXECUTIVE SUMMARY

## COST MODEL

### Site Construction Cost Summary

Site Costs		\$912,667
	<b>Subtotal</b>	<b>\$912,667</b>
General Conditions	5%	\$45,633
Overhead & Profit	7%	\$63,887
Bonds	1%	\$9,127
	<b>Subtotal</b>	<b>\$118,647</b>
<b>Site Construction Cost</b>		<b>Total \$1,031,314</b>

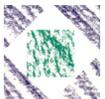
### Building Construction Cost Summary

Architectural Costs		\$7,161,245
Structural Costs		\$1,407,362
Mechanical Costs		\$2,876,079
Electrical Costs		\$1,763,995
	<b>Subtotal</b>	<b>\$13,208,681</b>
General Conditions	5%	\$660,434
Overhead & Profit	7%	\$924,608
Bonds	1%	\$132,087
	<b>Subtotal</b>	<b>\$1,717,129</b>
<b>Building Construction Cost</b>		<b>Total \$14,925,810</b>

**TOTAL CONSTRUCTION COST = \$15,957,124**  
**CONSTRUCTION COST PER SQUARE FOOT = \$212**

## PROPOSED PROJECT SCHEDULE

A/E Team Selection Announcement	03/13/08
A/E Team Contract Negotiations	03/14/08 to 03/31/08
Notice to Proceed	03/31/08
Schematic Design	04/01/08 to 04/30/08
Design Development	05/01/08 to 06/15/08
Construction Documents	06/16/08 to 10/15/08
Bidding	10/16/08 to 11/15/08
Contractor Contract Negotiations	11/16/08 to 12/15/08
Notice to Proceed	12/15/08
Construction	12/16/08 to 02/28/09
Occupancy	04/01/09



## PHYSICAL CHARACTERISTICS

### Site Location

Thanksgiving Point is located in Lehi, about 26 miles south of Salt Lake City in northern Utah County near “point of the mountain”.

In the year 2000, the population of Lehi was approximately 19,028 and the approximate number of families was 5,125.

The amount of land area in Lehi is 14.707 square kilometers. The amount of surface water is 0 square kilometers. The distance to the Utah state capitol is thirty miles. Lehi is positioned 40.40 degrees north of the equator and 111.85 degrees west of the prime meridian.

The elevation in Lehi is 4,550 feet above sea level.

### Regional Climate

The climate for Lehi is moderate. There are approximately 10 to 20 inches of snow each year with much more in the nearby mountain areas. Lehi average annual rainfall is 16 inches per year. The average temperature in Lehi during January is 21 degrees Fahrenheit and 83 degrees Fahrenheit in July.

## SITE PLANNING PRINCIPLES

### Views

Preserve/enhance existing view opportunities to south and east. Prioritize views from very public outdoor and public indoor spaces over those from private spaces. Create “viewing platforms” as well as peripheral views out of the campus open spaces. Link campus spaces together with selective views from one to the other. Planning should encourage view corridors or direct views away from undesirable views, such as the service/deck area.

### Shade & Shadow

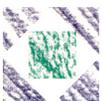
Minimize building shadowing of habitable outdoor spaces in winter, spring and fall -- maximize shade in summer. Utilize mature deciduous tree canopies as much as possible to achieve this end. Allow areas of un-shaded seating to extend the useful seasons into late fall and early spring.

### Outdoor Spaces

Create linked outdoor spaces or “outdoor rooms,” with both spatial closure and views outward. Create a variety of campus space types, quiet/active, green/paved, open/closed, shaded/sunny, etc. Limit hardscape areas to those which will attract large gatherings; in principle most outdoor spaces should not be hardscape.

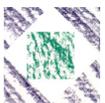
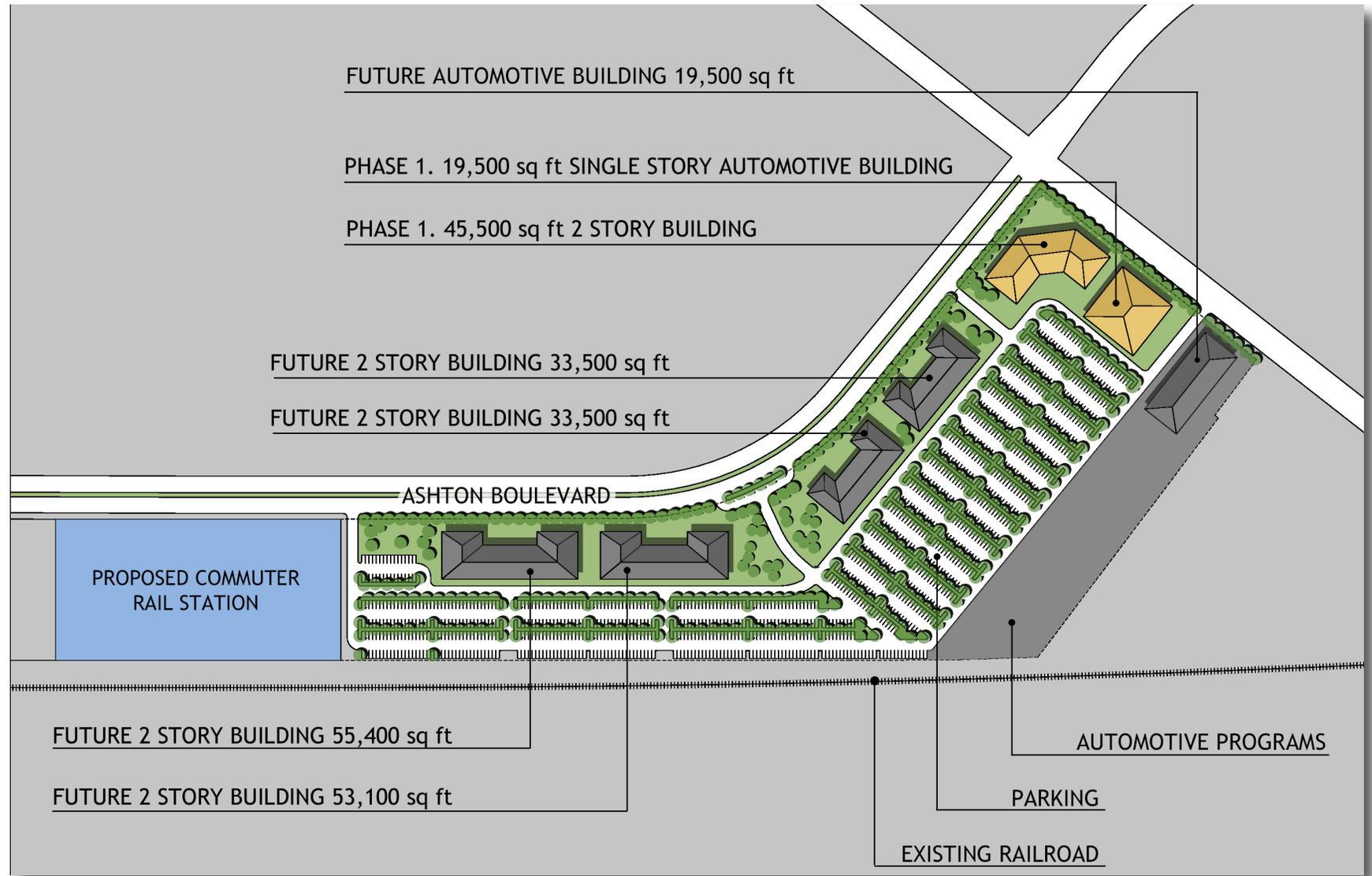
### City & County Zoning Ordinances

See Appendix A.



# SITE ANALYSIS

## CAMPUS MASTER PLAN



## SITE UTILITIES

### Water

There is a 10" culinary water main in Ashton Boulevard. There is a 10" culinary water main in 2300 West Street. The fire sprinkling and domestic water lines should connect into one or both of these lines.

### Natural Gas

Questar natural gas is available to the site. The building should connect to the intermediate high pressure main lines.

### Power

The building primary service shall be served from the Rocky Mountain Power distribution system. A new pad mounted transformer shall be located outside the facility and meet the requirements of Rocky Mountain Power. Secondary voltage will be 277/480 volt.

### Sanitary Sewer

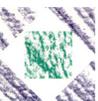
There is a public 12" sanitary sewer main in Ashton Boulevard and a public 18" sanitary sewer main on the south side of the property. There is an 18" public sanitary sewer located in 2300 West Street. The building sewer will connect to one of these sewers.

### Storm Drainage

There is a public storm drain main in Ashton Boulevard and a public storm drain main on the southwest side of the property. The building and site drainage should connect into the public storm drainage should connect into the public storm drain on the southwest side of the property.

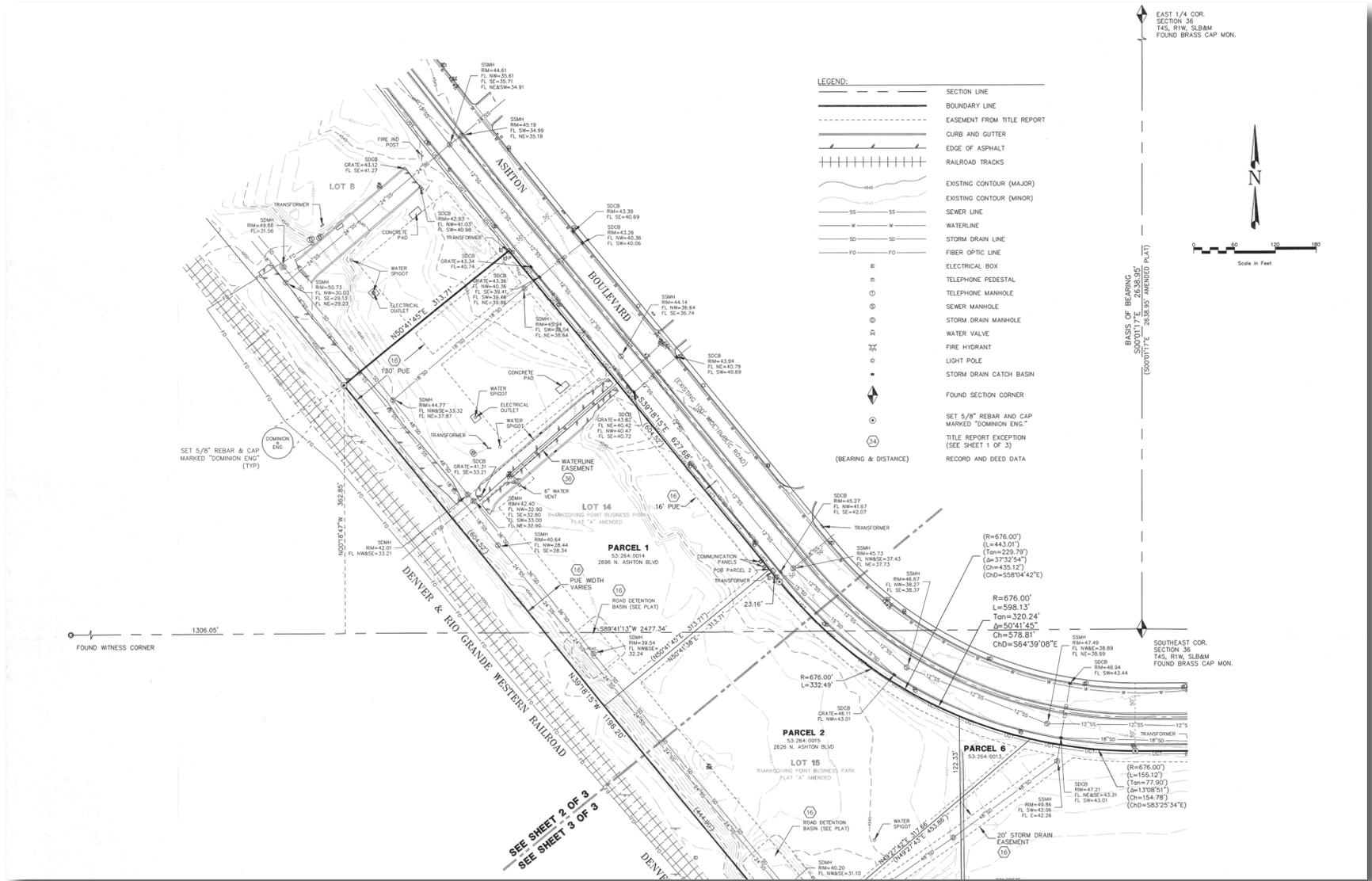
### Independent Testing & Surveying

The Architect / Engineer, and the selected testing lab, shall perform periodic construction observations, testing, and special inspections, as outlined in the DFCM Design Criteria for Architects and Engineers. The design engineer shall list all required special inspections on the contract drawings, and perform periodic construction observations as required by the A/E agreement. Costs for special inspections and testing services will be paid for directly by the owner.



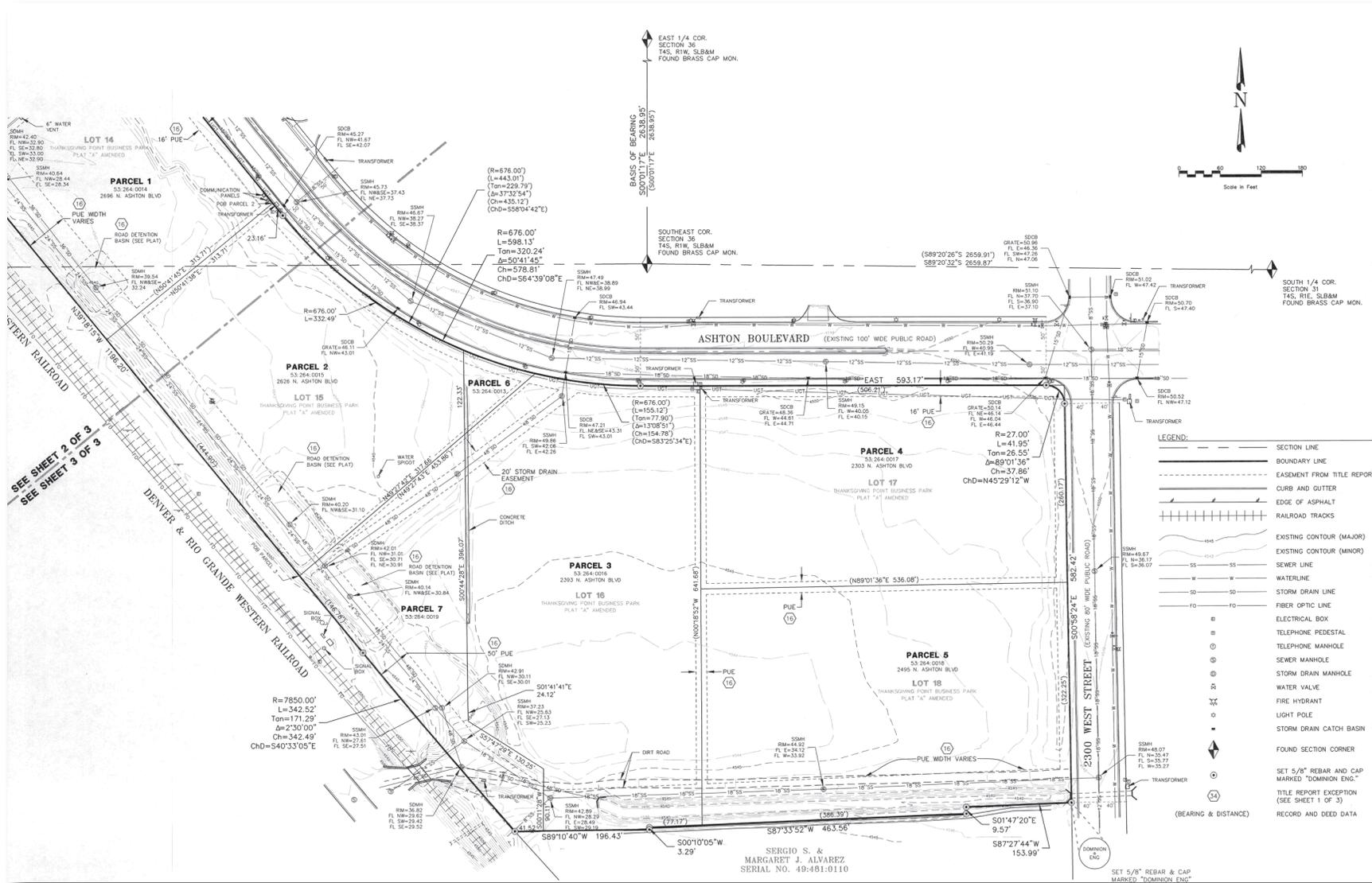
## NORTH SITE UTILITY PLAN

NORTHERN UTAH CAMPUS NEW BUILDING PROGRAM  
 Mountainland Applied Technology College  
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# SITE ANALYSIS

## SOUTH SITE UTILITY PLAN



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# SITE ANALYSIS

## SITE AERIAL PHOTOGRAPH



# BUILDING REQUIREMENTS



## MISSION STATEMENT

The mission of the Mountainland Applied Technology College is to provide market-driven career and technical education to both secondary and adult students, which meets the demand by Mountainland Region employers for technically skilled workers.

This is accomplished through competency-based education and training programs, which may be long term, short term, apprenticeship, or custom designed for individual employer needs. Many of the programs are offered in an open-entry, open-exit format providing flexibility for students and employers.

Students are assisted in acquiring the basic skills necessary to succeed in these technical training programs. MATC prepares students to enter, re-enter, upgrade, or advance in the workplace, which contributes to the economic development, and improves the quality of life for Mountainland Region citizens.

## JUSTIFICATION

MATC currently operates all programs in leased or borrowed space and serves North Utah County clientele in approximately 46,000 square feet of leased space in American Fork. Current student demand plus one of the highest projected growth levels in the state clearly indicate the need for permanent and expanded facilities in this part of MATC's assigned service area.

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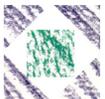
# BUILDING REQUIREMENTS

## HISTORY & GROWTH

The Mountainland region is the second most populated region in the state of Utah and the MATC has had a 208% increase in membership hours over the past ten years. The MATC has experienced an average of over 13% growth in membership hours over the past ten years and if that trend continues, the campus would exceed 2 million membership hours by the year 2016.

MATC's North Utah County growth cannot be handled within the capacity of the limited land and footprint of existing facilities in American Fork. The current facility is a former hardware store converted to accommodate limited numbers of students and programs. It has rapidly become ineffective and under capacity for MATC's needs. Short term capacity needs will be met by building on MATC (State Owned) land and by constructing a new facility. Additional growth will likely require additional phases to be added in the future.

Increased space is well supported by demographics for existing demand plus a reasonable allowance for future growth for the essential program. MATC is the fastest-growing UCAT campus in the state and continued growth is expected indefinitely. During the 2007 fiscal year the MATC experienced 14 percent growth in membership hours and is rapidly approaching 700,000 membership hours. Along with hourly growth is the student headcount which totals 8,819 high school and adult students. Mountainland Region population, especially in Northern Utah County is exploding. The population in Utah County is projected to increase by more than 207,000 people in the next 15 years. Securing sufficient land and buildings as growth occurs is a viable approach to meeting the demands and facilities needs of MATC.



# BUILDING REQUIREMENTS



## FORM & FUNCTION

### ***Building Massing & Form, Image & Quality***

The designated location for the new building is on the Thanksgiving Point Campus in Lehi, Utah. The architectural image of this building should be significant for both its location and long term durability. The new building should blend in with the traditional architecture of the buildings located around the site; as well as, explore new and modern materials.

#### **The Building Should Be Placed In A Way That Respects:**

- The existing setting and environment.
- The principle of development at a human scale.
- An organizational grid system and it's relationship to the solar grid and takes advantage of view opportunities.

#### **The Building Relationships Should:**

- Be visually apparent, with a strong connection to the existing buildings.
- Stimulate interaction among students, faculty, staff, alumni and donors.
- Be manifested in direct pedestrian access routes through and site and to the adjacent TRAX station.

#### **The Building Character Should Reflect:**

- A timeless design that will not become dated.
- An emphasis on consistency of attitude and scale rather than uniformity of design style.

#### **The Building Massing And Interior:**

- Should be based on a 30'-0" structural grid and a 5'-0" planning grid to provide flexibility and continuity.
- Circulation should be designed for flexibility.

#### **The Building Entries Should:**

- Be inviting, open and easily accessible.
- Be well-lit, with accent lighting throughout.
- Lead to a clear circulation path that provides a sense of orientation.



# BUILDING REQUIREMENTS

## *Building Space Utilization Efficiency*

The program uses a net-to-gross efficiency ratio of 0.67. This is typical and appropriate for classroom buildings. The areas not included in the net square footage calculations are:

- Restrooms
- Circulation
- Walls, Columns, Structure, and Partitions
- Unassigned Storage and Maintenance Areas
- Stairs
- Elevators
- Mechanical, Electrical, & Communication Shafts and Spaces

## *ARCHITECTURAL PLANNING ISSUES*

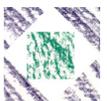
### *Natural Light & Views*

As far as possible every space shall have natural light and views. In general, nowhere in the building should be more than 35 feet from natural light.

The building should take advantage of daylight to promote connection to the exterior natural environment. Day lighting is to be incorporated into the design of spaces to supplement and supplant artificial lighting.

Daylight should be integrated into building circulation to reinforce connections to the exterior and relieve interior spaces.

Identify view opportunities and incorporate them into the design of the building. The goal is to take advantage of these views from the most public areas of the building.



## ***Building Circulation***

### **Internal Circulation:**

- Maximize interactions and efficiency by utilizing “branching” single corridors / routes wherever possible in lieu of multiple parallel corridors / routes.
- Locate interior entry lobby in close relation to outdoor public spaces, to strengthen the indoor / outdoor relationship and encourage activities to continue from one space to the other.
- Locate high use areas such as the workrooms and break rooms in central location nodes, for ease of access and maximum chance of encounters.

### **External Circulation:**

- Use outdoor pedestrian pathways in combination with outdoor public spaces, to allow for a maximum number of casual encounters.
- Locate pathways as an organizing way finding device for building entry.
- Use deciduous trees and landscaping to delineate pathways, and have shade in the summertime.

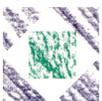
## ***Approach to Materials & Finishes***

It is vital that this new campus and it’s first building be planned as a long term investment. Materials and finishes are to be selected for durability as well as aesthetics. In addition, building systems, materials and finished life-cycle costs should be assessed in comparison with the project’s financial projections and value engineering considerations.

Also see Appendix A for further requirements and restrictions.

### **Building Exterior Materials and Finish Goals:**

- Exterior wall finishes and structure to be 100-year materials.
- Exterior wall fenestration to be 50-year materials.
- Roofing and waterproofing to be 20-year materials.
- Below-grade waterproofing to be 10-year materials.



# BUILDING REQUIREMENTS

## Building Security

### Programmatic Building Security Requirements As Follows:

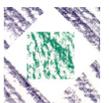
- The building’s security system shall provide for separate security for the main functions of the building.
  - Pedestrian Circulation
  - Meeting Rooms
  - Offices
  - Classrooms
- The door unlocking system for all interior spaces shall follow the Mountainland Applied Technology College’s Design Guidelines.

## Space Type Summary & Space Standards

The types of spaces to be provided in the new Classroom Building for the Mountainland Applied Technology College’s new Thanksgiving Point Campus are as follows:

SPACE TYPES		
Space Type	Number	Net Area
Faculty Open Office/Workstation	31	3,570 SF
Faculty / Staff Private Offices	39	5,470 SF
Classrooms	14	12,600 SF
Instructional / Simulation Labs	18	13,190 SF
Computer Labs	2	1,800 SF
Media / Resource Library	3	1,960 SF
Faculty / Staff Workrooms	7	4,360 SF
Conference Room	4	6,750 SF
Storage Rooms	14	3,480 SF

The standardization of space allocations for equivalent functions has been a goal of the programming process. Since Mountainland Applied Technology College does not currently have a policy concerning this, every attempt has been made to comply with the standards established by the State of Utah for higher education (adopted, August 1994).



## CODES, REGULATIONS & SAFETY

The materials, design and construction of Mountainland Applied Technology College new Classroom Building on the Thanksgiving Point Campus will conform to the standards established by the Utah State Division of Facilities Construction and Management (DFCM). Furthermore, it will conform to all building, accessibility codes and requirements, and the energy codes adopted by the State of Utah at the time of design and construction, whether or not they are specifically referenced in this document.

It is the responsibility of the Design Team and the Architect of Record to verify and utilize all the latest revisions, editions and adopted versions. If there are conflicting standards, code provisions and/or regulations, the most stringent will govern unless such requirement is waived in writing by the Utah State Division of Facilities Construction and Management.

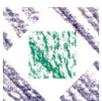
In addition, the Design Team and Architect of Record will be required to coordinate their efforts with the Mountainland Applied Technology College facilities personnel and DFCM.

The following represents a partial list of currently applicable codes and standards.

- International Building Code (IBC) 2006 w/ Utah Amendments
- International Mechanical Code (IMC) 2006
- International Plumbing Code (IPC) 2006
- National Electric Code (NEC) w/ Utah Amendments 2005
- Life Safety Code NFPA 101 w/ Utah Amendments
- International Fire Code (IFC) 2006
- Laws, Rules, & Regulations of the Utah State Fire Marshal
- Americans w/ Disabilities Act Title III, 1991/1998 (ADA)

- Planning & Design Criteria to Prevent Architectural Barriers for Aged & Physically Handicapped (4th Revision, w/ lever hardware amendment)
- International Energy Conservation Code 2006
- International Fuel Gas Code (IFGC)
- EIA/TIA, Electronics Industries Association / Telecommunications Industry Association.
- IEEE 1100-1999, Recommended Practice for Power & Grounding Electronic Equipment
- IESNA, Illuminating Engineering Society of North America
- NFPA, National Fire Protection Association (applicable sections including but not limited to): NFPA 70, National Electrical Code & NFPA 72, National Fire Alarm Code
- ASHRAE Indoor Air Quality 62-2001 & Addendum 62n
- Utah Code for Energy Conservation in New Building Construction (ASHRAE Standard 90.1-1989)
- American Society of Heating, Refrigeration & Air Conditioning (ASHRAE)
- Occupational Safety & Health Administration (OSHA)
- Sheet Metal & Air Conditioning Contractor National Association (SMACNA)
- Underwriters Laboratory (UL)
- American Society of Testing Materials (ASTM)
- American Standards Association (ASA)
- DFCM Design Criteria for Architects & Engineers
- DFCM Indoor Air Quality Criteria
- State of Utah Boiler & Pressure Vessel Rules & Regulations

Also recommended: ANSI/ASHRAE Z9.5



# BUILDING REQUIREMENTS

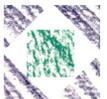
## *Occupancy Classification*

The occupancy determination must be confirmed by the Architect of Record with the State Fire Marshall at the time of design.

## *ADA Accessibility*

The new classroom building is required to be in compliance with the American with Disabilities Act, Title III, 1991/1998 (ADA). The Utah State Building Board has adopted the following additional requirements:

- All public entries to the building will be ADA compliant with automatic door operators including required vestibule doors.
- One set of accessible restroom doors shall be equipped with automatic door operators including vestibule doors if applicable.
- ADA compliant parking shall be provided.



# BUILDING REQUIREMENTS



## 2006 INTERNATIONAL BUILDING CODE REVIEW

### Occupancy

(Chapter 3)	University Function	B	(section 304)
	Dining Room	A2	(section 303)
	Large Classroom	A3	(section 303)

### Occupancy Separation

(Table 508.3.3)		B to A2 or A3 = 1 hour
-----------------	--	------------------------

### Type of Construction

(Chapter 6)		Type IIA
	(substituting sprinklers for 1 hour fire resistance rating)	

### Frontage

(Section 506.2)		Assume .75
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### Occupancy Separation Required

Yes

### Fire Sprinklers

Yes

### Stories Allowed

(Table 503)	A2	3 stories
	A3	3 stories
	B	5 stories

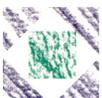
### Allowable Building Area

Occupancy	A2/A3	B
Programmed Area	5,400	69,870
Basic Allowable Area (503)	15,500	37,500
(Note: per floor)		
Frontage Increase (506.2)	1.75	1.75
(1.75)		
Multi-Story Increase (506.4.1)	x2	x2
(Note: up to 3x)		
Sprinkler Increase (506.3)		
(Not allowed)		
Total Allowable Area	54,250	131,250
Actual / Allowable (506.41)		
Total: 0.64 is less than 1	10%	54%

### Fire-Resistive Requirements

(Table 601)

Structural Frame	
Including columns, girders, tresses:	0 hour
Bearing Walls	
Exterior Walls:	0 hour
Interior Walls:	0 hour
Non-Bearing Walls and Partitions	
Exterior Walls (Table 602)	0 hour
Interior Walls (Section 602)	0 hour
Floor Construction	
Including supporting beams and Joists:	0 hour
Roof Construction	
Including supporting beams and joists:	0 hour



# BUILDING REQUIREMENTS

## STRUCTURAL SYSTEMS DESIGN CRITERIA

The structural design for this project should provide a building system which will integrate with the program requirements for space layout, as well as with the architectural and building service needs, while meeting current code standards for vertical and horizontal load carrying capacity. User needs in terms of current flexibility of the spaces and future adaptability of use should be considered. The level of user comfort as determined by the acoustic and vibration sensitivity of the structure also should be addressed.

### Structural / Service Coordination

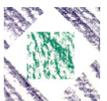
Layout of the structural grid will need to respect the classroom, office, and public area spaces established for the various building functions. The dining room associated with the culinary arts program is an area that will require special attention with regards to its placement within the facility with respect to column grid layout as this space is envisioned as large column free area. During the design phase, a completely integrated approach to building systems is recommended.

Distribution of HVAC, plumbing and electrical services must be carefully coordinated with the structural elements, particularly at framing intersections and major crossover points. This close coordination must be achieved in order to avoid conflicts and limit penetrations of major structural members.

## Codes and Standards

Codes and standards that apply to the design of this building are:

- 2006 International Building Code
- DFCM Design Criteria for Architects and Engineers, May 25, 2005
- American Institute of Steel Construction (AISC) with Commentary
- ACI 318 Building Code Requirements for Reinforced Concrete
- ACI 530 Building Code Requirements for Masonry Structures
- American Iron and Steel Institute (AISI) Specifications for the design of Cold-Formed Steel Structural Members
- American Welding Society (ANSI/AWS) D1.1 Structural Welding Code
- Steel Joist Institute (SJI) for open web Joists and Girders
- Steel Deck Institute (SDI) for Metal floor and roof Decks



## Geotechnical Criteria

A site specific geotechnical investigation has not been completed at this time. Based on discussions with geotechnical engineers familiar with the Thanksgiving Point area, the site may have collapsible soils present in the upper 10'. The soil profile below the collapsible material is anticipated to be stiff clay. Bearing pressures in the range of 3,000 psf should be anticipated. Buildings with basements will typically extend through the collapsible layers. As this building is not anticipated to have a basement level it may be necessary to remove and replace any collapsible materials encountered on the site. Alternative approaches to removing collapsible materials would include aggregate piers, helical piers, and micro-piles. The relative costs of removal and replacement of collapsible soils will need to be weighed against the cost of alternate foundation systems to determine the most cost effective system. A nominal amount of over-excavation and replacement structural fill may be required to achieve adequate bearing pressures on the native clays.

Once the final building size, configuration, structural system, number of levels above and below grade, and column loads have been determined, the project geotechnical consultant shall review the following items to verify the assumptions in the geotechnical report conform with the final proposed design of the facility:

- Soil bearing capacity
- Structural fill requirements
- Potential differential settlements
- Potential for expansion or collapse of soils due to moisture changes
- Liquefaction potential
- Groundwater restrictions
- Seismic considerations, coefficients, fault traces, etc.
- Lateral bearing pressures – active and passive
- Alternate foundation systems
- Pavement sections



# BUILDING REQUIREMENTS

## Design Criteria

The structural systems in the facility shall be designed to meet the requirements of the 2006 International Building Code (IBC) and the Design Criteria Manual adopted by the Utah State Building Board. The following minimum requirements should be anticipated:

### Occupancy Category:

- Category III (Buildings and other structures with a capacity greater than 500 for colleges or adult education facilities)

### Wind Loads:

- Wind Velocity: 90 mph (3 second Gust)
- Exposure Type: "B" or "C" for the building structure, as appropriate to the site. Exposure "C" shall be used for elements and components including the exterior window wall systems
- Wind Importance Factor ( $I_w$ ): 1.15

### Seismic Loads:

- Short Period Mapped Acceleration:  $S_s = 1.20$
- Long Period Mapped Acceleration:  $S_1 = 0.51$
- Site Class: D (Assumed, to be confirmed by geotechnical investigation)
- Seismic Design Category: D
- Seismic Importance Factor ( $I_e$ ): 1.25

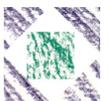
### Roof Loads:

- Ground snow ( $p_g$ ): 43 psf  
Calculate roof snow load as specified in the Utah Uniform Building Standard Act Rules R156-56 issued January 1, 2002. Design for snowdrift where appropriate. Roof live loads shall not be less than that specified in IBC 1607.11.
- Snow Importance Factor ( $I_s$ ): 1.10

### Floor Live Loads:

- Floor design live loads shall be in accordance with the latest edition of the DFCM Design Criteria Manual and the 2006 International Building Code and as follows:
  - 80 psf, unreduced, except for column and footing designs.
  - 15 psf movable partition load.
  - Areas of concentrated standard file storage - 125 psf.
  - Floor areas supporting high density rolling files - 225 psf, or actual load.
  - Paper storage areas – 250 to 350 psf as appropriate.
  - UPS Battery Storage areas – 250 to 450 psf as appropriate.
  - Mechanical equipment rooms – 125 psf minimum or more as required by the final design.
- Areas where heavy load concentrations exceed the normal loading requirements shall be designed for the specific load case.

Note: The more stringent requirement between the 2006 IBC, the DFCM Design Criteria Manual, and the loads given above shall govern.



## **Floor Vibration Criteria**

Control of suspended floor and roof structure vibrations due to human and mechanically induced excitation forces shall be considered in the selection of the building structural floor and roof framing systems.

It is not anticipated that any activities or equipment that are sensitive to floor vibrations will be located within this facility. This should be verified as part of the final design. Should vibration sensitive activities or equipment become necessary within the facility then structural system compatibility should be carefully evaluated.

## **Structural System Selection Cost Comparison**

The structural system chosen for the building shall be selected based upon the following criteria:

- A cost comparison of at least two structural systems shall be investigated. The comparison should be broken down in detail with each component of cost significance being listed separately.
- Various structural systems comparing building construction time, material availability, coordination of various trades, lead times for ordering materials, appearance, owner preference, maintenance costs, flexibility for future remodeling, and compatibility with surrounding buildings should be considered when choosing the final structural systems for the building.
- Damage to the building structure and its contents due to lateral earthquake and/or wind loads should be evaluated between various structural systems. Damage control to building non-structural systems is a pertinent and important consideration when selecting the building structural system.

More rigid shear wall and/or braced frame lateral force resisting systems provide greater damage control to a building's non-structural systems than does a more flexible moment frame type lateral force resisting system. However, a moment frame lateral force resisting system provides almost unlimited programmatic and planning flexibility initially and during the life of the building.

All cost comparisons between structural systems should include interface costs between other building components such as architectural finishes, exterior enclosure systems, mechanical systems, and electrical systems.

Life cycle costing methods should be used where applicable.



# BUILDING REQUIREMENTS

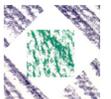
## *Future Building Expansion*

The A/E designers of the building shall not consider potential future horizontal and/or vertical expansions because:

- Future vertical expansion is not anticipated.
- Future horizontal expansion of the structure is not anticipated.

## *Testing and Inspections*

The Architect / Engineer, and the selected testing lab, shall perform periodic construction observations, testing, and special inspections, as outlined in the DFCM Design Criteria for Architects and Engineers. The design engineer shall list all required special inspections on the contract drawings, and perform periodic construction observations as required by the A/E agreement. Costs for special inspections and testing services will be paid for directly by the owner.



# BUILDING REQUIREMENTS



## MECHANICAL, PLUMBING & FIRE PROJECTION SYSTEMS DESIGN CRITERIA

### Codes & Standards

- International Building Code, 2006
- International Mechanical Code, 2006
- International Plumbing Code, 2006
- International Fire Code, 2006
- International Energy Conservation Code, 2006
- NFPA 13
- Utah State Boiler Code
- DFCM Design Criteria
- DFCM High Performance Building Rating System
- ASHRAE Guidelines and Standards

### Basic Mechanical Requirements

#### High Performance Building Requirements:

This facility will conform with the DFCM High Performance Building Rating System.

#### Fundamental Building Systems Commissioning:

DFCM may engage a Commissioning Agent that is not an individual directly responsible for the project design or employed by one of the designers. The Commissioning Agent shall ensure that fundamental building components are installed and calibrated to operate as intended.

#### Life Cycle Cost Analysis:

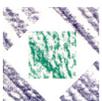
The designers shall use life-cycle cost analysis in making decisions about their investments in products, services, construction, and other projects to lower the State Government's costs and to reduce energy and water consumption.

#### CFC Reduction in HVAC & Refrigeration Equipment:

The designers shall select HVAC and refrigeration equipment without chlorofluorocarbons (CFC) based refrigerants.

#### Ventilation Systems:

The designers shall provide a mechanical ventilation system according to ASHRAE Standard 62. The mechanical ventilation system shall have the capability to operate continuously during occupancy and designed not to be easily shut down or otherwise defeated, such as blocked registers.



# BUILDING REQUIREMENTS

## Drainage Systems:

The designers shall design surface grades, storm drainage system, HVAC system, and other systems to avoid accumulation of standing water around the building

## Mold Prevention During Construction:

The contractor shall ensure porous type building materials, insulation, and fabric is kept dry to prevent the growth of mold and bacteria. Materials that have been affected by mold shall be abated or replaced. Building insulation that is damp or wet for 72-hours shall be replaced.

## Filtration Media Replacement Before Occupancy:

The contractor shall ensure that filtration media is replaced before occupancy

## Thermal Comfort:

The designers shall ensure that the thermal comfort requirements are according to ASHRAE Standard 55. Exceptions:

- Winter humidification is not required.
- Summer dehumidification is not required.
- Upper temperature limit in naturally ventilated buildings is not required.

## Energy Efficiency Requirements:

To attain optimum energy performance, DFCM may select an integrated system of components to reduce source energy use 10% from what is required by ASHRAE Standard 90.1.

## *Mechanical Utilities*

### Sanitary Sewer:

There is a public 12" sanitary sewer main in Ashton Boulevard and a public 18" sanitary sewer main on the south side of the property. There is an 18" public sanitary sewer located in 2300 West Street. The building sewer will connect to one of these sewers.

### Storm Drainage:

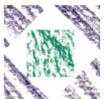
There is a public storm drain main in Ashton Boulevard and a public storm drain main on the southwest side of the property. The building and site drainage should connect into the public storm drainage should connect into the public storm drain on the southwest side of the property.

### Water:

There is a 10" culinary water main in Ashton Boulevard. There is a 10" culinary water main in 2300 West Street. The fire sprinkling and domestic water lines should connect into one or both of these lines.

### Natural Gas:

Questar natural gas is available to the site. The building should connect to the intermediate high pressure main lines.



# BUILDING REQUIREMENTS



## ***Mechanical Basis of Design***

### ***Design Temperatures:***

	Winter	Summer
Outdoor Temperature	0°F	94° DB/65° WB
Indoor Temperature	0°F	72° F/50% RH Max.

### ***Acoustical Criteria:***

HVAC related background sound in rooms will comply with the 2007 ASHRAE HVAC Applications Manual Table 42.

- Offices RC 25 to 35
- Conference Rooms RC 25 to 35
- Open Plan Offices RC 40
- Corridors and Lobbies RC 40 to 45
- Classrooms RC 25 to 30
- Larger Lecture Rooms RC 25
- Laboratories RC 35 to 45

### ***Heat Source:***

The heat source will be two gas fired high efficiency condensing boilers each sized for 60% of the load. The hot water design temperatures will be designed to achieve the maximum efficiency of the boilers.

### ***Cooling Source:***

The cooling source will be a water cooled chiller. The chiller will reject heat to a cooling tower. The chiller will be located indoors. The chiller will have two compressors and two independent refrigerant circuits for redundancy.

### ***Ventilation:***

Ventilation will be provided in compliance with the 2006 International Mechanical Code.

- Classrooms 15 CFM/person
- Office Space 20 CFM/person

An outside air flow measuring device will be provided at each air handler. A CO<sub>2</sub> sensor will reset the outside air flow between minimum and maximum value.

### ***HVAC System:***

A central variable air volume (VAV) reheat system is a good fit for this building. Air handlers will be located indoors. VAV boxes with hot water reheat coils will be provided for each zone. The air handler should have two parallel fans for redundancy.

All spaces shall be thermally zoned with individual thermostats.

### ***Exhaust Air System:***

Kitchen: Provide exhaust air system for the kitchen hoods and dishwasher. Exhaust fans to be rooftop with up-blast type fans.

Chemical Fume Hoods: Provide exhaust air system for the chemical fume hoods. Exhaust fans to be roof mounted with vertical discharge.

Nail and Pedicure Salons: Provide exhaust air system for these spaces. Exhaust fans to be roof mounted with vertical discharge.

### ***Air Distribution:***

The ducts from the air handler to VAV boxes shall be medium velocity (3,000 feet/minute maximum, 0.25 water gage/100 feet maximum pressure drop). The ceiling space will be a return air plenum.

# BUILDING REQUIREMENTS

**Heating Hot Water Piping System:**

Constant flow primary loop; variable flow secondary loop. Primary and standby pumps, each sized at 100% flow. Variable frequency drives on each variable flow pump.

**Chilled Water Piping System:**

Constant flow primary loop; variable flow secondary loop. Primary and standby pumps, each sized at 100% flow. Variable frequency drives on each variable flow pump.

**Automatic Temperature Controls:**

Direct Digital Controls (DDC) with electric damper and valve actuators. Approved manufacturers / installers are Johnson Controls/ Johnson Controls, TAC Controls/Utah Controls, and Staefa Controls/ Atkinson Electronics.

**Fire Sprinkling:**

Automatic wet-pipe sprinkler system. Piping will be standard weight domestic black steel with mechanical couplings, threaded joints or welded joints.

Provide a Pre-Action System in the Main Server Room.

**Plumbing:**

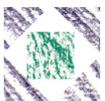
Provide a central high efficiency condensing type gas-fired water heater to provide 130°F hot water to the building.

Provide an acid waste and vent system for the Biotechnology Labs. Provide a central automatic and neutralization system as required by the codes.

## ELECTRICAL SYSTEMS DESIGN CRITERIA

### Codes & Standards

Codes directly applicable to the design of the electrical system are the 2005 National Electrical Code, 2006 International Building Code, the International Fire Code, applicable standards of ASHRAE for energy conservation. Standards of UL, the National Electrical Manufacturer’s Association, and OSHA should be incorporated in the design of the electrical systems.



## ***Lighting Systems***

Lighting systems for the facility shall maximize energy efficiency while providing adequate illumination for performance of specified tasks. A balance shall be achieved between the quality and energy efficiency of the lighting.

Lighting levels should be in conformance with the Recommended Illuminance Categories and Illuminance Values for Lighting Design, 8<sup>th</sup> edition, IES Lighting Handbook. Total lighting load for the facility should not exceed the calculated lighting power budget as determined by ASHRAE standards. Where applicable, task lighting systems should be employed to minimize energy consumption.

### ***Economic Comparison:***

Initial and life cycle costs shall be compared for major system types, with emphasis on maximizing efficiencies of light sources and utilizing the most efficient luminaires suitable for the task involved.

### ***Ballasts for Fluorescent Systems:***

Ballasts for full-sized fluorescent lamps (non-compact fluorescent) shall be electronic, Class P, A rated with a total harmonic current distortion of less than 20% and power factor above 95%. Light regulation must be limited to 1% for a +/-10% input voltage fluctuation. Ballasts for compact fluorescent lamps (where used) should be electronic, high power factor type.

### ***Lamps:***

Full-size fluorescent lamps shall be T-8, “thick coat” tri-phosphor lamps with color rendering index greater than 80, suitable for operation on ballasts indicated above. T5 lamps will be considered where it can be shown that they provide superior performance or

where better suitability for the application can be demonstrated. High output and other lamps may be used where economic analyses show their superior life-cycle performance. Where applicable for lighting of small areas, for task lighting in control rooms, and for accent lighting, tungsten halogen lamp technologies should be employed. Encapsulated PAR lamps are preferable to A-shape lamps.

### ***Design Strategies:***

Design of “artificial” lighting systems shall compliment daylight available to interior spaces to maximize energy efficiency. Luminance ratio for interior spaces will be in compliance with IES RP-24, particularly in areas where use of VDT’s is likely. Lamp sources shall be specified to minimize variations in color temperature.

### ***Exterior Lighting Systems:***

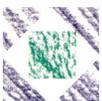
Exterior lighting shall be compatible with lighting levels in the surrounding area, sufficient for security of the building, and sufficient for walkways and parking, as applicable. Campus standards for exterior lighting shall be adhered to.

### ***Exit Signs:***

Provide green LED exit signs at appropriate locations.

### ***Control Systems:***

Consideration shall be given to multi-level switching systems, load shedding, occupancy sensors, and other energy reducing techniques.



# BUILDING REQUIREMENTS

## ***Power Distribution Systems***

The facility primary service shall be served from the Rocky Mountain Power distribution system. A new pad mounted transformer shall be located outside the facility and meet the requirements of Rocky Mountain Power. Secondary voltage will be 277/480 volt.

Service entrance equipment shall be circuit breaker type. Future capacity and expandability are of prime importance. Time-current system coordination and coordinated ground fault protection will be studied to insure minimum system outage due to malfunction. A balance must be achieved between system reliability and economic constraints.

Distribution equipment shall be circuit breaker type. Equipment shall be provided with copper bussing.

## ***Raceway***

### **Galvanized Rigid Conduit (GRC):**

Use in all hazardous locations as required by the NEC.

### **Intermediate Metal Conduit (IMC):**

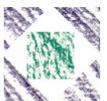
Use for main and subfeeders in all areas other than buried under floor or below grade; branch circuits in masonry and concrete walls with one side in contact with the earth.

### **Electrical Metallic Tubing (EMT):**

Use for branch circuits in dry walls and ceilings.

### **Rigid Plastic Conduit:**

Use for main feeders, subfeeders, and branch circuits buried under floor or below grade. All underground conduit exterior to the building shall be a minimum size of 1 inch, buried at a depth of not less than 2 feet below grade.



# BUILDING REQUIREMENTS



## Conductors

All conductors shall be copper with THHN/THWN insulation. Conductors used for branch circuits in areas where the ambient conditions exceed 60 degrees C shall be provided with an insulation approved for that temperature. All conductors to be sized per NEC with a minimum size of #12. Conductors #8 and larger to be stranded.

## Emergency Power System

Emergency power shall be provided for life safety functions. Life safety functions include means of egress lighting, lighting in certain critical spaces, and power for the fire alarm, telephone, security system.

A diesel-driven engine generator shall be provided with adequate capacity for life safety and emergency loads. Each area of the facility should be served from an emergency power panel as dictated by load.

Locate generator exterior to the building on a concrete pad and with a weather protective enclosure. Include a skid mounted double walled fuel tank with a minimum capacity of 24 hour fuel supply at full load.



# BUILDING REQUIREMENTS

## ***Special Systems***

### **Telephone Raceway System:**

A system of telephone outlets, raceways, backboards, grounding, etc. will be required throughout the facility for a complete telephone raceway system. In accordance with campus standards, where telephone outlets are required, provide 3/4" raceways from the cable tray (see paragraph 2 below for cable tray system) to a 4" square box with a single gang plaster ring and blank cover. Each such outlet will then serve as a combination telephone and data outlet. See individual space outline sheets for outlet requirements.

### **Telecommunications / Data Raceway System**

Raceway systems for signal cabling will be required throughout the facility. Data outlets are to be incorporated as a portion of a combined telephone / data outlet as described in paragraph 1 above, and/or in accordance with Campus telecommunications standards. A trunk cable tray system with conduit branches to individual outlets should be provided. Cable trays should circulate throughout the facility and terminate on each floor in stacked telecommunications closets. Radius all telecommunications raceways to allow the use of fibre optic cabling. The Owner will provide and install all voice and data cabling.

### **Clock System:**

Provide battery operated clocks in all public areas as well as areas designated by the individual space outline sheets.

### **Fire Alarm System:**

Provide an addressable, ADA compliant fire alarm system in accordance with code requirements and requirements of the Utah State Fire Marshal. In addition, provide smoke detectors in electrical

rooms, elevator equipment rooms, and other areas where appropriate.

### **Line Conditioning:**

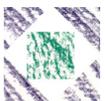
Provide transient over voltage and "noise" protection on the service entrance, and on selected panel boards in the facility which are likely to serve microprocessor based equipment and/or other electronic equipment sensitive to voltage spikes.

### **Security System:**

A security system shall be provided for each department. Exterior doors shall be monitored by door security switches. Security system shall report alarms to an off-site central station.

### **Public Address / Paging System:**

A public address system shall be provided. The system shall serve public spaces and be arranged for voice paging and announcements.



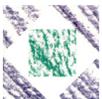
## LANDSCAPE DESIGN CRITERIA

### *Outdoor Space Types & Features*

Create a variety of campus space types: quiet / active, green / paved, open / closed, shaded / sunny, etc. Limit hardscape areas to those that will attract large gatherings; in principal most outdoor spaces should not be hardscape. The building and site must provide for quality key open space. The building site offers an opportunity to create additional outdoor activity areas and to enhance the existing outdoor activity areas / green spaces. Provide fixed and movable site furniture at strategic quiet and busy locations to accommodate both quiet lounging and interactions.

### *Site Accessibility*

Paths to building entrances shall meet ADA criteria for slope and landings. Wherever possible, all other site paths shall meet ADA criteria. If that is unfeasible in a particular location, provide elevator access within the Mountainland Applied Technology College new Classroom Building on the Thanksgiving Point Campus that will allow wheelchair users to transition the non-compliant grade condition. All usable outdoor spaces shall be fully accessible.



# BUILDING REQUIREMENTS

## ***Landscape & Site Design Considerations***

### ***Bicycles:***

Provide for bicycle usage along the pedestrian corridors, and secure bicycle storage adjacent to the entrance. Bicycle racks, rather than bicycle lockers, should be located conveniently near building entrances.

### ***Trash and Recycling Containers:***

Locate receptacles near building entrances and in areas where people are encouraged to congregate. Recycle bins should be located adjacent to trash bins to encourage use.

### ***Plant Materials:***

Indigenous plant materials should constitute a majority of the plant palette and be able to withstand drought conditions during the heat of summer months. Deciduous trees are encouraged along pedestrian walks and in plaza areas to provide shade. Mass shrub plantings should avoid creating areas of security hazard (i.e. along pedestrian walks and entry ways).

### ***Irrigation:***

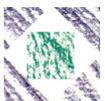
Irrigation should not be considered as the primary source of plant vitality. Limited focal areas may be considered for irrigation, with consideration of minimal water consumption. Large expansive lawns are to be avoided due to the limited water availability. High drought tolerant grass species should be specified. Alteration of the topography to concentrate water in plant beds and lawn areas instead of storm drains should be considered. Xeriscape design concepts should be incorporated and coordinated with Mountainland Applied Technology College personnel and DFCM.

### ***Site Lighting:***

Lighting is to be provided along pedestrian walks for security. High cut-off fixtures should be used to avoid light wash pollution to adjacent buildings and the sky.

### ***Paving Alternatives:***

Consider using pavements in areas of low pedestrian concentration or tertiary circulation patterns. Permeable pavements potentially reduce the amount of storm water run-off.



# BUILDING REQUIREMENTS



## VALUE ENGINEERING

The Mountainland Applied Technology College may conduct Value Engineering Workshops with the Design Architect at the end of the Schematic Design and Design Development phases. The VE sessions should include a presentation of the project by the Design Team, and evaluations / recommendations by the Owner and User. The College may also invite a “cold team” to participate in these workshops.

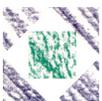
## SUSTAINABLE DESIGN

### Definition

The American Institute of Architects defines sustainability as “the ability of society to continue functioning in the future without being forced into decline through exhaustion or overloading of the key resources on which that system depends.” In simple terms it is the principal of accommodating human needs without diminishing the health and productivity of natural systems.

Current building practices do not represent a sustainable approach to design. The reality is that buildings consume nearly a third of America’s energy-- much of it wasted by inefficient design-- while land-use decisions influence another third used in transportation. However, sustainable design practices represent a healthy balance between human needs and natural systems described above.

This balance can be put into two categories, Resource Efficiency and Community Sensitivity. Resource Efficiency is the practice of utilizing resources such as land, water, soils, minerals, fossil fuels and electricity to their fullest capability. Community or cultural sensitivity connects people to places, nature, and other people.



# BUILDING REQUIREMENTS

## **Benefits**

Sustainable design can lead to a variety of benefits, many of which are economic. These benefits can include reduced capital costs of some building components. There are also the obvious reduced operating and maintenance costs that come from a reduction in energy and water costs that come from an efficient design. The reduced operating costs range from 10-50% less than traditional building methods and designs.

There are also numerous studies that link healthy, day lit buildings to decreased absenteeism and increased productivity as much as 2 to 15 percent. Sustainable buildings also provide reduced liability risks by limiting occupant exposure to poor indoor air quality and other known chemical pollutants.

Finally, sustainable buildings can provide opportunities for positive relations through education programs showing positive solutions and examples of successful buildings.

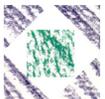
## **Sustainable Design Components**

### **Restorative Site Development Strategies:**

1. Reduce pollution and land development impacts from automobile use by providing and accommodating alternatives such as public transportation, pedestrian links to other campus buildings, and bicycle transportation.
2. Encourage opportunities for urban wildlife by developing and restoring landscaped areas with native and compatible adaptive plant species.
3. Maximize landscaped areas to minimize peak storm flows, increase on-site filtration of solids and phosphorous contaminants.
4. Reduce the negative effects of urban heat-islands by providing shade on paved areas with canopy trees and light colored paving materials.
5. Use high-reflectance (Energy Star) roof and paving materials to reduce heat-island effects.
6. Provide safe & uniform exterior lighting with no off site light trespass.

### **Enhanced Water Efficiency:**

1. Limit the use of potable water for landscape irrigation by designing high-efficiency irrigation systems and grouping plants with like water requirements to reduce irrigation requirements.
2. Include plumbing fixtures with proven history of reduced water use.



# BUILDING REQUIREMENTS



## **Energy Saving Design Opportunities:**

1. Verify and ensure that fundamental building elements and systems are designed, installed and calibrated to operate as intended by engaging an independent commissioning authority.
2. Reduce design energy costs compared to code-required levels by a minimum of 20%.
3. Building envelope design to reduce energy use (solar orientation, shading devices at eaves and glazing, high R-value roof and wall assemblies).
4. Design fenestration to provide daylight in occupied spaces to reduce need for artificial illumination.
5. Design electrical switch gear to accommodate future renewable energy devices such as photo-voltaic panels.
6. Building design to include opportunities for future renewable energy devices such as photo-voltaic panels.
7. Reduce ozone depletion and support early compliance with the Montreal Protocol by designing refrigeration systems that do not contain CFC's, HCFC's or Halon.
8. Provide for the ongoing optimization of building energy and water consumption performance over time by including measurement and verification technology.

## **Materials to Facilitate Healthy Environments:**

1. Provide multiple recycling areas to accommodate the collection, separation and removal of recyclables to reduce waste that is disposed of in landfills.
2. Divert construction debris from landfill disposal by developing and implementing a waste management plan for construction activities.
3. Prioritize the potential use of building materials with recycled content (tiles, masonry units, steel, carpeting, etc.)

4. Reduce effects of transportation and support local economy by specifying materials manufactured and assembled locally.
5. Encourage environmentally responsible forest management by using wood-based materials certified in accordance with the Forest Stewardship Council Guidelines.

## **Indoor Environmental Quality:**

1. Provide for a thermally comfortable environment that supports the productive and healthy performance of the building occupants.
2. Reduce air contaminants coming from building materials by creating a construction indoor air quality plan.
3. Include capacity for indoor air quality monitoring (CO<sub>2</sub>) for occupant health and comfort.
4. Provide increased quantities of fresh air to support health, safety and comfort of building occupants.
5. Specify low V. O. C. emitting paints, adhesives, sealants, and other products to enhance the health benefits to occupants.
6. Minimize cross-contamination of pollutants in occupied spaces by separating potentially hazardous chemicals.
7. Provide a connection between indoor and outdoor environments through the introduction of sunlight and views into the occupied areas of the building.

## **Community Outreach:**

1. Utilize the opportunity to provide outreach and education for site and building green design features.

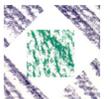




# BUILDING REQUIREMENTS

## *College Support*

The Mountainland Applied Technology College supports the goal of sustainable design which incorporates energy savings, while meeting Program and Facilities needs within scope and budget.

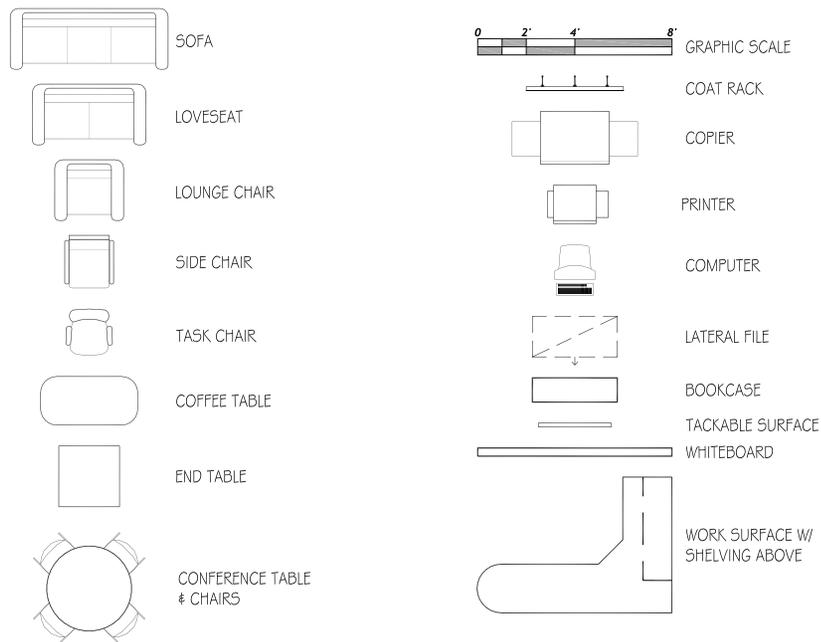


## INDIVIDUAL SPACE OUTLINE FORMAT

### Overview

The following sections contain the building program space summaries for all the required spaces in Mountainland Applied Technology College's new Classroom Building on the Thanksgiving Point Campus. It is organized into sub-sections that are broken down by major departmental areas and categories of space type. On the following pages, is comprehensive and detailed information regarding the size, character, contents and technical requirements for each space which comprise the department or category.

### Symbol Legend



### Terminology

The terminology used in this program is standard terminology used by Architects. Terms such as NSF and GSF are related to the square footage of spaces described in the program. NSF is the Net Square Footage or the area a function will occupy. GSF is the Gross Square Footage which includes corridor systems, wall widths and miscellaneous support spaces such as mechanical rooms, restrooms, etc. Typically in education facilities the GSF can be derived from the NSF by using a multiplying factor. This factor is based on historical trends in education facilities and standards used by the State of Utah. The factor used in this program is 1.48 or 67.7% of the GSF is the NSF for new construction. This is an average factor of utilization; however, the Architect should take extra care to achieve the most efficient use of space.

The term **FULL SOUND CONSTRUCTION** refers to a particular construction assembly. This assembly is defined as: Metal studs extending from the floor to the structure above, with sound batts between studs, resilient channel on one side of the studs, and one layer of 5/8" gypsum board on both sides. All penetrations are to be sealed. All return air grilles are to have sound boots. As well as, all penetrations through sound walls. Lay-in ceiling panels in rooms required to have full sound construction should be a foil faced cast tile. All doors in sound walls should be gasketed (i.e., **SOUND ISOLATION**).

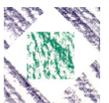
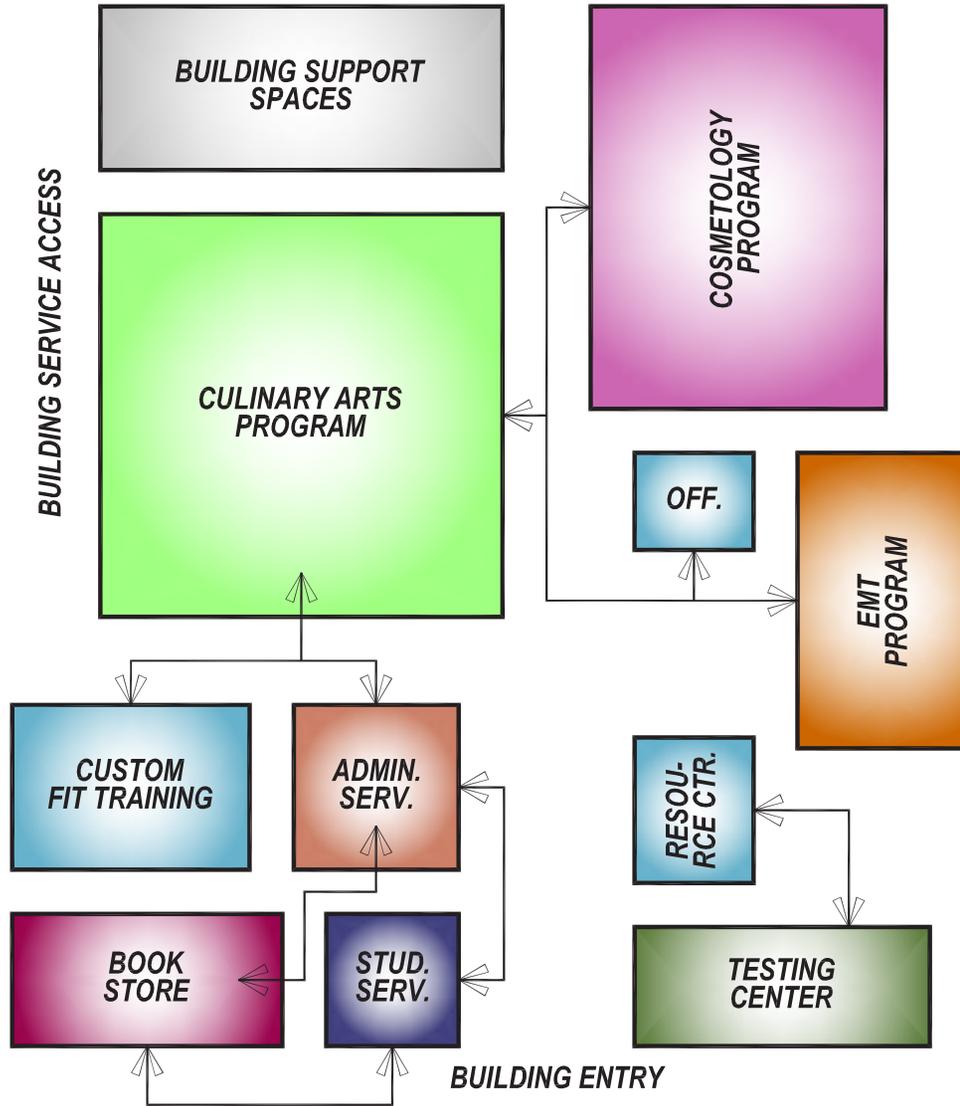
All furnishings shown in the offices and suites is to be systems type furniture. Lineal foot dimensions for work surfaces have been taken along the user side.

A dimensioning grid is in the background of each space drawing. The increments between the dots represent 1'-0".



# INDIVIDUAL SPACE REQUIREMENTS

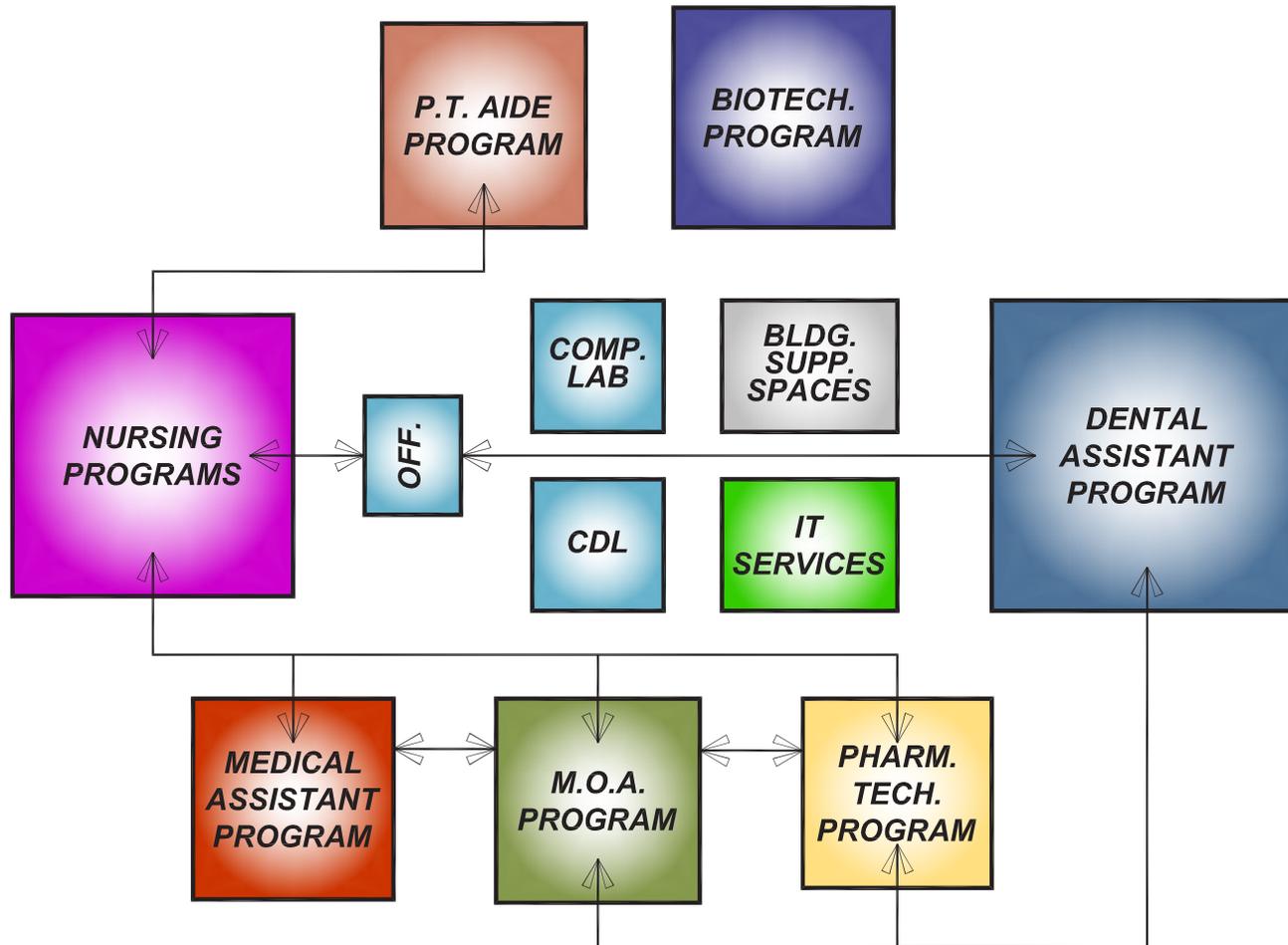
**FIRST FLOOR RELATIONSHIP DIAGRAM**



# INDIVIDUAL SPACE REQUIREMENTS



## SECOND FLOOR RELATIONSHIP DIAGRAM

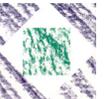




# INDIVIDUAL SPACE REQUIREMENTS

**NORTHERN UTAH CAMPUS NEW BUILDING PROGRAM**  
Mountainland Applied Technology College

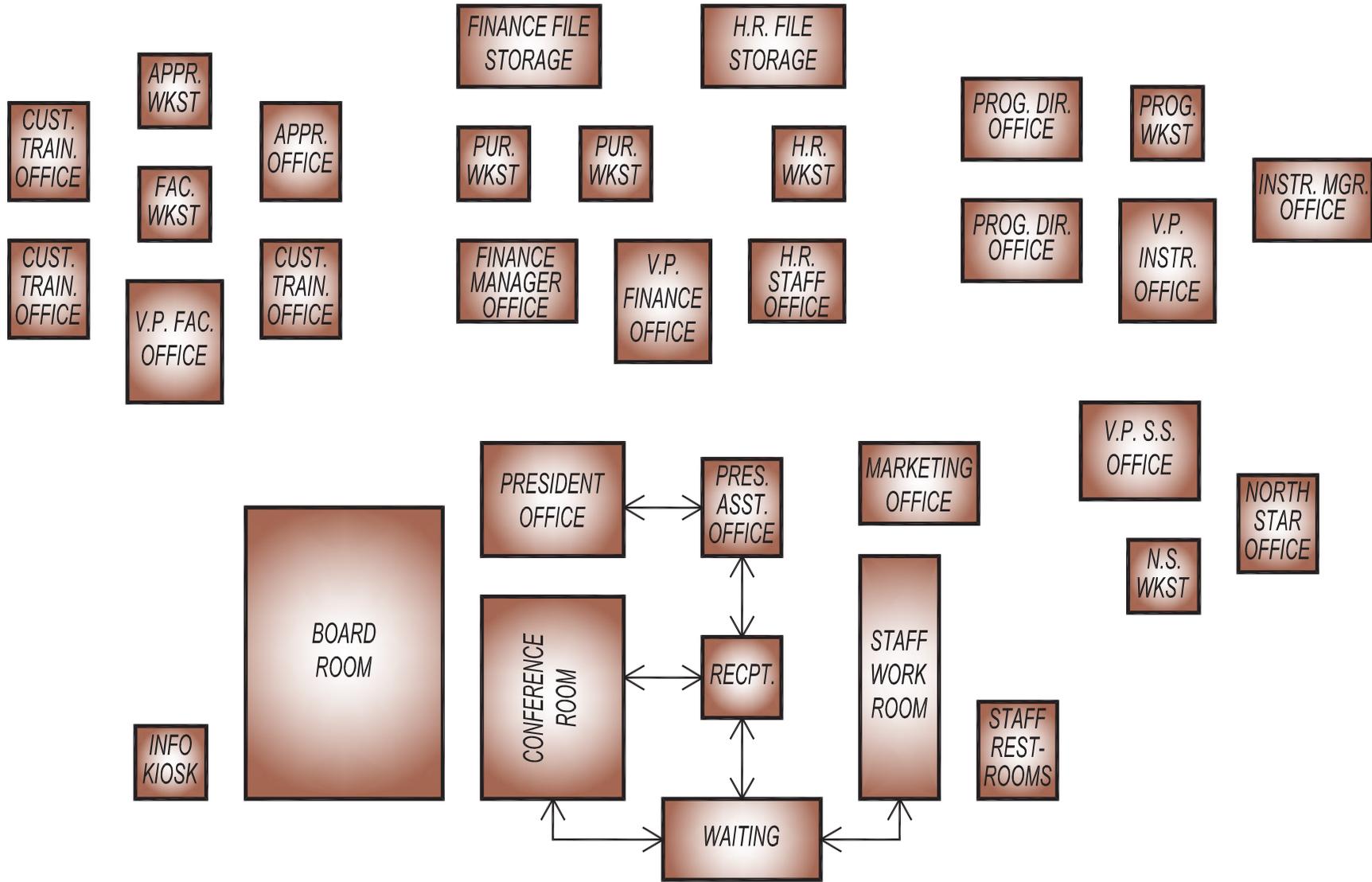
**HFS**Architects



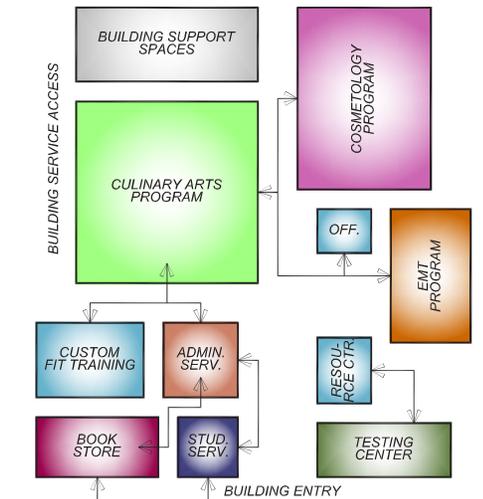
# INDIVIDUAL SPACE REQUIREMENTS



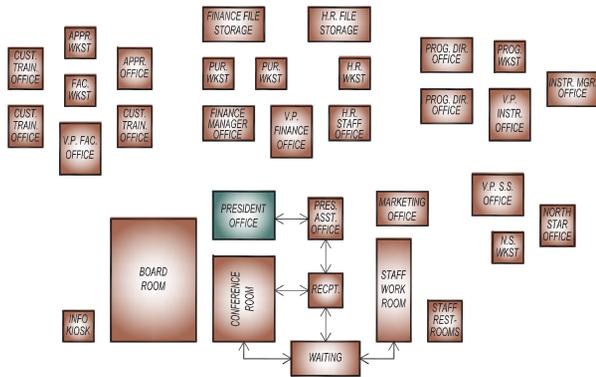
## ADMINISTRATIVE SERVICES RELATIONSHIP DIAGRAM



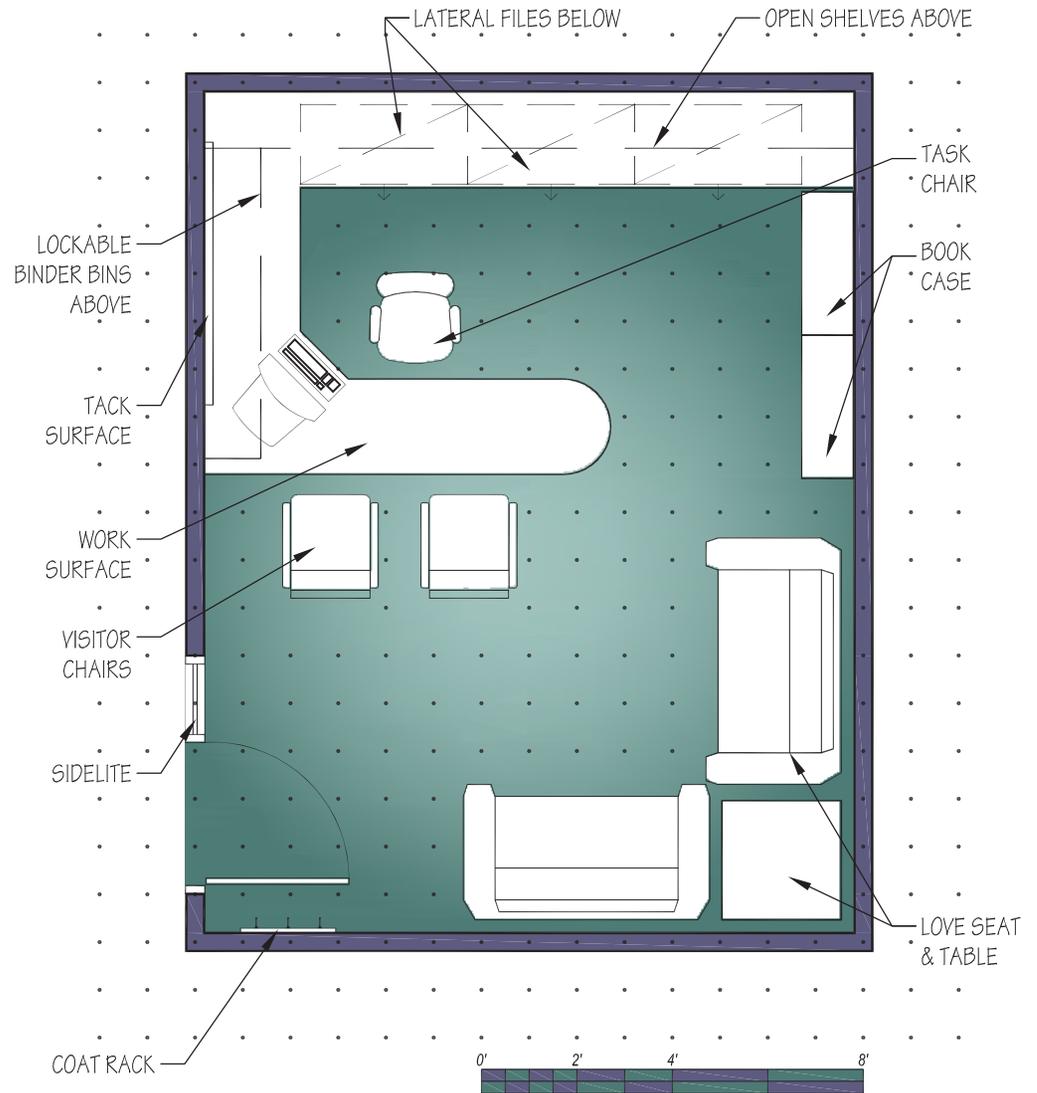
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Admin Services Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 250 sf
- Subtotal Required Area: 250 sf
- Subtotal Additional Area: 0 sf
- Total Area: 250 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: Main Building Entry, Assistant's Office, Conference Room
- Proximity: Vice President's Office, Board Room
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

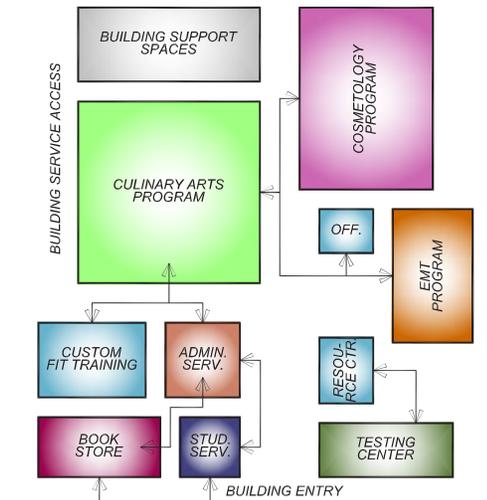
- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

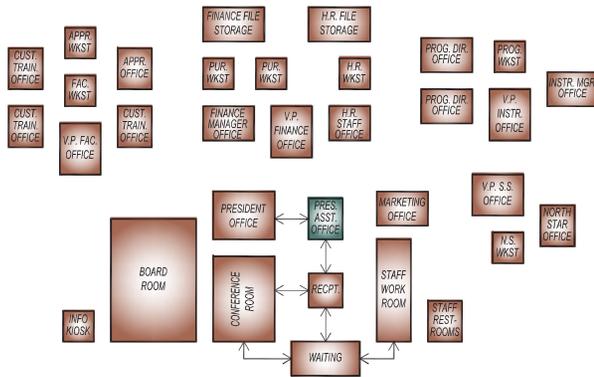
- Desktop computer, monitor & combo laser printer / copier / scanner.



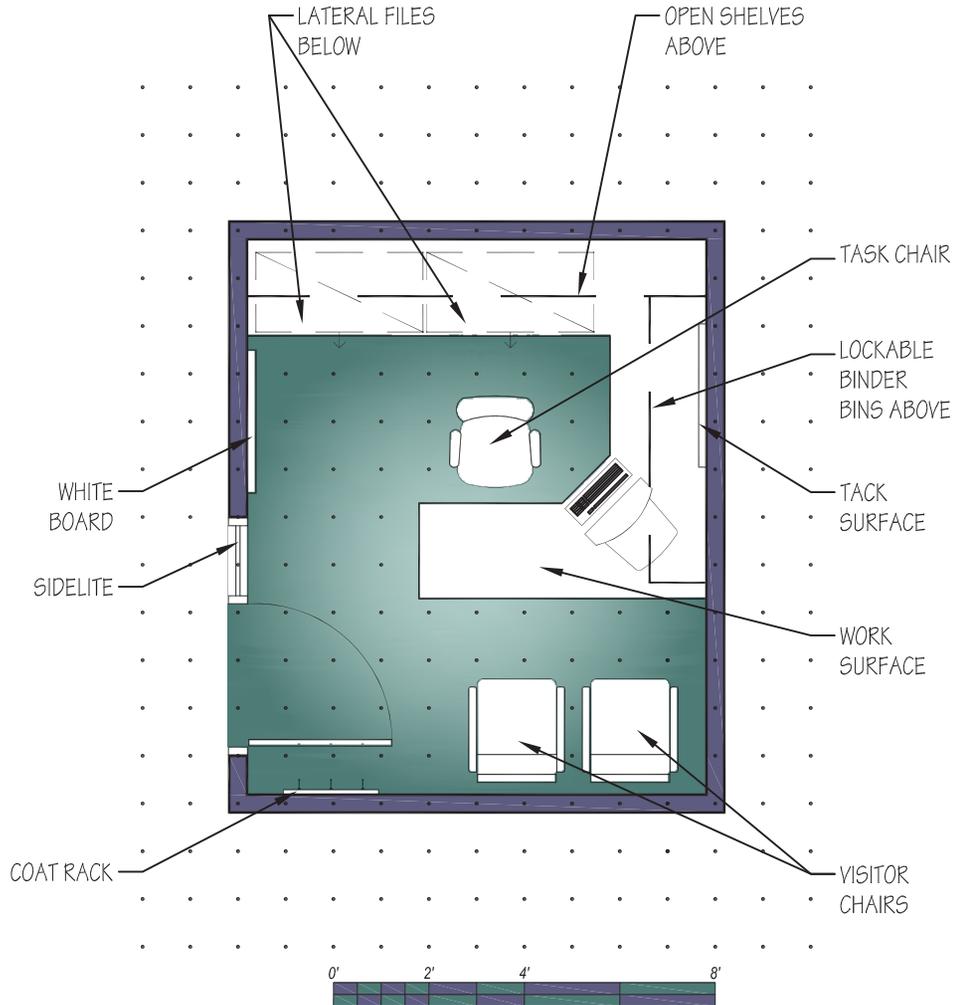
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Admin Services Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 120 sf
- Subtotal Additional Area: 0 sf
- Total Area: 120 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: President's Office
- Proximity: Conference & Board Room, Vice President's Offices
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

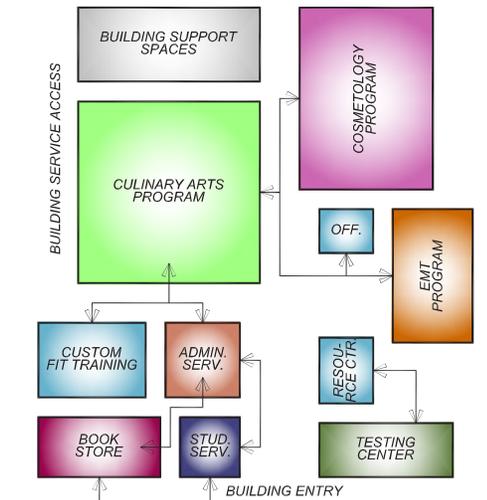
- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

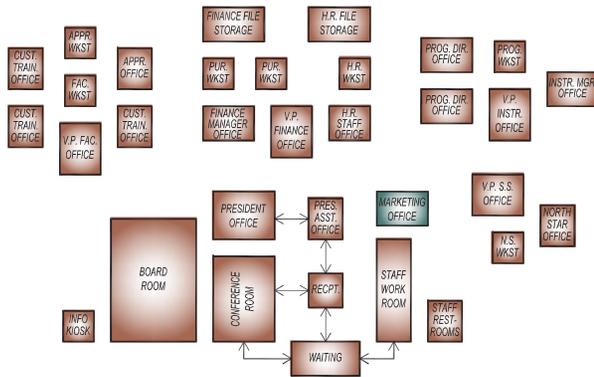
- Desktop computer, monitor & combo laser printer / copier / scanner.



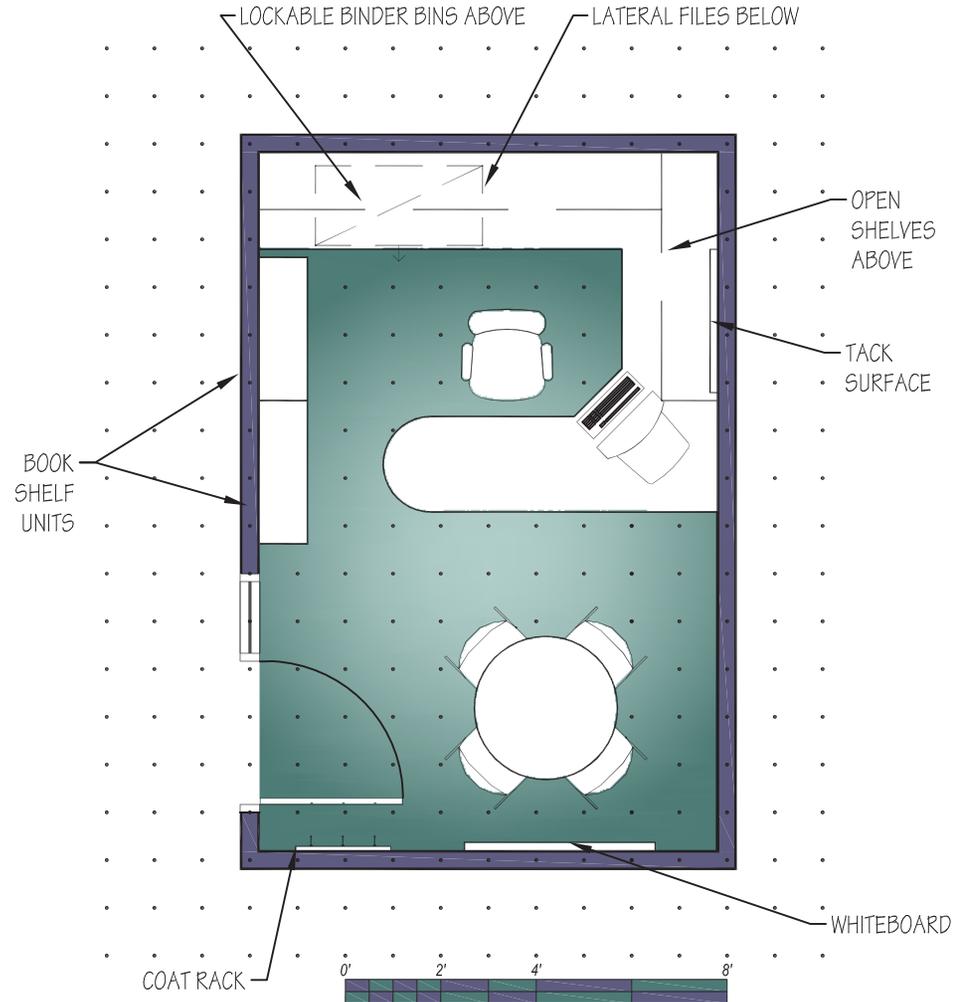
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Admin Services Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 150 sf
- Subtotal Required Area: 150 sf
- Subtotal Additional Area: 0 sf
- Total Area: 150 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: President's Office
- Proximity: Conference Room
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

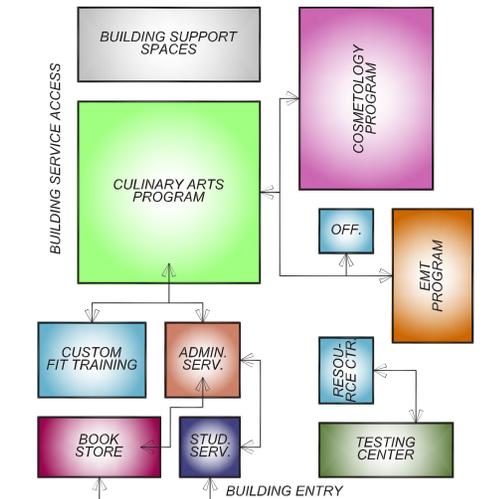
- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

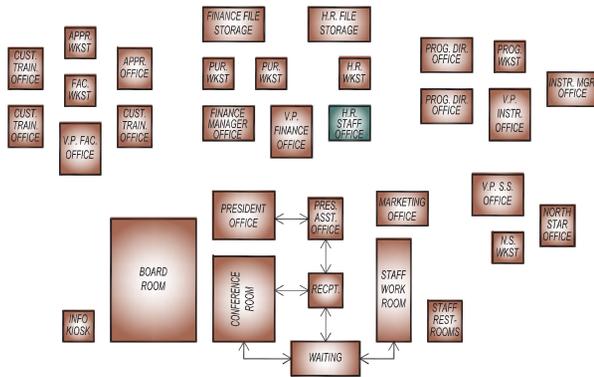
- Desktop computer, monitor & combo laser printer / copier / scanner.



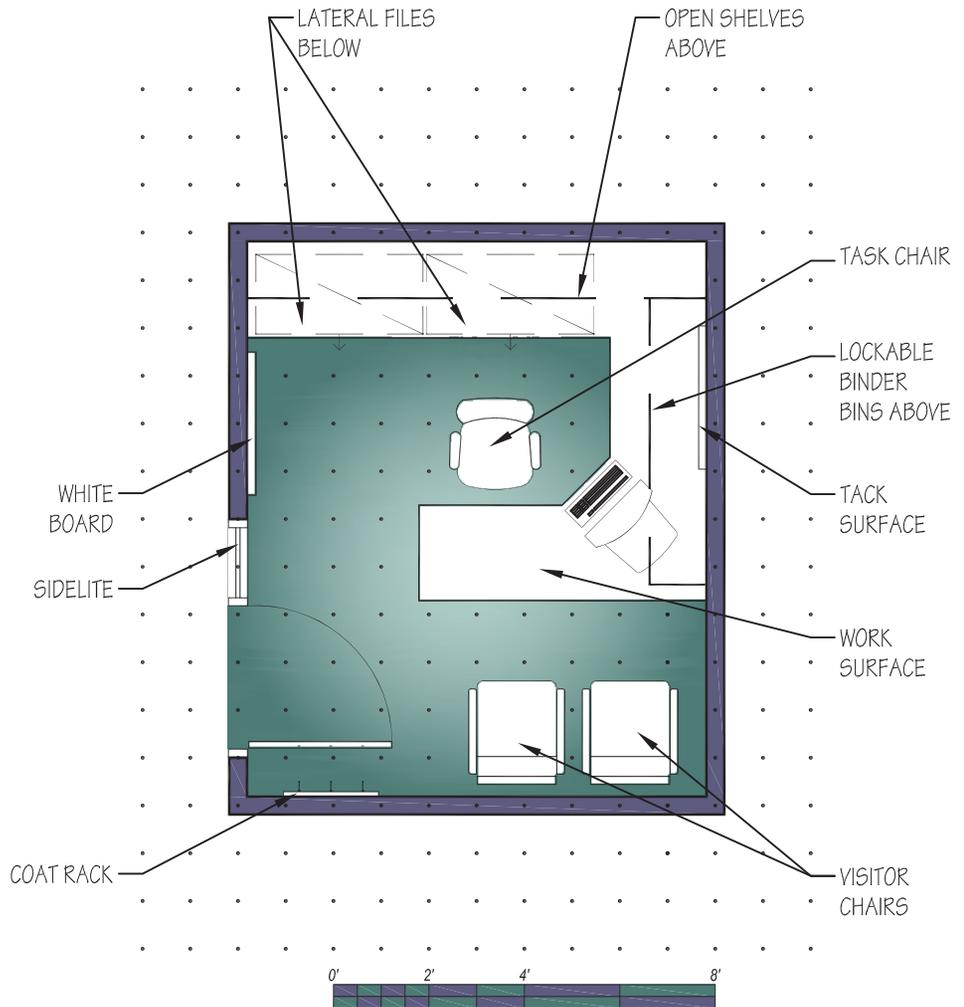
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Admin Services Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 120 sf
- Subtotal Additional Area: 0 sf
- Total Area: 120 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: Bookstore, Student Services
- Proximity: The building entry and Culinary Arts
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

- Desktop computer, monitor & combo laser printer / copier / scanner.





# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Open Workstation
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	80 sf
• Subtotal Required Area:	80 sf
• Subtotal Additional Area:	0 sf
• Total Area:	80 sf

### Occupant Summary

• Assigned Occupants:	1
• Visitors:	0

### Function / Tasks

- General office work.

### Relationships

• Location:	First Floor
• Adjacency:	Human Resource Staff Office Staff Work / Copy Room
• Proximity:	Conference Room
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Static-free carpet w/ 4" rubber base
• Walls:	Not applicable
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	Not required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

- Not applicable

### Windows

- Not applicable

### Casework / Fixed Equipment

- None required

### Furnishings

• Work Surface:	(2) 24"x72"
• Work Surface, angled corner:	(1) 24"x42"
• Shelf Unit, 6-shelves high:	(1) 14"x48"
• Fabric-covered Panels:	(1 wkstn.) 42"H
• Keyboard Shelf:	(1) pull-out
• Tack Surface:	(2) 24"x36"
• 2-Drawer Lateral File:	(2) 18"x42"
• Task Chair w/ arms, adjustable:	(1) 27"x28"
• Coat Hook:	(2) each
• Waste Can:	(1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	20 CFM/person (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	72°F
• Winter Design Temp.:	72°F

• Controls:	Individual direct digital controls
• Sound Criteria:	≤35 (NC/RC)
• Special Systems:	None required
• Plumbing:	None required

### Electrical

• Power:	One (1) duplex receptacle each wall 120V distributed to systems furniture
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• Data:	Two (2) devices on opposing walls Distributed to systems furniture
• Phone:	Two (2) devices on opposing walls Distributed to systems furniture

• Video:	Rough-in for future capacity
• Intercom:	Ceiling speaker

### Lighting

• Fixture Type:	T-8 Fluorescent lay-in indirect
• Task Light:	Required at work surfaces

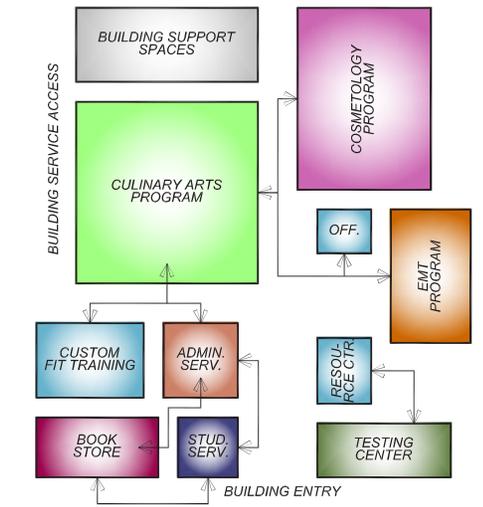
• Foot Candles:	40
• Controls:	Occupancy sensor

### Equipment (NIC)

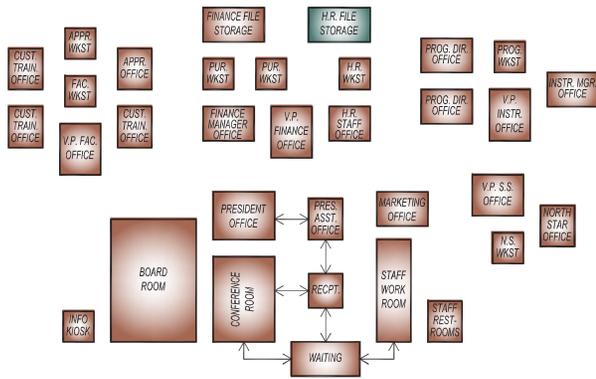
- Desktop computer, monitor & combo laser printer / copier / scanner.



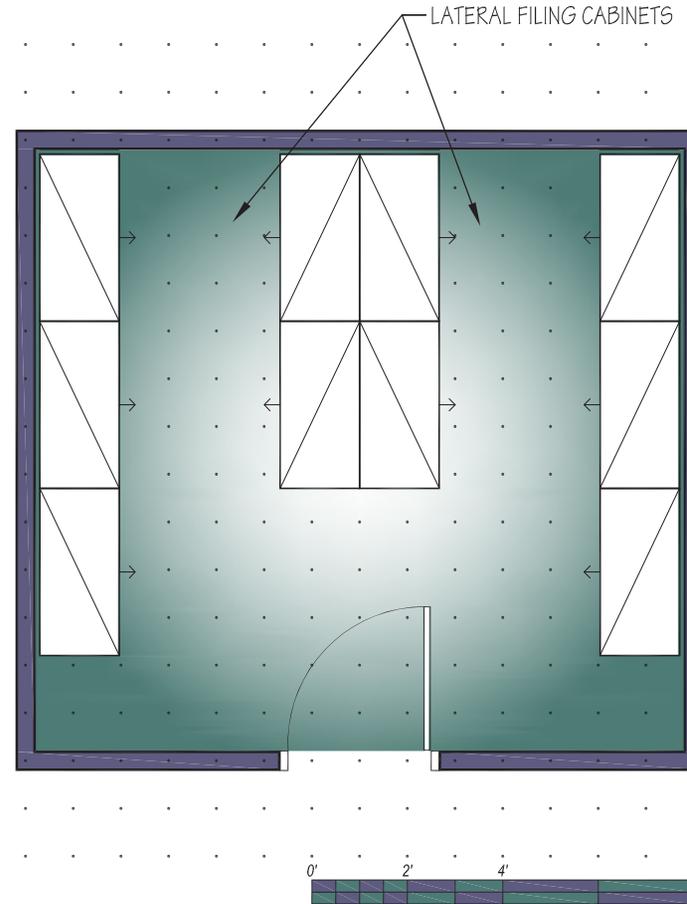
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Admin Services Relationship Diagram*



## HR SECURE FILE STORAGE Administrative Services

# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Enclosed Storage Room
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 180 sf
- Subtotal Required Area: 180 sf
- Subtotal Additional Area: 0 sf
- Total Area: 180 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Staff

### Function / Tasks

- Provide a secure space for file storage.

### Relationships

- Location: First Floor
- Adjacency: Human Resource Staff Office & HR Staff Open Workstation
- Proximity: None required
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: VCT w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- None required

### Furnishings

- Lateral filing cabinets (10)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air:
- Air Circulation:
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: O45 (NC/RC)

- Special Systems:
- Plumbing:

### Electrical

- Power: Two (2) duplex receptacles per wall

- Data: Two (2) devices on opposing walls

- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Task Light: Required at work surfaces

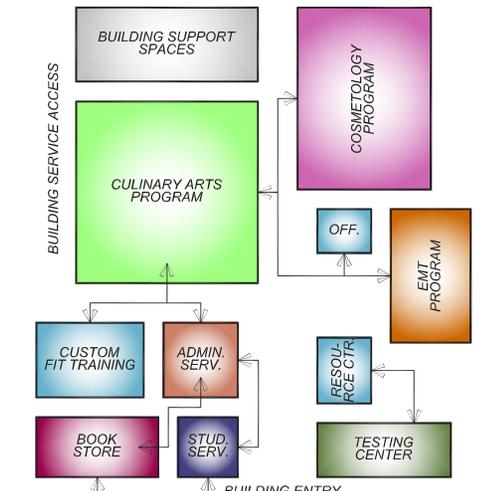
- Foot Candles: 50
- Controls: Occupancy sensor

### Equipment (NIC)

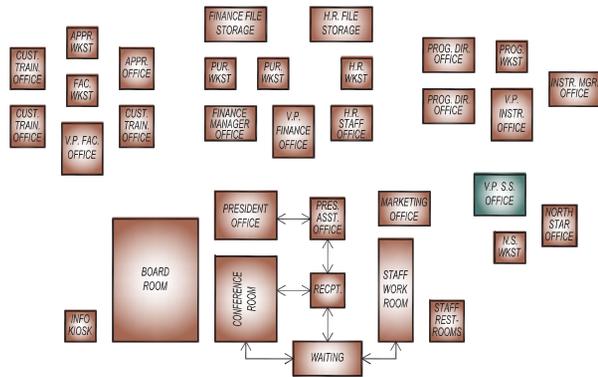
- None required.



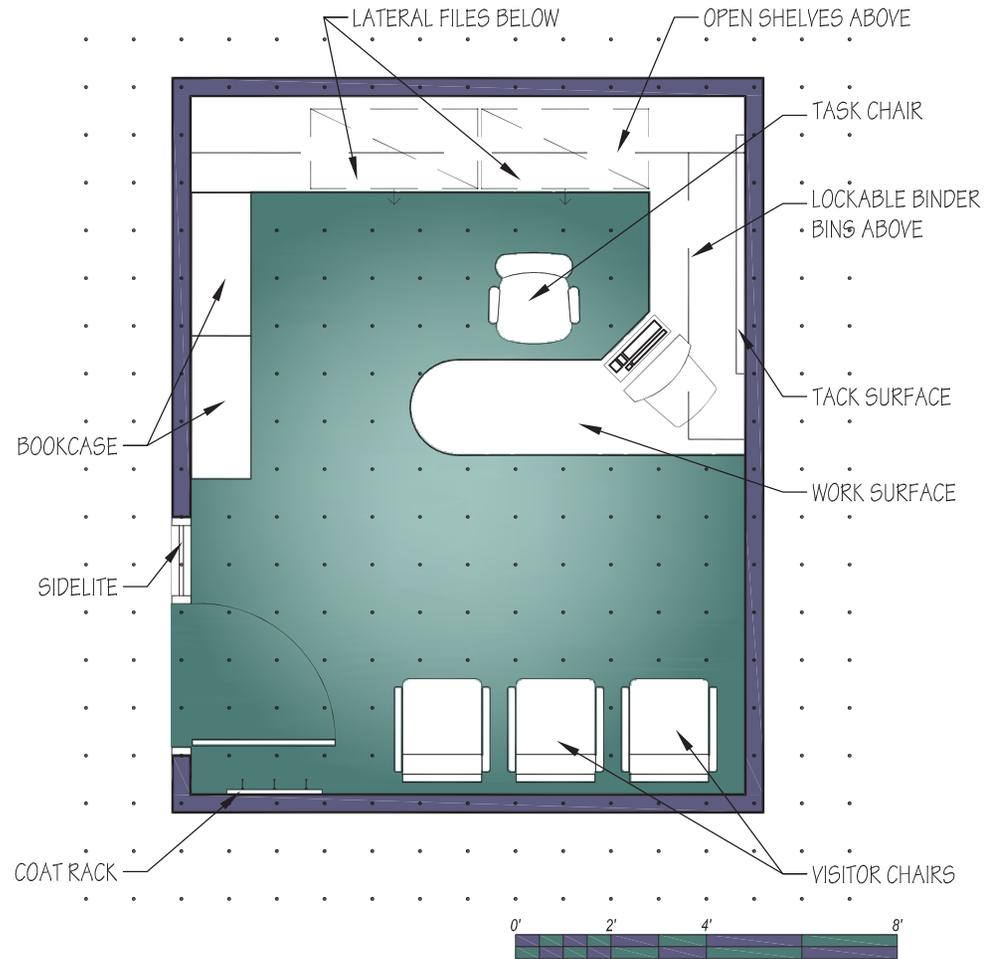
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Admin Services Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 180 sf
- Subtotal Required Area: 180 sf
- Subtotal Additional Area: 0 sf
- Total Area: 180 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: Bookstore and Student Services
- Proximity: The building entry and Culinary Arts
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

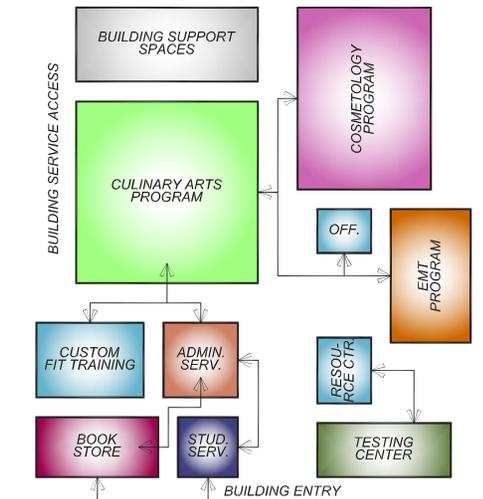
- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

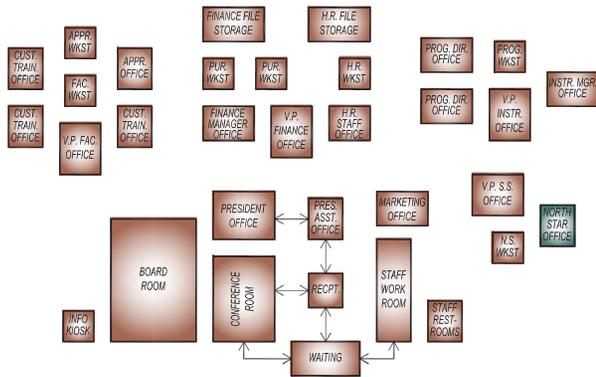
- Desktop computer, monitor & combo laser printer / copier / scanner.



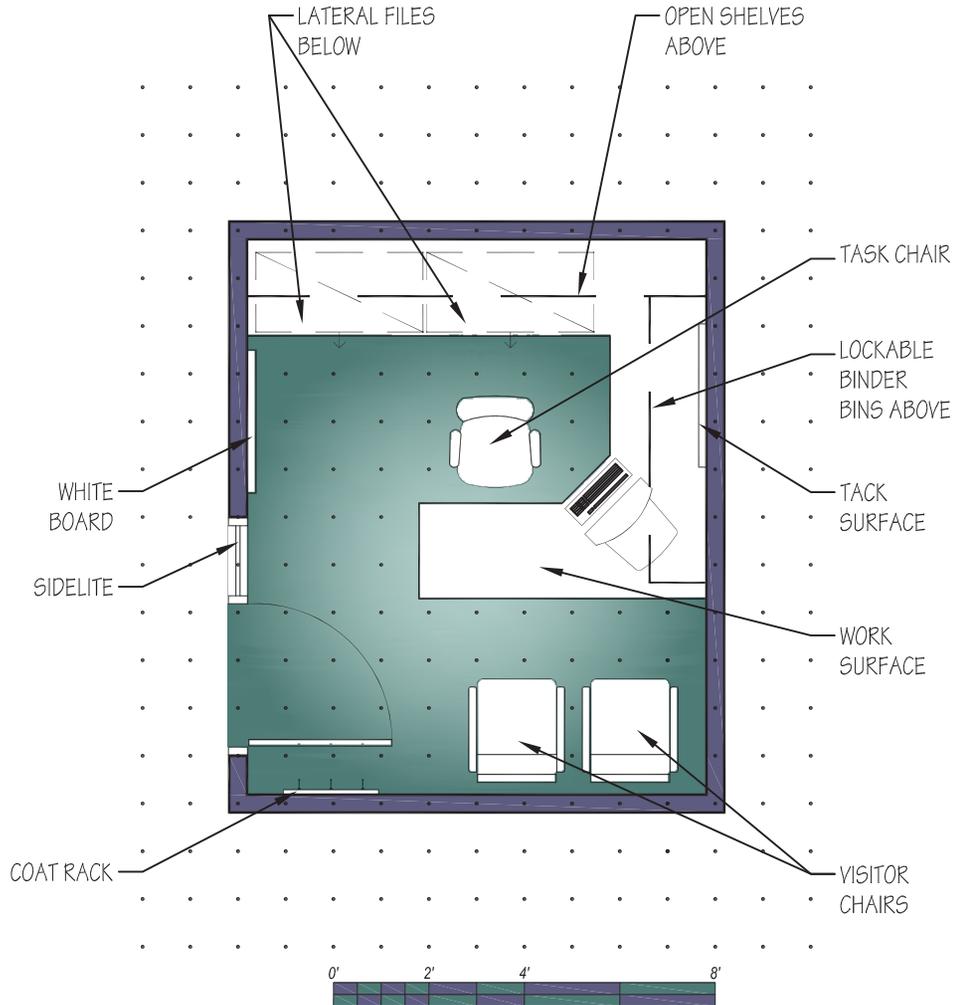
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Admin Services Relationship Diagram



## NORTHSTAR STAFF OFFICE Administrative Services

# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 120 sf
- Subtotal Additional Area: 0 sf
- Total Area: 120 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: Bookstore and Student Services
- Proximity: The building entry and Culinary Arts
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

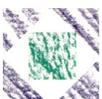
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

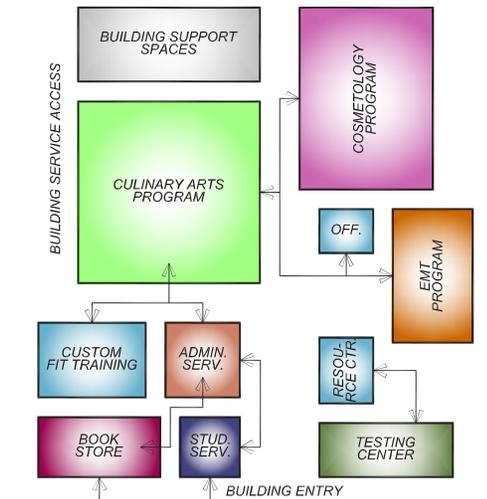
- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

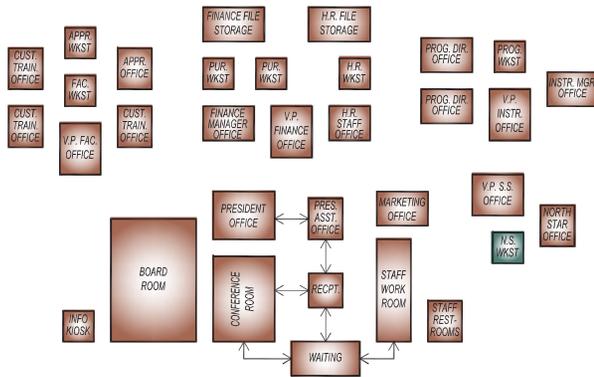
- Desktop computer, monitor & combo laser printer / copier / scanner.



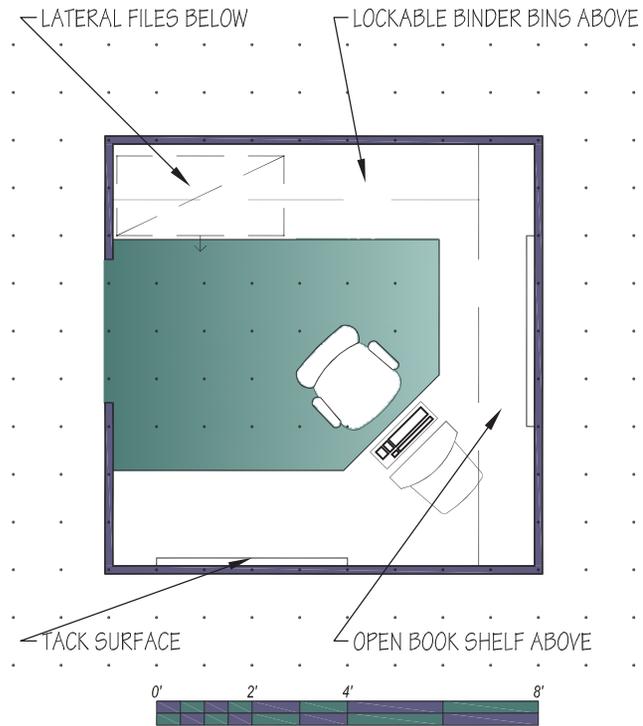
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Admin Services Relationship Diagram



## NORTHSTAR STAFF OPEN WORKSTATION Administrative Services

# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open Workstation
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 80 sf
- Subtotal Required Area: 80 sf
- Subtotal Additional Area: 0 sf
- Total Area: 80 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 0

### Function / Tasks

- General office work.

### Relationships

- Location: First Floor
- Adjacency: Northstar Staff Office  
Staff Work / Copy Room
- Proximity: Conference Room
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Not applicable
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Not required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Not applicable

### Windows

- Not applicable

### Casework / Fixed Equipment

- None required

### Furnishings

- Work Surface: (2) 24"x72"
- Work Surface, angled corner: (1) 24"x42"
- Shelf Unit, 6-shelves high: (1) 14"x48"
- Fabric-covered Panels: (1 wkstn.) 42"H
- Keyboard Shelf: (1) pull-out
- Tack Surface: (2) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Coat Hook: (2) each
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall  
120V distributed to systems furniture

- Data: Two (2) devices on opposing walls  
Distributed to systems furniture
- Phone: Two (2) devices on opposing walls  
Distributed to systems furniture

- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces

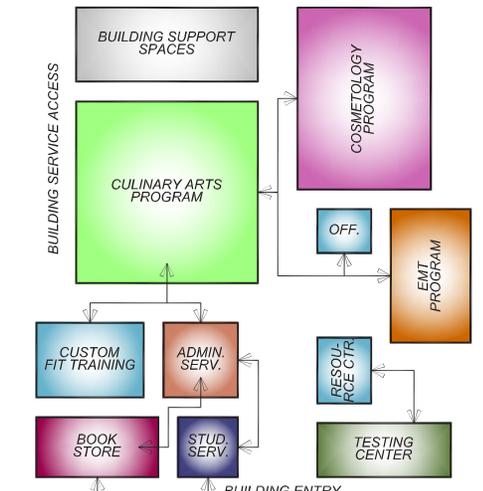
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

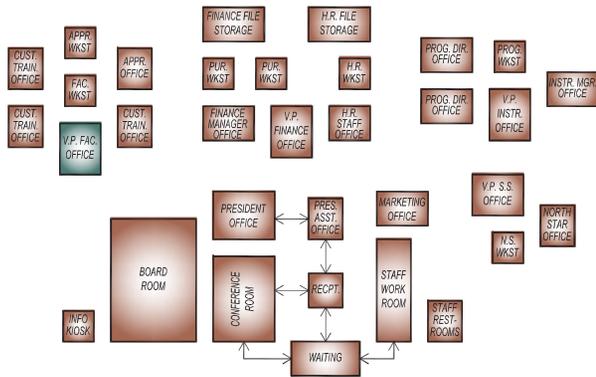
- Desktop computer, monitor & combo laser  
printer / copier / scanner.



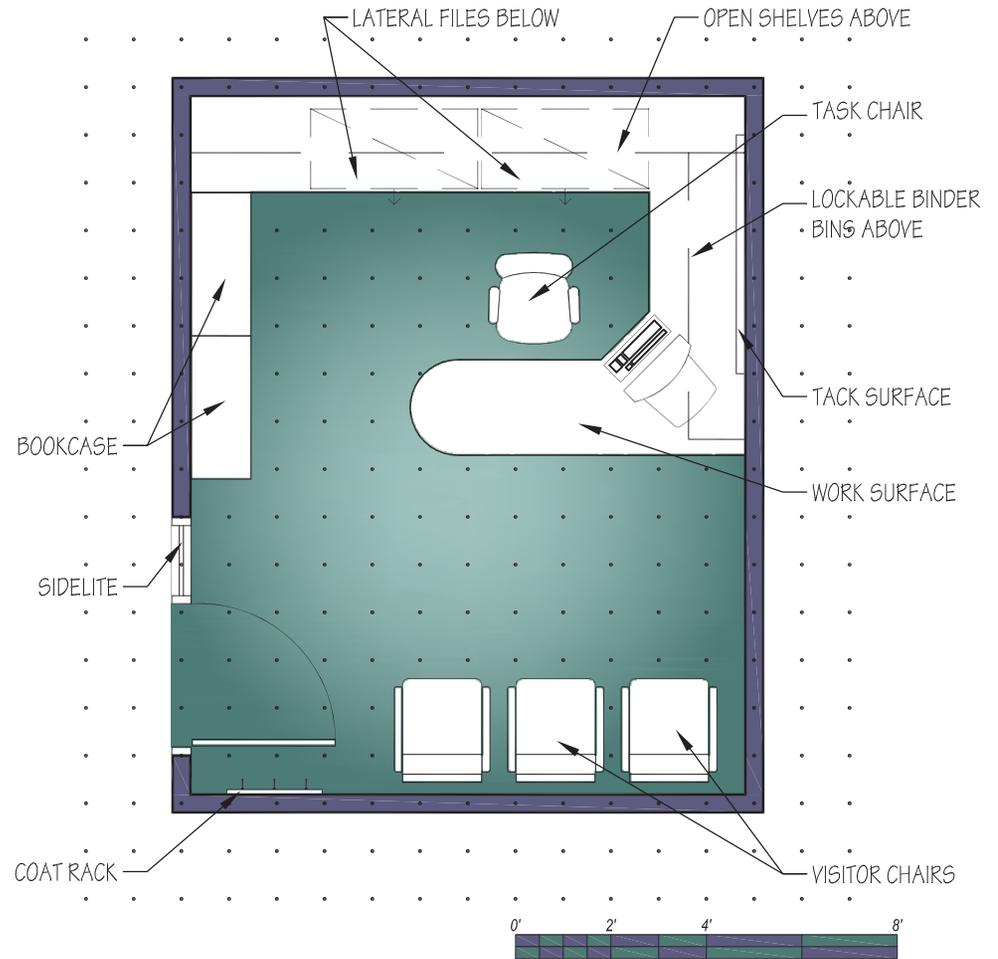
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Admin Services Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Private Office
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	180 sf
• Subtotal Required Area:	180 sf
• Subtotal Additional Area:	0 sf
• Total Area:	180 sf

### Occupant Summary

• Assigned Occupants:	1
• Visitors:	1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

• Location:	First Floor
• Adjacency:	Bookstore and Student Services
• Proximity:	The building entry and Culinary Arts
• Separation:	Mechanical & elevator rooms Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Static-free carpet w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	Full sound construction

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

• Type:	Solid core wood w/ clear finish
• Frame:	Painted hollow metal w/ glazed sidelite
• Special:	Sound isolation

### Windows

• Natural Light:	Required
• Type:	Aluminum frame
• Glazing:	Insulated w/ low-e coating

### Casework / Fixed Equipment

• Whiteboard w/ frame & tray:	(1) 48"x48"
• Coat rack, oak plate w/ 3 dbl. prong hooks:	(1)

### Furnishings

• Work Surface:	(1) 24"x96" & (1) 24"x48"
• Work Surface, angled corner:	(1) 24"x36"
• Work / Table Surface:	(1) 24"x48"
• Shelf Unit, 2-shelves high:	(1) 14"x36"
• Binder Bin w/ lockable door:	(2) 15"x48"
• Book Shelf Unit, 6-shelves high:	(2) 14"x42"
• Keyboard Shelf:	(1) pull-out
• Tack Surface:	(1) 24"x36"
• 2-Drawer Lateral File:	(1) 18"x42"
• Task Chair w/ arms, adjustable:	(1) 27"x28"
• Upholstered Side Chairs:	(2) 20"x20"
• Waste Can:	(1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	20 CFM/person (min.)
• Air Circulation:	20 CFM/person (min.)

• Summer Design Temp.:	72°F
• Winter Design Temp.:	72°F

• Controls:	Individual direct digital controls
• Sound Criteria:	≤35 (NC/RC)

• Special Systems:	None required
• Plumbing:	None required

### Electrical

• Power:	One (1) duplex receptacle each wall
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• Data:	Two (2) devices on opposing walls
• Phone:	Two (2) devices on opposing walls

• Video:	Rough-in for future capacity
• Intercom:	Speaker w/ volume control

### Lighting

• Fixture Type:	T-8 Fluorescent lay-in indirect
• Task Light:	Required at work surfaces

• Foot Candles:	40
• Controls:	Occupancy sensor

### Equipment (NIC)

- Desktop computer, monitor & combo laser printer / copier / scanner.





# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open Workstation
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 80 sf
- Subtotal Required Area: 80 sf
- Subtotal Additional Area: 0 sf
- Total Area: 80 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 0

### Function / Tasks

- General office work.

### Relationships

- Location: First Floor
- Adjacency: VP Facilities Office  
Staff Work / Copy Room
- Proximity: Conference Room
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Not applicable
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Not required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Not applicable

### Windows

- Not applicable

### Casework / Fixed Equipment

- None required

### Furnishings

- Work Surface: (2) 24"x72"
- Work Surface, angled corner: (1) 24"x42"
- Shelf Unit, 6-shelves high: (1) 14"x48"
- Fabric-covered Panels: (1 wkstn.) 42"H
- Keyboard Shelf: (1) pull-out
- Tack Surface: (2) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Coat Hook: (2) each
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall  
120V distributed to systems furniture

- Data: Two (2) devices on opposing walls  
Distributed to systems furniture
- Phone: Two (2) devices on opposing walls  
Distributed to systems furniture

- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces

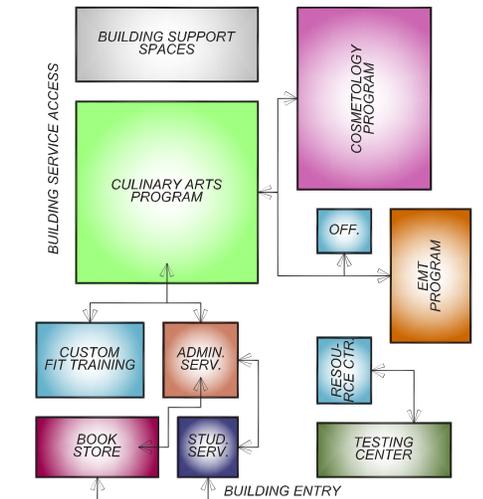
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

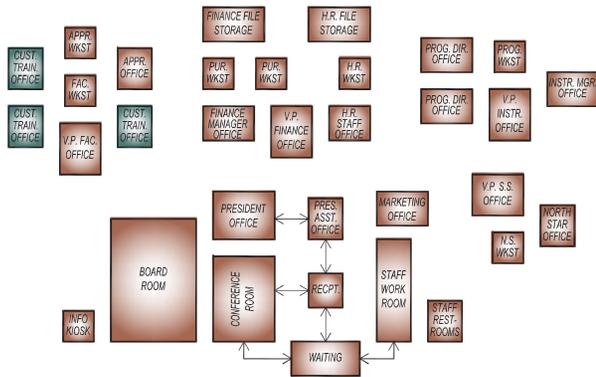
- Desktop computer, monitor & combo laser  
printer / copier / scanner.



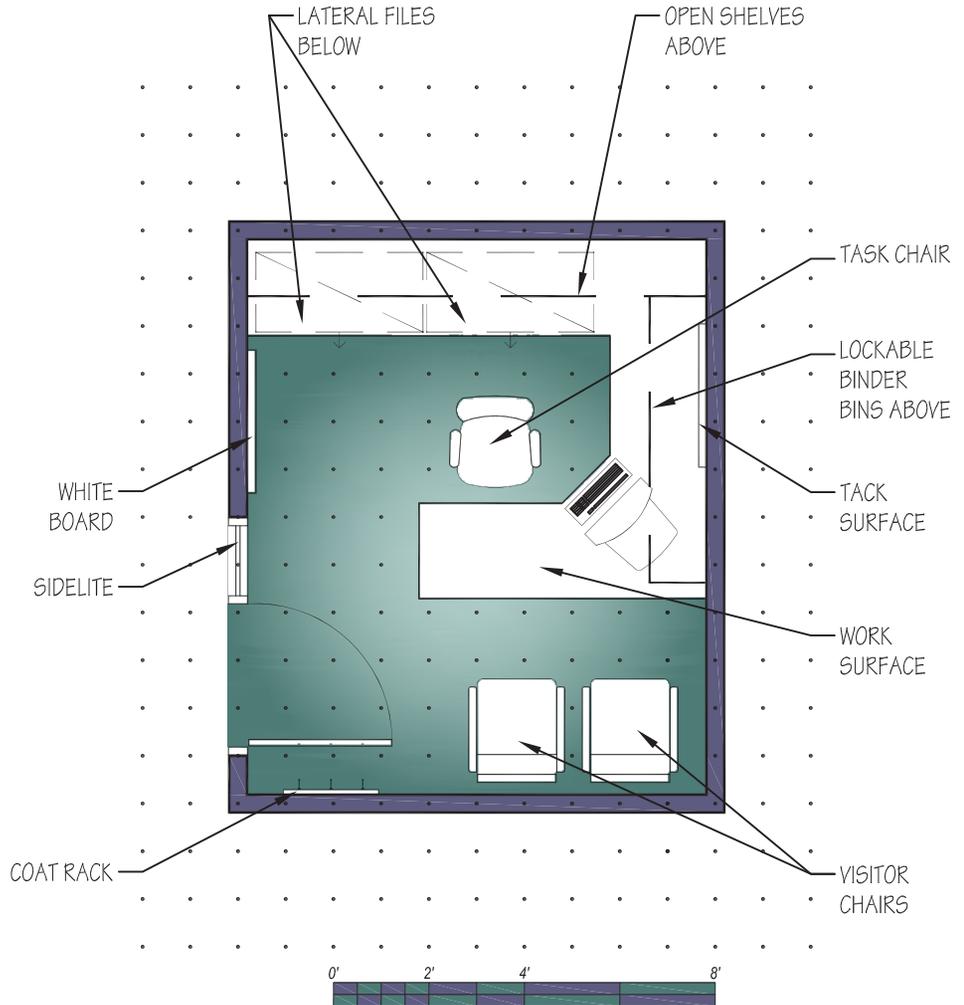
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Admin Services Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 3
- Number Additional: 0
- Total Number: 3

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 360 sf
- Subtotal Additional Area: 0 sf
- Total Area: 360 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: Bookstore and Student Services
- Proximity: The building entry and Culinary Arts
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)

- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall

- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls

- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces

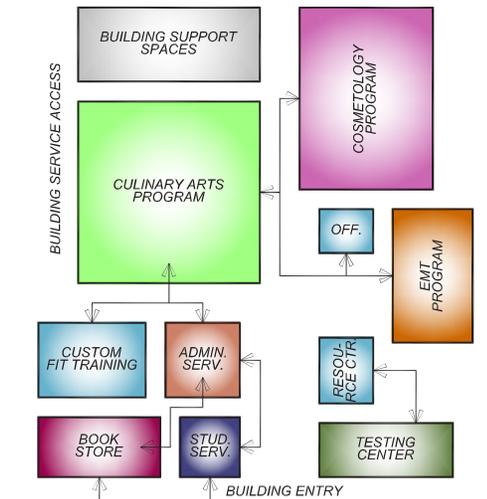
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

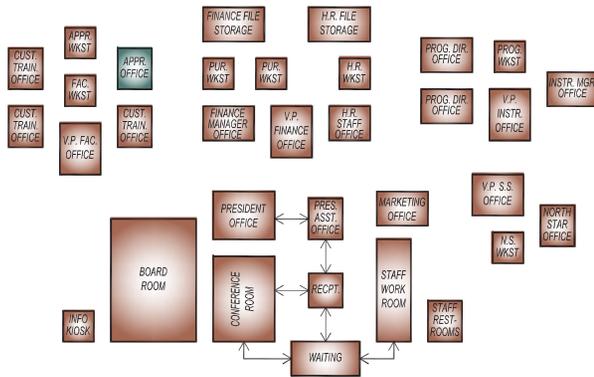
- Desktop computer, monitor & combo laser printer / copier / scanner.



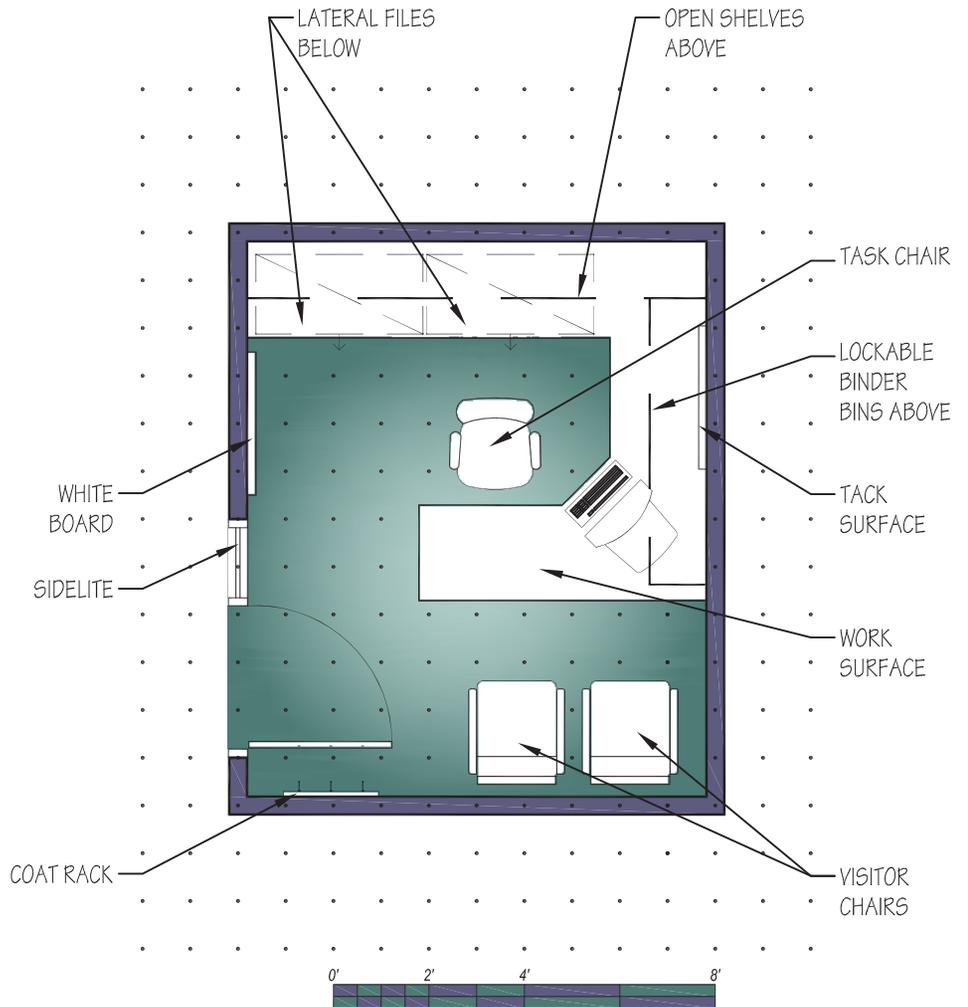
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Admin Services Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 120 sf
- Subtotal Additional Area: 0 sf
- Total Area: 120 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: Bookstore and Student Services
- Proximity: The building entry and Culinary Arts
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

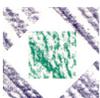
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

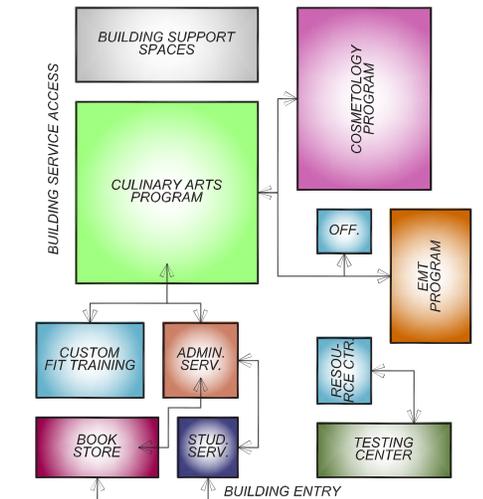
- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

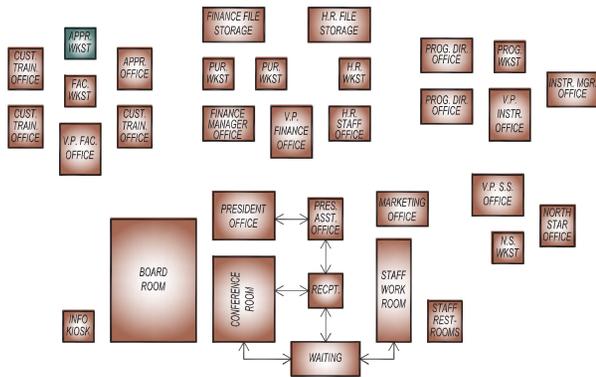
- Desktop computer, monitor & combo laser printer / copier / scanner.



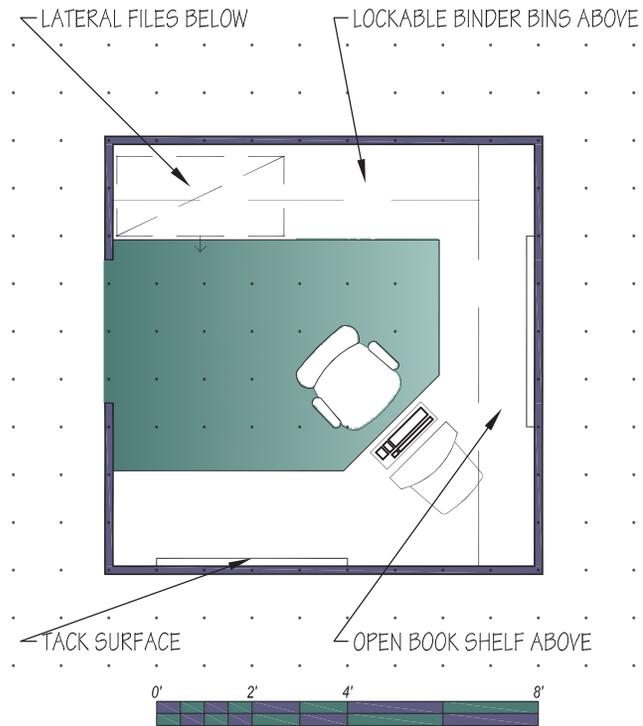
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Admin Services Relationship Diagram



## APPRENTICESHIP STAFF WORKSTATION Administrative Services

# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open Workstation
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 80 sf
- Subtotal Required Area: 80 sf
- Subtotal Additional Area: 0 sf
- Total Area: 80 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 0

### Function / Tasks

- General office work.

### Relationships

- Location: First Floor
- Adjacency: Apprenticeship Staff Office  
Staff Work / Copy Room
- Proximity: Conference Room
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Not applicable
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Not required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Not applicable

### Windows

- Not applicable

### Casework / Fixed Equipment

- None required

### Furnishings

- Work Surface: (2) 24"x72"
- Work Surface, angled corner: (1) 24"x42"
- Shelf Unit, 6-shelves high: (1) 14"x48"
- Fabric-covered Panels: (1 wkstn.) 42"H
- Keyboard Shelf: (1) pull-out
- Tack Surface: (2) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Coat Hook: (2) each
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall  
120V distributed to systems furniture

- Data: Two (2) devices on opposing walls  
Distributed to systems furniture
- Phone: Two (2) devices on opposing walls  
Distributed to systems furniture

- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces

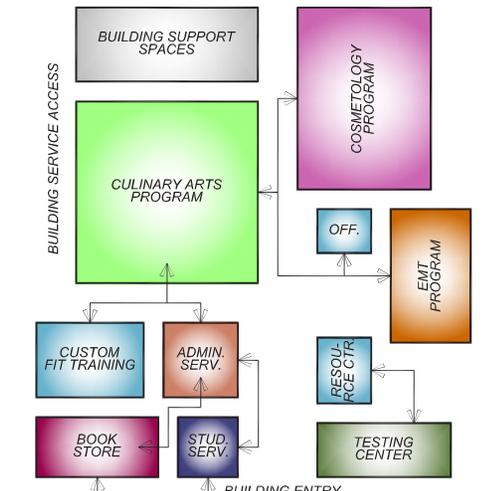
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

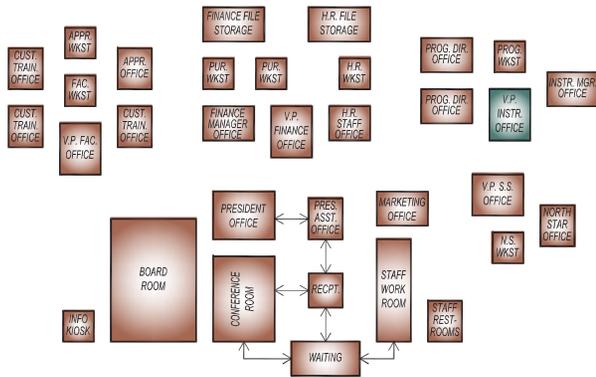
- Desktop computer, monitor & combo laser  
printer / copier / scanner.



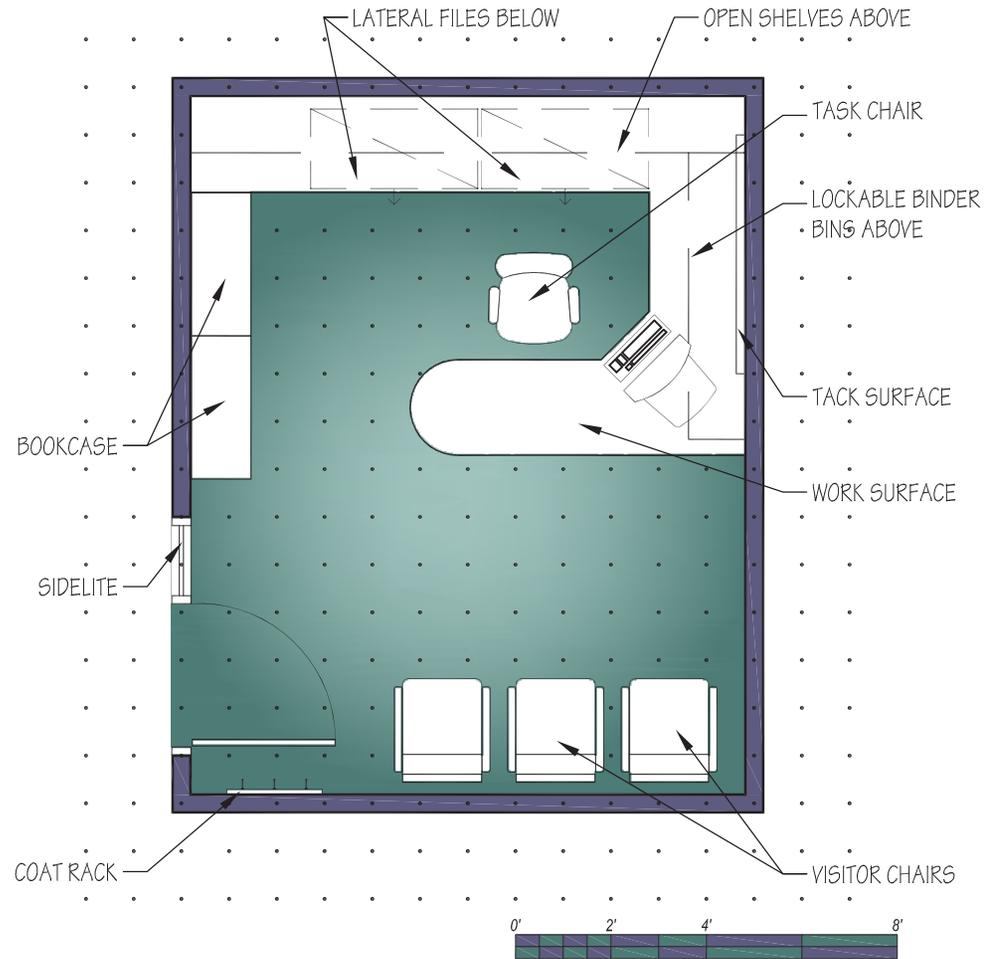
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Admin Services Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 180 sf
- Subtotal Required Area: 180 sf
- Subtotal Additional Area: 0 sf
- Total Area: 180 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: Bookstore and Student Services
- Proximity: The building entry and Culinary Arts
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

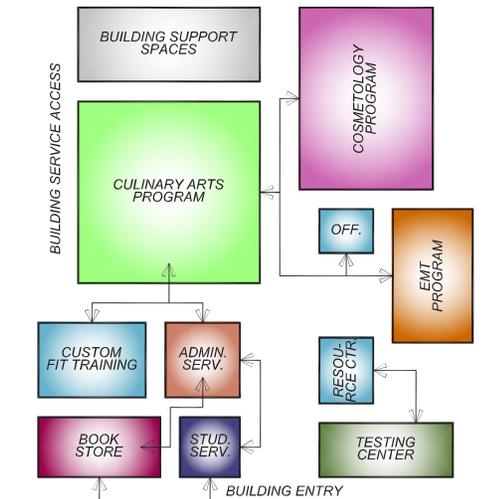
- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

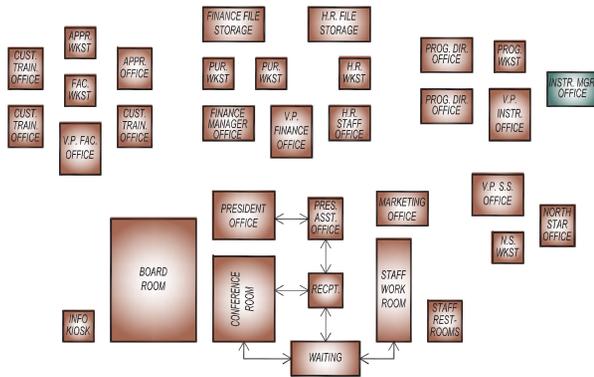
- Desktop computer, monitor & combo laser printer / copier / scanner.



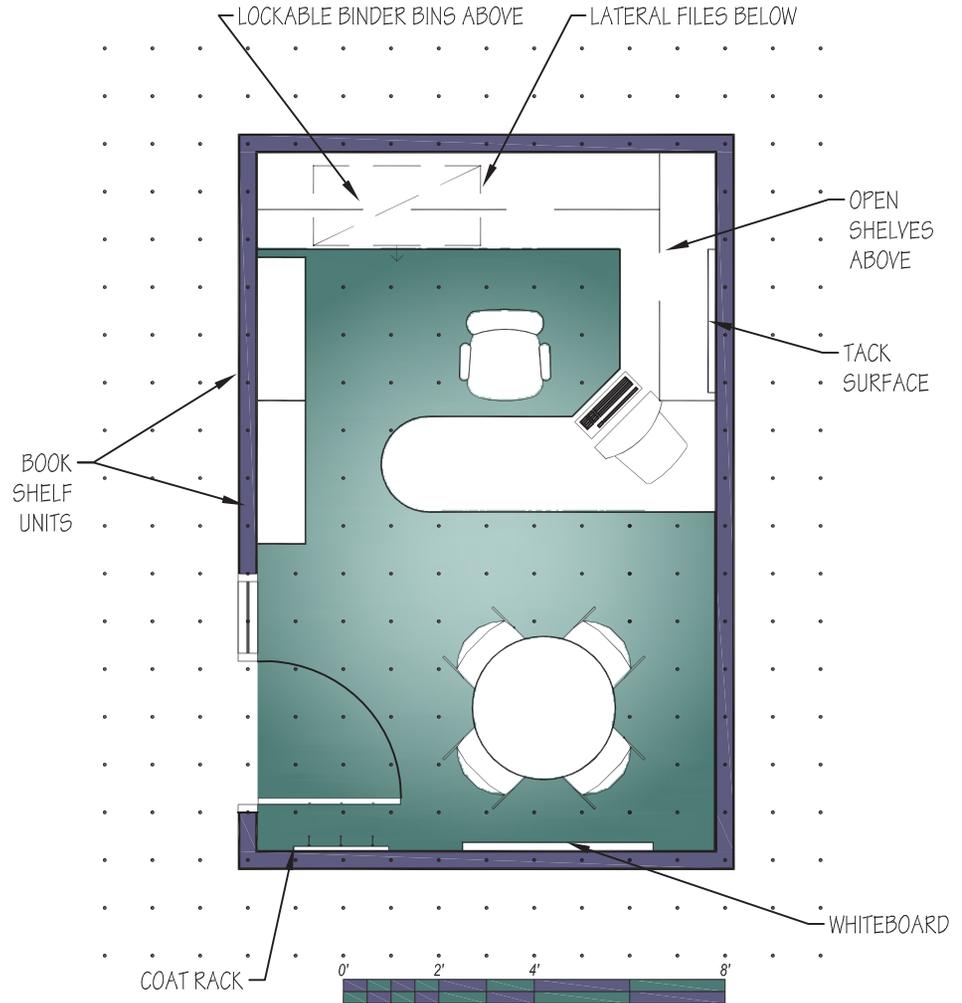
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Admin Services Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 150 sf
- Subtotal Required Area: 150 sf
- Subtotal Additional Area: 0 sf
- Total Area: 150 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: Bookstore and Student Services
- Proximity: The building entry and Culinary Arts
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

- Desktop computer, monitor & combo laser printer / copier / scanner.





# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 2
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 150 sf
- Subtotal Required Area: 300 sf
- Subtotal Additional Area: 0 sf
- Total Area: 300 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: Bookstore and Student Services
- Proximity: The building entry and Culinary Arts
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

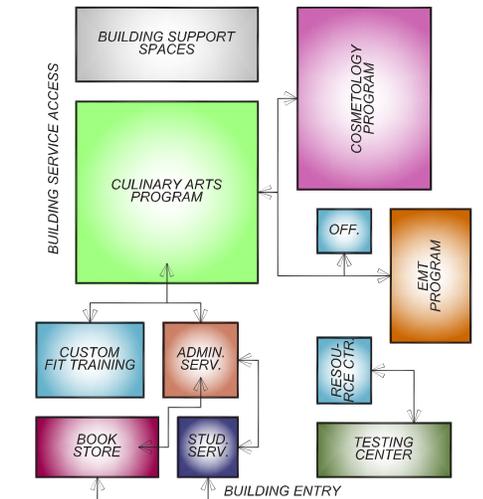
- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

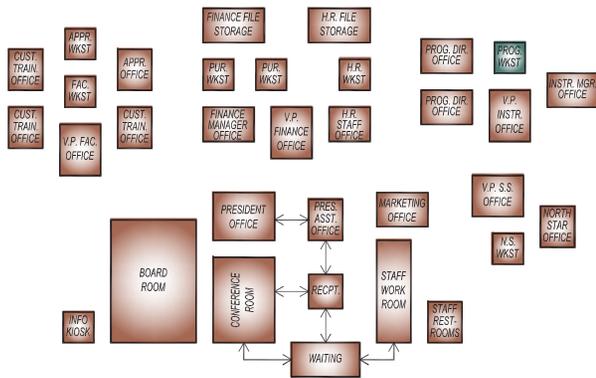
- Desktop computer, monitor & combo laser printer / copier / scanner.



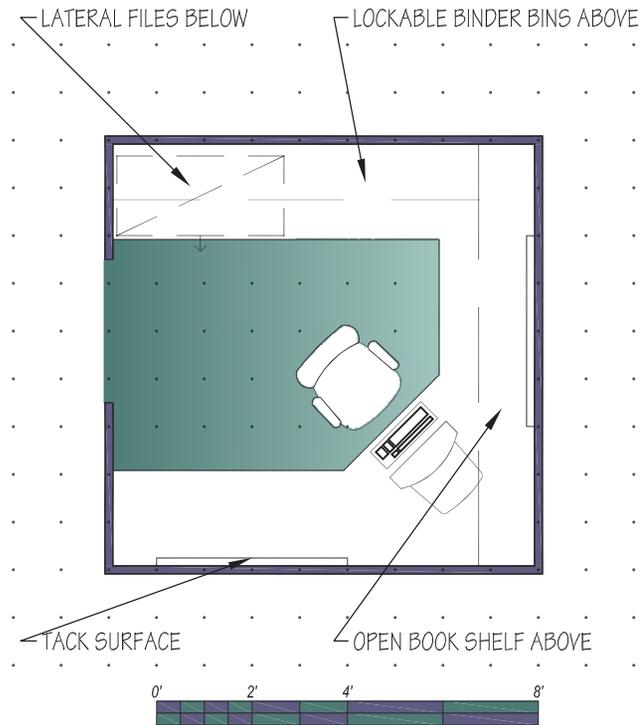
# INDIVIDUAL SPACE DIAGRAMS



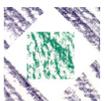
First Floor Relationship Diagram



Admin Services Relationship Diagram



## PROGRAM STAFF OPEN WORKSTATION Administrative Services



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open Workstation
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 80 sf
- Subtotal Required Area: 80 sf
- Subtotal Additional Area: 0 sf
- Total Area: 80 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 0

### Function / Tasks

- General office work.

### Relationships

- Location: First Floor
- Adjacency: Program Director Office  
Staff Work / Copy Room
- Proximity: Conference Room
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Not applicable
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Not required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Not applicable

### Windows

- Not applicable

### Casework / Fixed Equipment

- None required

### Furnishings

- Work Surface: (2) 24"x72"
- Work Surface, angled corner: (1) 24"x42"
- Shelf Unit, 6-shelves high: (1) 14"x48"
- Fabric-covered Panels: (1 wkstn.) 42"H
- Keyboard Shelf: (1) pull-out
- Tack Surface: (2) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Coat Hook: (2) each
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall  
120V distributed to systems furniture

- Data: Two (2) devices on opposing walls  
Distributed to systems furniture
- Phone: Two (2) devices on opposing walls  
Distributed to systems furniture

- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces

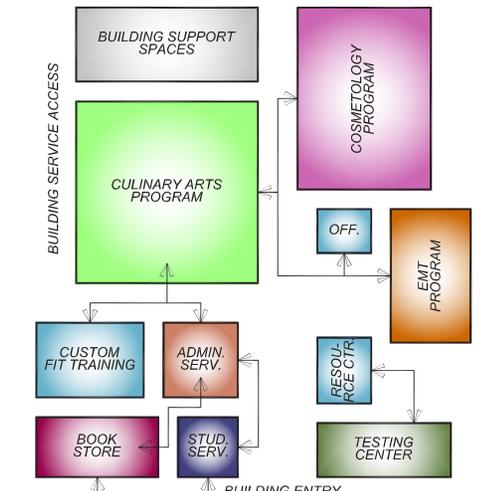
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

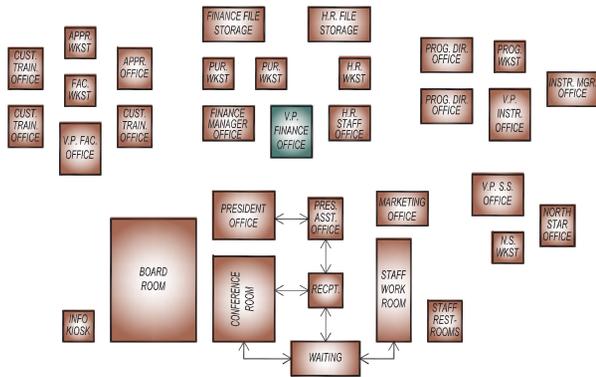
- Desktop computer, monitor & combo laser  
printer / copier / scanner.



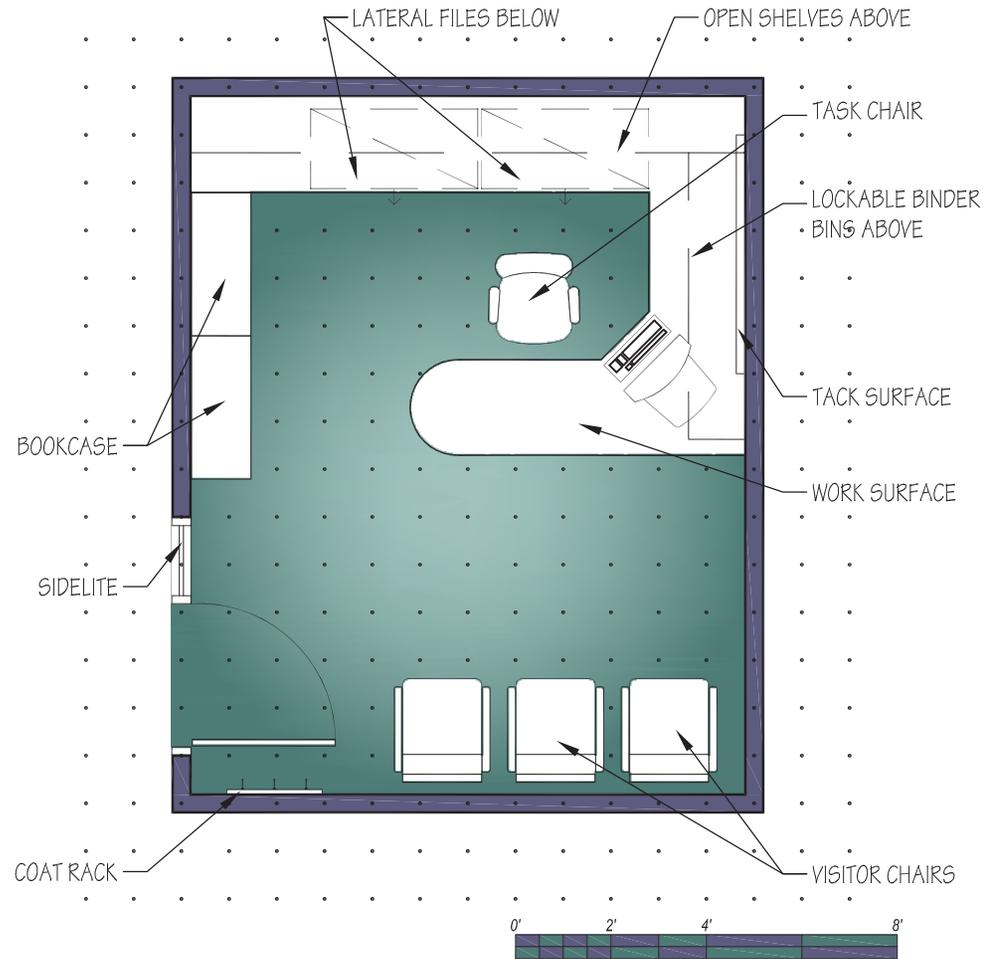
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Admin Services Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 180 sf
- Subtotal Required Area: 180 sf
- Subtotal Additional Area: 0 sf
- Total Area: 180 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: Bookstore and Student Services
- Proximity: The building entry and Culinary Arts
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

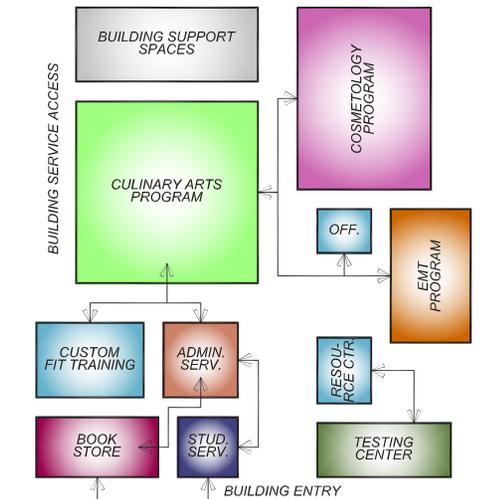
- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

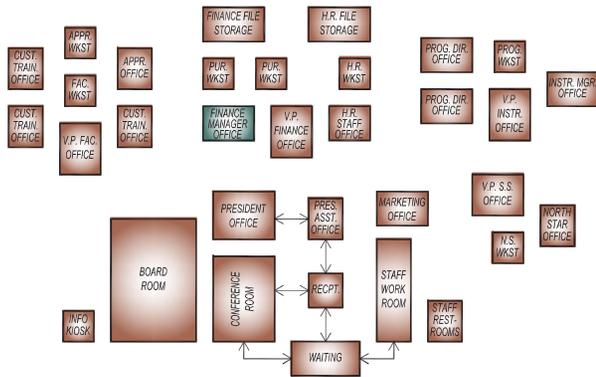
- Desktop computer, monitor & combo laser printer / copier / scanner.



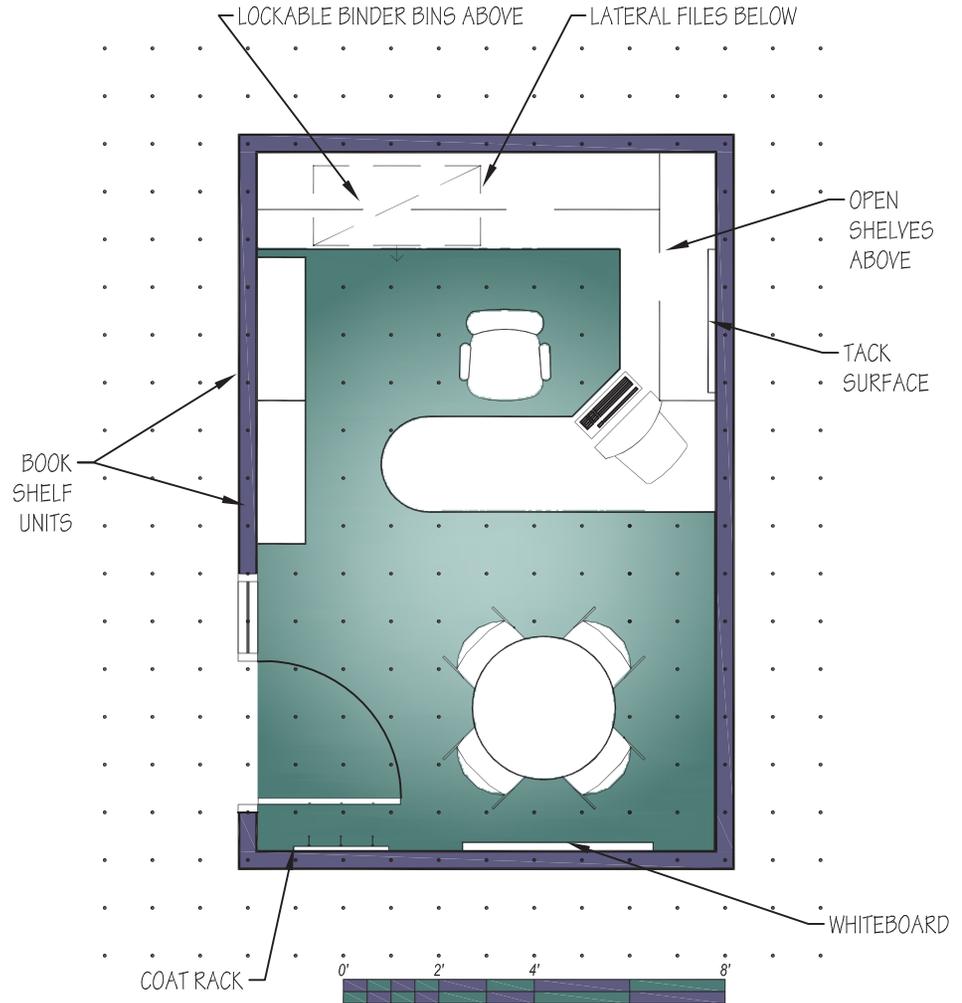
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Admin Services Relationship Diagram*



## FINANCE MANAGER OFFICE

### Administrative Services

# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 150 sf
- Subtotal Required Area: 150 sf
- Subtotal Additional Area: 0 sf
- Total Area: 150 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: Bookstore and Student Services
- Proximity: The building entry and Culinary Arts
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

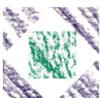
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

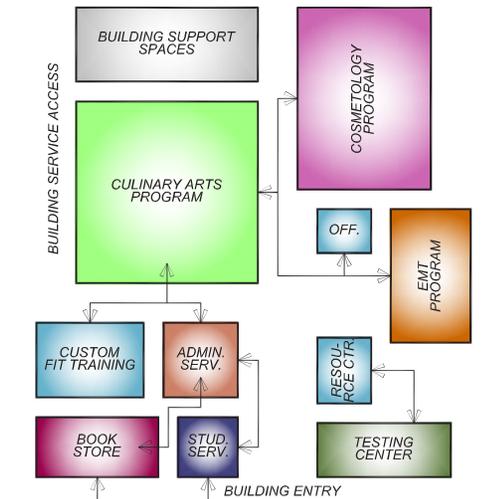
- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

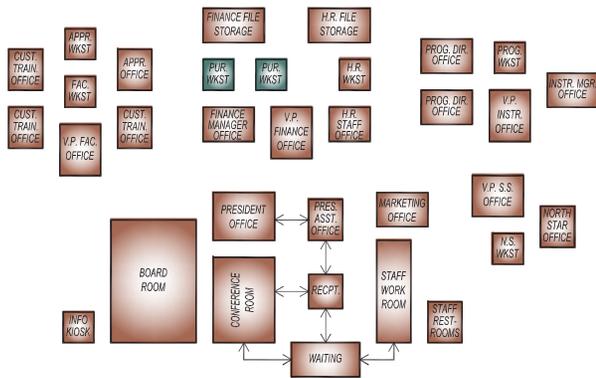
- Desktop computer, monitor & combo laser printer / copier / scanner.



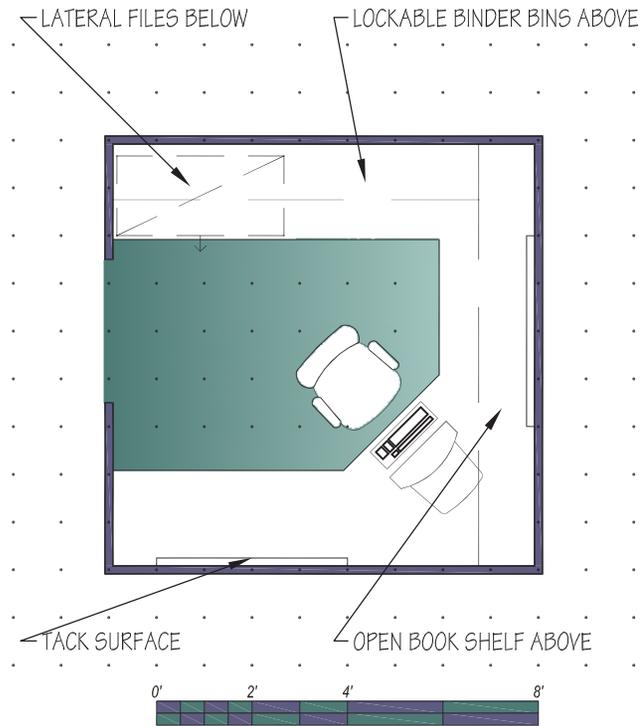
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Admin Services Relationship Diagram



## PURCHASING STAFF WORKSTATIONS Administrative Services

# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Open Workstation
• Number Required:	2
• Number Additional:	0
• Total Number:	2

### Net Area Summary

• Area (each):	80 sf
• Subtotal Required Area:	160 sf
• Subtotal Additional Area:	0 sf
• Total Area:	160 sf

### Occupant Summary

• Assigned Occupants:	1
• Visitors:	0

### Function / Tasks

- General office work.

### Relationships

• Location:	First Floor
• Adjacency:	Staff Work / Copy Room
• Proximity:	Conference Room
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Static-free carpet w/ 4" rubber base
• Walls:	Not applicable
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	Not required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

- Not applicable

### Windows

- Not applicable

### Casework / Fixed Equipment

- None required

### Furnishings

• Work Surface:	(2) 24"x72"
• Work Surface, angled corner:	(1) 24"x42"
• Shelf Unit, 6-shelves high:	(1) 14"x48"
• Fabric-covered Panels:	(1 wkstn.) 42"H
• Keyboard Shelf:	(1) pull-out
• Tack Surface:	(2) 24"x36"
• 2-Drawer Lateral File:	(2) 18"x42"
• Task Chair w/ arms, adjustable:	(1) 27"x28"
• Coat Hook:	(2) each
• Waste Can:	(1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	20 CFM/person (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	72°F
• Winter Design Temp.:	72°F

• Controls:	Individual direct digital controls
• Sound Criteria:	≤35 (NC/RC)
• Special Systems:	None required
• Plumbing:	None required

### Electrical

• Power:	One (1) duplex receptacle each wall 120V distributed to systems furniture
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• Data:	Two (2) devices on opposing walls Distributed to systems furniture
• Phone:	Two (2) devices on opposing walls Distributed to systems furniture

• Video:	Rough-in for future capacity
• Intercom:	Ceiling speaker

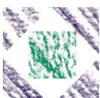
### Lighting

• Fixture Type:	T-8 Fluorescent lay-in indirect
• Task Light:	Required at work surfaces

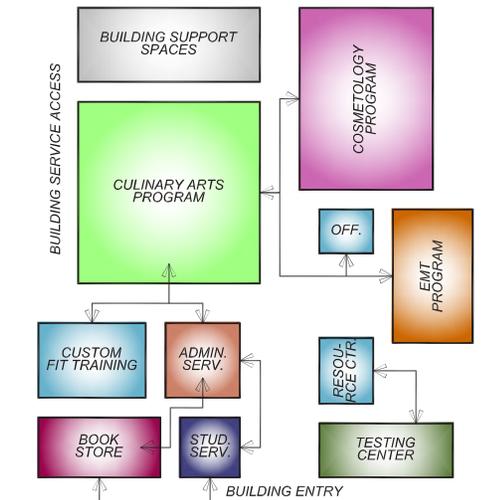
• Foot Candles:	40
• Controls:	Occupancy sensor

### Equipment (NIC)

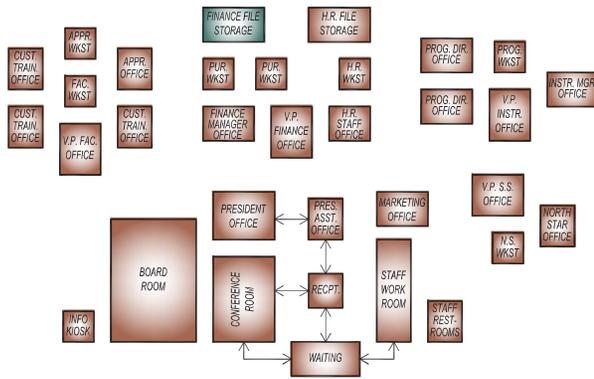
- Desktop computer, monitor & combo laser printer / copier / scanner.



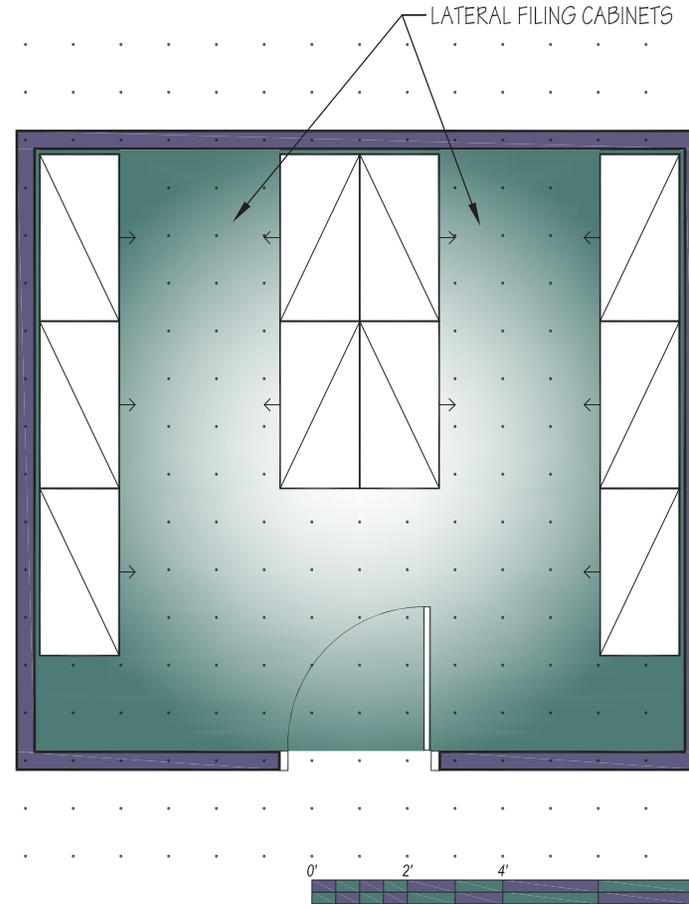
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Admin Services Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Enclosed Storage Room
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 180 sf
- Subtotal Required Area: 180 sf
- Subtotal Additional Area: 0 sf
- Total Area: 180 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Staff

### Function / Tasks

- Provide a secure space for file storage.

### Relationships

- Location: First Floor
- Adjacency: VP Finance (CFO) Office & Finance Manager Office
- Proximity: None required
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: VCT w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- None required.

### Furnishings

- Lateral filing cabinets: (10)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air:
- Air Circulation:
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: O45 (NC/RC)

- Special Systems:
- Plumbing:

### Electrical

- Power: Two (2) duplex receptacles per wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

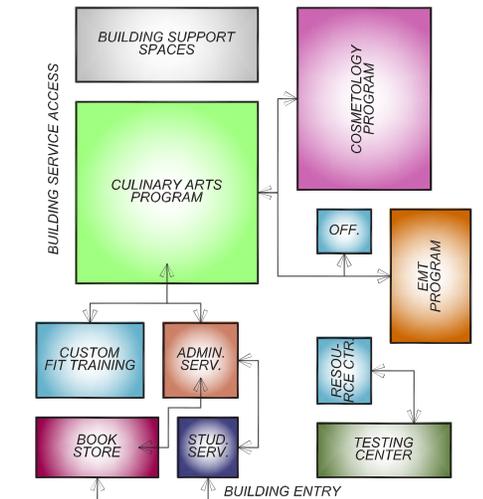
- Fixture Type: T-8 Fluorescent lay-in
- Task Light: Required at work surfaces
- Foot Candles: 50
- Controls: Occupancy sensor

### Equipment (NIC)

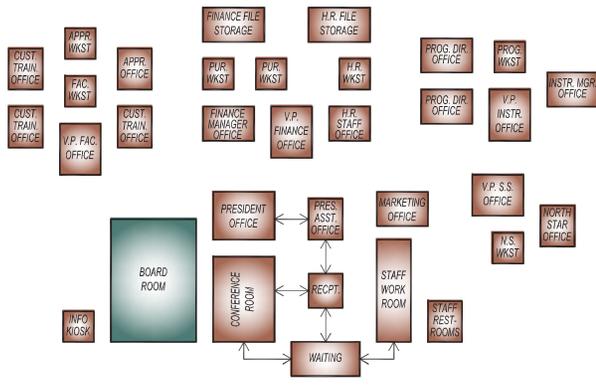
- None required.



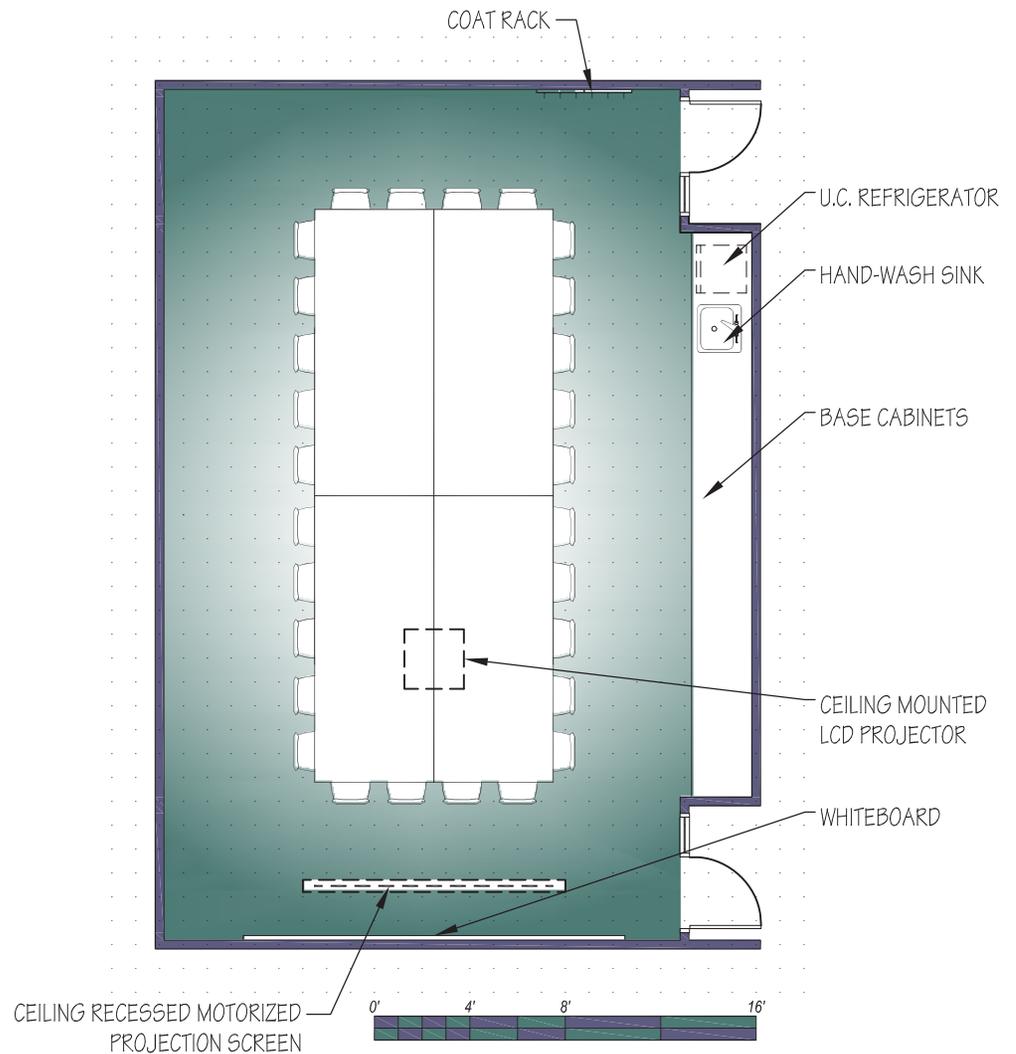
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Admin Services Relationship Diagram



## BOARD ROOM Administrative Services

# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Enclosed Meeting Room
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 900 sf
- Subtotal Required Area: 900 sf
- Subtotal Additional Area: 0 sf
- Total Area: 900 sf

### Occupant Summary

- Assigned Occupants: 0
- Visitors: 2 - 30

### Function / Tasks

- Provide a private and professional conference area, equipped to accommodate and display all current technology formats.

### Relationships

- Location: First Floor
- Adjacency: Administrator Office
- Proximity: Main Building Entry
- Separation: Equipment & mechanical rooms  
Noisy public space & public gathering areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" hdwd. base
- Walls: Painted gypsum board w/ 6" hdwd. chair rail
- Ceiling: Suspended 2x2 acoustic & painted gypsum board soffit
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): Bi-level 10'-0"/8'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard (alum. frame & tray): (1) 96"x48"
- Coat Rack: 18x6x3/4 oak plate w/ 3 dbl-prong
- Motorized projection screen: (1) 72"w
- Projector mount / ports & cable connection: (1)
- Clock: (1)

### Furnishings

- Wood conference table: (4) 48"x8'-0"
- Upholstered conference chairs: (30) 20"x20"
- Waste can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria:  $\leq 35$  (NC/RC)
- Special Systems: None required
- Plumbing: Sink, water, waste & vent

### Electrical

- Power: One (1) duplex receptacle each wall  
One (1) four-plex floor box under table  
Power connection for projection screen
- Data: One (1) device on opposing walls  
One (1) floor box under table
- Phone: One (1) device on opposing walls  
One (1) floor box under table
- Video: A/V system w/ internet connection
- Intercom: Speaker w/ volume control

### Lighting

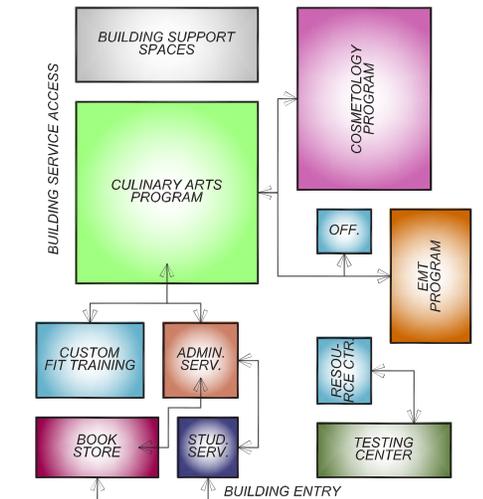
- Fixture Type: T-8 Fluorescent video conference type w/ dimming ballast
- Accent Lighting: Incandescent
- Foot Candles: 50
- Controls: Dimming control & relay

### Equipment (NIC)

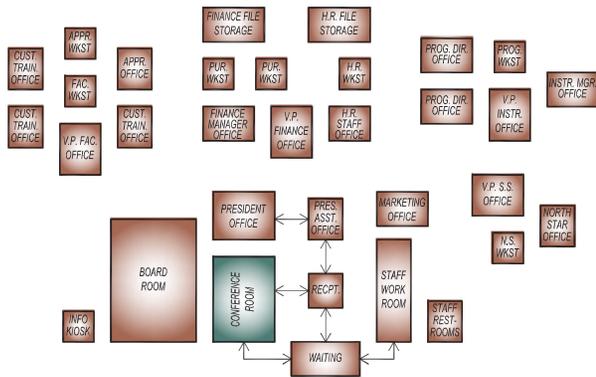
- Laptop computer, LCD projector, DVD player, television, smart board, & overhead, opaque, slide & film projectors, audio devices



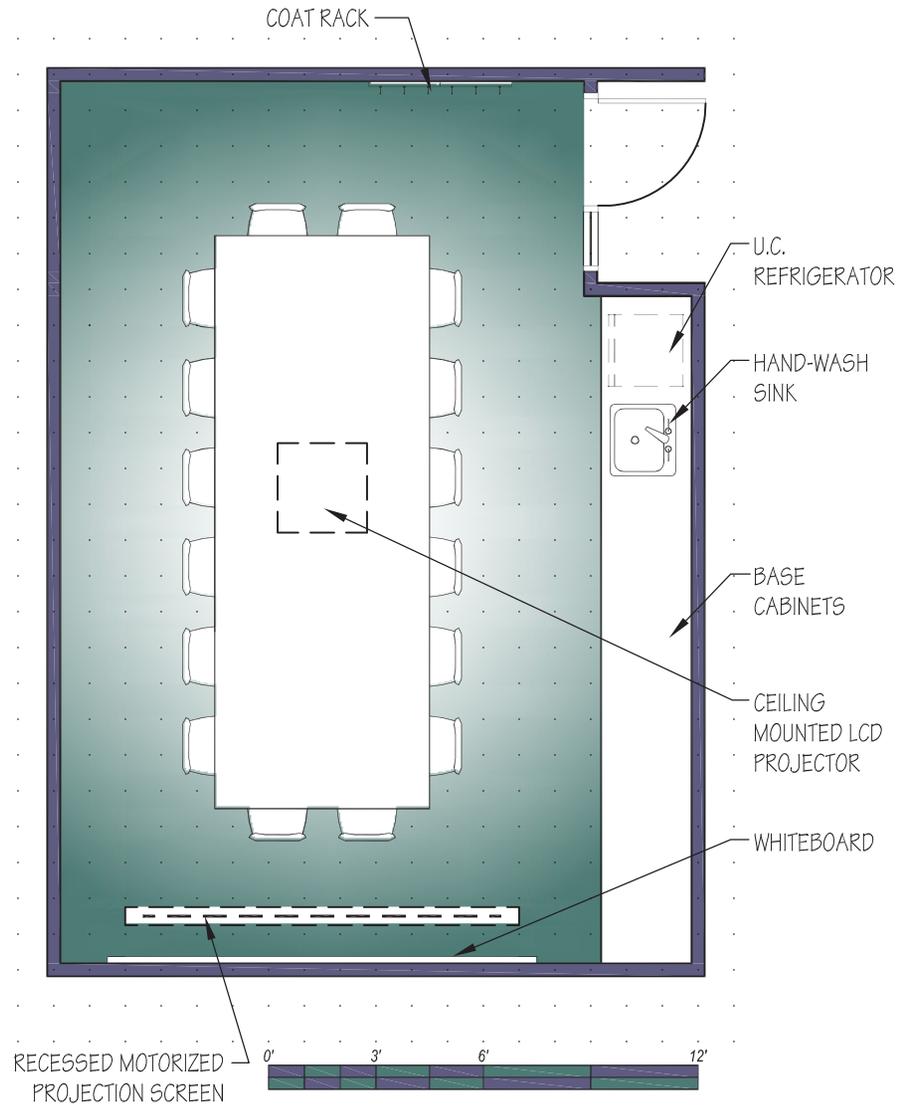
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Admin Services Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Enclosed Meeting Room
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 450 sf
- Subtotal Required Area: 450 sf
- Subtotal Additional Area: 0 sf
- Total Area: 450 sf

### Occupant Summary

- Assigned Occupants: 0
- Visitors: 2 - 30

### Function / Tasks

- Provide a private and professional conference area, equipped to accommodate and display all current technology formats.

### Relationships

- Location: First Floor
- Adjacency: Administrator Office
- Proximity: Main Building Entry
- Separation: Equipment & mechanical rooms  
Noisy public space & public gathering areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" hdwd. base
- Walls: Painted gypsum board w/ 6" hdwd. chair rail
- Ceiling: Suspended 2x2 acoustic & painted gypsum board soffit
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): Bi-level 10'-0"/8'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard (alum. frame & tray): (1) 96"x48"
- Coat Rack: 18x6x3/4 oak plate w/ 3 dbl-prong
- Motorized projection screen: (1) 72"w
- Projector mount / ports & cable connection: (1)
- Clock: (1)

### Furnishings

- Wood conference table: (1) 48"x12'-0"
- Upholstered conference chairs: (16) 20"x20"
- Waste can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria:  $\leq 35$  (NC/RC)
- Special Systems: None required
- Plumbing: Sink, water, waste & vent

### Electrical

- Power: One (1) duplex receptacle each wall  
One (1) four-plex floor box under table  
Power connection for projection screen
- Data: One (1) device on opposing walls  
One (1) floor box under table
- Phone: One (1) device on opposing walls  
One (1) floor box under table
- Video: A/V system w/ internet connection
- Intercom: Speaker w/ volume control

### Lighting

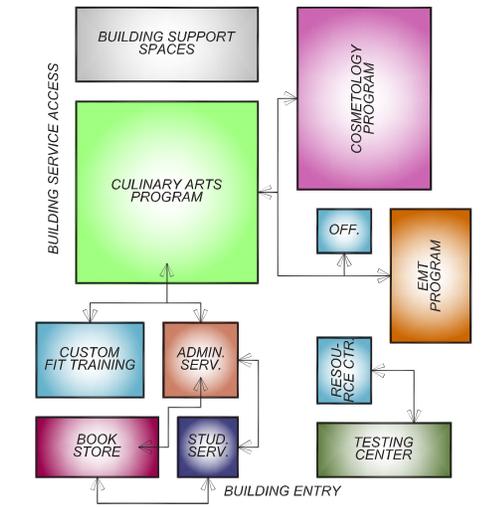
- Fixture Type: T-8 Fluorescent video conference type w/ dimming ballast
- Accent Lighting: Incandescent
- Foot Candles: 50
- Controls: Dimming control & relay

### Equipment (NIC)

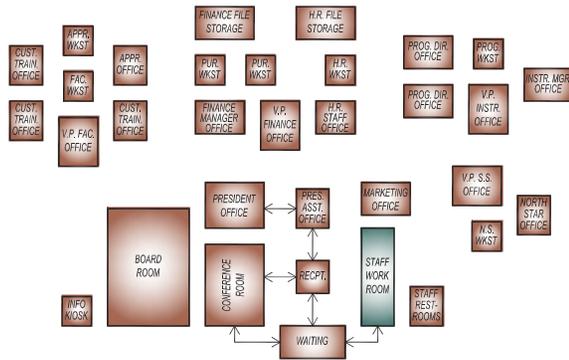
- Laptop computer, LCD projector, DVD player, television, smart board, & overhead, opaque, slide & film projectors, audio devices



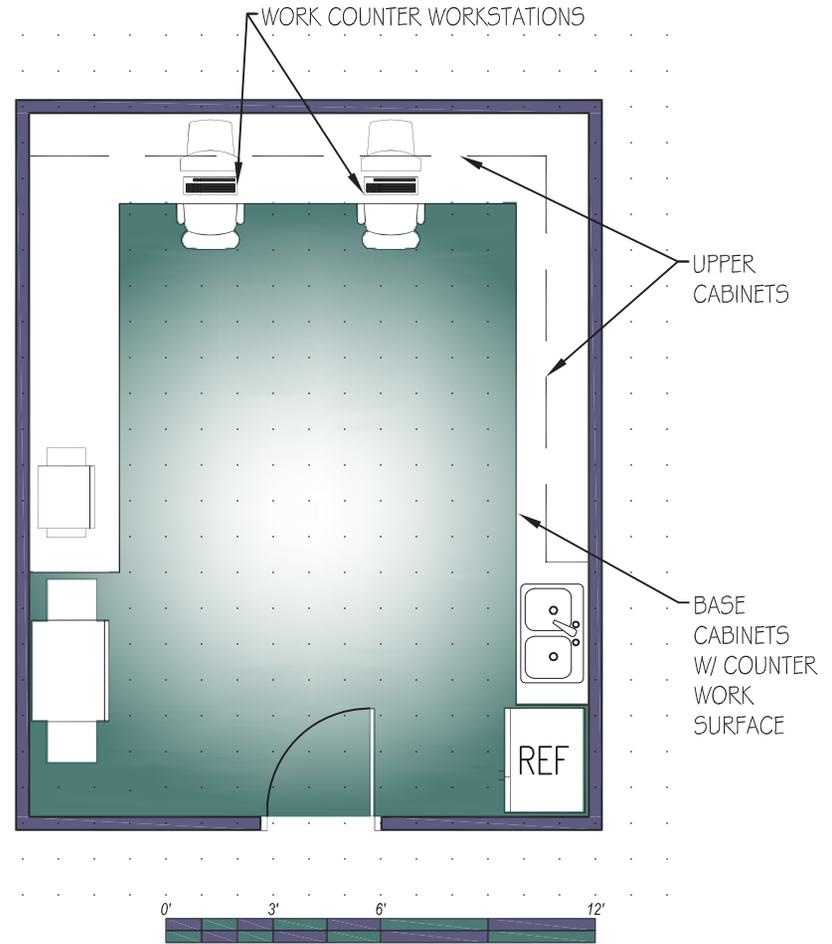
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*

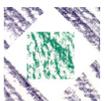


*Admin Services Relationship Diagram*



## STAFF WORK / COPY ROOM

*Administrative Services*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Enclosed Work Room
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 300 sf
- Subtotal Required Area: 300 sf
- Subtotal Additional Area: 0 sf
- Total Area: 300 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Staff

### Function / Tasks

- Provide a shared workroom area.

### Relationships

- Location: First Floor
- Adjacency: Centrally located
- Proximity: None required
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: VCT
- Walls: Painted gypsum board
- Ceiling: Suspended acoustical ceiling tile
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- Base Cabinets: (18 lf) 30"d w/ locking doors & adjustable shelves
- Wall Cabinets: (18 lf) 14"dx24"h w/ locking doors & adjustable shelves
- P. Lam. Work Surface: (6 lf) 30"d
- Base Cabinets: (11 lf) 24"d w/ locking doors & adjustable shelves

### Furnishings

- Task Chair w/ arms, adjustable: (2) 27"x28"
- Waste & recycling containers: (2) 24" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 100% Exhaust
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: Hand sink, water, waste, vent

### Electrical

- Power: Two (2) duplex receptacles each wall  
Additional as required for equipment listed

- Data: Two (2) devices on opposing walls  
Additional as required for equipment listed

- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

- Fax machine, copier, scanner, shredder, (3) laser printers, desktop computer & mailing equipment
- Microwave, coffee maker, refrigerator





# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open Reception Area
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 100 sf
- Subtotal Required Area: 100 sf
- Subtotal Additional Area: 0 sf
- Total Area: 100 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: Varies

### Function / Tasks

- Provide a professional reception work area.

### Relationships

- Location: First Floor
- Adjacency: Administrative Services office, conference room & workstations
- Proximity: Staff Work Room
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Not required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Not applicable

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- None required.

### Furnishings

- System furniture workstation: (1)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria:  $\leq 35$  (NC/RC)

- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall

- Data: Rough-in for future capacity
- Phone: Rough-in for future capacity

- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Table Lamp: One (1) each table

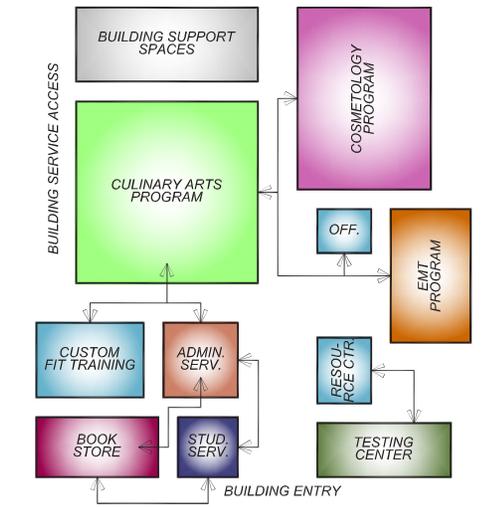
- Foot Candles: 50
- Controls: Occupancy sensor

### Equipment (NIC)

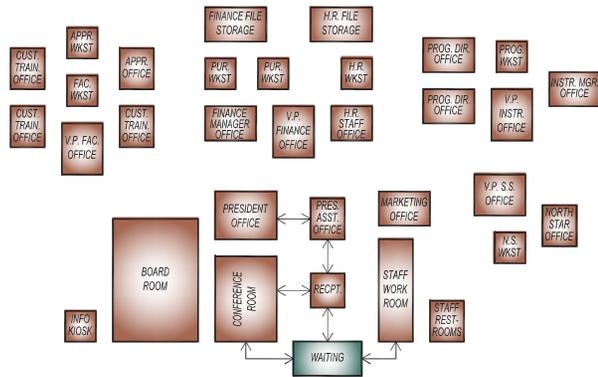
- None required.



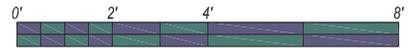
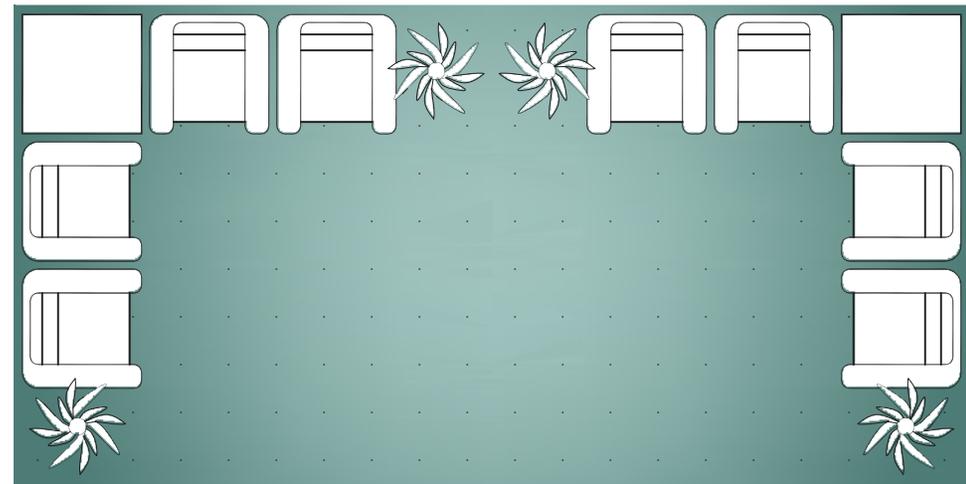
# INDIVIDUAL SPACE DIAGRAMS



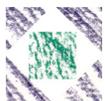
*First Floor Relationship Diagram*



*Admin Services Relationship Diagram*



## WAITING AREA Administrative Services



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Open Waiting Area
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	200 sf
• Subtotal Required Area:	200 sf
• Subtotal Additional Area:	0 sf
• Total Area:	200 sf

### Occupant Summary

• Assigned Occupants:	0
• Visitors:	1-4

### Function / Tasks

- Provide a professional and comfortable waiting area.

### Relationships

• Location:	First Floor
• Adjacency:	Administrative Services office, Conference room & workstations
• Proximity:	Staff Work Room
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Static-free carpet w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	Not required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

- Not applicable

### Windows

• Natural Light:	Not required
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### Casework / Fixed Equipment

- None required.

### Furnishings

• Upholstered chair:	(4) 27"x28"
• End table:	(1) 24"x24"
• Table lamp:	(1)

## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	20 CFM/person (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	72°F
• Winter Design Temp.:	72°F

• Controls:	Individual direct digital controls
• Sound Criteria:	≤35 (NC/RC)

• Special Systems:	None required
• Plumbing:	None required

### Electrical

Power:	One (1) duplex receptacle each wall
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• Data:	Rough-in for future capacity
• Phone:	Rough-in for future capacity

• Video:	Rough-in for future capacity
• Intercom:	Ceiling speaker

### Lighting

• Fixture Type:	T-8 Fluorescent lay-in
• Table Lamp:	One (1) each table

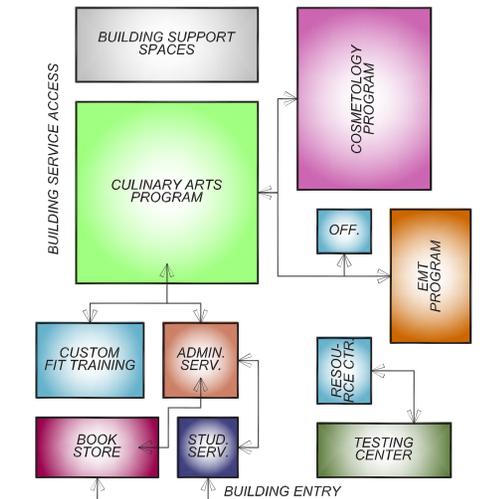
• Foot Candles:	50
• Controls:	Occupancy sensor

### Equipment (NIC)

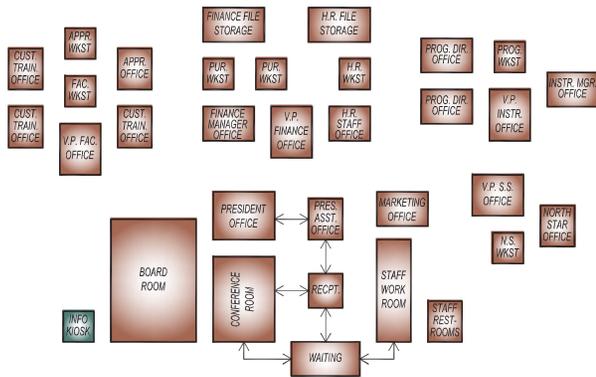
- None required.



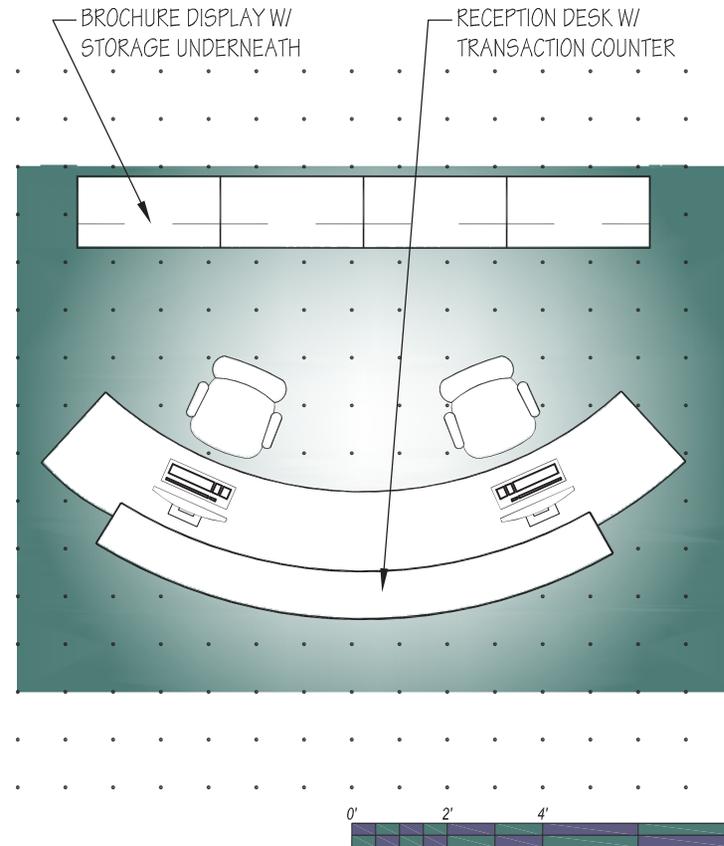
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Admin Services Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Open area
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	80 sf
• Subtotal Required Area:	80 sf
• Subtotal Additional Area:	0 sf
• Total Area:	80 sf

### Occupant Summary

• Assigned Occupants:	0
• Visitors:	1-4

### Function / Tasks

- Provide a space to display information.

### Relationships

• Location:	First Floor
• Adjacency:	Administrative Services office, conference room & workstations
• Proximity:	Staff Work Room
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Static-free carpet w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	Not required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

- Not applicable

### Windows

• Natural Light:	Not required
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### Casework / Fixed Equipment

- Custom casework information desk.

### Furnishings

## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	20 CFM/person (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	72°F
• Winter Design Temp.:	72°F

• Controls:	Individual direct digital controls
• Sound Criteria:	≤35 (NC/RC)

• Special Systems:	None required
• Plumbing:	None required

### Electrical

Power:	One (1) duplex receptacle each wall
--------	-------------------------------------

• Data:	Rough-in for future capacity
• Phone:	Rough-in for future capacity

• Video:	Rough-in for future capacity
• Intercom:	Ceiling speaker

### Lighting

• Fixture Type:	T-8 Fluorescent lay-in
• Table Lamp:	One (1) each table

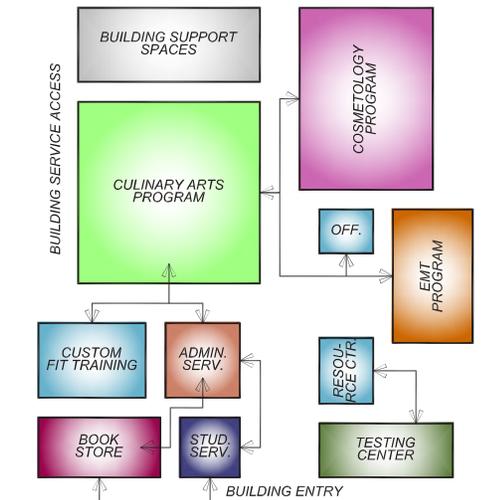
• Foot Candles:	50
• Controls:	Occupancy sensor

### Equipment (NIC)

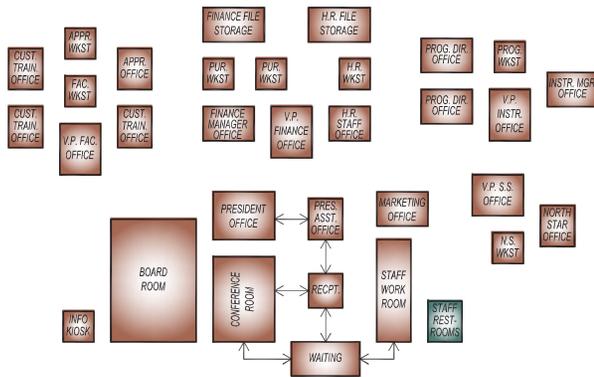
- None required.



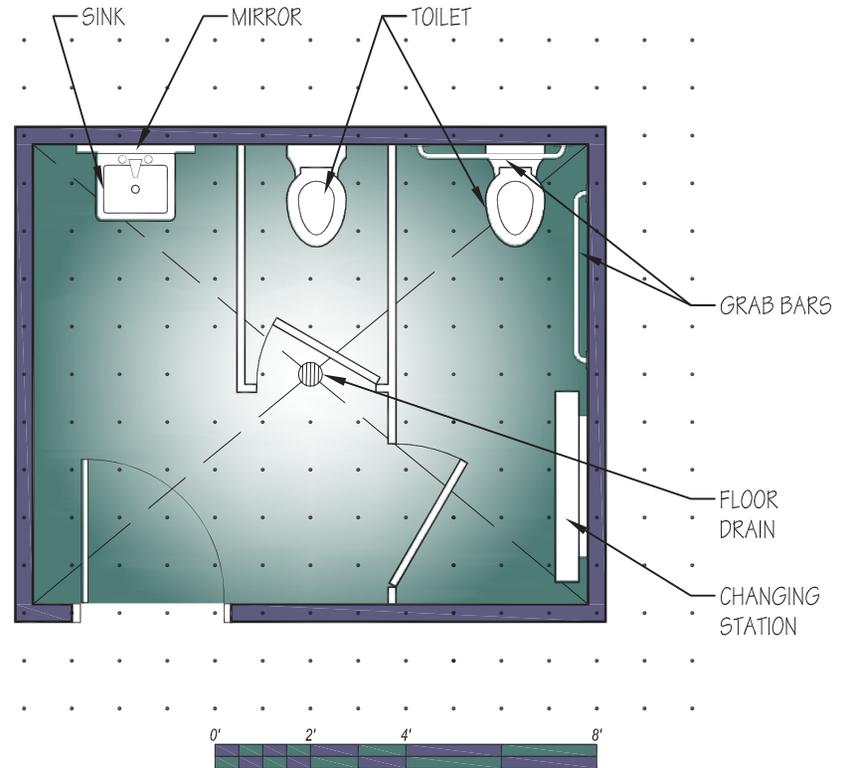
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Admin Services Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Enclosed Public Restroom
- Number Required: 1 per gender
- Number Additional (expansion): 0
- Total Number: 2

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 240 sf
- Subtotal Additional Area: 0 sf
- Total Area: 2400 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty / Staff

### Function / Tasks

- Building support space.

### Relationships

- Location: First Floor
- Adjacency: Centrally located
- Proximity: Public circulation
- Separation: Quiet spaces

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Ceramic tile, slope to floor drain
- Walls: Ceramic tile
- Ceiling: Susp. gypsum board w/ acoustic tile
- Sound: None required
- Fixtures: Vitreous china

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- Water closet: As required
- Urinal: As required
- Lavatory: As required
- Toilet partition, stainless steel: 32"x56"
- Urinal Screen, stainless steel: 24"x18"(min)
- Mirror w/ stainless steel shelf: As required
- Grab bars, stainless steel: As required
- Dispensers: As required
- Waste receptacles, stainless steel: As required

### Furnishings

- None required.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM / per person (min)
- Air Circulation: 15 CFM / per person (min)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 70°F
- Controls: Individual direct digital controls
- Sound Criteria: 40 (NC/RC)
- Special Systems: 5 min air exchange exhaust
- Plumbing: Wall hung flush valve water closets  
Wall hung flush valve urinals  
Wall hung lavatories  
Floor drains  
Water, waste & venting

### Electrical

- Power: One GFCI duplex outlet per wall
- Data: None required
- Phone: None required
- Video: None required
- Intercom: Ceiling speaker

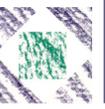
### Lighting

- Fixture Types: T-8 Fluorescent
- Task Light: Required at mirrors
- Foot Candles: 30
- Controls: Occupancy sensor

### Equipment

- Electric hand driers.

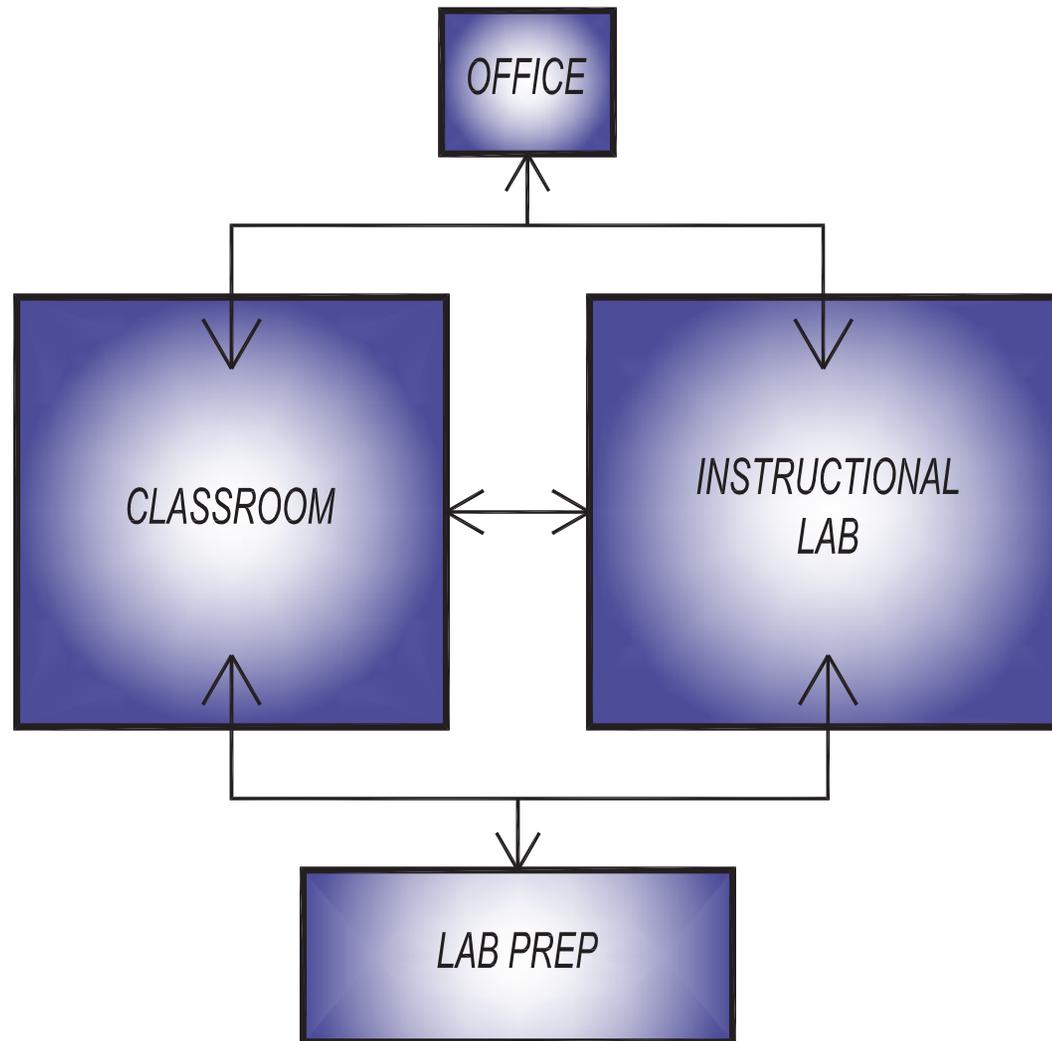




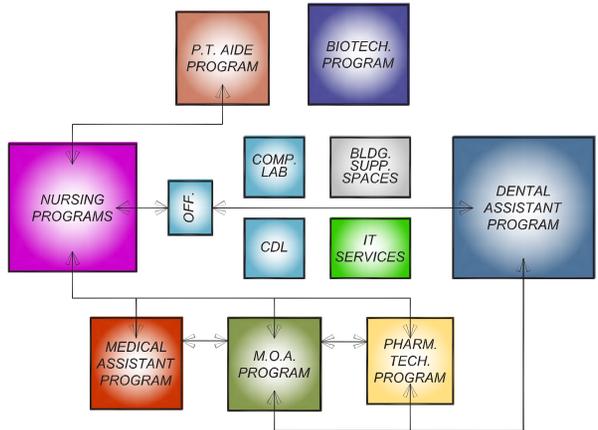
# INDIVIDUAL SPACE REQUIREMENTS



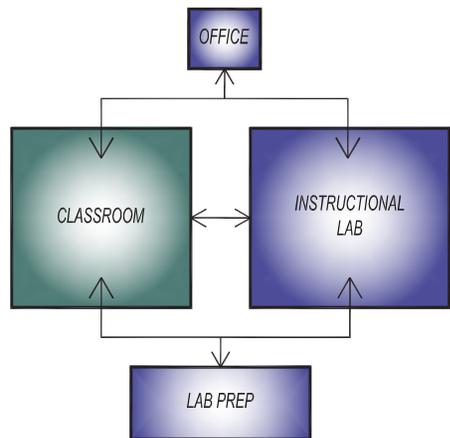
## BIOTECHNOLOGY PROGRAM RELATIONSHIP DIAGRAM



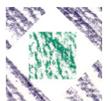
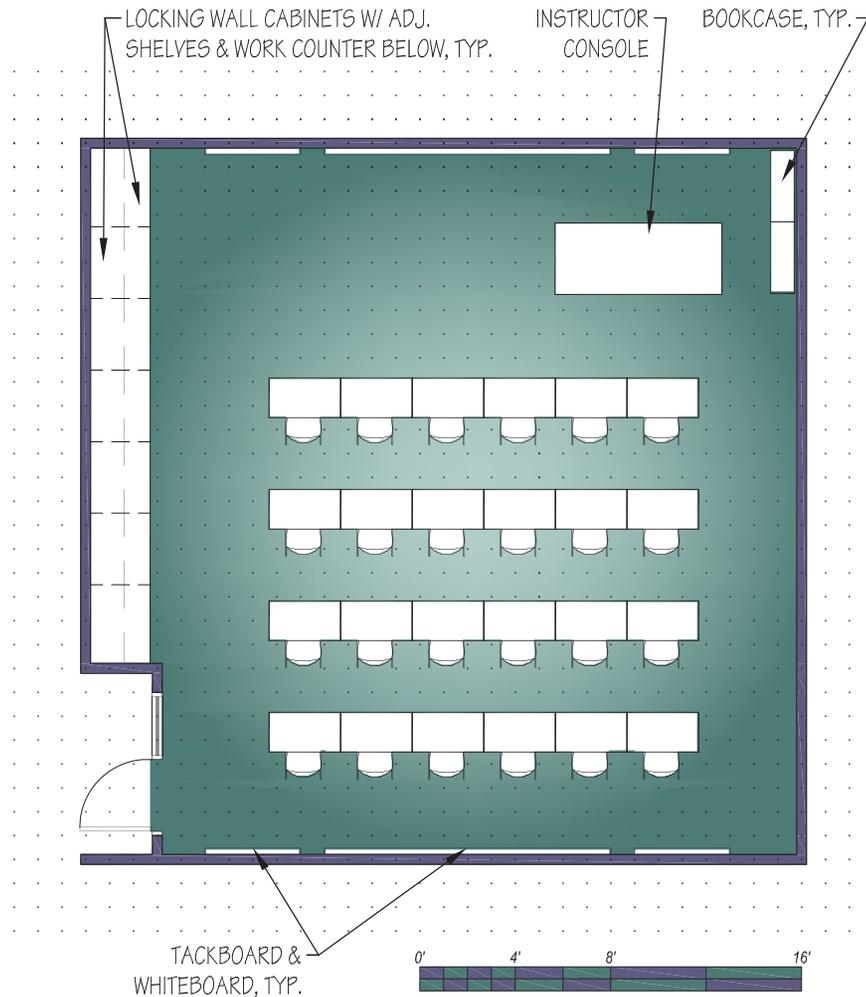
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



Biotechnology Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Classroom
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	900 sf
• Subtotal Required Area:	900 sf
• Subtotal Additional Area:	0 sf
• Total Area:	900 sf

### Occupant Summary

• Student Stations:	25
• Area Per Station:	30 sf

### Function / Tasks

- Provide flexible teaching environment.

### Relationships

• Location:	Second Floor
• Adjacency:	Biotechnology Laboratory, Storage & Faculty Office
• Proximity:	Pharmacy Technician, Dental Assistant & Medical Assistant Programs
• Separation:	Mechanical & elevator rooms Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Static-free carpet w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x2 acoustical panels
• Sound:	Full sound construction

### Ceiling Height

• Above Finish Floor (min.):	10'-0"
------------------------------	--------

### Doors

• Type:	Solid-core wood w/ clear finish
• Frame:	Painted hollow metal w/ glazed sidelite
• Special:	Sound isolation

### Windows

• Natural Light:	Required, provide adequate light control for computer & multi-media use
• Type:	Aluminum frame
• Glazing:	Insulated w/ low-e coating
• Interior:	Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

• Instructor console w/ podium	(1) 36"x84"
• Whiteboard w/ map rail & tray:	(2) 168"x48"
• Tackboard w/ frame:	(2) 48"x48"
• Solid surface work counter:	(21 lf) 30"Dx27"H
• Hdwd. veneer wall cabinet:	(21 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
• Hdwd. veneer bookcase:	(2) 36"Wx12"Dx84"H w/ (5) adjustable shelves & (1) fixed shelf
• Projector mount / ports & cable connection:	(1)
• Clock:	(1)
• Projection screen	(1) 96"W

### Furnishings

• Student table:	(25) 36"Wx24"Dx27"H
• Task chair, armless, swivel, adjustable:	(26)

## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	15 CFM/person (min.)
• Air Circulation:	15 CFM/person (min.)
• Summer Design Temp.:	72°F
• Winter Design Temp.:	72°F
• Controls:	Individual direct digital controls
• Sound Criteria:	≤30 (NC/RC)
• Special Systems:	None required
• Plumbing:	None required

### Electrical

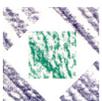
• Power:	Two (2) duplex receptacles per wall & at instructor station Additional capacity for equipment listed
• Data:	Two (2) devices on opposing walls & at instructor station One (1) wireless airport Additional capacity for equipment listed
• Phone:	Two (2) devices on opposing walls & at instructor station
• Video:	A/V system w/ internet connection
• Intercom:	Ceiling speaker

### Lighting

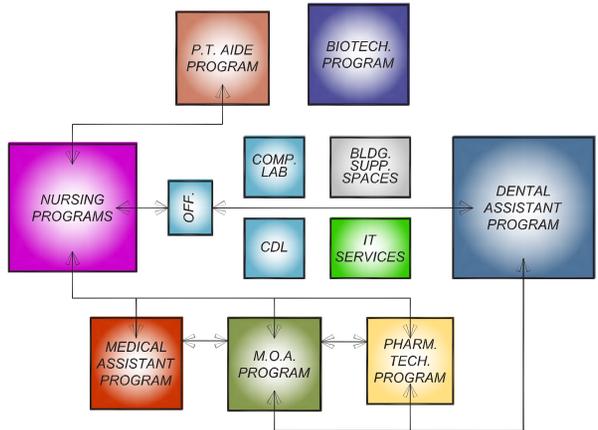
• Fixture Type:	T-5 HO linear indirect pendant
• Task Light:	None required
• Foot Candles:	40-45
• Controls:	Occupancy sensor

### Equipment (NIC)

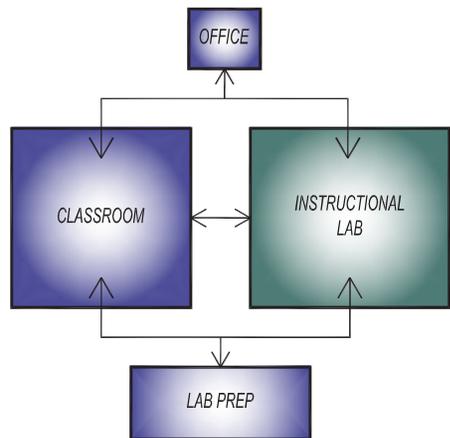
• Elmo desktop presentation unit:	(1)
• Desktop computer, monitor, printer/scanner:	(1)
• Capacity for 25 laptop computers; video monitors; overhead, opaque, slide & film projectors; & audio devices.	



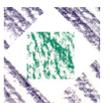
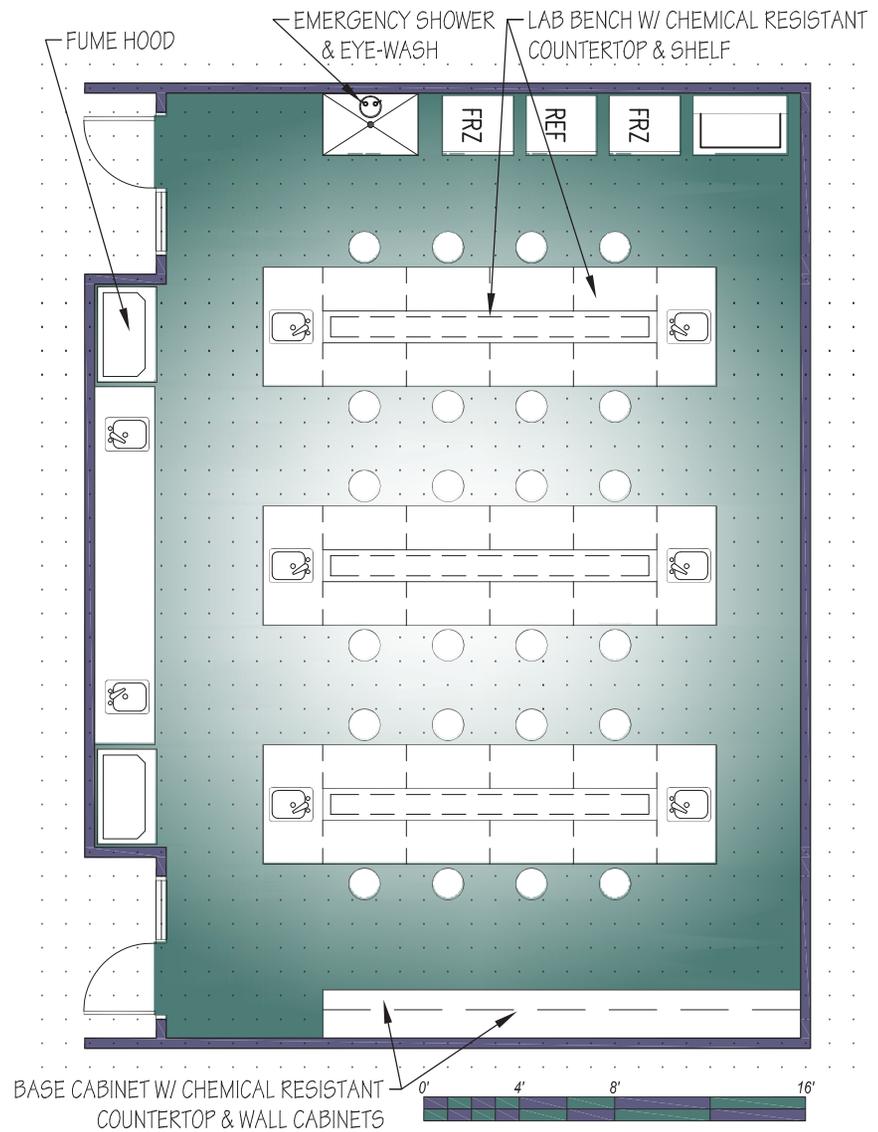
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



Biotechnology Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 1,200 sf
- Subtotal Required Area: 1,200 sf
- Subtotal Additional Area: 0 sf
- Total Area: 1,200 sf

### Occupant Summary

- Student Stations: 20
- Area Per Station: 50 sf

### Function / Tasks

- Provide a specialized instructional environment.

### Relationships

- Location: Second Floor
- Adjacency: Biotechnology Classroom, Lab Prep & Faculty Office
- Proximity: Pharmacy Technician, Dental Assistant & Medical Assistant Programs
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: VCT w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required, provide adequate light control for computer & multi-media use
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Chemical fume hood: (1)
- Hdwd. veneer wall cabinet: 15"Dx24"H w/ (2) adjustable shelves
- Base cabinet w/ chemical resistant countertop
- Lab bench w/ chemical resistant countertop & shelf

### Furnishings

- Task chairs (24)
- Waste can (2)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 100% Exhaust
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: O45 (NC/RC)
- Special Systems: Fume hood exhaust
- Plumbing: Sink, water, waste, vent, acid waste, gas, emergency shower, eyewash and floor drain

### Electrical

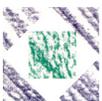
- Power: Two (2) duplex receptacles per wall  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

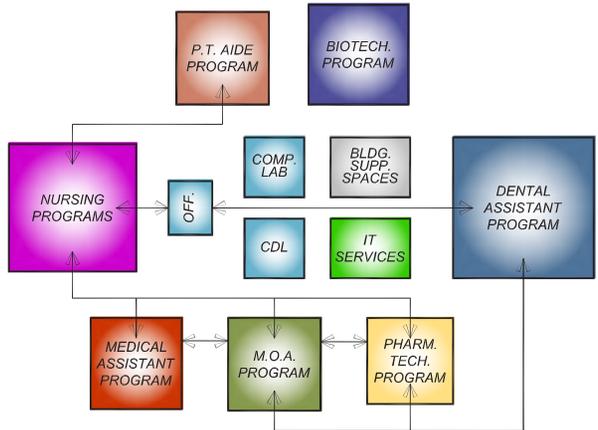
- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

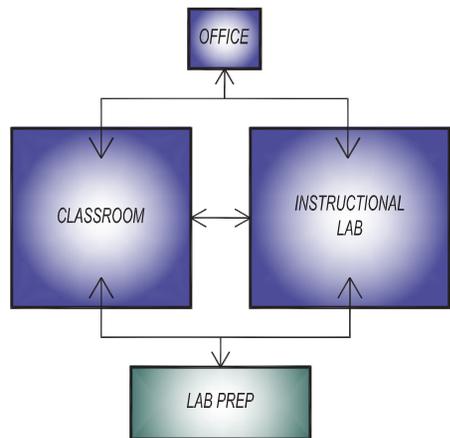
- Refrigerator and ice machine
- Shaking Incubator
- Incubators (2)
- UV boxes (3)
- Waterbath (9)
- Centrifuge spectrophotometer (1)
- Gel photobox (2)
- Thermal cycler (1)



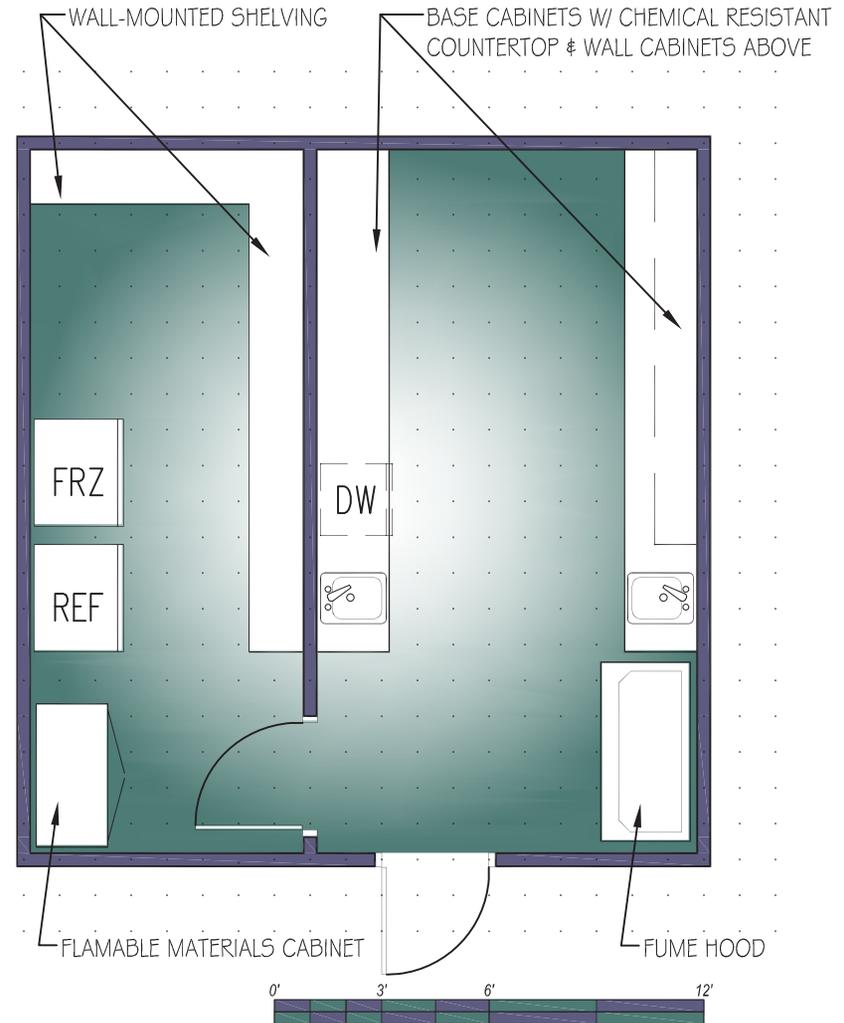
# INDIVIDUAL SPACE DIAGRAMS



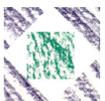
*Second Floor Relationship Diagram*



*Biotechnology Relationship Diagram*



## CLASSROOM / LAB STORAGE & PREP ROOM Biotechnology Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Enclosed Prep / Storage Room
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 380 sf
- Subtotal Required Area: 380 sf
- Subtotal Additional Area: 0 sf
- Total Area: 380 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Instructors

### Function / Tasks

- Provide a secure space for lab prep work, chemical and supply storage.

### Relationships

- Location: Second Floor
- Adjacency: Biotechnology Classroom, Laboratory & Faculty Office
- Proximity: Pharmacy Technician, Dental Assistant & Medical Assistant Programs
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: VCT w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- Chemical fume hood: (1)

### Furnishings

- Flammable cabinet
- Dishwasher: (1)
- Hdwd. veneer wall cabinet: 15"Dx24"H w/ (2) adjustable shelves
- Base cabinet w/ chemical resistant countertop
- Wall mounted shelving

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 100% Exhaust
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: O45 (NC/RC)

- Special Systems: Fume hood exhaust
- Plumbing: Sink, water, waste, vent, acid waste, gas

### Electrical

- Power: Two (2) duplex receptacles per wall  
Additional capacity for equipment listed

- Data: Two (2) devices on opposing walls  
Additional capacity for equipment listed

- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

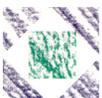
- Fixture Type: T-8 Fluorescent lay-in
- Task Light: Required at work surfaces

- Foot Candles: 50
- Controls: Occupancy sensor

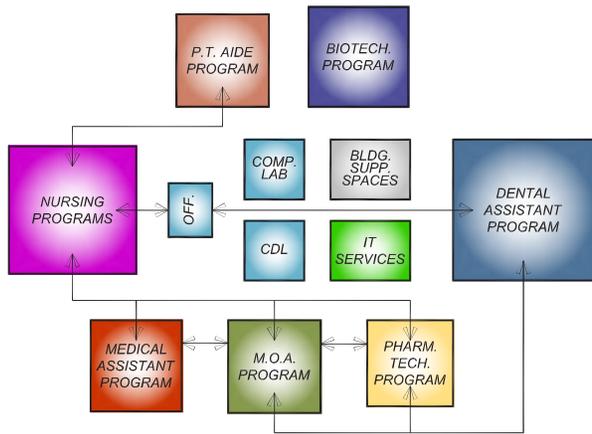
### Equipment (NIC)

- Freezer: (2)
- Refrigerator: (1)
- Autoclave: (1)

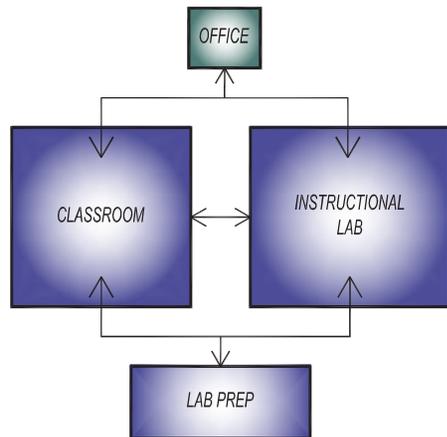
## CLASSROOM / LAB STORAGE & PREP ROOM Biotechnology Program



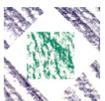
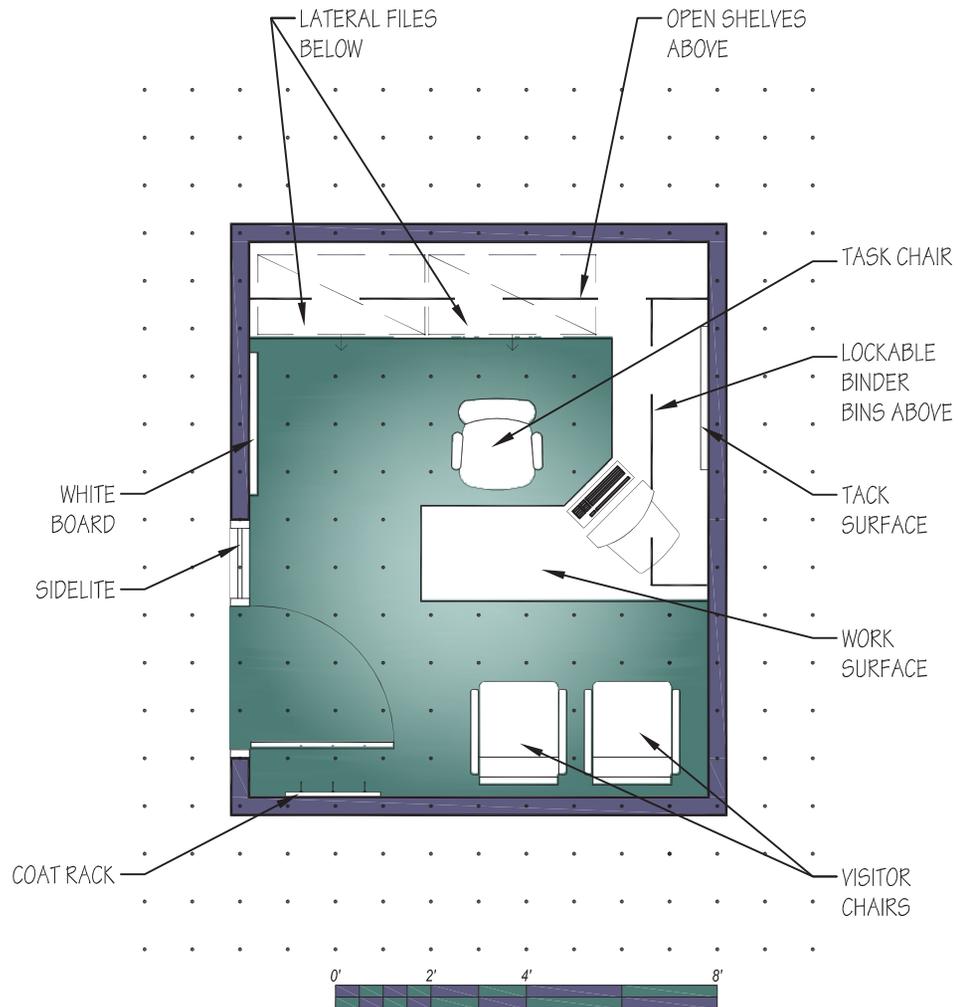
# INDIVIDUAL SPACE DIAGRAMS



*Second Floor Relationship Diagram*



*Biotechnology Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 120 sf
- Subtotal Additional Area: 0 sf
- Total Area: 120 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: Second Floor
- Adjacency: Biotechnology Classroom, Laboratory & Lab Prep Room
- Proximity: Pharmacy Technician, Dental Assistant & Medical Assistant Programs
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical tile ceiling
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Coat Rack: 18x6x<sup>3</sup>/<sub>4</sub> oak plate w/ 2 dbl-prong
- Whiteboard (alum. frame & tray): (1) 48"x48"

### Furnishings

- Work Surface: (1) 24"x60" & (1) 24"x78"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface w/ round end: (1) 24"x36"
- Shelf Unit, 2-shelves high: (2) 14"x48"
- Binder Bin w/ lockable door: (2) 15"x36"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

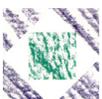
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

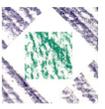
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

- Desktop computer, monitor & combo laser printer / copier / scanner.

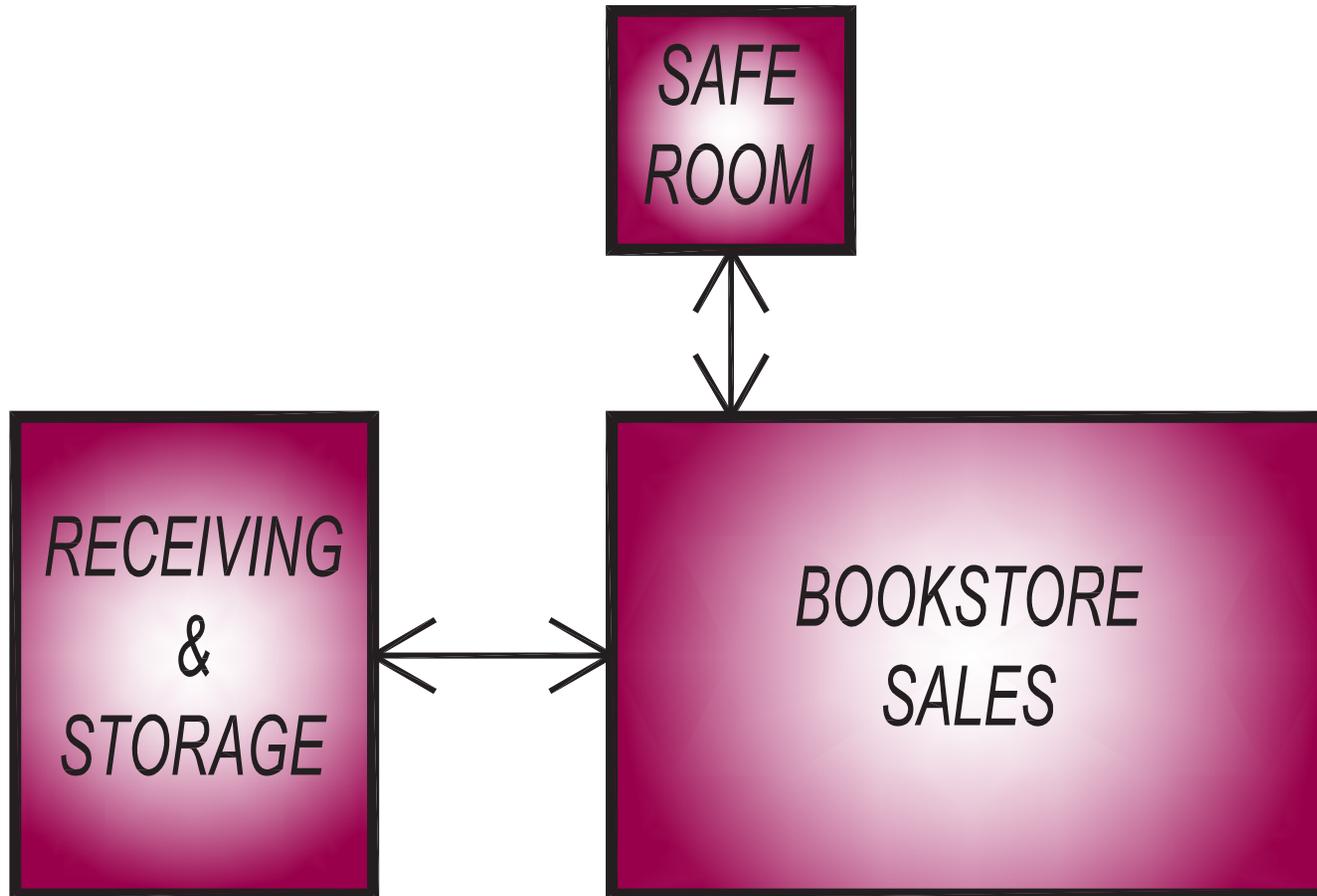




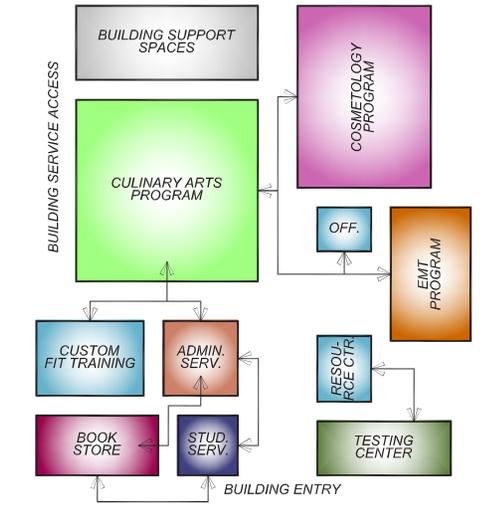
# INDIVIDUAL SPACE REQUIREMENTS



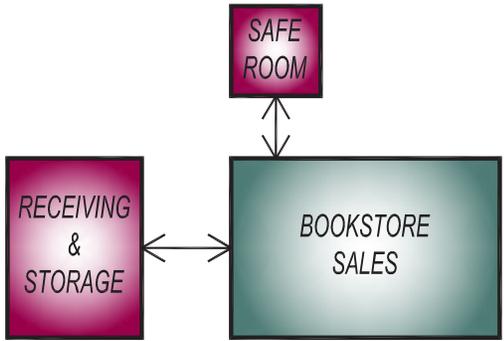
## BOOKSTORE RELATIONSHIP DIAGRAM



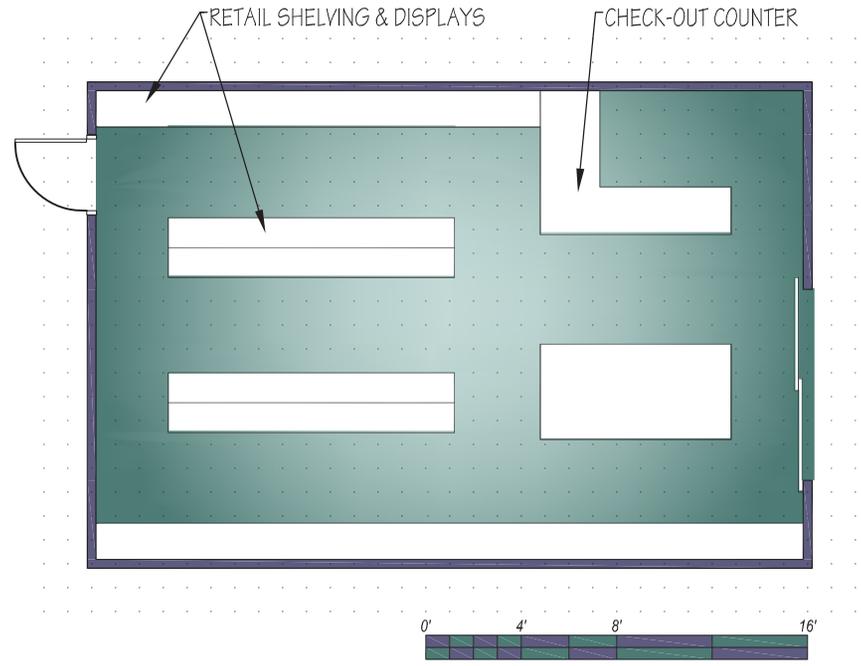
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Bookstore Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Retail
- Number Required: 1
- Number Additional: 1
- Total Number: 2

### Net Area Summary

- Area (each): 600 sf
- Subtotal Required Area: 600 sf
- Subtotal Additional Area: 900 sf
- Total Area: 1,500 sf

### Occupant Summary

- Assigned Occupants: 2
- Visitors: Varies

### Function / Tasks

- Provide a warm and friendly environment for retail sales

### Relationships

- Location: First Floor
- Adjacency: Bookstore Storage & Administrative Services
- Proximity: Main building entry, loading dock
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: Glass, sliding, mall-front door at entry

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- None required.

### Furnishings

- Retail fixtures.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: Two (2) duplex receptacles each wall  
Two (2) four-plex receptacles at checkout

- Data: Two (2) devices at checkout
- Phone: Two (2) devices at checkout

- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

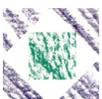
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Accent Light: Track lighting at displays

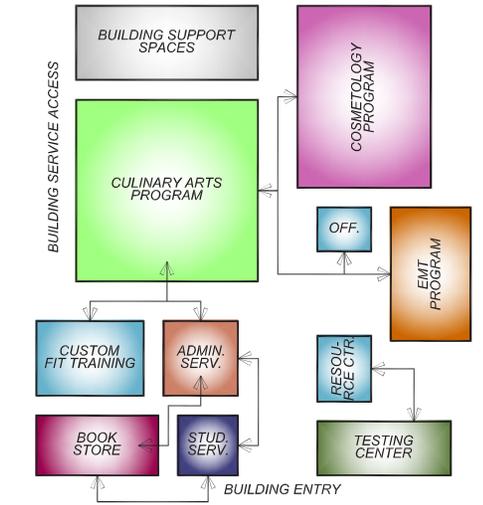
- Foot Candles: 40
- Controls: Occupancy sensor w/ dimming for track lighting

### Equipment (NIC)

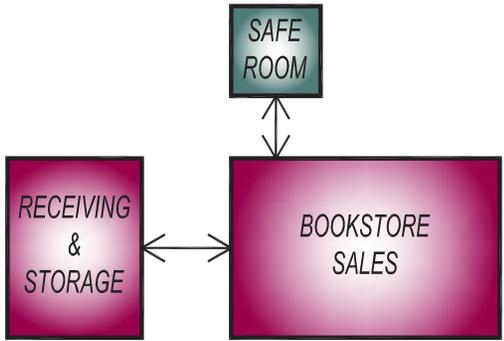
- Desktop computer, monitor, printer/scanner: (1)
- Cash register: (1)
- Credit card reader: (1)



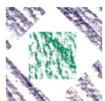
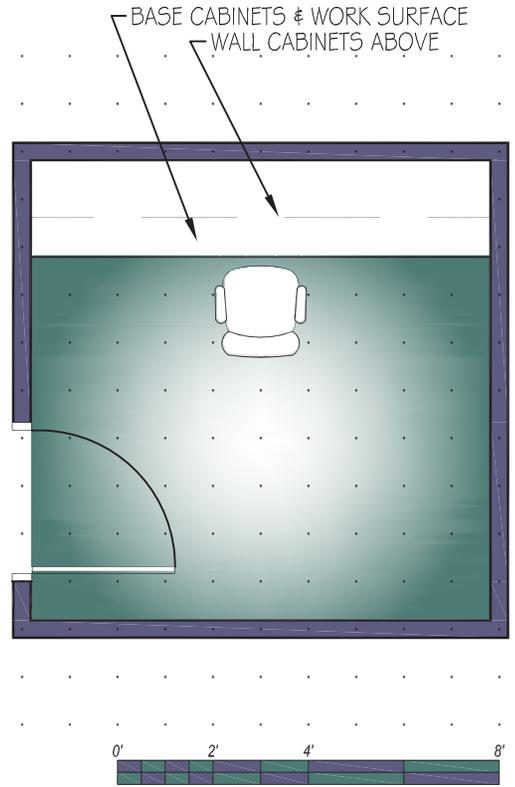
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Bookstore Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Secure Safe Room
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 100 sf
- Subtotal Required Area: 100 sf
- Subtotal Additional Area: 0 sf
- Total Area: 100 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Staff

### Function / Tasks

- Provide safe to secure particular items.

### Relationships

- Location: First Floor
- Adjacency: Bookstore Sales
- Proximity: None required
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Sealed concrete w/ 4' rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Exterior Type: Galvanized hollow core metal double doors, insulated & painted
- Exterior Frame: Galvanized hollow metal, ptd.
- Interior Type: Solid core wood w/ clear finish
- Interior Frame: Painted hollow metal
- Special: Electronic access lock

### Windows

- Natural Light: None required

### Casework / Fixed Equipment

- Wall mounted shelving

### Furnishings

- Safe: (1)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 0.15 CFM/sf (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 74°F
- Winter Design Temp.: 74°F

- Controls: Individual direct digital controls
- Sound Criteria: None required

- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall

- Data: Rough-in for future capacity
- Phone: Rough-in for future capacity

- Video: Rough-in for future capacity
- Intercom: Rough-in for future capacity

### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required

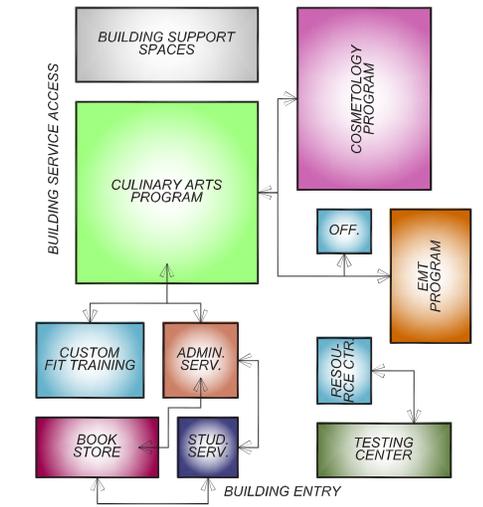
- Foot Candles: 30
- Controls: Occupancy sensor

### Equipment (NIC)

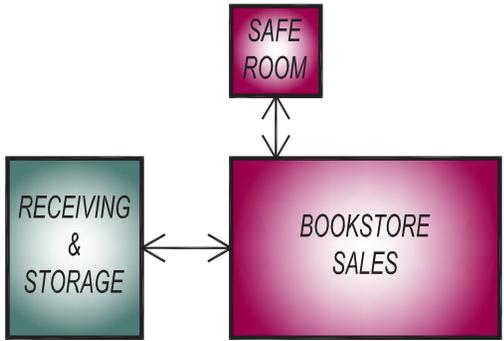
- None required.



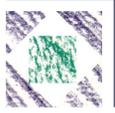
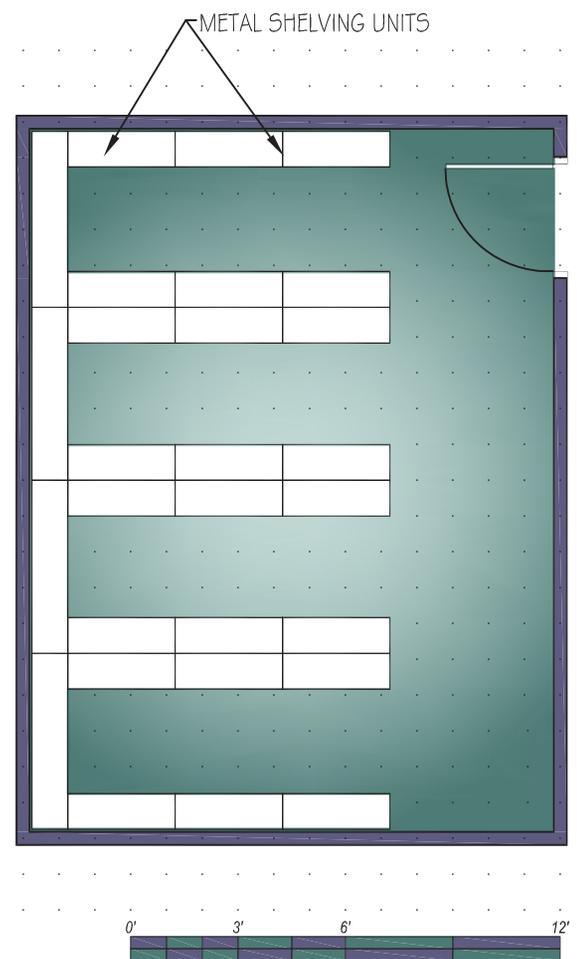
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Bookstore Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Secure Storage
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 300 sf
- Subtotal Required Area: 300 sf
- Subtotal Additional Area: 0 sf
- Total Area: 300 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Staff

### Function / Tasks

- Provide receiving and storage area for product overstock items.

### Relationships

- Location: First Floor
- Adjacency: Bookstore Sales & Loading Dock
- Proximity: None required
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Sealed concrete w/ 4' rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Exterior Type: Galvanized hollow core metal double doors, insulated & painted
- Exterior Frame: Galvanized hollow metal, ptd.
- Interior Type: Solid core wood w/ clear finish
- Interior Frame: Painted hollow metal
- Special: Electronic access lock

### Windows

- Natural Light: None required

### Casework / Fixed Equipment

- Wall mounted shelving
- Shelving Units

### Furnishings

- None required.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 0.15 CFM/sf (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 74°F
- Winter Design Temp.: 74°F

- Controls: Individual direct digital controls
- Sound Criteria: None required

- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall

- Data: Rough-in for future capacity
- Phone: Rough-in for future capacity

- Video: Rough-in for future capacity
- Intercom: Rough-in for future capacity

### Lighting

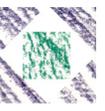
- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required

- Foot Candles: 30
- Controls: Occupancy sensor

### Equipment (NIC)

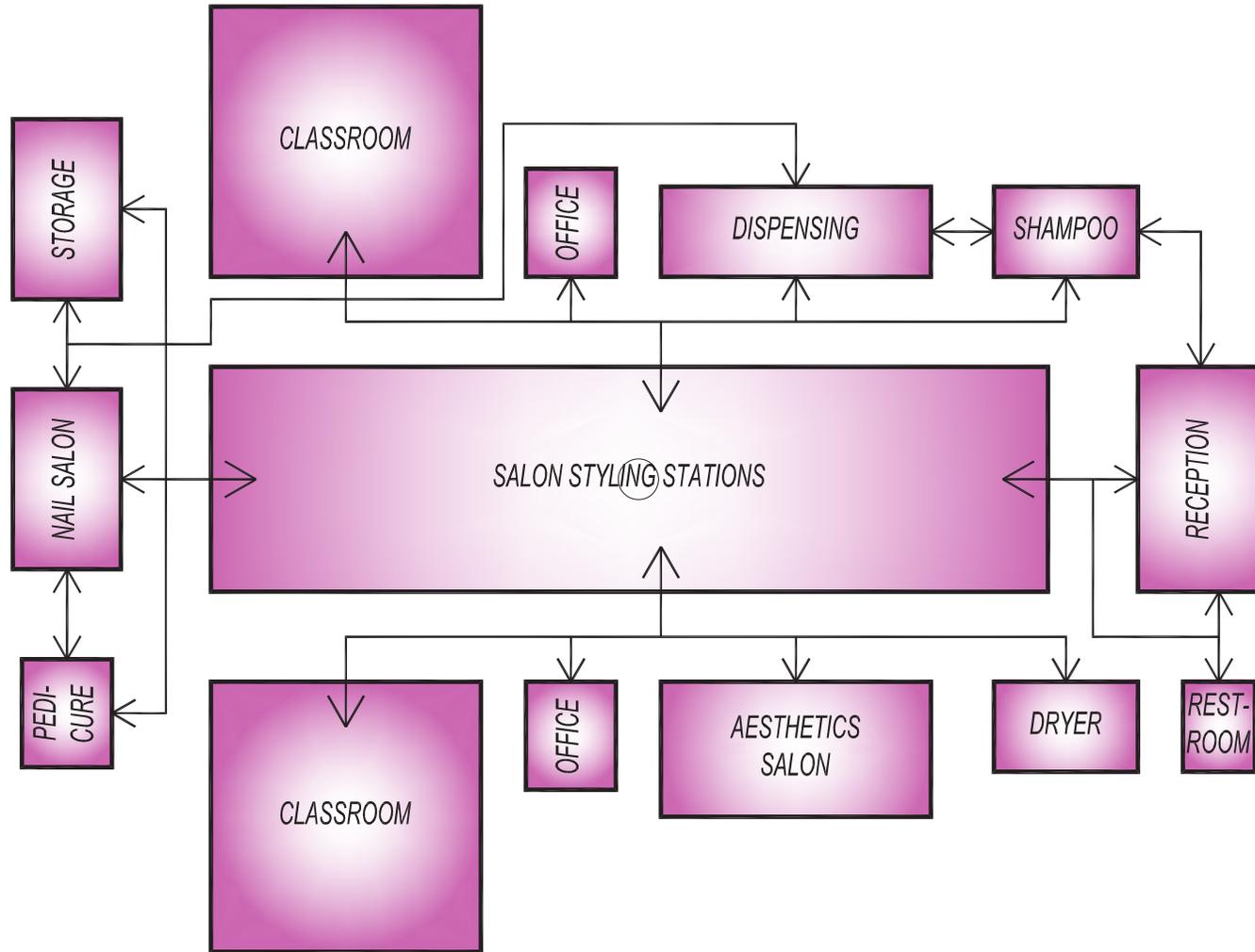
- None required.



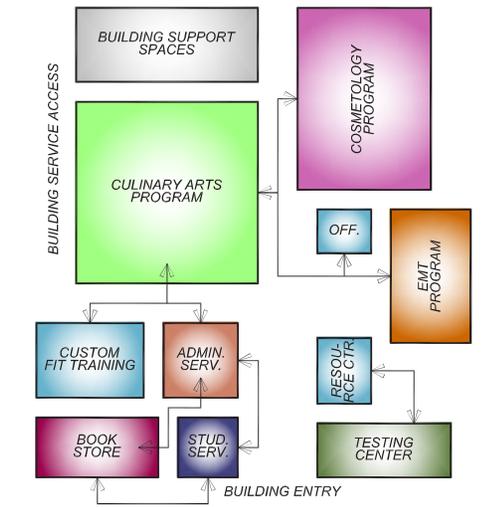


# INDIVIDUAL SPACE REQUIREMENTS

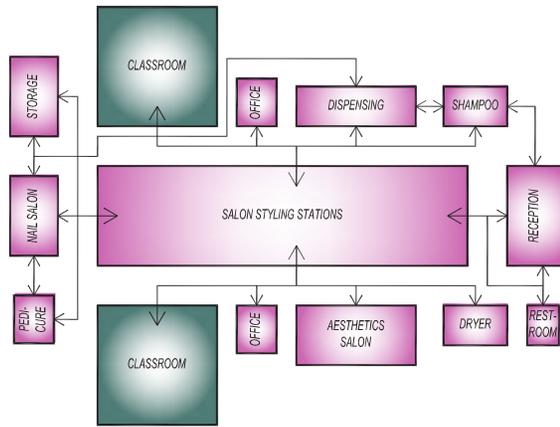
## COSMETOLOGY PROGRAM RELATIONSHIP DIAGRAM



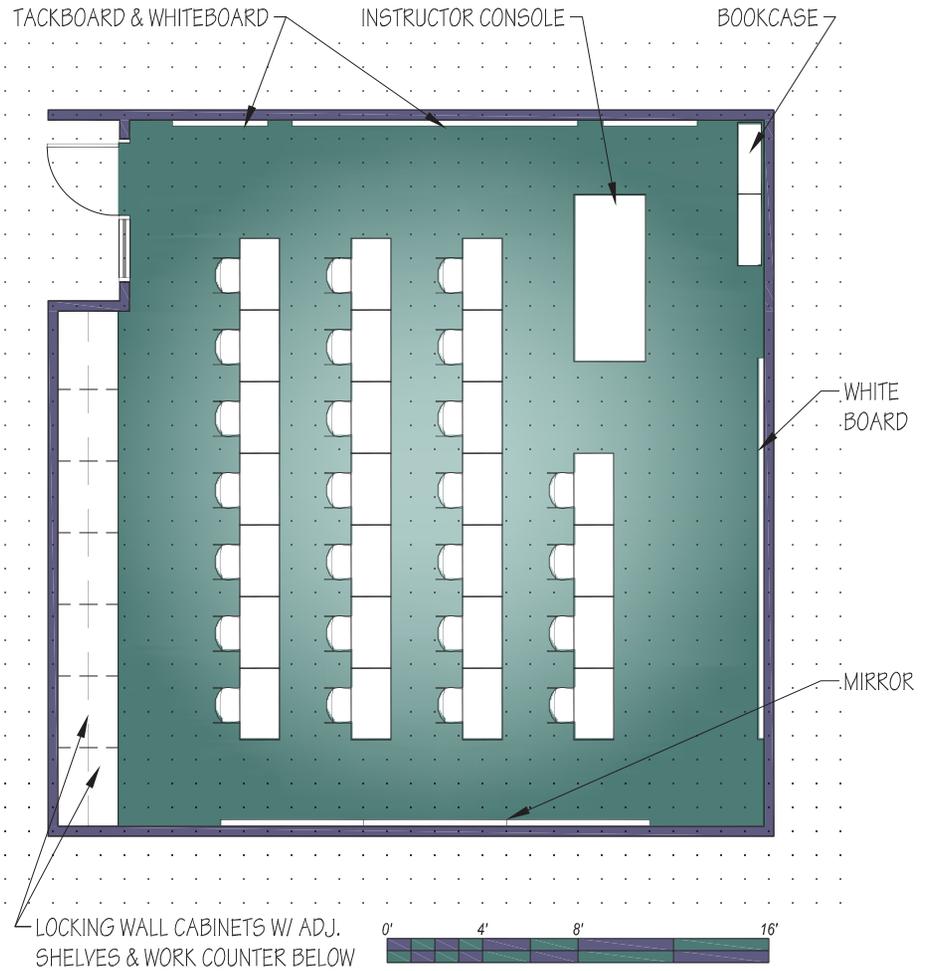
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Cosmetology Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Classroom
• Number Required:	2
• Number Additional:	0
• Total Number:	2

### Net Area Summary

• Area (each):	900 sf
• Subtotal Required Area:	1,800 sf
• Subtotal Additional Area:	0 sf
• Total Area:	1,800 sf

### Occupant Summary

• Student Stations:	25
• Area Per Station:	30 sf

### Function / Tasks

- Provide flexible teaching environment.

### Relationships

• Location:	First Floor
• Adjacency:	Salon & Faculty Office
• Proximity:	Dental Assistant Program
• Separation:	Mechanical & elevator rooms Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Static-free carpet w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x2 acoustical panels
• Sound:	Full sound construction

### Ceiling Height

• Above Finish Floor (min.):	10'-0"
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### Doors

• Type:	Solid-core wood w/ clear finish
• Frame:	Painted hollow metal w/ glazed sidelite
• Special:	Sound isolation

### Windows

• Natural Light:	Required, provide adequate light control for computer & multi-media use
• Type:	Aluminum frame
• Glazing:	Insulated w/ low-e coating
• Interior:	Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

• Instructor console w/ podium	(1) 36"x84"
• Whiteboard w/ map rail & tray:	(2) 168"x48"
• Tackboard w/ frame:	(2) 48"x48"
• Mirrors w/ stainless steel frame:	(3) 72"x48"
• Solid surface work counter:	(21 lf) 30"Dx27"H
• Hdwd. veneer wall cabinet:	(21 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
• Hdwd. veneer bookcase:	(2) 36"Wx12"Dx84"H w/ (5) adjustable shelves & (1) fixed shelf
• Projector mount / ports & cable connection:	(1)
• Clock:	(1)
• Projection screen	(1) 96"W

### Furnishings

• Student table:	(25) 36"Wx24"Dx27"H
• Task chair, armless, swivel, adjustable:	(26)

## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	15 CFM/person (min.)
• Air Circulation:	15 CFM/person (min.)
• Summer Design Temp.:	72°F
• Winter Design Temp.:	72°F
• Controls:	Individual direct digital controls
• Sound Criteria:	≤30 (NC/RC)
• Special Systems:	None required
• Plumbing:	None required

### Electrical

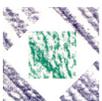
• Power:	Two (2) duplex receptacles per wall & at instructor station Additional capacity for equipment listed
• Data:	Two (2) devices on opposing walls & at instructor station One (1) wireless airport Additional capacity for equipment listed
• Phone:	Two (2) devices on opposing walls & at instructor station
• Video:	A/V system w/ internet connection
• Intercom:	Ceiling speaker

### Lighting

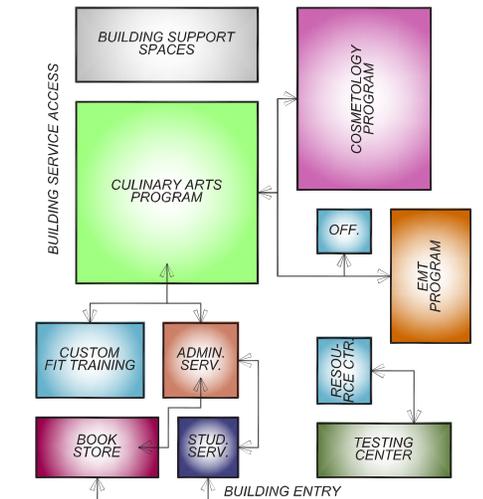
• Fixture Type:	T-5 HO linear indirect pendant
• Task Light:	None required
• Foot Candles:	40-45
• Controls:	Occupancy sensor

### Equipment (NIC)

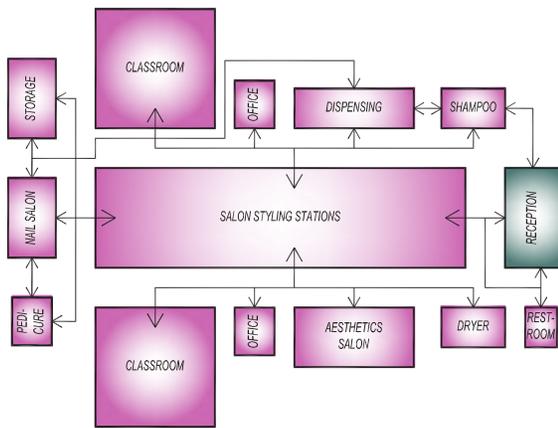
• Elmo desktop presentation unit:	(1)
• Desktop computer, monitor, printer/scanner:	(1)
• Capacity for 25 laptop computers; video monitors; overhead, opaque, slide & film projectors; & audio devices.	



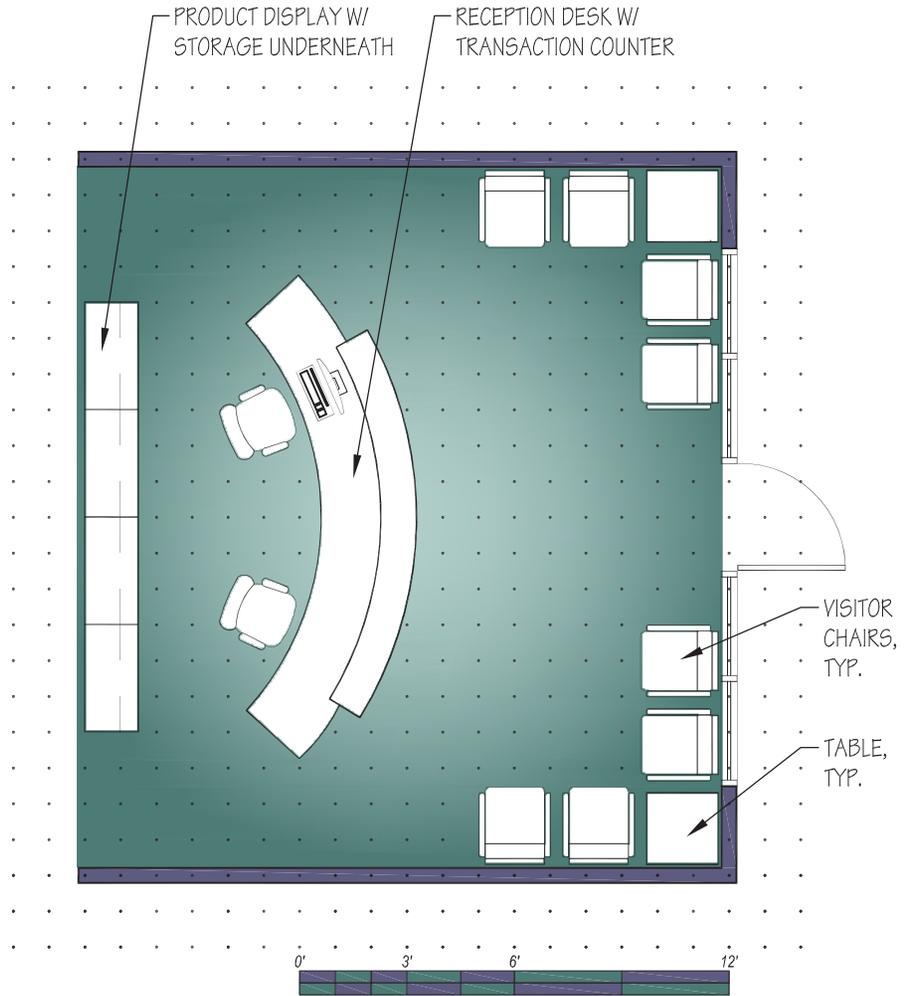
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Cosmetology Relationship Diagram



## SALON RECEPTION & WAITING AREA Cosmetology Program

# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 360 sf
- Subtotal Required Area: 360 sf
- Subtotal Additional Area: 0 sf
- Total Area: 360 sf

### Occupant Summary

- Assigned Occupants: 2
- Visitors: 4-6

### Function / Tasks

- Provide a comfortable & relaxing waiting area for salon patrons.
- Provide a professional reception work space for the salon.

### Relationships

- Location: First Floor
- Adjacency: Building Entry, Salon & Restroom
- Proximity: Classroom & Faculty Office
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Exterior: Aluminum & glass storefront
- Special: None required

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Reception desk: (12 lf) 30"Dx27"H  
hdwd. veneer w/ solid surface countertop
- Transaction counter: (8 lf) 12"Dx34"H  
hdwd. veneer w/ solid surface countertop
- Open display cabinet: (4) 36"Wx15"Dx72"H  
hdwd. veneer w/ (5) adjustable glass shelves

### Furnishings

- Upholstered lounge chair w/ arms: (6)
- Wood magazine table w/ shelf: (3) 24"x24"
- Task chair, armless, swivel, adjustable: (2)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall  
Two (2) four-plex receptacles at reception desk

- Data: Two (2) devices at reception desk
- Phone: Two (2) devices at reception desk

- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

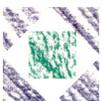
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Accent Light: Track lighting at display

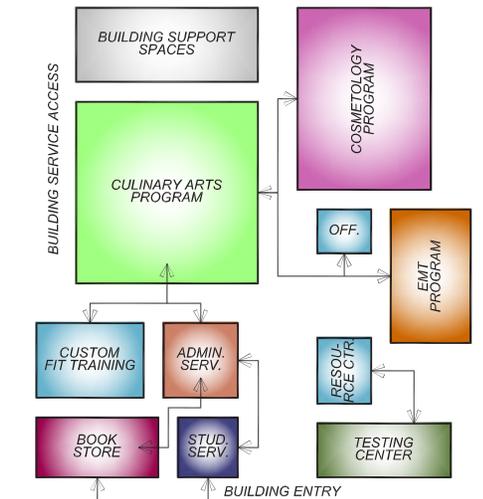
- Foot Candles: 40
- Controls: Occupancy sensor  
w/ dimming for track lighting

### Equipment (NIC)

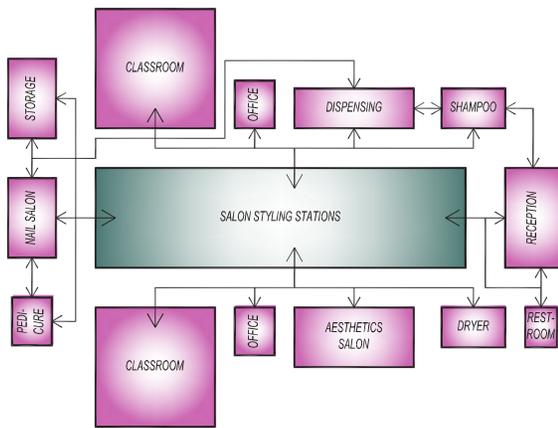
- Desktop computer, monitor, printer/scanner: (1)
- Cash register: (1)
- Credit card reader: (1)



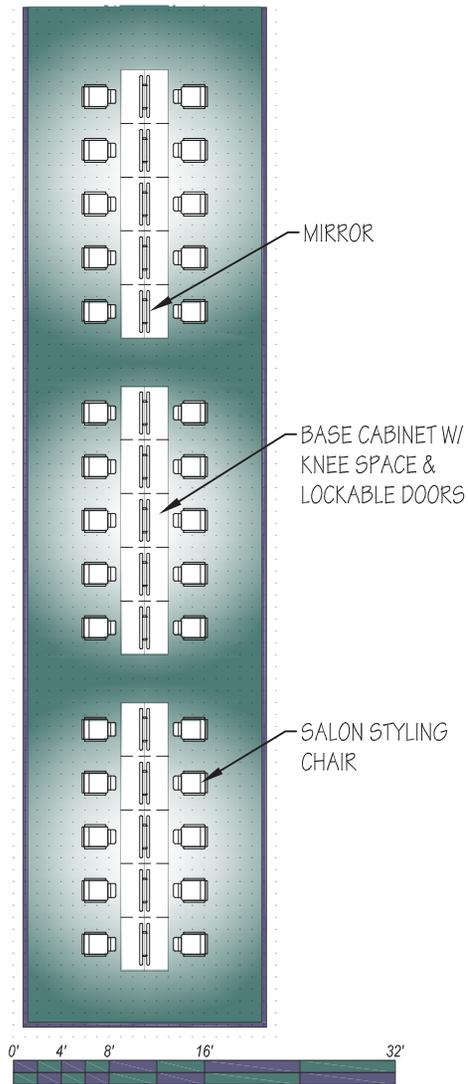
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Cosmetology Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Instructional Lab
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	1,800 sf
• Subtotal Required Area:	1,800 sf
• Subtotal Additional Area:	0 sf
• Total Area:	1,800 sf

### Occupant Summary

• Student Stations:	30
• Area Per Station:	60 sf

### Function / Tasks

- Provide a professional salon setting where students learn and practice their skills.

### Relationships

• Location:	First Floor
• Adjacency:	Reception, Dryer & Shampoo Areas, Public Restroom, Dispensing Room
• Proximity:	Classroom & Faculty Office
• Separation:	Mechanical & elevator rooms Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Epoxy w/ 4" epoxy base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x2 acoustical panels
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	10'-0"
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### Doors

• Type:	Solid core wood w/ clear finish
• Frame:	Painted hollow metal w/ glazed sidelite
• Special:	None required

### Windows

• Natural Light:	Desirable
• Type:	Aluminum frame
• Glazing:	Insulated w/ low-e coating

### Casework / Fixed Equipment

• Styling work station:	(30) 60"Wx24"Dx34"H Hdwd. veneer w/ solid surface countertop w/ (2) stacked 24"Wx15"Hx24"D cabinets w/ lockable doors, attached 36"Wx72"H partition & 36"Wx48"H mirror
• Clock:	(1)

### Furnishings

• Upholstered salon chair w/ arms:	(30) height adjustable & swivel
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## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	25 CFM/person (min.)
• Air Circulation:	100% Exhaust
• Summer Design Temp.:	72°F
• Winter Design Temp.:	72°F
• Controls:	Individual direct digital controls
• Sound Criteria:	≤45 (NC/RC)
• Special Systems:	None required
• Plumbing:	None required

### Electrical

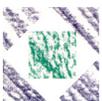
• Power:	Two (2) duplex receptacles per wall One (1) four-plex receptacle at each station Additional capacity for equipment listed
• Data:	Two (2) devices per wall One (1) device at each station
• Phone:	Two (2) devices per wall
• Video:	Rough-in for future capacity
• Intercom:	Ceiling speaker
• Sound System:	Central control, speakers

### Lighting

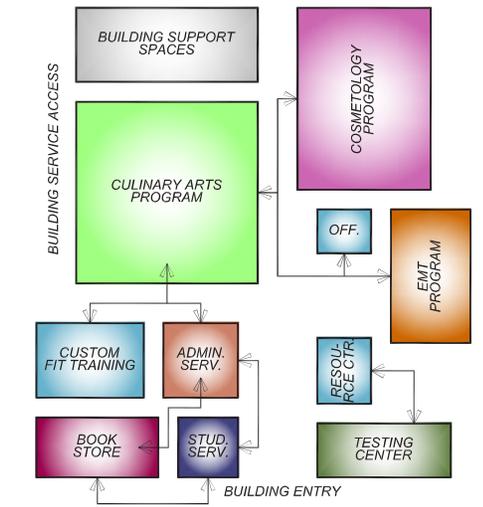
• Fixture Type:	T-8 Fluorescent lay-in
• Task Light:	None required
• Foot Candles:	50
• Controls:	Relay

### Equipment (NIC)

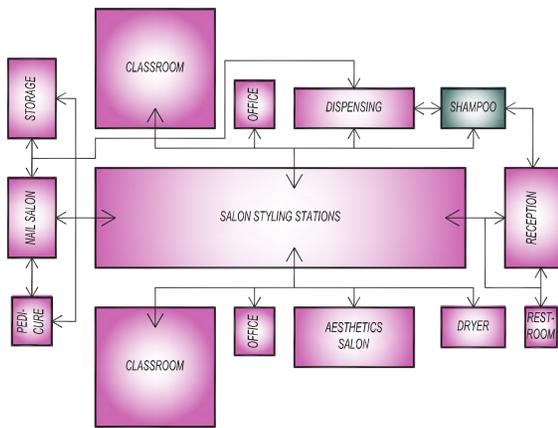
• Capacity at each styling station for equipment listed: blow dryer, curling iron, crimper, smoother, flat iron and clippers	(1)
• Sound system:	(1)



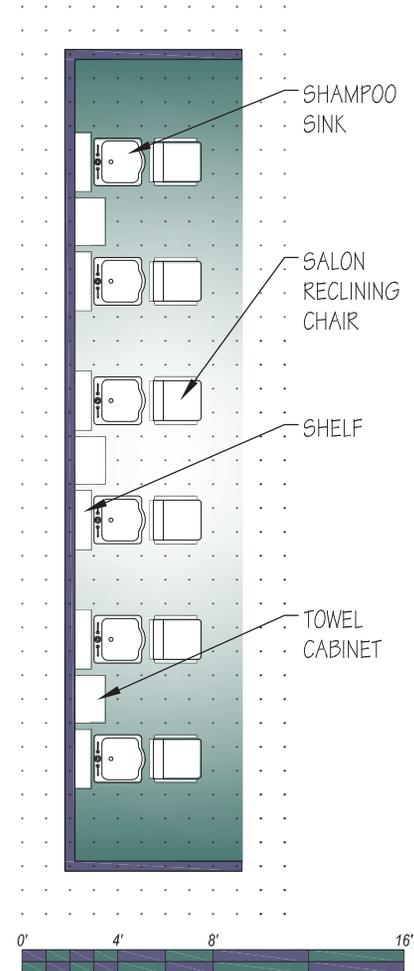
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Cosmetology Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 240 sf
- Subtotal Required Area: 240 sf
- Subtotal Additional Area: 0 sf
- Total Area: 240 sf

### Occupant Summary

- Student Stations: 6
- Area Per Station: 40 sf

### Function / Tasks

- Provide a specialized environment for students to learn and practice their skills.

### Relationships

- Location: First Floor
- Adjacency: Salon, Reception & Dryer Area
- Proximity: Dispensing Room, Public Restroom & Supply Storage
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Epoxy w/ 4" epoxy base
- Walls: Epoxy painted gypsum board w/ 60" high solid surface wainscot
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- None required

### Windows

- Natural Light: None required

### Casework / Fixed Equipment

- P. lam. cabinet 18"Wx15"Dx72"H (2)  
Bottom: 36" high, lockable cabinet w/ doors & (2) adjustable shelves  
Above: 36" high, open cabinet w/ (2) adjustable shelves & top
- P. lam. wall-mounted shelf 9"Dx24"W: (4)

### Furnishings

- Upholstered reclining salon chair w/ arms: (4)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 25 CFM/person
- Air Circulation: 100% exhaust
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤45 (NC/RC)

- Special Systems: None required
- Plumbing: 4 commercial shampoo sinks, Floor drain, water, waste & venting

### Electrical

- Power: One (1) duplex receptacle per station

- Data: None required
- Phone: None required

- Video: None required
- Intercom: Ceiling speaker
- Sound System: Central control, speakers

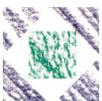
### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required

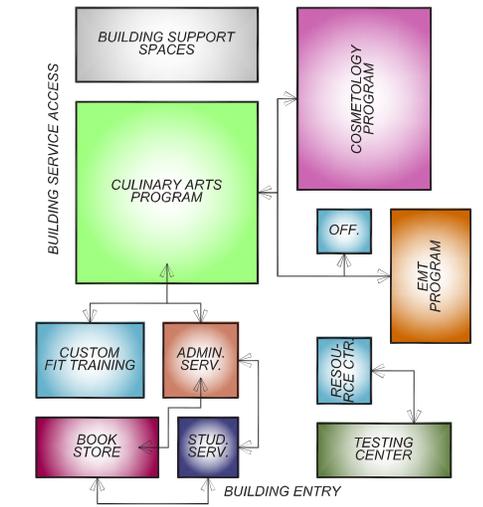
- Foot Candles: 40
- Controls: Relay

### Equipment (NIC)

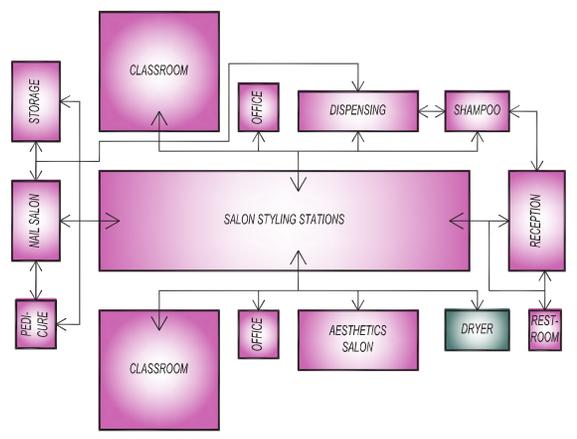
- None required.



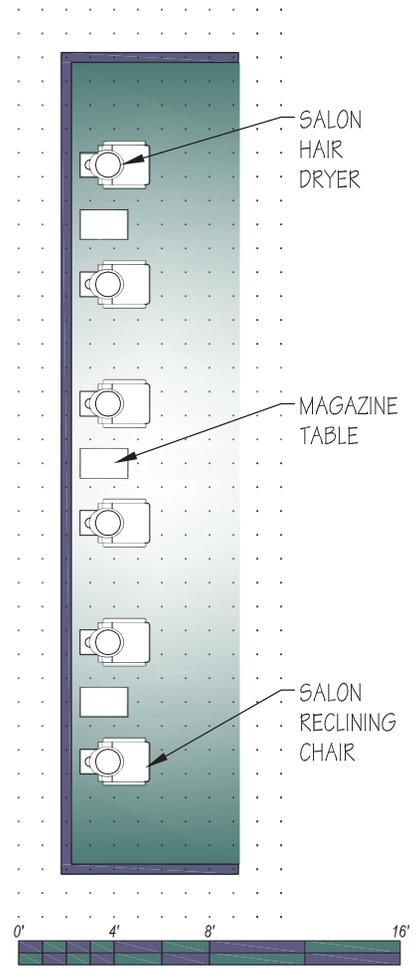
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Cosmetology Relationship Diagram



## SALON DRYER AREA Cosmetology Program

# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 240 sf
- Subtotal Required Area: 240 sf
- Subtotal Additional Area: 0 sf
- Total Area: 240 sf

### Occupant Summary

- Student Stations: 6
- Area Per Station: 40 sf

### Function / Tasks

- Provide a specialized environment for students to learn and practice their skills.

### Relationships

- Location: First Floor
- Adjacency: Salon, Reception & Shampoo Area
- Proximity: Dispensing Room, Public Restroom
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Epoxy w/ 4" epoxy base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- None required

### Windows

- Natural Light: None required

### Casework / Fixed Equipment

- None required

### Furnishings

- Upholstered salon chair w/ arms: (4)
- Wood magazine table w/ shelf: (2) 24"x24"

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 25 CFM/person
- Air Circulation: 100% exhaust
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤45 (NC/RC)

- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle per station on dedicated circuit

- Data: None required
- Phone: None required

- Video: None required
- Intercom: Ceiling speaker
- Sound System: Central control, speakers

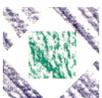
### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required

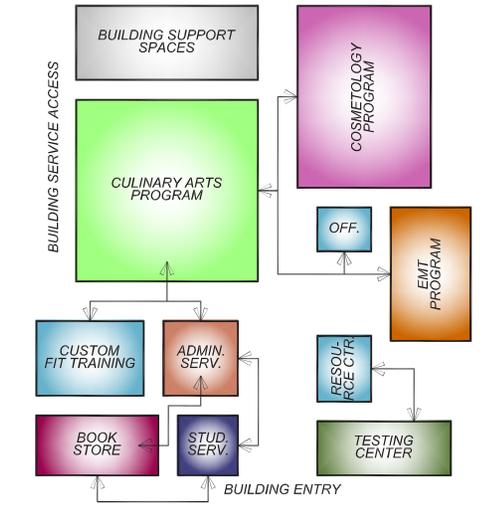
- Foot Candles: 40
- Controls: Relay

### Equipment (NIC)

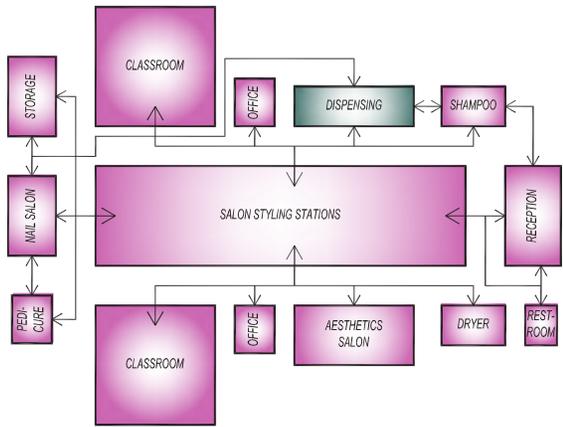
- Commercial salon hair dryers: (4)
- Waxers



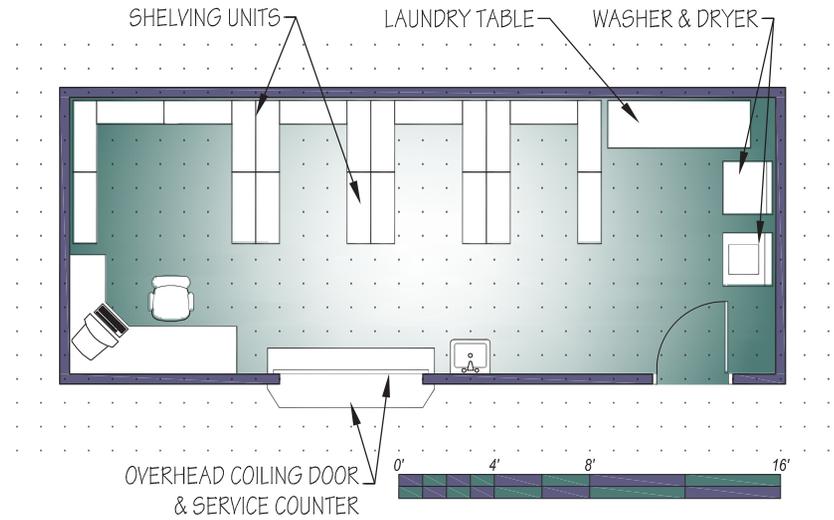
# INDIVIDUAL SPACE DIAGRAMS



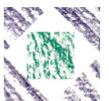
*First Floor Relationship Diagram*



*Cosmetology Relationship Diagram*



## SALON DISPENSING ROOM Cosmetology Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Enclosed Work / Storage Room
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 300 sf
- Subtotal Required Area: 300 sf
- Subtotal Additional Area: 0 sf
- Total Area: 300 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty & Students

### Function / Tasks

- Provide a work area for mixing & dispensing products & distributing supplies.
- Provide storage space for salon products & supplies.

### Relationships

- Location: First Floor
- Adjacency: Salon
- Proximity: Nail Salon, Aesthetic Rooms
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Epoxy w/ 4" epoxy base
- Walls: Epoxy painted gypsum board w/ 60" high solid surface wainscot on wet walls
- Ceiling: Suspended 2x4 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: 96"Wx96"H overhead coiling door

### Windows

- Natural Light: None required

### Casework / Fixed Equipment

- P. Lam. storage shelf: (21) 36"Wx12"Dx84"H w/ (5) adjustable shelves, (1) fixed shelf
- Clock: (1)

### Furnishings

- Work Surface: (1) 24"x48" & (1) 24"x24"
- Work Surface, angled corner: (1) 24"x36"
- Keyboard Shelf: (1) pull-out
- Task Chair w/ arms, adjustable: (1) 20"x20"
- Waste Can: (1) 14" diameter
- Folding Table

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 0.15 CFM/SF (min.)
- Air Circulation: 100% Exhaust
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: Dryer exhaust
- Plumbing: Hand-wash sink, floor drain  
Gas, water, waste & vent

### Electrical

- Power: One (1) duplex receptacle each wall  
One (1) four-plex receptacle at workstation  
Additional capacity for equipment listed
- Data: Two (2) devices at workstation
- Phone: One (1) device at workstations
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

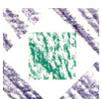
### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Task Light: Required at work surfaces
- Foot Candles: 30 general / 50 task
- Controls: Relay

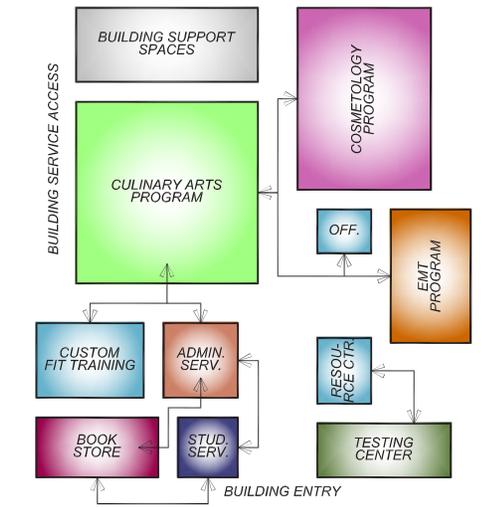
### Equipment (NIC)

- Desktop computer, monitor, printer / scanner.
- Washer & dryer.

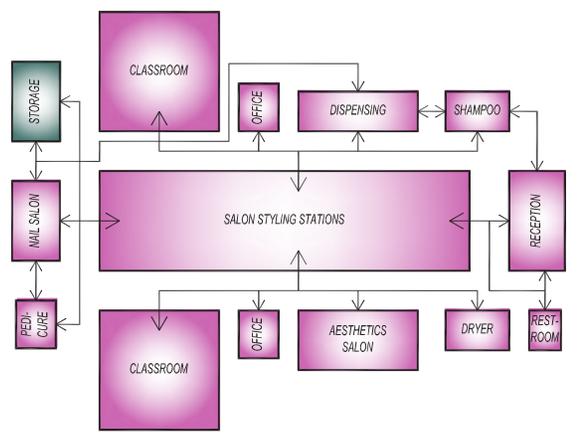
## SALON DISPENSING ROOM Cosmetology Program



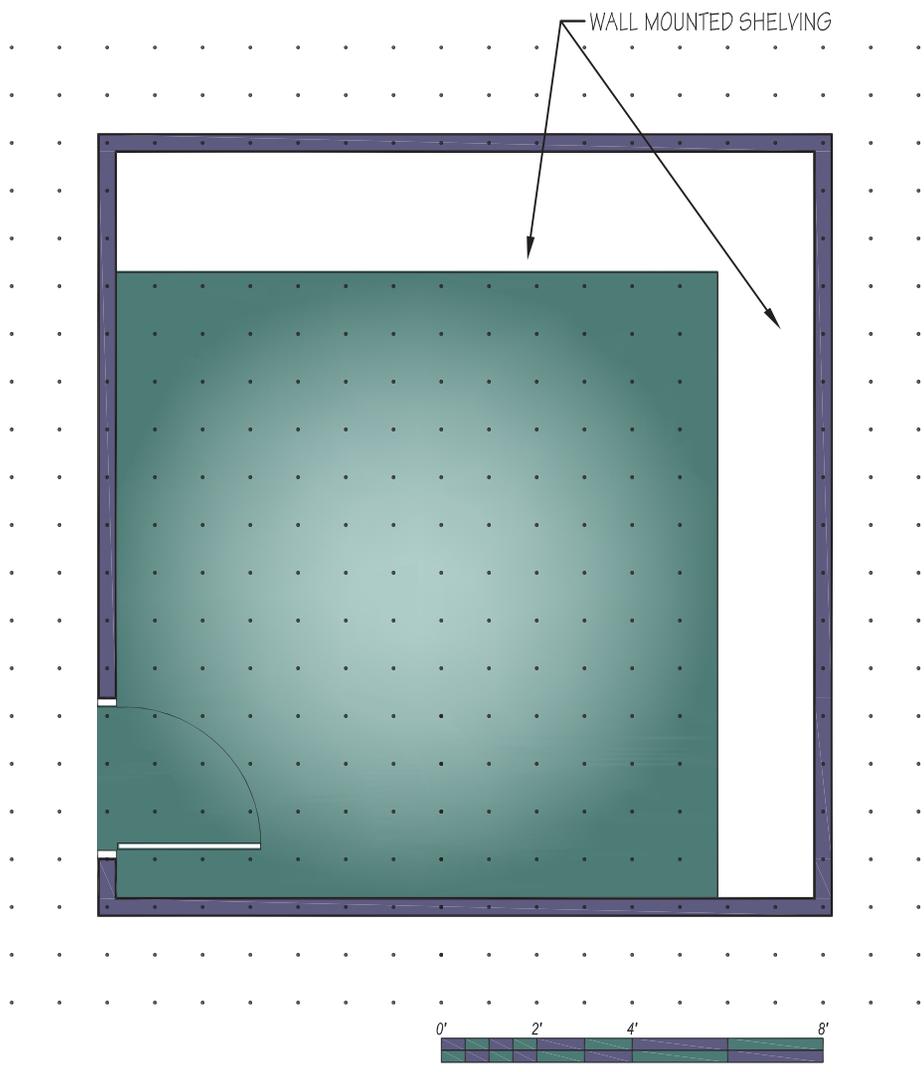
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Cosmetology Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Secure Storage
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	240 sf
• Subtotal Required Area:	240 sf
• Subtotal Additional Area:	0 sf
• Total Area:	240 sf

### Occupant Summary

• Assigned Occupants:	0
• Users:	Faculty

### Function / Tasks

- Provide space for cleaning supply & equipment storage & bulk product storage.

### Relationships

• Location:	First Floor
• Adjacency:	Salon
• Proximity:	Dispensing Room, Nail Salon & Aesthetic Rooms
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Epoxy w/ 4" epoxy base
• Walls:	Epoxy painted gypsum board w/ 60" high solid surface wainscot on wet walls
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

• Type:	Solid core wood w/ clear finish
• Frame:	Painted hollow metal
• Special:	None required

### Windows

• Natural Light:	None required
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### Casework / Fixed Equipment

• Wall-mounted shelving:	(12 lf) 30"Dx84"H P. lam. w/ (8) adjustable shelves
• Wall-mounted shelving:	(12 lf) 24"Dx84"H P. lam. w/ (8) adjustable shelves

### Furnishings

• None required.
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## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	0.15 CFM/SF (min.)
• Air Circulation:	100% Exhaust

• Summer Design Temp.:	74°F
• Winter Design Temp.:	74°F

• Controls:	Individual direct digital controls
• Sound Criteria:	None required

• Special Systems:	None required
• Plumbing:	Mop sink, floor drain Water, waste & vent

### Electrical

• Power:	One (1) duplex receptacle each wall
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• Data:	Rough-in for future capacity
• Phone:	Rough-in for future capacity

• Video:	Rough-in for future capacity
• Intercom:	Rough-in for future capacity

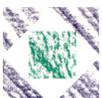
### Lighting

• Fixture Type:	T-8 Fluorescent lay-in
• Task Light:	None required

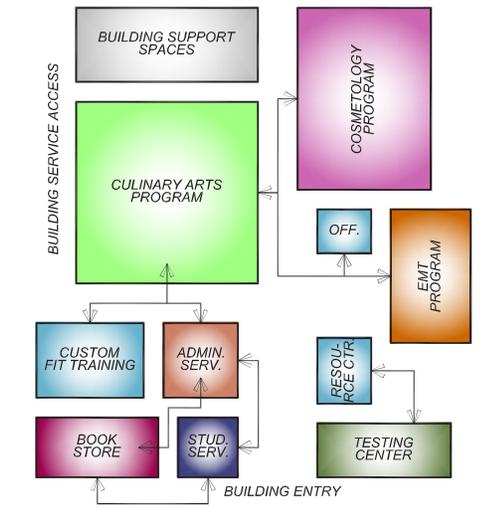
• Foot Candles:	30
• Controls:	Occupancy sensor

### Equipment (NIC)

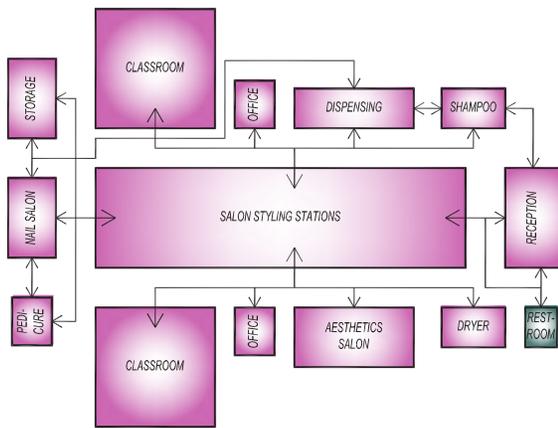
• None required.
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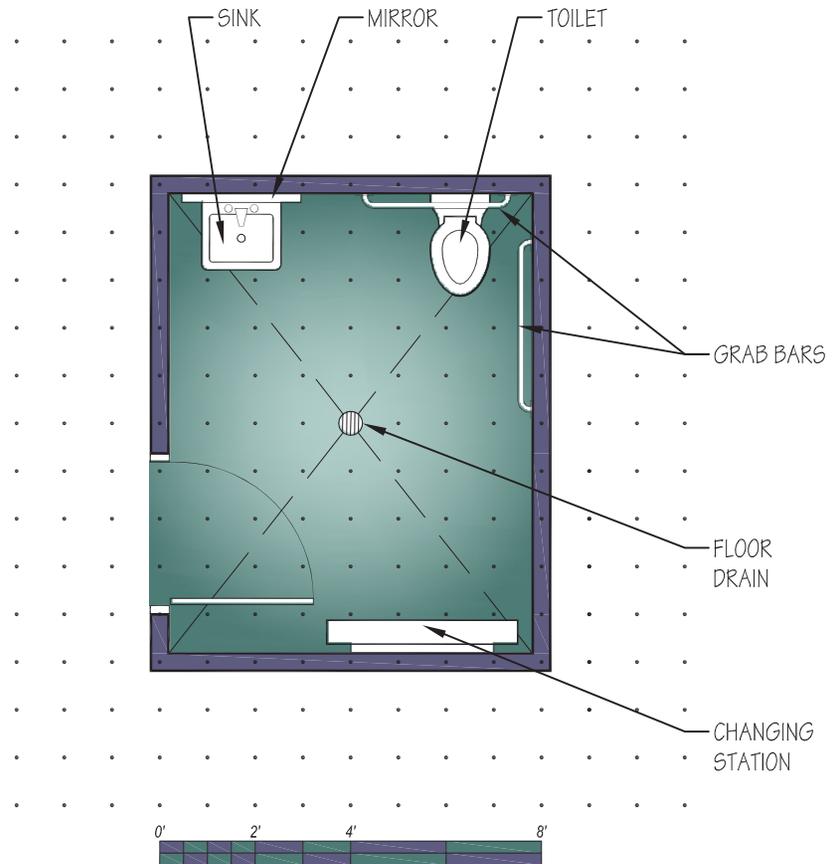
# INDIVIDUAL SPACE DIAGRAMS



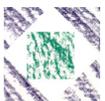
*First Floor Relationship Diagram*



*Cosmetology Relationship Diagram*



## SALON PUBLIC UNISEX RESTROOM Cosmetology Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Enclosed
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	80 sf
• Subtotal Required Area:	80 sf
• Subtotal Additional Area:	0 sf
• Total Area:	80 sf

### Occupant Summary

• Assigned Occupants:	0
• Users:	Faculty / Students / Patrons

### Function / Tasks

- Provide a unisex restroom for student & patron convenience.

### Relationships

• Location:	First Floor
• Adjacency:	Reception, Salon Nail Salon & Aesthetics Rooms
• Proximity:	Cosmetology Classroom & Faculty Office
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Ceramic tile w/ 4" ceramic tile base
• Walls:	Ceramic tile
• Ceiling:	Suspended gypsum board w/ acoustical tile
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

• Type:	Solid core wood w/ clear finish
• Frame:	Painted hollow metal
• Special:	None required

### Windows

• Natural Light:	None required
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### Casework / Fixed Equipment

• Water closet:	(1)
• Lavatory w/ built-in base cabinet:	(1) 3 lf
• Mirror w/ stainless steel shelf:	(1) 30"x48"
• Fold-up baby changing station:	(1)
• Grab bars, stainless steel:	As required
• Dispensers for paper towels, soap, toilet paper, sanitary napkins:	As required
• Waste receptacles, stainless steel:	(1)
• Changing Station	

### Furnishings

• None required	
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## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	75 CFM/WC or Urinal
• Air Circulation:	100% Exhaust

• Summer Design Temp.:	72°F
• Winter Design Temp.:	72°F

• Controls:	Individual direct digital controls
• Sound Criteria:	≤40 (NC/RC)

• Special Systems:	5 Minute air changes (min.)
• Plumbing:	Floor drain, water, waste & vent

### Electrical

• Power:	One (1) GFCI duplex receptacle
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• Data:	None required
• Phone:	None required

• Video:	None required
• Intercom:	Ceiling speaker

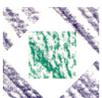
### Lighting

• Fixture Type:	T-8 Fluorescent
• Task Light:	None required

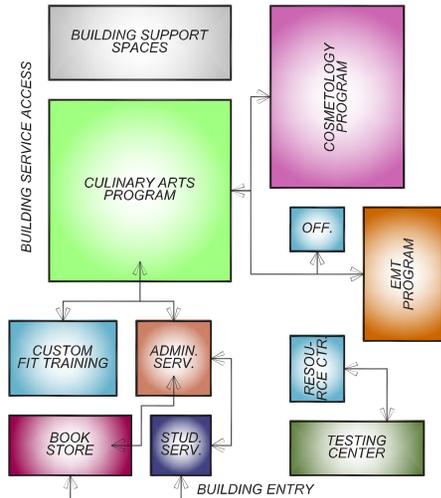
• Foot Candles:	30
• Controls:	Occupancy sensor

### Equipment (NIC)

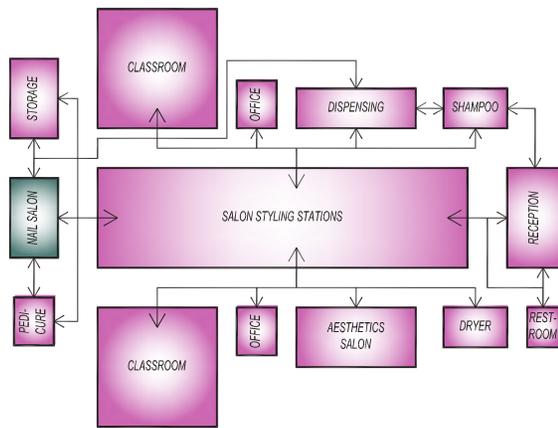
• None required.	
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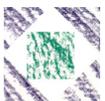
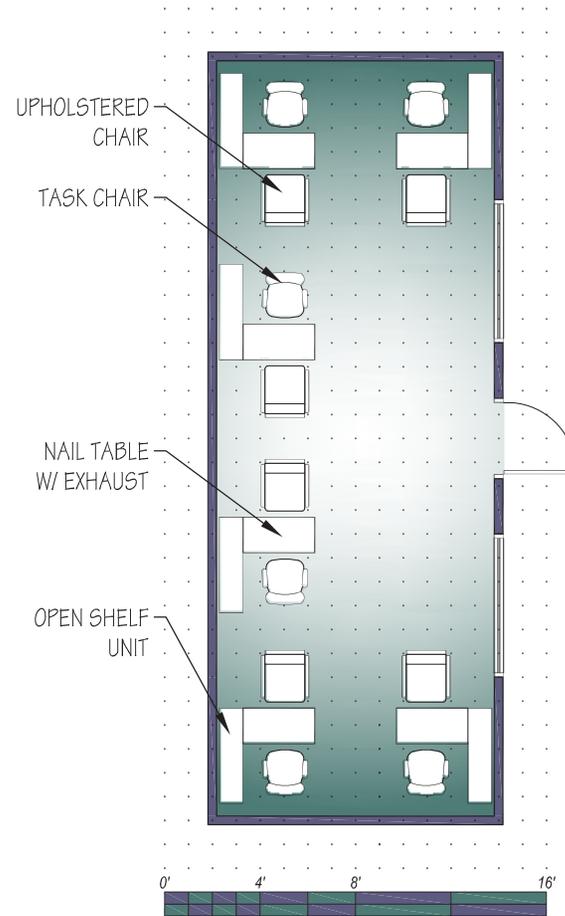
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Cosmetology Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 360 sf
- Subtotal Required Area: 360 sf
- Subtotal Additional Area: 0 sf
- Total Area: 360 sf

### Occupant Summary

- Student Stations: 6
- Area Per Station: 60 sf

### Function / Tasks

- Provide a professional setting where students learn and practice their skills.

### Relationships

- Location: First Floor
- Adjacency: Reception, Salon, Pedicure Room & Public Restroom,
- Proximity: Dispensing Room
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Epoxy w/ 4" epoxy base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: None required

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- P. lam. cabinet 48"Wx15"Dx30"H w/ lockable doors & (2) adjustable shelves (4)
- Clock: (1)

### Furnishings

- Manicure table w/ exhaust: (4)
- Task chair w/ arms, adjustable: (4) 20"x20"
- Upholstered side chair: (4) 27"x28"
- Waste Can: (4) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 25 CFM/person (min.)
- Air Circulation: 100% Exhaust

- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)

- Special Systems: Local exhaust at stations
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacles per wall  
One (1) four-plex receptacle per station  
Additional capacity for equipment listed

- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls

- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Task Light: Required at stations

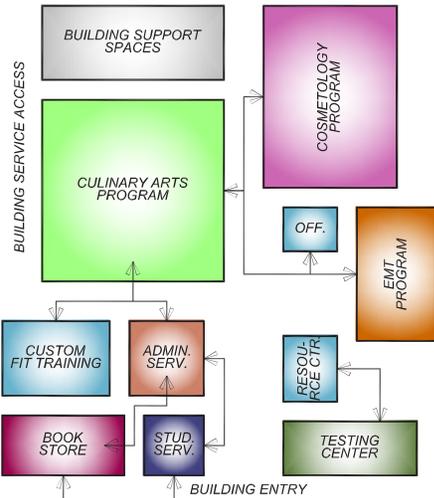
- Foot Candles: 30 general / 50 task
- Controls: Relay

### Equipment (NIC)

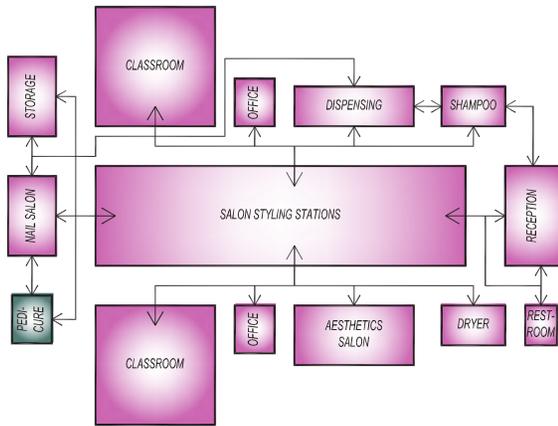
- Dremal: (6)
- Air brush



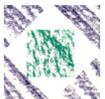
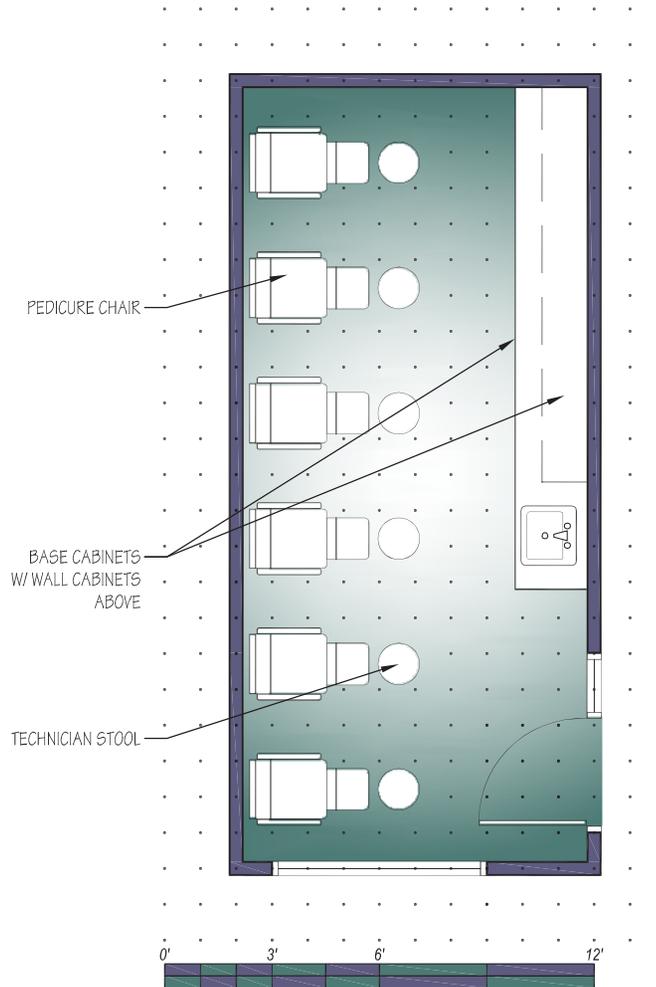
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Cosmetology Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 210 sf
- Subtotal Required Area: 210 sf
- Subtotal Additional Area: 0 sf
- Total Area: 210 sf

### Occupant Summary

- Student Stations: 0
- Area Per Station: 35 sf

### Function / Tasks

- Provide a professional setting where students learn and practice their skills.

### Relationships

- Location: First Floor
- Adjacency: Salon & Nail Salon
- Proximity: Dispensing Room, Reception & Public Restroom
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Epoxy w/ 4" epoxy base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: None required

### Windows

- Natural Light: None required
- Interior: Painted H.M. frame w/ 1/4" glazing

### Casework / Fixed Equipment

- P. lam. base cabinet: (8 lf) 24"Dx36"H w/ solid surface countertop, lockable doors & adjustable shelf
- P. lam. wall cabinet: (5 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Clock: (1)

### Furnishings

- Pedicure chair w/ foot rest: (4)
- Foot soak: (4)
- Task chair w/ arms, adjustable: (4) 20"x20"
- Waste Can: (4) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 25 CFM/person (min.)
- Air Circulation: 100% Exhaust

- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)

- Special Systems: Local exhaust at stations
- Plumbing: Handwash at chairs, water, waste, vent

### Electrical

- Power: One (1) duplex receptacles per wall  
One (1) four-plex receptacle per station  
Additional capacity for equipment listed

- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls

- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

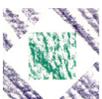
### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Task Light: Required at stations

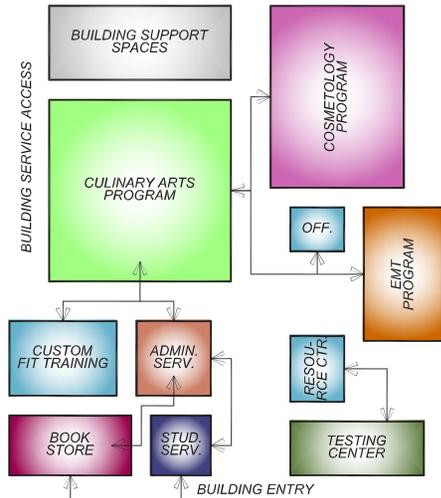
- Foot Candles: 30 general / 50 task
- Controls: Relay

### Equipment (NIC)

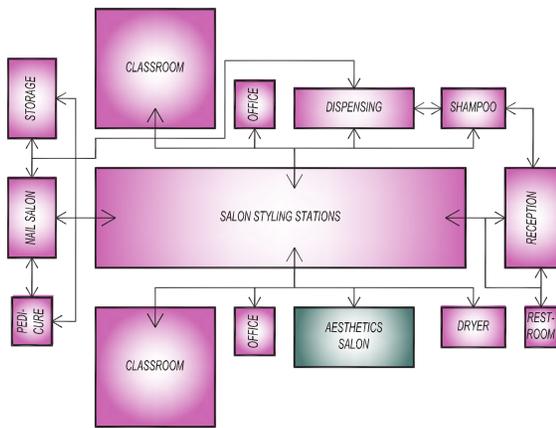
- Dremal: (6)



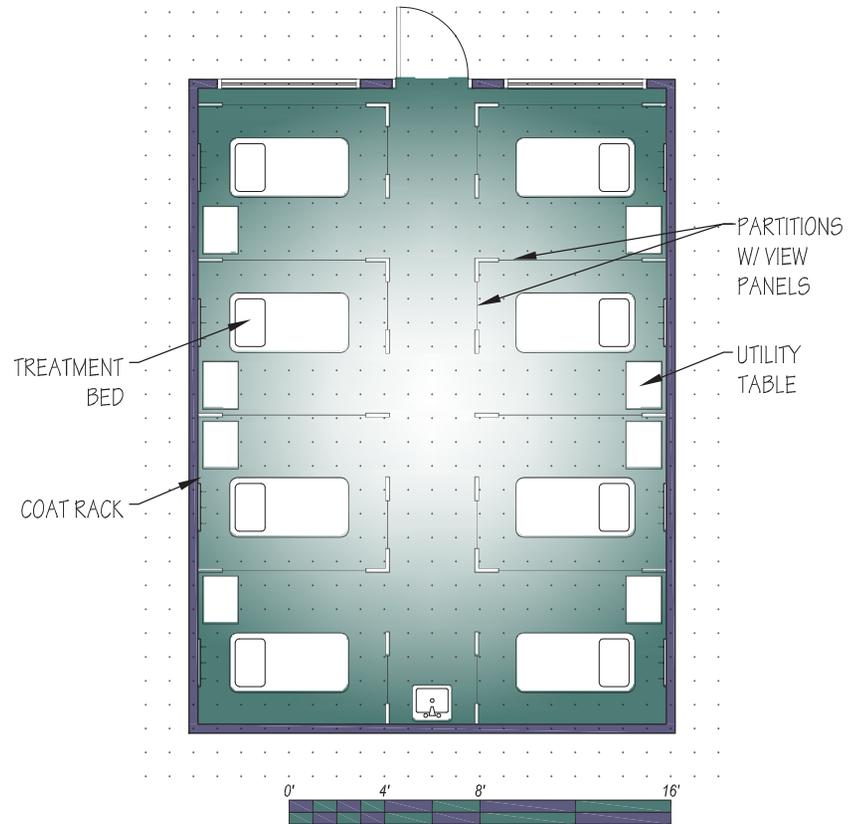
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Cosmetology Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 540 sf
- Subtotal Required Area: 540 sf
- Subtotal Additional Area: 0 sf
- Total Area: 540 sf

### Occupant Summary

- Student Stations: 8
- Area Per Station: 60 sf

### Function / Tasks

- Provide a professional setting where students can learn and practice their skills.

### Relationships

- Location: First Floor
- Adjacency: Salon & Reception
- Proximity: Dispensing Room & Public Restroom
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: None required
- Interior: Painted H.M. frame w/ 1/4" glazing

### Casework / Fixed Equipment

- Coat Rack: (8) 18x6x3/4 oak plate 2 dbl-prong
- Clock: (1)

### Furnishings

- Cubicle partition w/ windows: (8) 48 SFx66"H
- Commercial massage table: (8)
- Rolling side table: (8)
- Waste Can: (8) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 25 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 74°F
- Winter Design Temp.: 74°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)

- Special Systems: None required
- Plumbing: Hand wash sink  
Water, waste & vent

### Electrical

- Power: One (1) duplex receptacle per wall  
One (1) four-plex receptacle per station  
Additional capacity for equipment listed

- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls

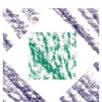
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

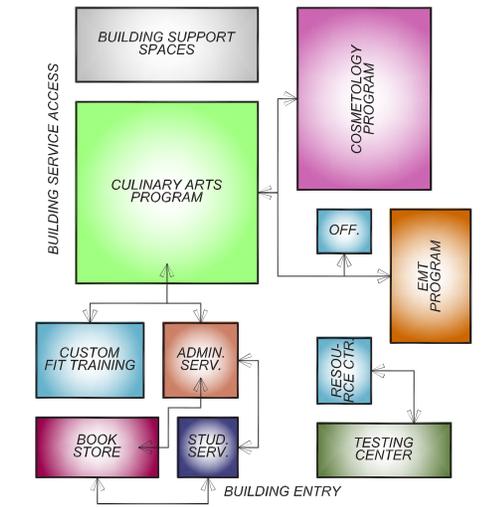
- Fixture Type: T-8 Fluorescent lay-in  
w/ dimming ballast
- Task Light: None required
- Foot Candles: 40
- Controls: Relay w/ dimming

### Equipment (NIC)

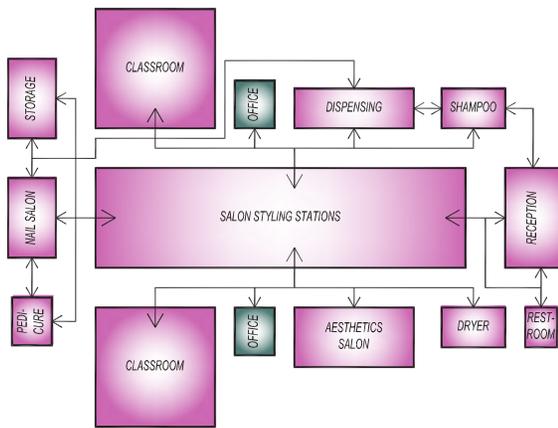
- High frequency microderm abrasion skin brush: (8)



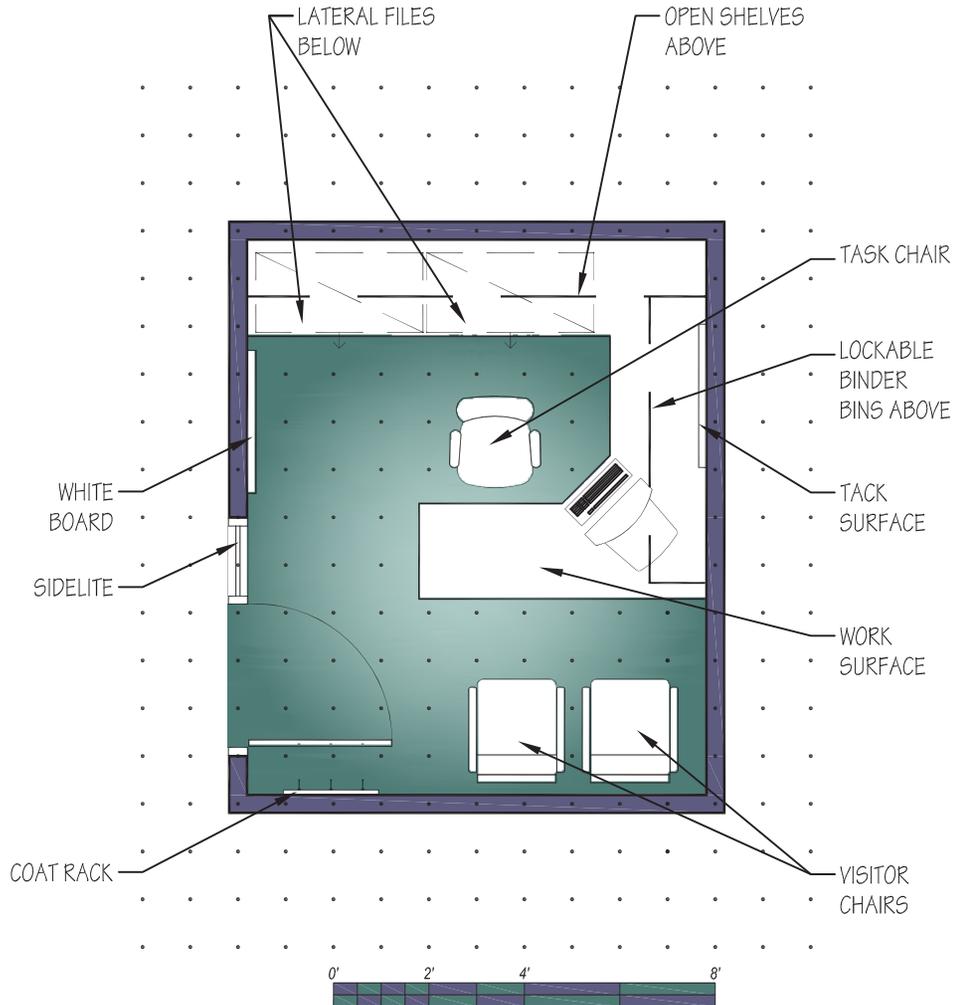
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Cosmetology Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 2
- Number Additional: 0
- Total Number: 2

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 240 sf
- Subtotal Additional Area: 0 sf
- Total Area: 240 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: Salon & Classroom
- Proximity: Dental Assistant Program
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical tile ceiling
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ 1/4" glazing

### Casework / Fixed Equipment

- Coat Rack: 18x6x<sup>3</sup>/<sub>4</sub> oak plate w/ 2 dbl-prong
- Whiteboard (alum. frame & tray): (1) 48"x48"

### Furnishings

- Work Surface: (1) 24"x60" & (1) 24"x78"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface w/ round end: (1) 24"x36"
- Shelf Unit, 2-shelves high: (2) 14"x48"
- Binder Bin w/ lockable door: (2) 15"x36"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

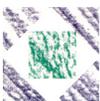
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

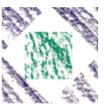
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

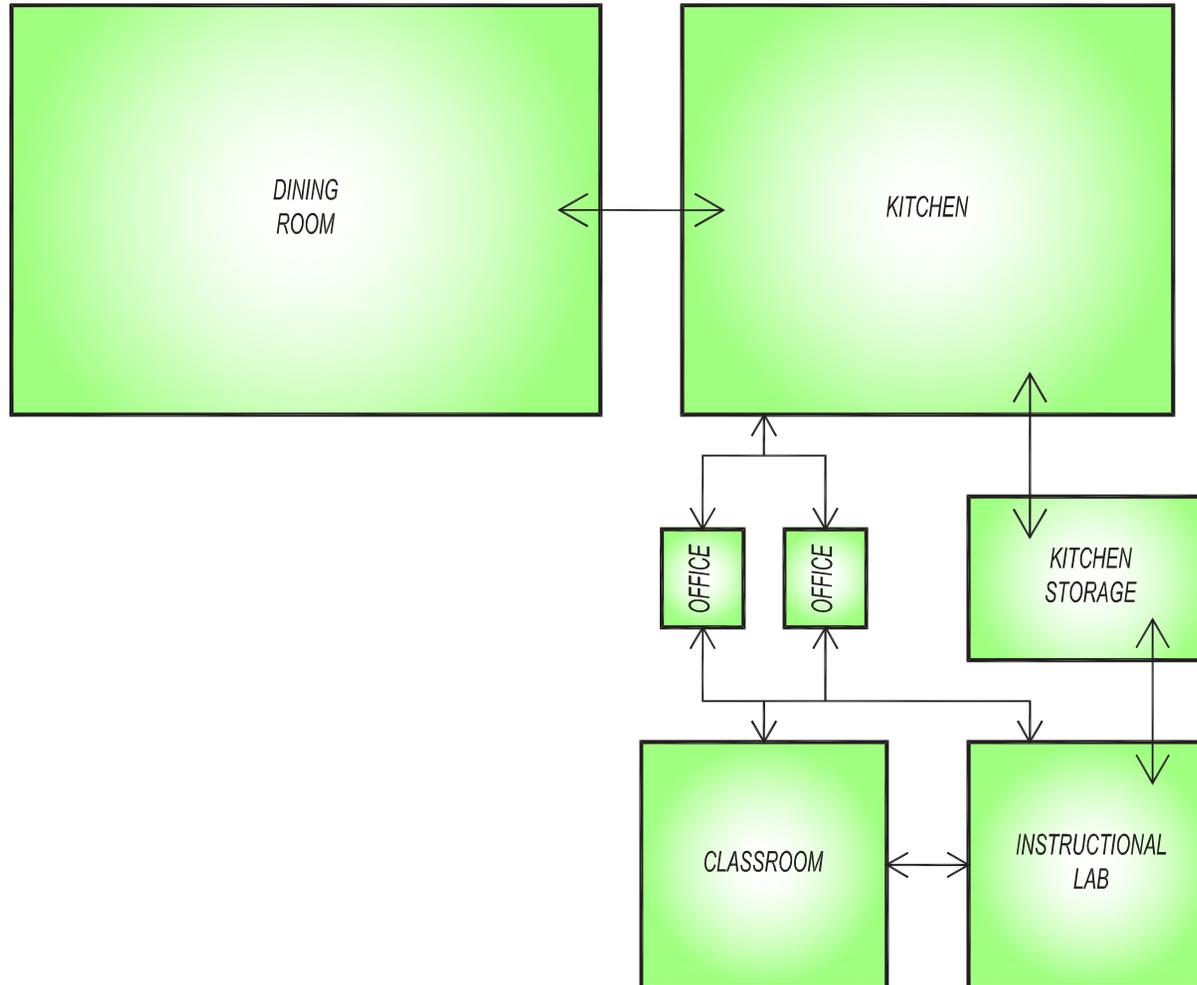
- Desktop computer, monitor & combo laser printer / copier / scanner.



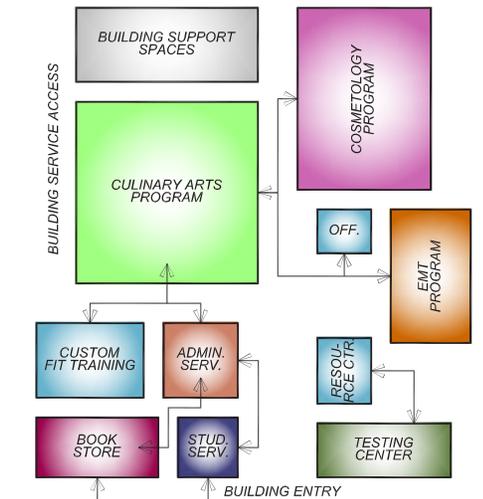


# INDIVIDUAL SPACE REQUIREMENTS

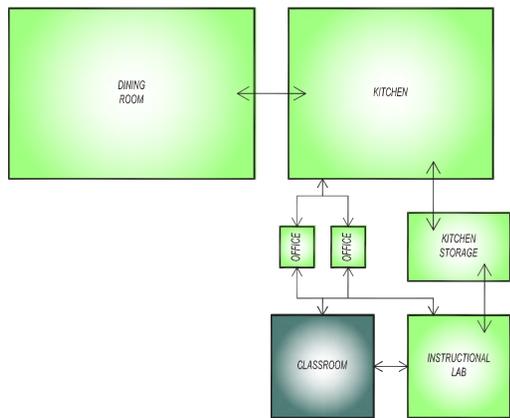
## CULINARY ARTS PROGRAM RELATIONSHIP DIAGRAM



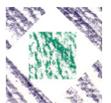
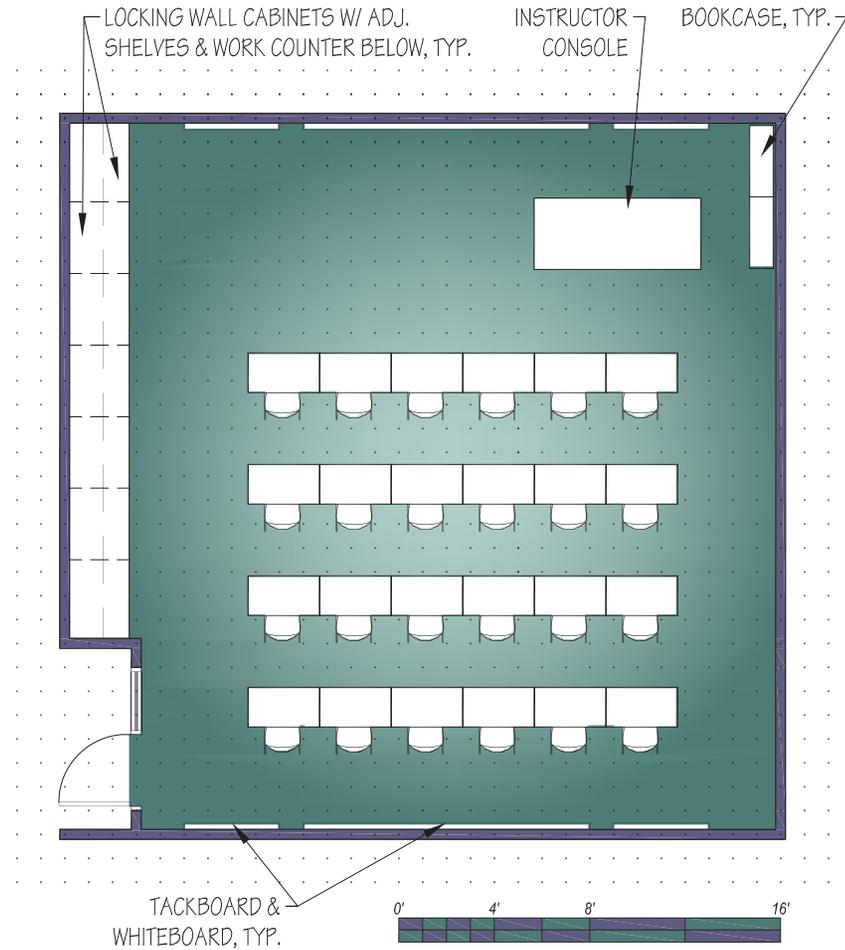
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Culinary Arts Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Classroom
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 900 sf
- Subtotal Required Area: 900 sf
- Subtotal Additional Area: 0 sf
- Total Area: 900 sf

### Occupant Summary

- Student Stations: 25
- Area Per Station: 30 sf

### Function / Tasks

- Provide flexible teaching environment

### Relationships

- Location: First Floor
- Adjacency: Culinary Arts Instructional Lab  
Faculty Office
- Proximity: Kitchen & Dining Room
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required, provide adequate light control for computer & multi-media use
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Instructor console w/ podium (1) 36"x84"
- Whiteboard w/ map rail & tray: (2) 168"x48"
- Tackboard w/ frame: (2) 48"x48"
- Solid surface work counter: (21 lf) 30"Dx27"H
- Hdwd. veneer wall cabinet: (21 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Hdwd. veneer bookcase: (2) 36"Wx12"Dx84"H w/ (5) adjustable shelves & (1) fixed shelf
- Projector mount / ports & cable connection: (1)
- Clock: (1)
- Projection screen: (1) 96"W

### Furnishings

- Student table: (25) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (26)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

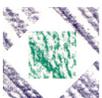
- Power: Two (2) duplex receptacles per wall & at instructor station  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls & at instructor station  
One (1) wireless airport  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls & at instructor station
- Video: A/V system w/ internet connection
- Intercom: Ceiling speaker

### Lighting

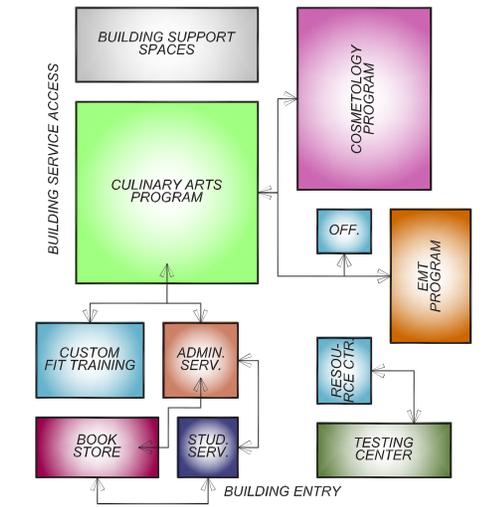
- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

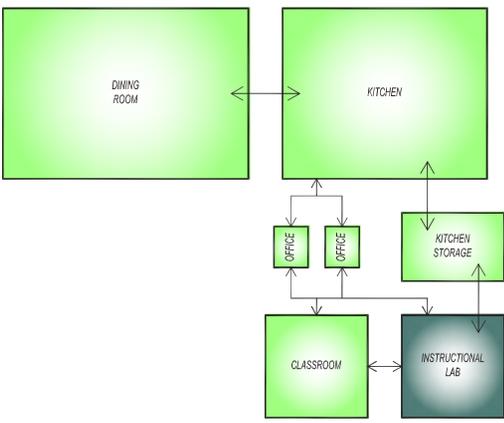
- Elmo desktop presentation unit: (1)
- Desktop computer, monitor, printer/scanner: (1)
- Capacity for 25 laptop computers; video monitors; overhead, opaque, slide & film projectors; & audio devices.



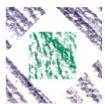
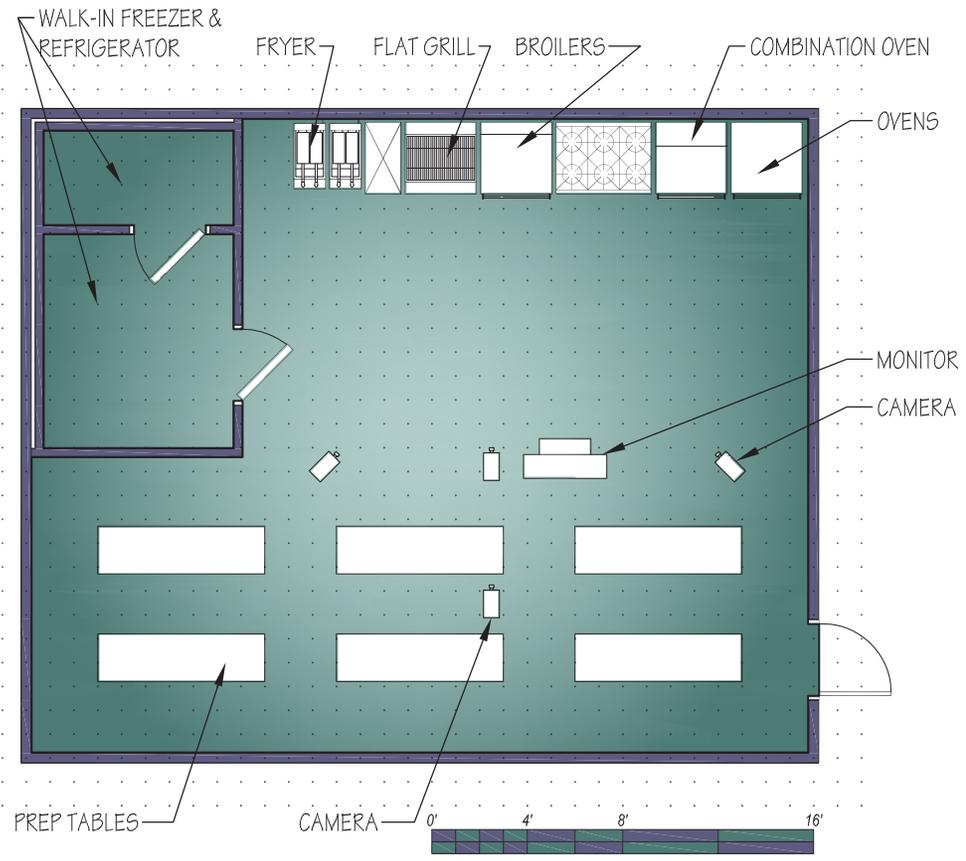
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Culinary Arts Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 900 sf
- Subtotal Required Area: 900 sf
- Subtotal Additional Area: 0 sf
- Total Area: 900 sf

### Occupant Summary

- Student Stations: 20
- Area Per Station: 45 sf

### Function / Tasks

- Provide a specialized instructional environment.

### Relationships

- Location: First Floor
- Adjacency: Culinary Arts Classroom  
Faculty Office
- Proximity: Kitchen & Dining Room
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: None required

### Casework / Fixed Equipment

- See drawing

### Furnishings

- See drawing

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

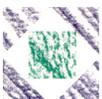
- Power: Two (2) duplex receptacles per wall & at instructor station  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls & at instructor station  
One (1) wireless airport  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls & at instructor station
- Video: A/V system w/ internet connection
- Intercom: Ceiling speaker

### Lighting

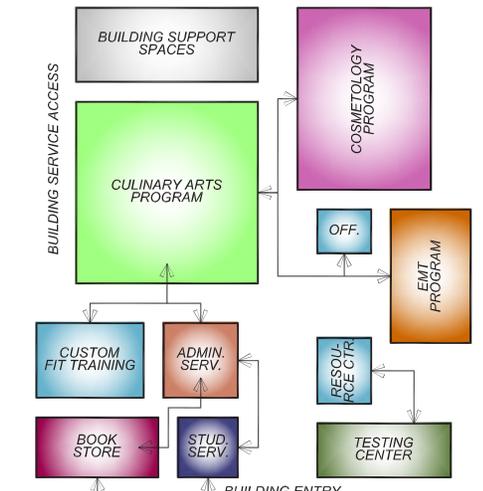
- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

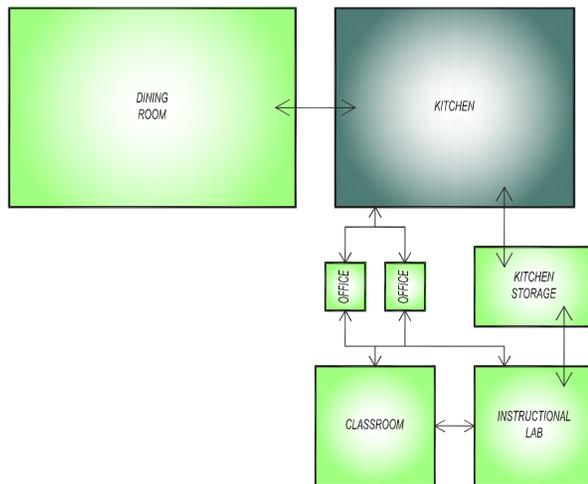
- See drawing



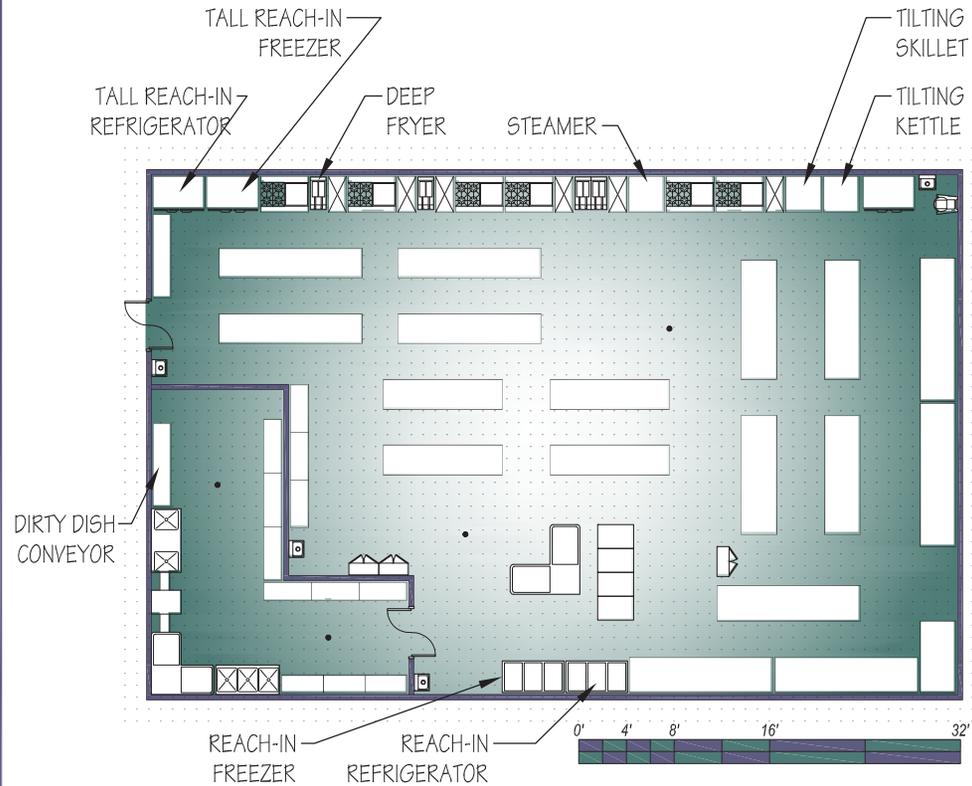
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Culinary Arts Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Commercial Kitchen
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 3,000 sf
- Subtotal Required Area: 3,000 sf
- Subtotal Additional Area: 0 sf
- Total Area: 3,000 sf

### Occupant Summary

- Student Stations: 20
- Area Per Station: 150 sf

### Function / Tasks

- Provide a specialized instructional environment.
- Provide a commercial kitchen for the preparation of food for the College's food service

### Relationships

- Location: First Floor
- Adjacency: Dining Room & Kitchen Storage
- Proximity: Administrative Services, Custom-Fit Training Room & Loading Dock
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Quarry tile
- Walls: Ceramic Tile
- Ceiling: Vinyl faced lay-in
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: None required

### Casework / Fixed Equipment

- See drawing

### Furnishings

- See drawing

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: Negative pressure
- Summer Design Temp.: 80°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria:  $\leq 30$  (NC/RC)

- Special Systems: Grease hood exhaust
- Plumbing: 140°F HW to sinks & dishwasher, grease interceptor

### Electrical

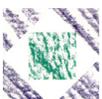
- Power: Two (2) duplex receptacles per wall & at instructor station  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls & at instructor station  
One (1) wireless airport  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls & at instructor station
- Video: A/V system w/ internet connection
- Intercom: Ceiling speaker

### Lighting

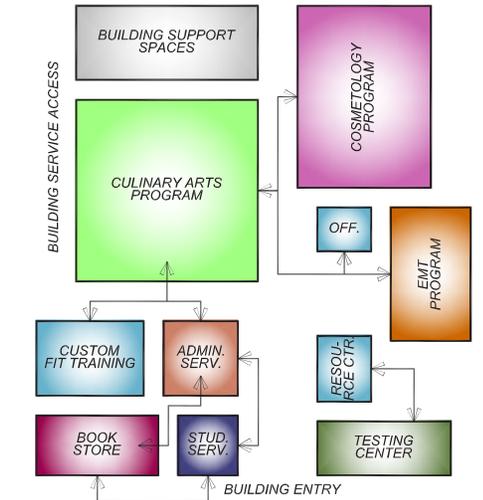
- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

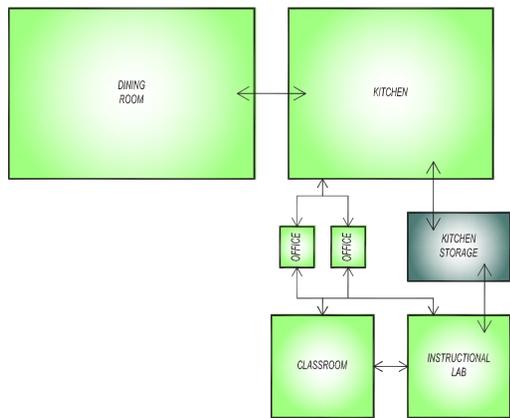
- See drawing



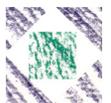
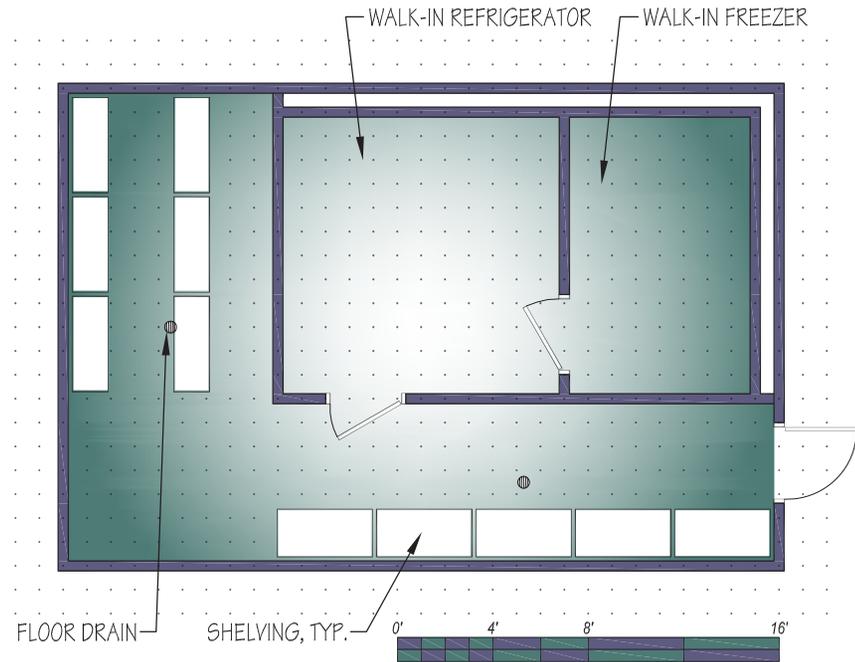
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Culinary Arts Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Enclosed Storage
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 600 sf
- Subtotal Required Area: 600 sf
- Subtotal Additional Area: 0 sf
- Total Area: 600 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty, Staff, Students

### Function / Tasks

- Provide storage for kitchen & Instructional Lab

### Relationships

- Location: First Floor
- Adjacency: Kitchen & Loading Dock
- Proximity: Instructional / Demonstration Lab
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Quarry tile
- Walls: Ceramic Tile
- Ceiling: Vinyl faced lay-in
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: None required

### Casework / Fixed Equipment

- See drawing

### Furnishings

- See drawing

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 0.15 CFM/SF (min.)
- Air Circulation: As required for hts. & deg.
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: None required

- Special Systems: ????
- Plumbing: ????

### Electrical

- Power: One (1) duplex receptacle each wall

- Data: Rough-in for future capacity
- Phone: Rough-in for future capacity

- Video: Rough-in for future capacity
- Intercom: Rough-in for future capacity

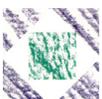
### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required

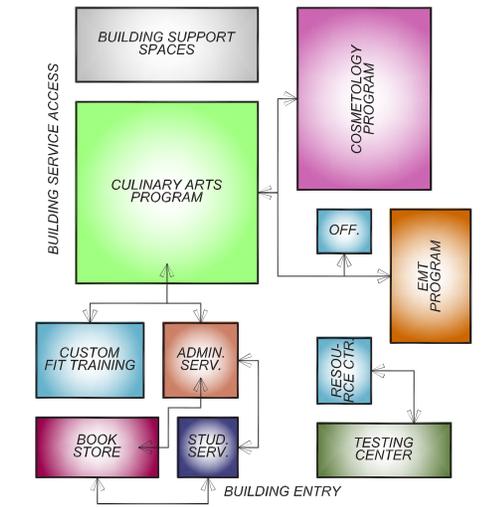
- Foot Candles: 30
- Controls: Occupancy sensor

### Equipment (NIC)

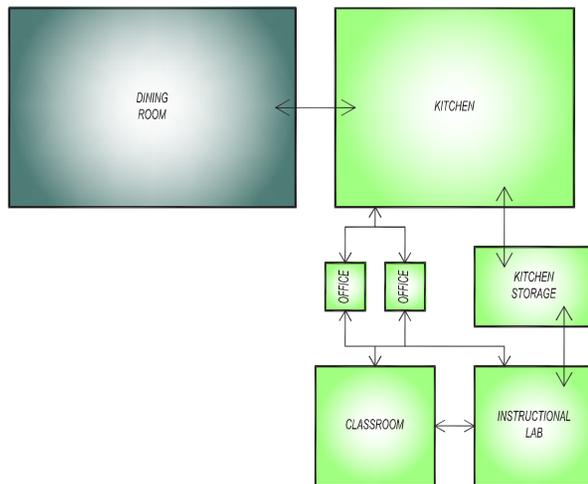
- See drawing



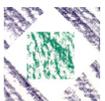
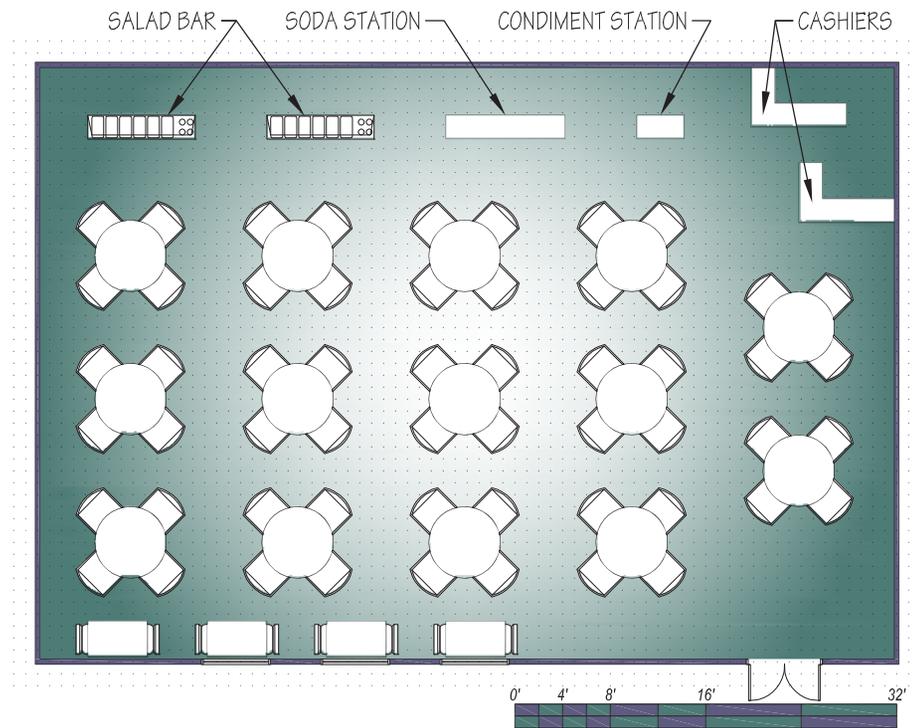
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Culinary Arts Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open Dining
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 3,600 sf
- Subtotal Required Area: 3,600 sf
- Subtotal Additional Area: 0 sf
- Total Area: 3,600 sf

### Occupant Summary

- Assigned Occupants: 0
- Visitors: 1-150

### Function / Tasks

- Provide an inviting and comfortable atmosphere for dining.
- Provide a refined atmosphere for fine dining.

### Relationships

- Location: First Floor
- Adjacency: Kitchen & public circulation
- Proximity: Administrative Services, Custom-Fit Training Room & Loading Dock
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" hardwood base
- Walls: Painted gypsum board w/ chair rail
- Ceiling: Suspended 2x2 acoustical ceiling tile
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- See drawing

### Furnishings

- See drawing

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)

- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria:  $\leq 35$  (NC/RC)

- Special Systems: ????
- Plumbing:

### Electrical

- Power: Two duplex outlets per wall (min.)  
Additional capacity for equipment listed

- Data: One per wall (min.)  
Additional capacity for equipment listed

- Phone:
- Video:

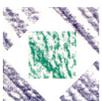
### Lighting

- Fixture Type: Fluorescent electronic ballast
- Accent Lighting: Incandescent

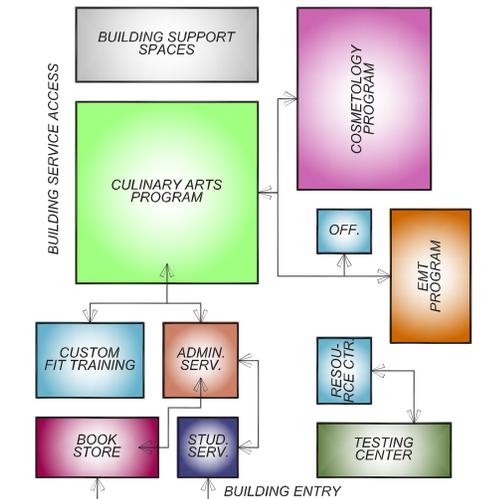
- Foot Candles: 50
- VCP: 70
- Controls: Auto sensor w/ override & dimming

### Equipment (NIC)

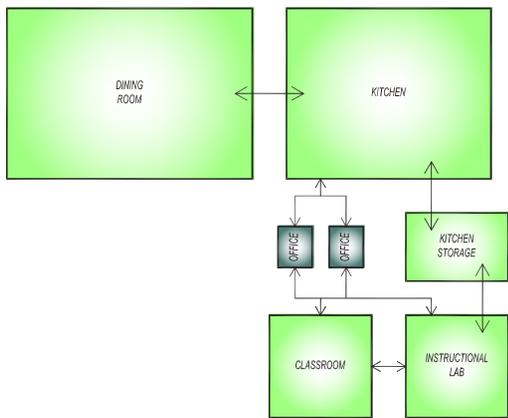
- See drawing



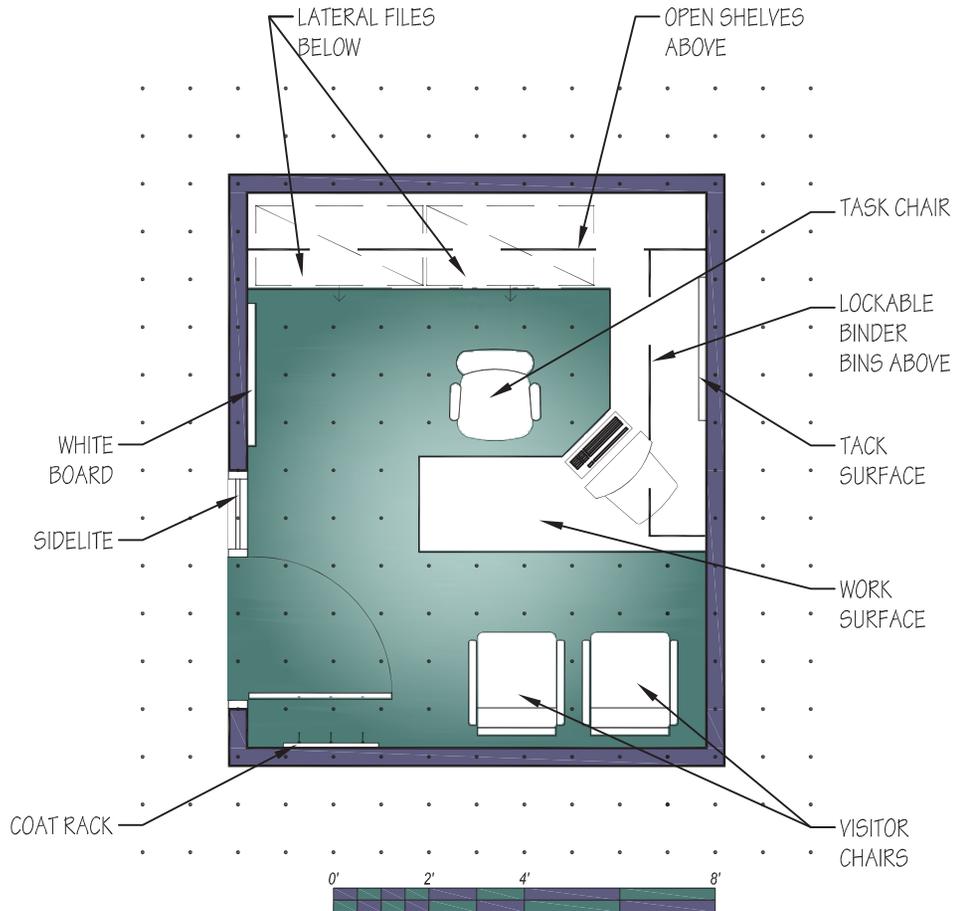
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Culinary Arts Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 2
- Number Additional: 0
- Total Number: 2

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 240 sf
- Subtotal Additional Area: 0 sf
- Total Area: 240 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: Culinary Arts classrooms & labs
- Proximity: Kitchen & Dining Room
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical tile ceiling
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Coat Rack: 18x6x<sup>3</sup>/<sub>4</sub> oak plate w/ 2 dbl-prong
- Whiteboard (alum. frame & tray): (1) 48"x48"

### Furnishings

- Work Surface: (1) 24"x60" & (1) 24"x78"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface w/ round end: (1) 24"x36"
- Shelf Unit, 2-shelves high: (2) 14"x48"
- Binder Bin w/ lockable door: (2) 15"x36"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

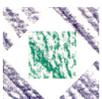
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

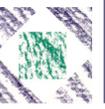
- Desktop computer, monitor & combo laser printer / copier / scanner.





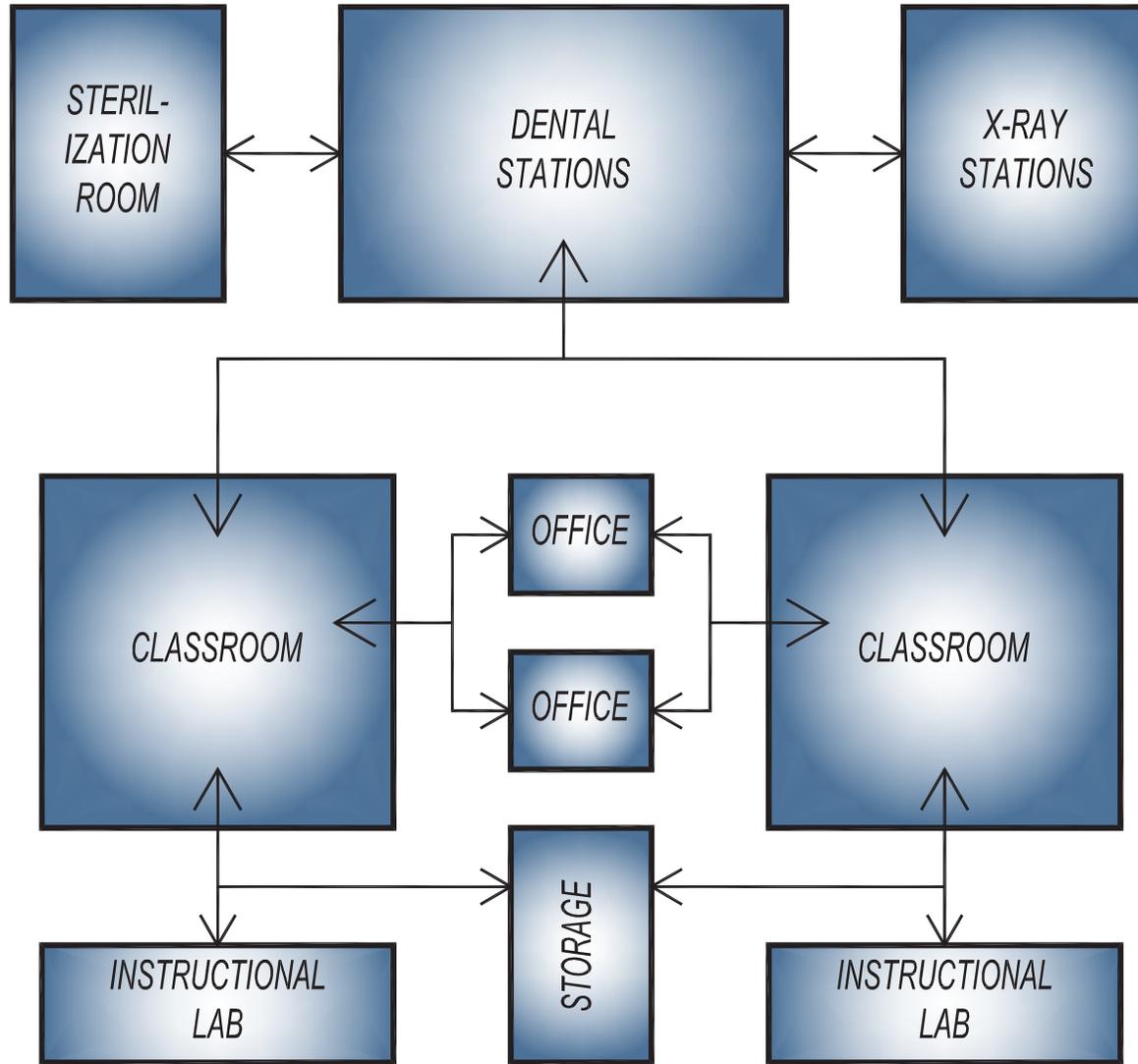
**NORTHERN UTAH CAMPUS NEW BUILDING PROGRAM**  
Mountainland Applied Technology College

**HFS**Architects

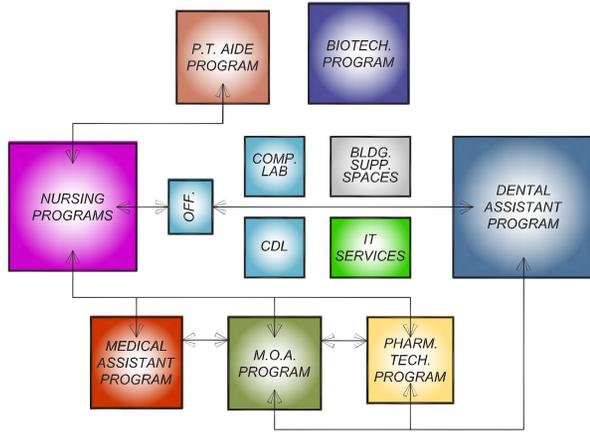


# INDIVIDUAL SPACE REQUIREMENTS

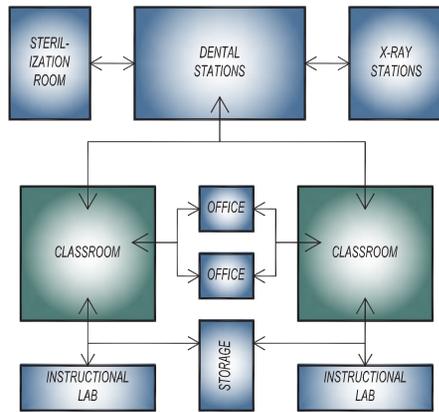
## DENTAL ASSISTANT PROGRAM RELATIONSHIP DIAGRAM



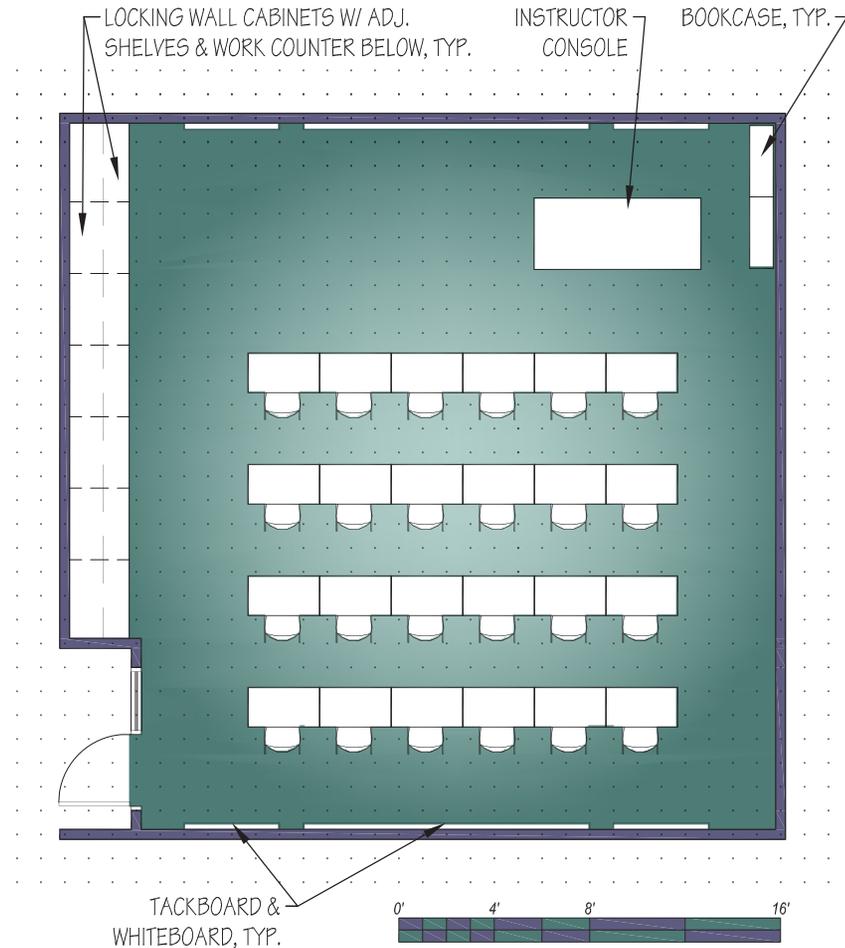
# INDIVIDUAL SPACE DIAGRAMS



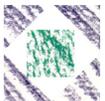
*Second Floor Relationship Diagram*



*Dental Assistant Relationship Diagram*



## CLASSROOM Dental Assistant Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Classroom
- Number Required: 1
- Number Additional: 1
- Total Number: 2

### Net Area Summary

- Area (each): 900 sf
- Subtotal Required Area: 900 sf
- Subtotal Additional Area: 900 sf
- Total Area: 1,800 sf

### Occupant Summary

- Student Stations: 25
- Area Per Station: 30 sf

### Function / Tasks

- Provide flexible teaching environment.

### Relationships

- Location: Second Floor
- Adjacency: Dental Lab, Dental Clinic & Faculty Office
- Proximity: Dental Office Administration
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required, provide adequate light control for computer & multi-media use
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Instructor console w/ podium (1) 36"x84"
- Whiteboard w/ map rail & tray: (2) 168"x48"
- Tackboard w/ frame: (2) 48"x48"
- Solid surface work counter: (21 lf) 30"Dx27"H
- Hdwd. veneer wall cabinet: (21 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Hdwd. veneer bookcase: (2) 36"Wx12"Dx84"H w/ (5) adjustable shelves & (1) fixed shelf
- Projector mount / ports & cable connection: (1)
- Clock: (1)
- Projection screen: (1) 96"W

### Furnishings

- Student table: (25) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (26)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

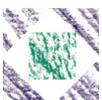
- Power: Two (2) duplex receptacles per wall & at instructor station  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls & at instructor station  
One (1) wireless airport  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls & at instructor station
- Video: A/V system w/ internet connection
- Intercom: Ceiling speaker

### Lighting

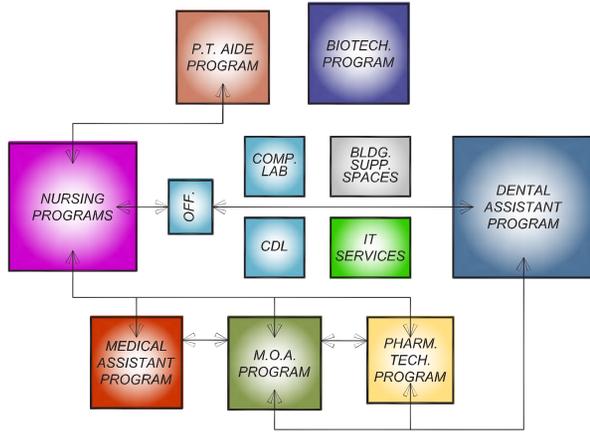
- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

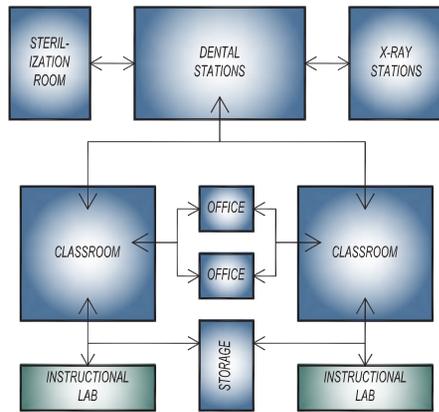
- Elmo desktop presentation unit: (1)
- Desktop computer, monitor, printer/scanner: (1)
- Capacity for 25 laptop computers; video monitors; overhead, opaque, slide & film projectors; & audio devices.



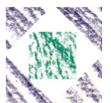
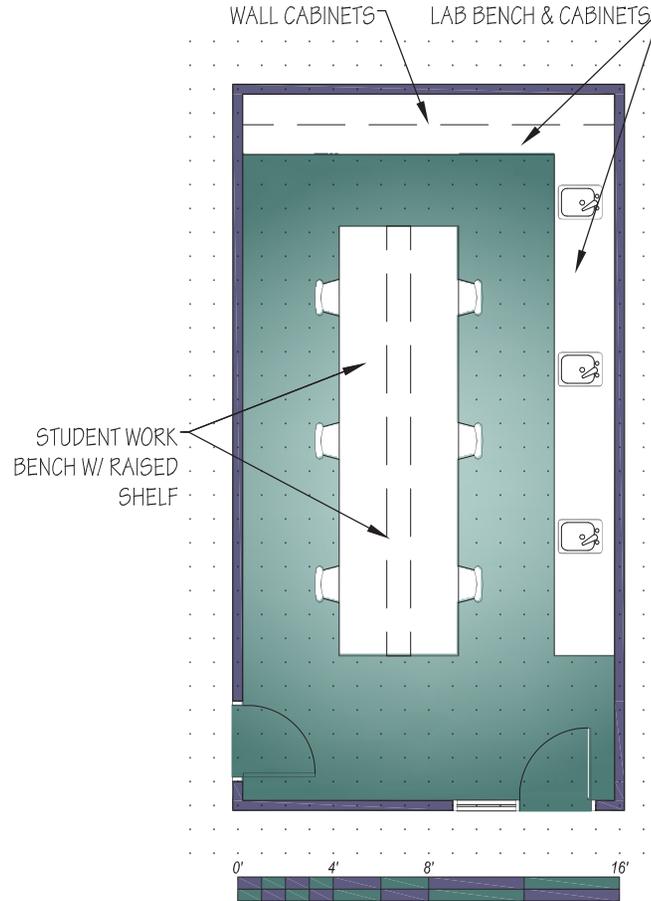
# INDIVIDUAL SPACE DIAGRAMS



*Second Floor Relationship Diagram*



*Dental Assistant Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 1
- Total Number: 2

### Net Area Summary

- Area (each): 300 sf
- Subtotal Required Area: 300 sf
- Subtotal Additional Area: 300 sf
- Total Area: 600 sf

### Occupant Summary

- Student Stations: 12
- Area Per Station: 50 sf

### Function / Tasks

- 

### Relationships

- Location: Second Floor
- Adjacency: Dental Assistant Classroom & Storage
- Proximity: Dental Assistant Dental Chair Lab
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Chemical-resistant seamless vinyl w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: None required

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- P. lam base cabinet: (36 lf) 30"Dx36"H w/ chemical-resistant countertop, lockable doors & drawers, adjustable shelf
- P. lam wall cabinet: (16 lf) 14"Dx24"H w/ lockable doors & (2) adjustable shelves
- P. lam. dbl-sided lab bench: (18 lf) 60"Dx27"H w/ chemical-resistant countertop, lockable drawers, knee spaces (3 each side), raised shelf (15"Wx18'-0"L), power & data at each station
- Clock: (1)

### Furnishings

- Task chair, armless, swivel, adjustable: (6)
- Waste Can: (2) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 100% Exhaust
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria:  $\leq 45$  (NC/RC)
- Special Systems: Vacuum
- Plumbing: Sinks, water, waste, vent

### Electrical

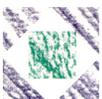
- Power: Two (2) duplex receptacles per wall  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

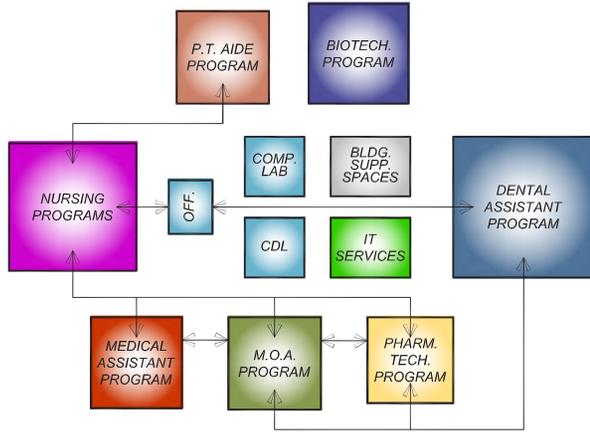
- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

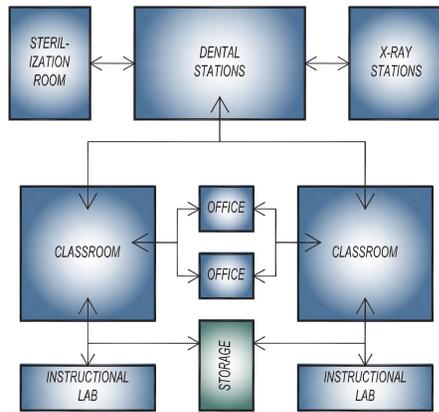
- Trimmers, vibrators, ultra-lume drumels at each station



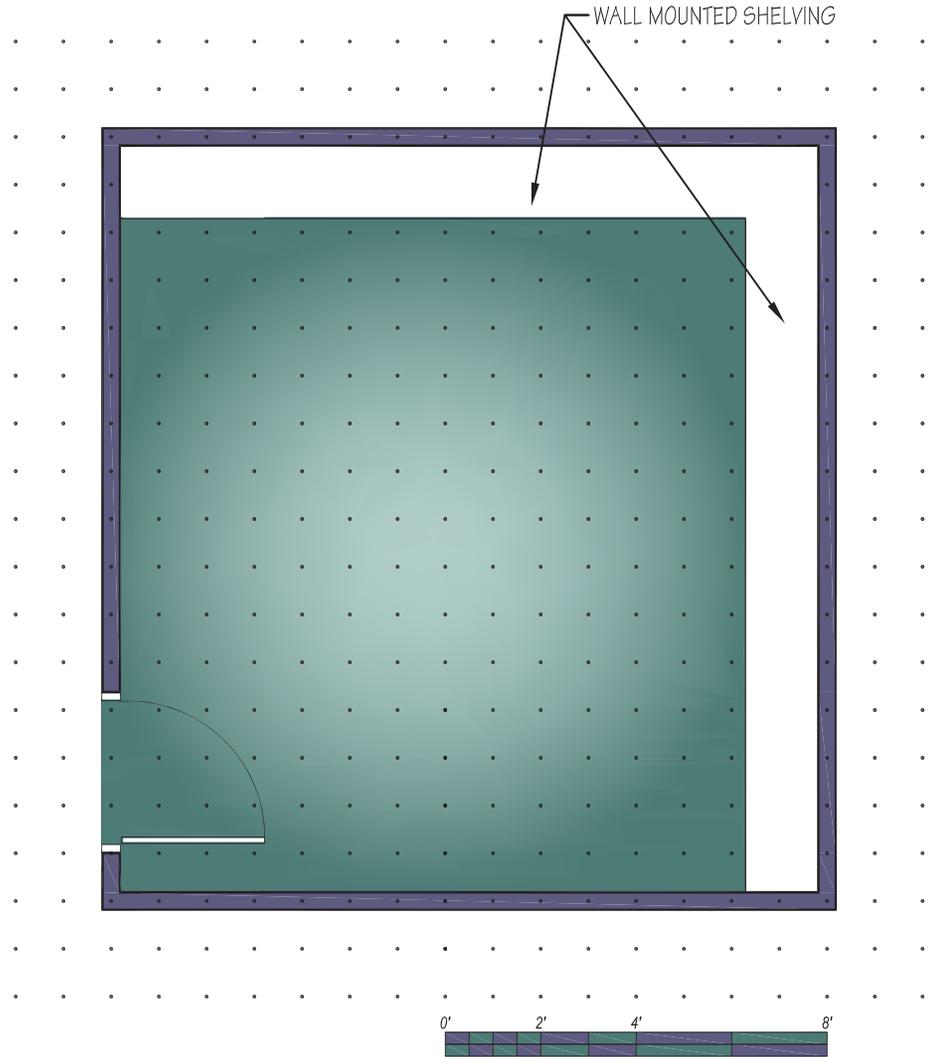
# INDIVIDUAL SPACE DIAGRAMS



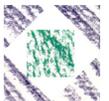
*Second Floor Relationship Diagram*



*Dental Assistant Relationship Diagram*



## CLASSROOM / LAB STORAGE Dental Assistant Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Secure Storage
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 240 sf
- Subtotal Required Area: 240 sf
- Subtotal Additional Area: 0 sf
- Total Area: 240 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty / Staff

### Function / Tasks

- Provide secure storage for teaching aids, equipment & supplies.

### Relationships

- Location: Second Floor
- Adjacency: Dental Assistant Classroom & Instructional Labs
- Proximity: None required
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: VCT w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: Electronic access lock

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- Wall-mounted shelving: (30 lf) 24"Dx84"H P.Lam. w/ (8) adjustable shelves

### Furnishings

- None required.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 0.15 CFM/SF (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 74°F
- Winter Design Temp.: 74°F

- Controls: Individual direct digital controls
- Sound Criteria: None required

- Special Systems: None required
- Plumbing: Mop sink, floor drain, water, waste, vent

### Electrical

- Power: One (1) duplex receptacle each wall

- Data: One (1) device on opposing walls
- Phone: One (1) device on opposing walls

- Video: Rough-in for future capacity
- Intercom: Rough-in for future capacity

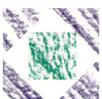
### Lighting

- Fixture Type: T-8 fluorescent lay-in
- Task Light: None required

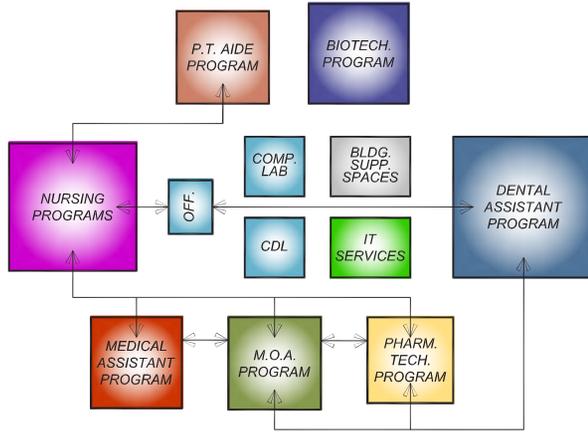
- Foot Candles: 30
- Controls: Occupancy sensor

### Equipment (NIC)

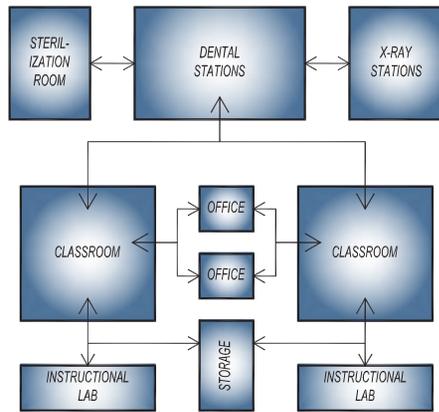
- None required.



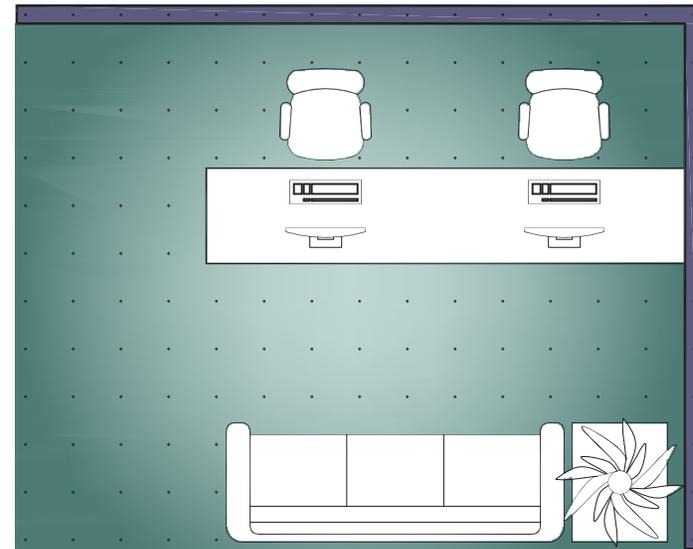
# INDIVIDUAL SPACE DIAGRAMS



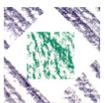
Second Floor Relationship Diagram



Dental Assistant Relationship Diagram



## CLINIC WAITING & RECEPTION AREA Dental Assistant Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open Waiting & Reception
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 150 sf
- Subtotal Required Area: 150 sf
- Subtotal Additional Area: 0 sf
- Total Area: 150 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Provide a relaxed waiting area for the dental clinic patients.
- Provide a professional reception work space for the dental clinic.

### Relationships

- Location: Second Floor
- Adjacency: Dental Clinic, Public Restroom & Exterior Exit
- Proximity: Dental Classroom & Faculty Office
- Separation: Mechanical & elevator rooms

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panel
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- Reception desk: (10 lf) 30"Dx27"H  
hdwd. veneer w/ solid surface countertop
- Clock: (1)

### Furnishings

- Upholstered lounge chair w/ arms: (2)
- Wood magazine table w/ shelf: (1) 24"x24"
- Task chair, armless, swivel, adjustable: (1)
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

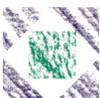
- Power: One (1) duplex receptacle each wall  
One (1) four-plex receptacle at reception desk
- Data: One (1) device at reception desk
- Phone: One (1) device at reception desk
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

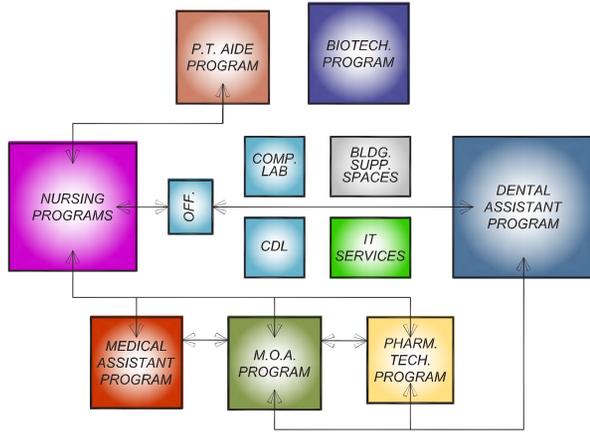
- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at worksurface
- Foot Candles: 30 general / 50 task
- Controls: Relay

### Equipment (NIC)

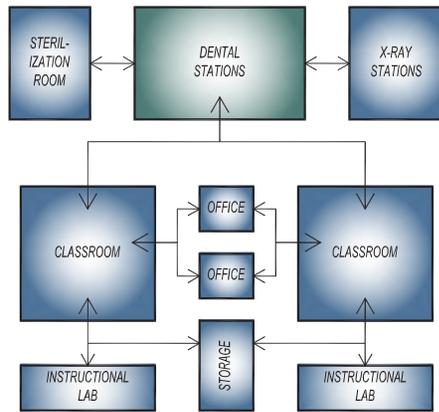
- Desktop computer, monitor & combo laser printer / copier / scanner.



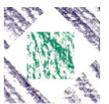
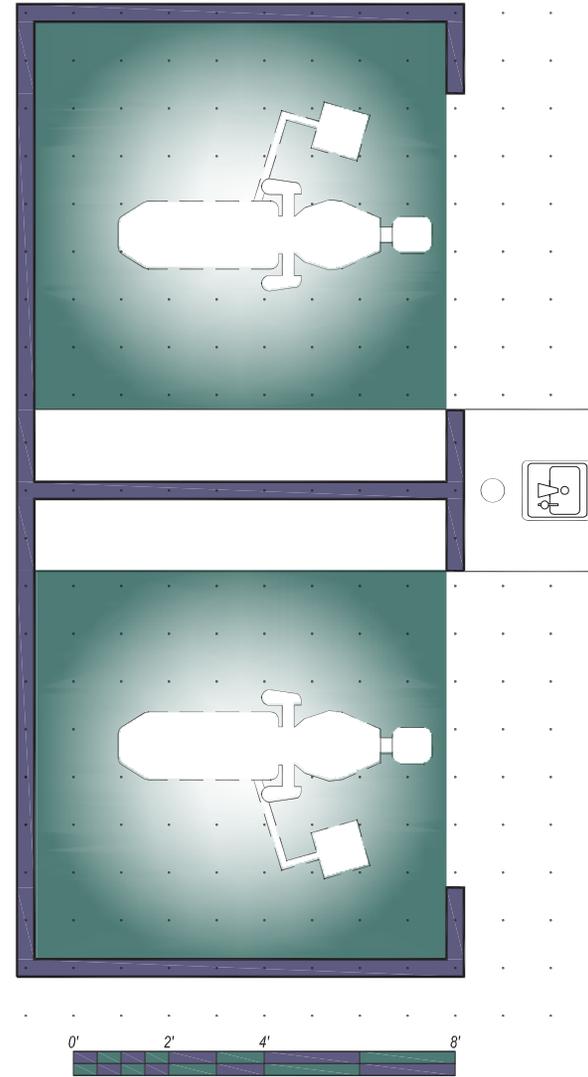
# INDIVIDUAL SPACE DIAGRAMS



*Second Floor Relationship Diagram*



*Dental Assistant Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 2
- Number Additional: 2
- Total Number: 4

### Net Area Summary

- Area (each): 160 sf
- Subtotal Required Area: 320 sf
- Subtotal Additional Area: 320 sf
- Total Area: 640 sf

### Occupant Summary

- Student Stations: 8
- Area Per Station: 80 sf

### Function / Tasks

- Provide a clinical setting where students learn and practice their skills.

### Relationships

- Location: Second Floor
- Adjacency: Waiting & Reception, X-Ray & Panograph Areas
- Proximity: Dental Classroom & Faculty Office
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Chemical-resistant seamless vinyl w/ 4" cove base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panel
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- P. lam base cabinet: (8 lf/station) 24"Dx36"H w/ chemical-resistant countertop, lockable doors & drawers, adjustable shelf
- P. lam base cabinet: (4 lf/2 stations) 36"Dx36"H w/ chemical-resistant countertop, lockable doors, sink
- Clock: (1)

### Furnishings

- Dental chair, w/ light & delivery unit: (8)
- Rolling medical stools: (8)
- Waste can: (8) 14" diameter
- Biohazard waste receptacle: (8) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: hi volume/lo pressure vacuum Medical gases (O<sub>2</sub>, NO<sub>2</sub>), compressed air
- Plumbing: Hand wash sink  
Water, waste & vent

### Electrical

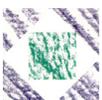
- Power: Two (2) duplex receptacles per wall  
One (1) four-plex receptacle per chair
- Data: Two (2) devices on opposing walls  
One (1) device per chair
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

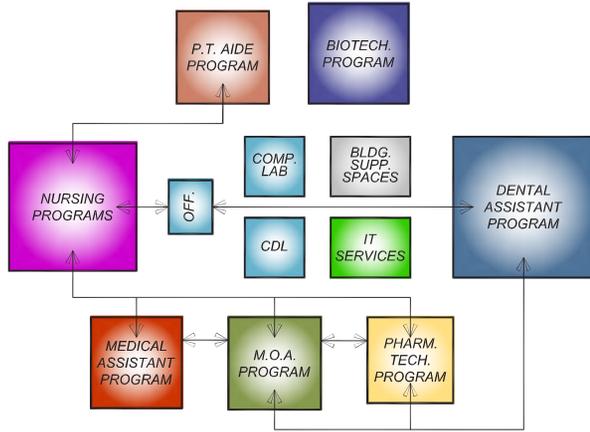
- Fixture Type: T-8 Fluorscent lay-in
- Task Light: Required at chairs
- Foot Candles: 30 general / 200 task
- Controls: Relay

### Equipment (NIC)

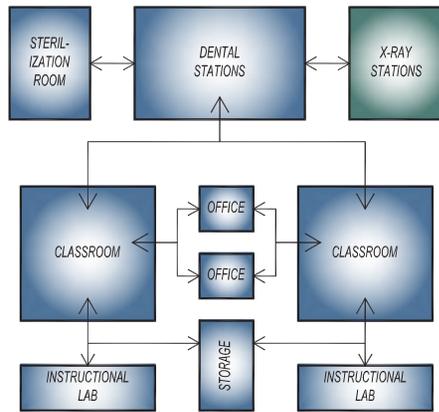
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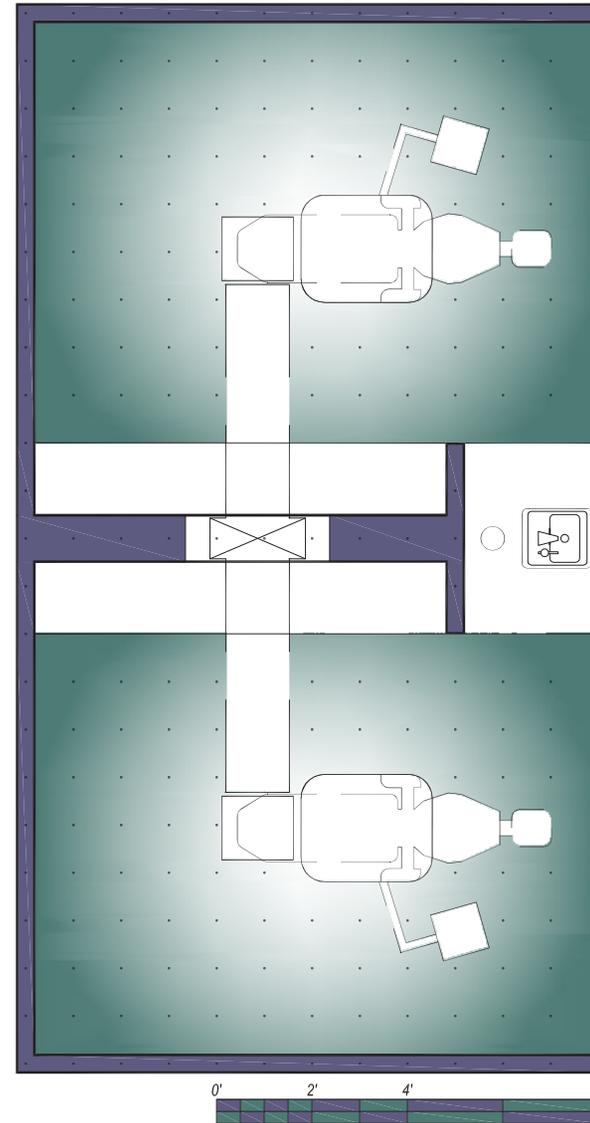
# INDIVIDUAL SPACE DIAGRAMS



*Second Floor Relationship Diagram*

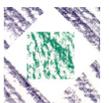


*Dental Assistant Relationship Diagram*



## DENTAL X-RAY CHAIR CLUSTER & PANOGRAPH AREA

### Dental Assistant Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 1
- Total Number: 2

### Net Area Summary

- Area (each): 180 sf
- Subtotal Required Area: 180 sf
- Subtotal Additional Area: 180 sf
- Total Area: 360 sf

### Occupant Summary

- Student Stations: 4
- Area Per Station: 90 sf

### Function / Tasks

- Provide a clinical setting where students learn and practice their skills.

### Relationships

- Location: Second Floor
- Adjacency: Waiting & Reception, Dental Chair Areas
- Proximity: Dental Classroom & Faculty Office
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Chemical-resistant seamless vinyl w/ 4" cove base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panel
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- P. lam base cabinet: (8 lf/station) 24"Dx36"H w/ chemical-resistant countertop, lockable doors & drawers, adjustable shelf
- P. lam base cabinet: (4 lf/2 stations) 36"Dx36"H w/ chemical-resistant countertop, lockable doors, sink
- Clock: (1)

### Furnishings

- Dental chair, w/ light & delivery unit: (4)
- Rolling medical stools: (4)
- Waste can: (4) 14" diameter
- Biohazard waste receptacle: (4) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: Vacuum, medical gases (O<sub>2</sub>, NO<sub>2</sub>), compressed air
- Plumbing: Hand wash sink  
Water, waste & vent

### Electrical

- Power: Two (2) duplex receptacles per wall  
One (1) four-plex receptacle per chair  
Additional for x-ray equipment
- Data: Two (2) devices on opposing walls  
One (1) device per chair
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

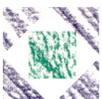
- Fixture Type: T-8 Fluorescent lay-in
- Task Light: Required at chairs
- Foot Candles: 30 general / 200 task
- Controls: Relay

### Equipment (NIC)

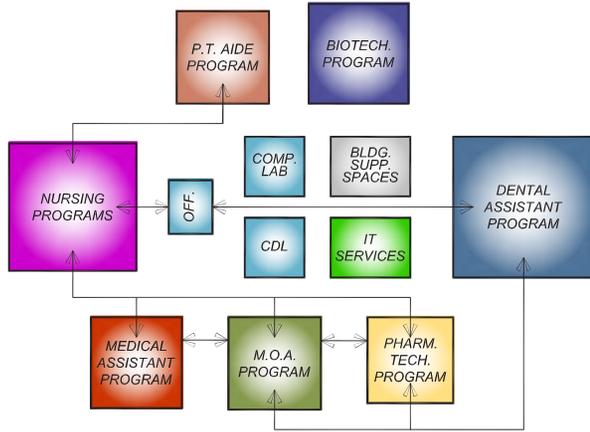
- X-ray
- Developer

# DENTAL X-RAY CHAIR CLUSTER & PANOGRAPH AREA

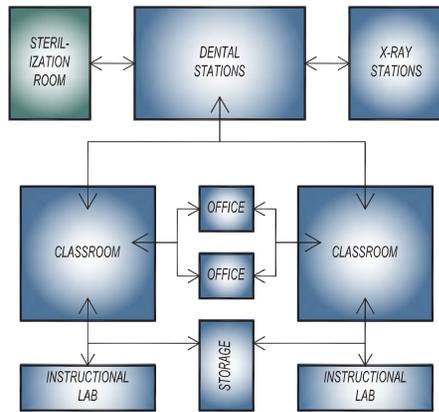
## Dental Assistant Program



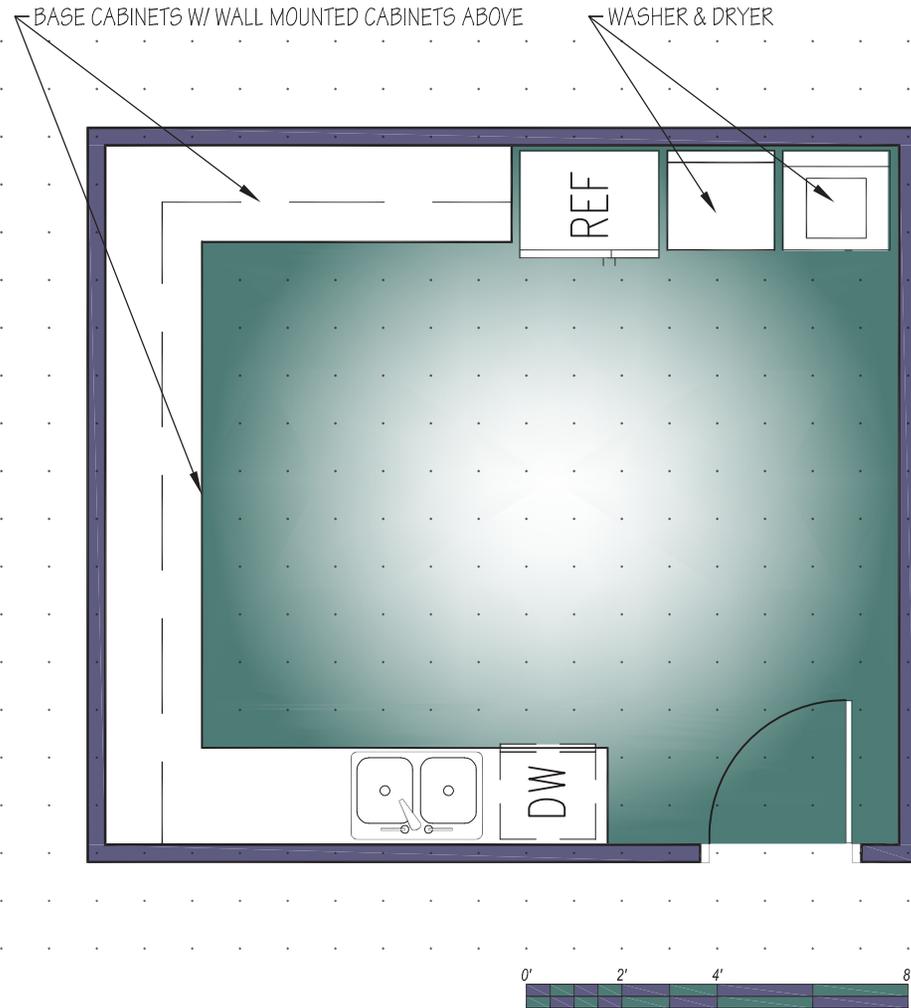
# INDIVIDUAL SPACE DIAGRAMS



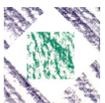
*Second Floor Relationship Diagram*



*Dental Assistant Relationship Diagram*



## INSTRUMENT STERILIZATION ROOM Dental Assistant Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Enclosed Work / Storage Room
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 250 sf
- Subtotal Required Area: 250 sf
- Subtotal Additional Area: 0 sf
- Total Area: 250 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty / Students

### Function / Tasks

- Provide a work area for cleaning, sterilizing & distributing equipment.
- Accommodate storage for clinical supplies.

### Relationships

- Location: Second Floor
- Adjacency: Dental Clinic, Dental X-Ray Area
- Proximity: Dental Classroom & Faculty Office
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Chemical-resistant seamless vinyl w/ 4" cove base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- P. lam base cabinet: (36 lf) 30"Dx36"H w/ chemical-resistant countertop, lockable doors & drawers, adjustable shelf
- P. lam wall cabinet: (28 lf) 14"Dx24"H w/ lockable doors & (2) adjustable shelves
- Clock: (1)

### Furnishings

- Waste can: (1) 14" diameter
- Biohazard waste receptacle: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 100% Exhaust
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤45 (NC/RC)
- Special Systems: Local exhaust for autoclave
- Plumbing: Double stainless-steel sink  
Water, waste & vent

### Electrical

- Power: Duplex receptacles at 18" o.c. for equipment at countertops  
Additional capacity for equipment listed

- Data: Two (2) devices
- Phone: Two (2) devices

- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

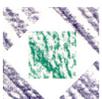
### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required

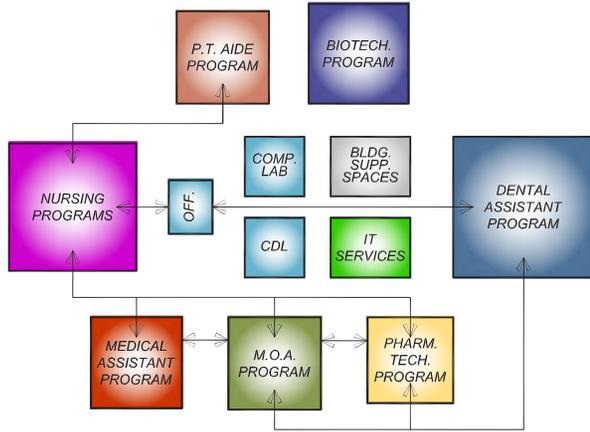
- Foot Candles: 40
- Controls: Relay

### Equipment (NIC)

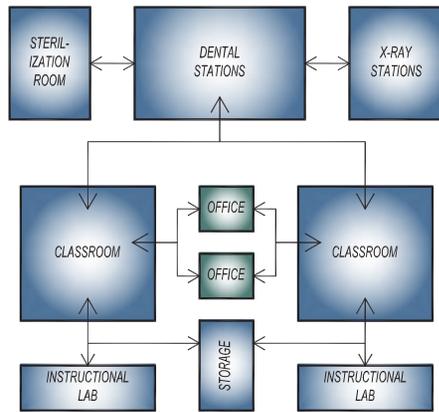
- Autoclave
- Dishwasher
- Washer dryer, x-ray developer, curing light, battery charger, refrigerator, ultra sonic, view boxes



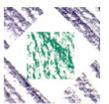
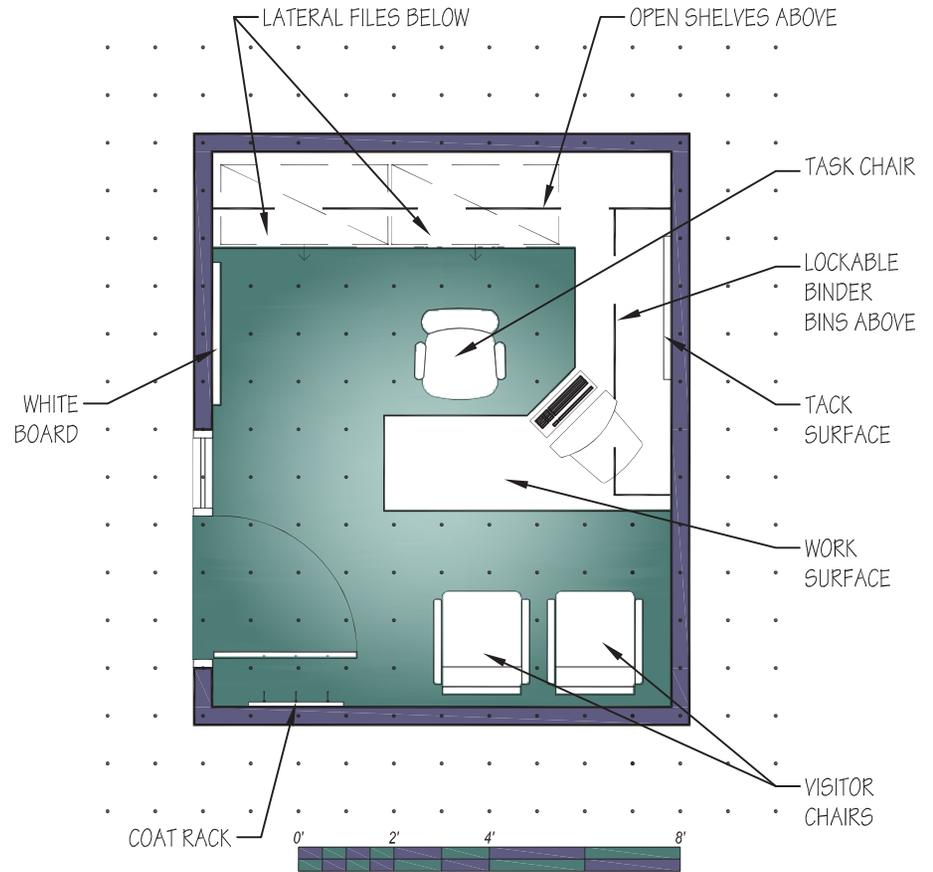
# INDIVIDUAL SPACE DIAGRAMS



*Second Floor Relationship Diagram*



*Dental Assistant Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 1
- Total Number: 2

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 120 sf
- Subtotal Additional Area: 120 sf
- Total Area: 240 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: Second Floor
- Adjacency: Dental Classroom & Dental Clinic
- Proximity: Dental Office Administration
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical tile ceiling
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Coat Rack: 18x6x<sup>3</sup>/<sub>4</sub> oak plate w/ 2 dbl-prong
- Whiteboard (alum. frame & tray): (1) 48"x48"

### Furnishings

- Work Surface: (1) 24"x60" & (1) 24"x78"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface w/ round end: (1) 24"x36"
- Shelf Unit, 2-shelves high: (2) 14"x48"
- Binder Bin w/ lockable door: (2) 15"x36"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

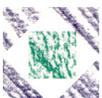
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

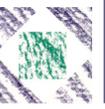
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

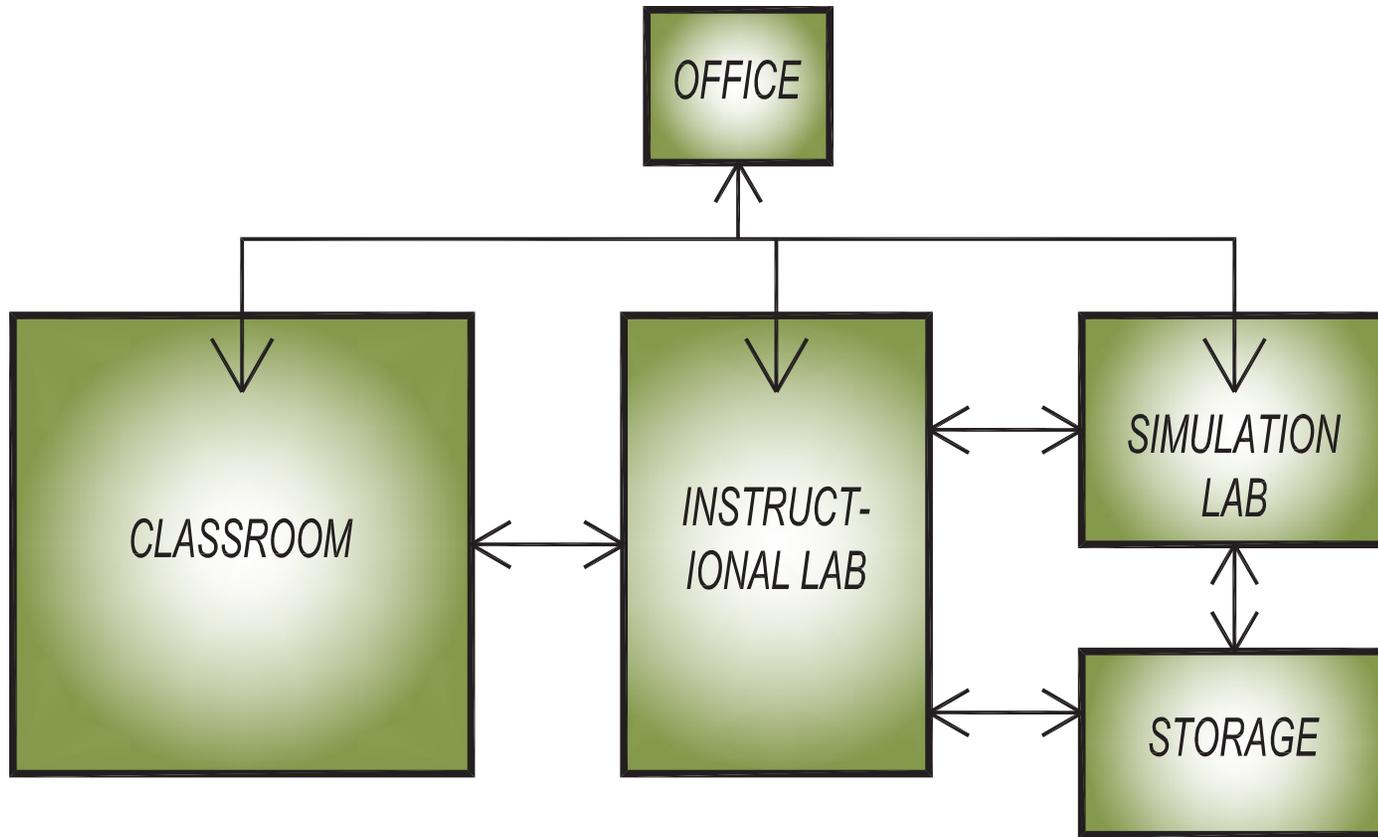
- Desktop computer, monitor & combo laser printer / copier / scanner.



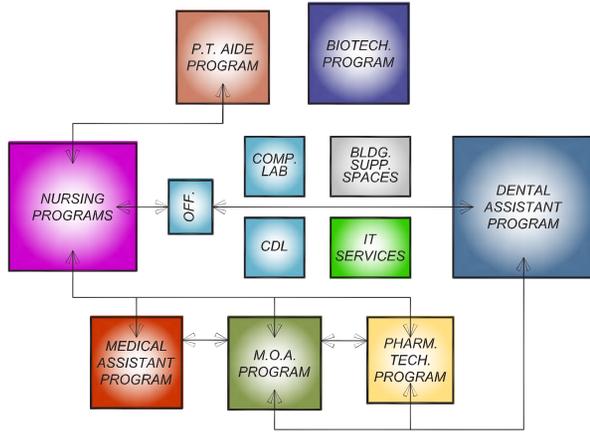


# INDIVIDUAL SPACE REQUIREMENTS

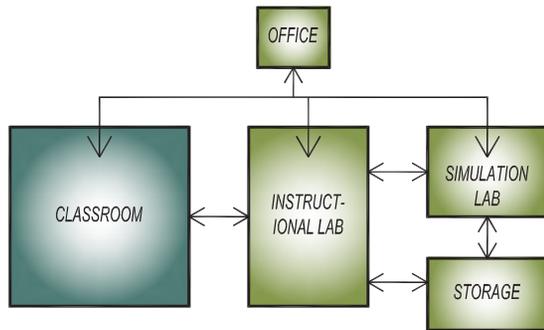
## DENTAL OFFICE ADMINISTRATION PROGRAM RELATIONSHIP DIAGRAM



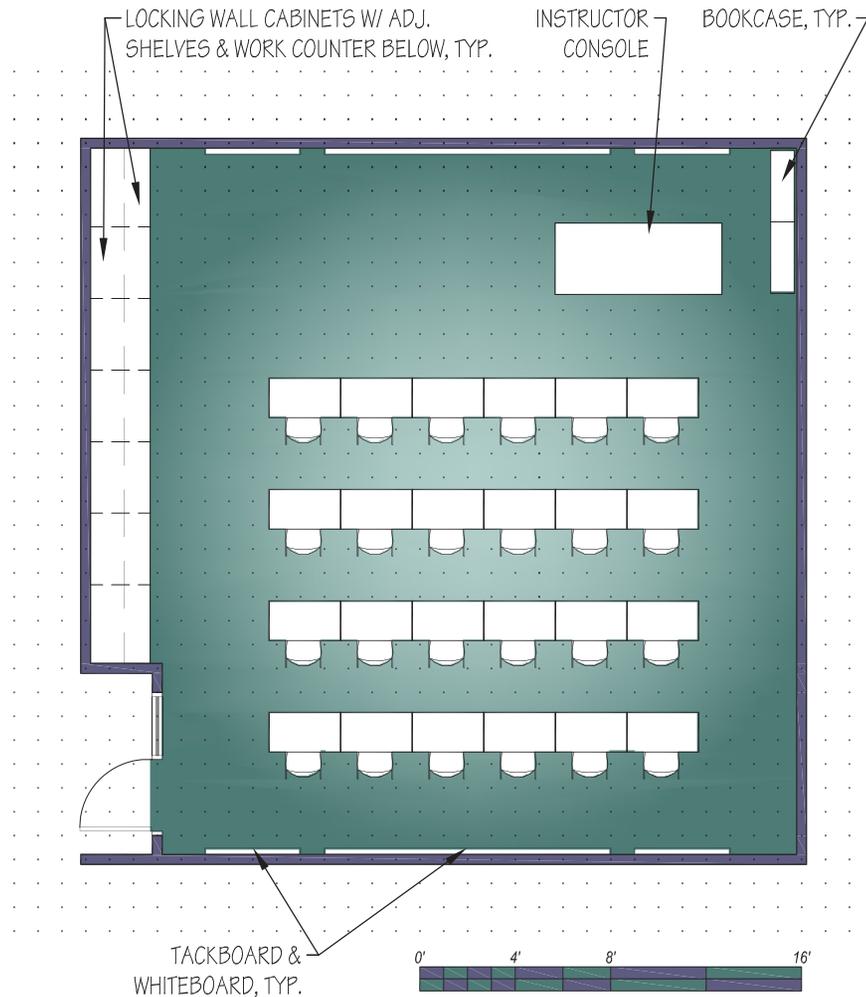
# INDIVIDUAL SPACE DIAGRAMS



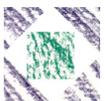
Second Floor Relationship Diagram



Dental Office Admin Relationship Diagram



## CLASSROOM (SHARED WITH MOA) Dental Office Administration Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Classroom
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 900 sf
- Subtotal Required Area: 900 sf
- Subtotal Additional Area: 0 sf
- Total Area: 900 sf

### Occupant Summary

- Student Stations: 25
- Area Per Station: 30 sf

### Function / Tasks

- Provide flexible teaching environment.

### Relationships

- Location: Second Floor
- Adjacency: Lab & Faculty Office
- Proximity: Medical & Dental Assistant, Medical Office Administration
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required, provide adequate light control for computer & multi-media use
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ 1/4" glazing

### Casework / Fixed Equipment

- Instructor console w/ podium (1) 36"x84"
- Whiteboard w/ map rail & tray: (2) 168"x48"
- Tackboard w/ frame: (2) 48"x48"
- Solid surface work counter: (21 lf) 30"Dx27"H
- Hdwd. veneer wall cabinet: (21 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Hdwd. veneer bookcase: (2) 36"Wx12"Dx84"H w/ (5) adjustable shelves & (1) fixed shelf
- Projector mount / ports & cable connection: (1)
- Clock: (1)
- Projection screen: (1) 96"W

### Furnishings

- Student table: (25) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (26)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

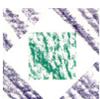
- Power: Two (2) duplex receptacles per wall & at instructor station  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls & at instructor station  
One (1) wireless airport  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls & at instructor station
- Video: A/V system w/ internet connection
- Intercom: Ceiling speaker

### Lighting

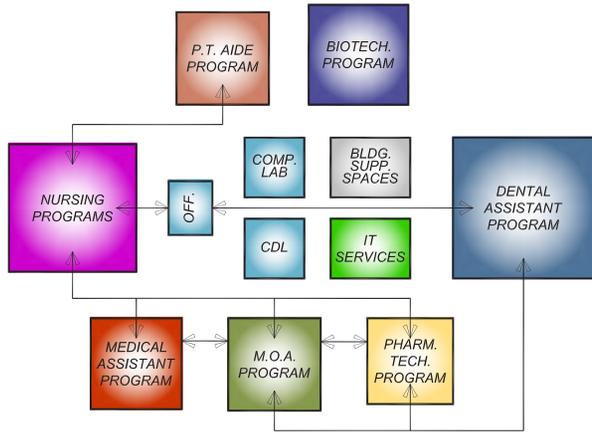
- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

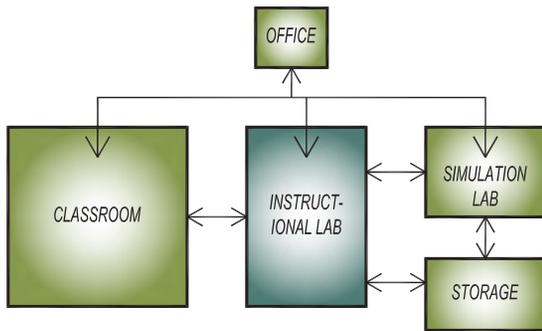
- Elmo desktop presentation unit: (1)
- Desktop computer, monitor, printer/scanner: (1)
- Capacity for 25 laptop computers; video monitors; overhead, opaque, slide & film projectors; & audio devices.



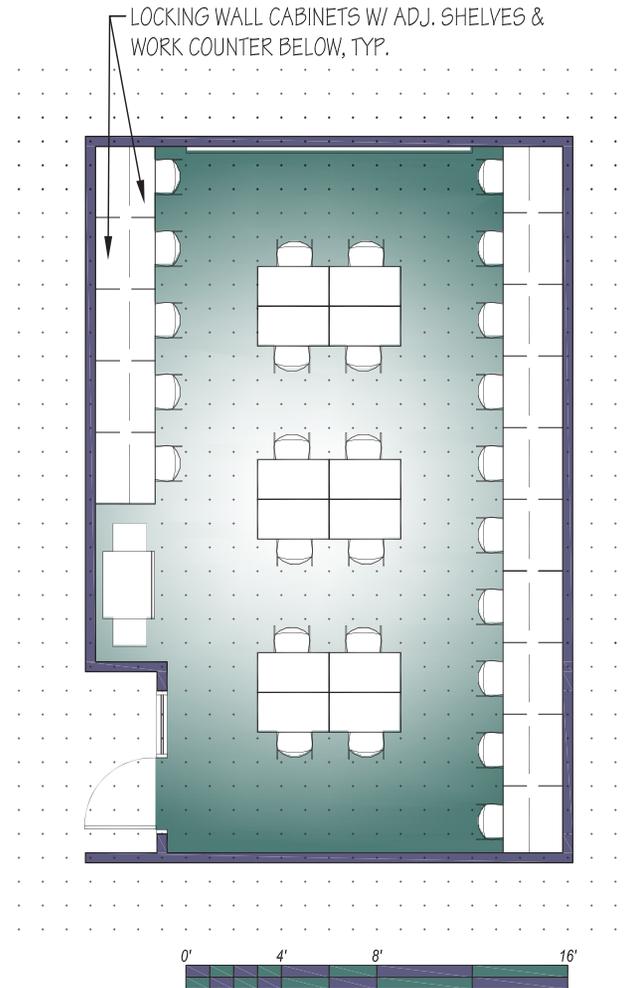
# INDIVIDUAL SPACE DIAGRAMS



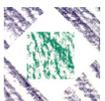
Second Floor Relationship Diagram



Dental Office Admin Relationship Diagram



## INSTRUCTIONAL LAB (SHARED WITH MOA) Dental Office Administration Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 600 sf
- Subtotal Required Area: 600 sf
- Subtotal Additional Area: 0 sf
- Total Area: 600 sf

### Occupant Summary

- Student Stations: 12
- Area Per Station: 50 sf

### Function / Tasks

- Provide a specialized instructional environment.

### Relationships

- Location: Second Floor
- Adjacency: Classroom & Faculty Office
- Proximity: Medical & Dental Assistant, Medical Office Administration
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: None required

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Whiteboard w/ map rail & tray: (1) 144"x48"
- Work surface
- Hdwd. veneer wall cabinet: (72 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Clock: (1)

### Furnishings

- Student table: (6) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (28)
- Waste can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)

- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: Two (2) duplex receptacles per wall  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls  
Additional capacity for equipment listed

- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

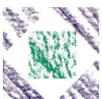
- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required

- Foot Candles: 40-45
- Controls: Occupancy sensor

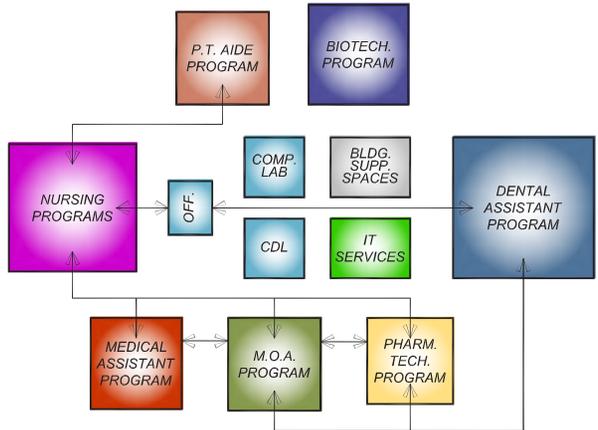
### Equipment (NIC)

- Copier: (1)
- Computers and monitors: (20)
- Printer: (1)
- Scanner: (11)

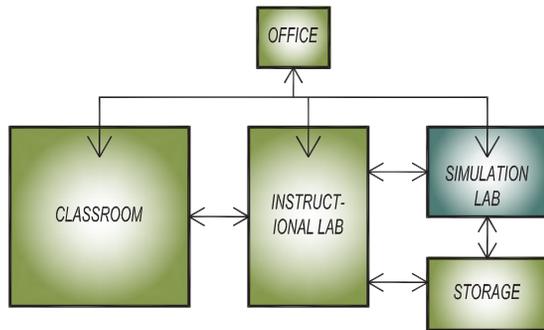
## INSTRUCTIONAL LAB (SHARED WITH MOA) Dental Office Administration Program



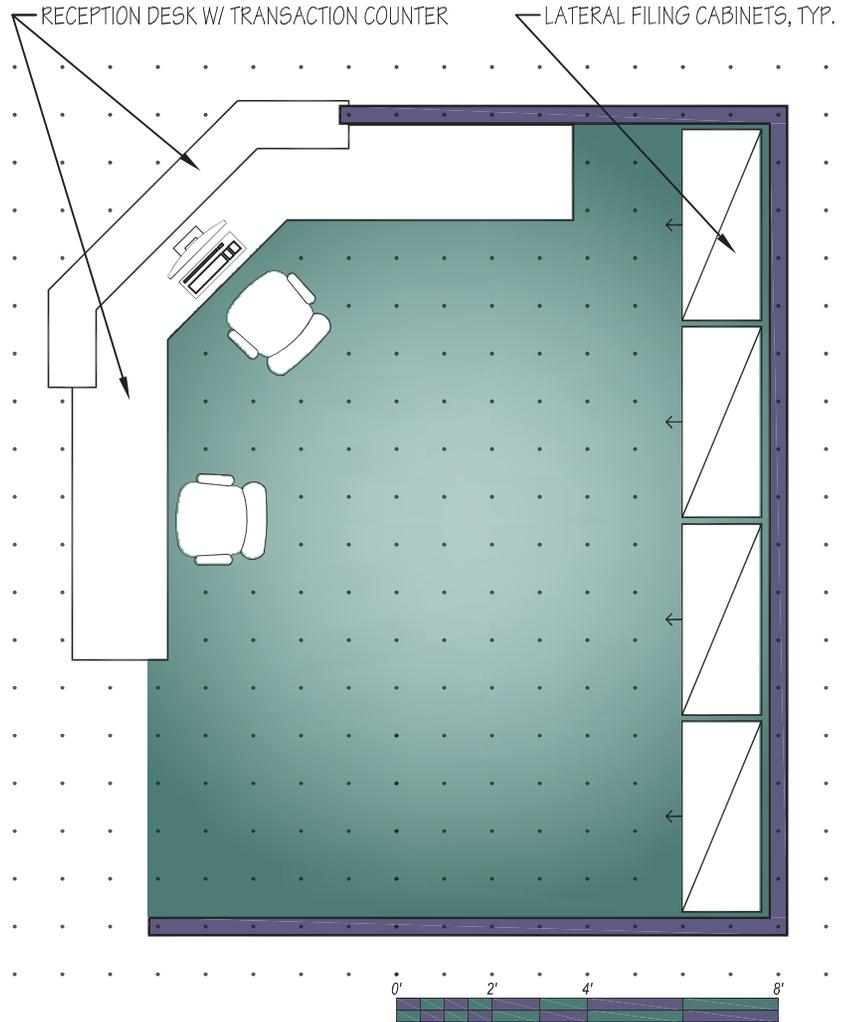
# INDIVIDUAL SPACE DIAGRAMS



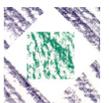
*Second Floor Relationship Diagram*



*Dental Office Admin Relationship Diagram*



## SIMULATION LAB (SHARED WITH MOA) Dental Office Administration Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open Simulation Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 300 sf
- Subtotal Required Area: 300 sf
- Subtotal Additional Area: 0 sf
- Total Area: 300 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty & Students

### Function / Tasks

- Provide a specialized instructional environment.

### Relationships

- Location: Second Floor
- Adjacency: Classroom & Faculty Office
- Proximity: Medical & Dental Assistant, Medical Office Administration
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- None required.

### Windows

- Natural Light: Not required
- Interior: Painted H.M. frame w/ 1/4" glazing

### Casework / Fixed Equipment

- Solid surface work counter: (16 lf) 24"Dx27"H w/ solid surface transaction counter (12"Dx10 lf x 36"H)
- Clock: (1)

### Furnishings

- 5-Drawer lateral filing cabinet: (4) 48"W
- Task chair, armless, swivel, adjustable: (2)
- Waste can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria:  $\leq 30$  (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

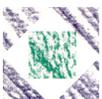
- Power: One (1) duplex receptacle per wall  
Two (2) four-plex receptacles at desk  
Additional capacity for equipment listed
- Data: One (1) device on opposing walls  
Two (2) devices at desk  
Additional capacity for equipment listed
- Phone: One (1) device on opposing walls  
Two (2) devices at desk
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

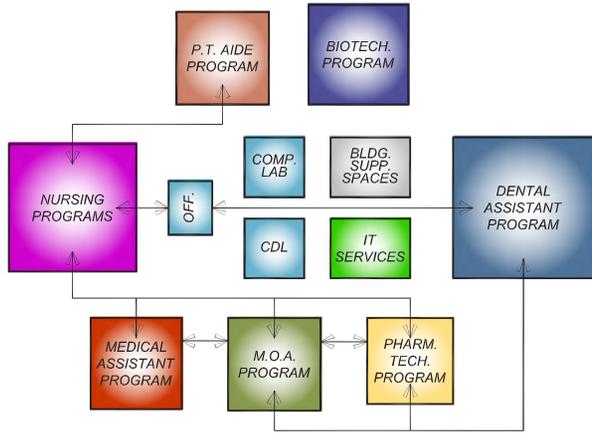
- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

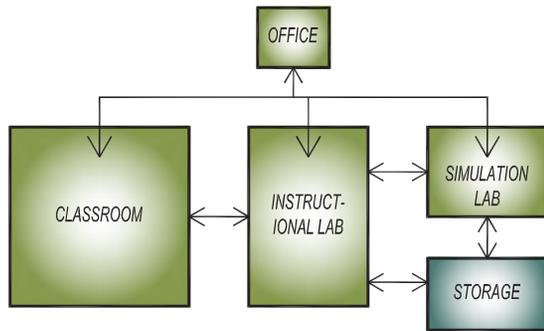
- Desktop computer, monitor and combo laser printer / copier / scanner.



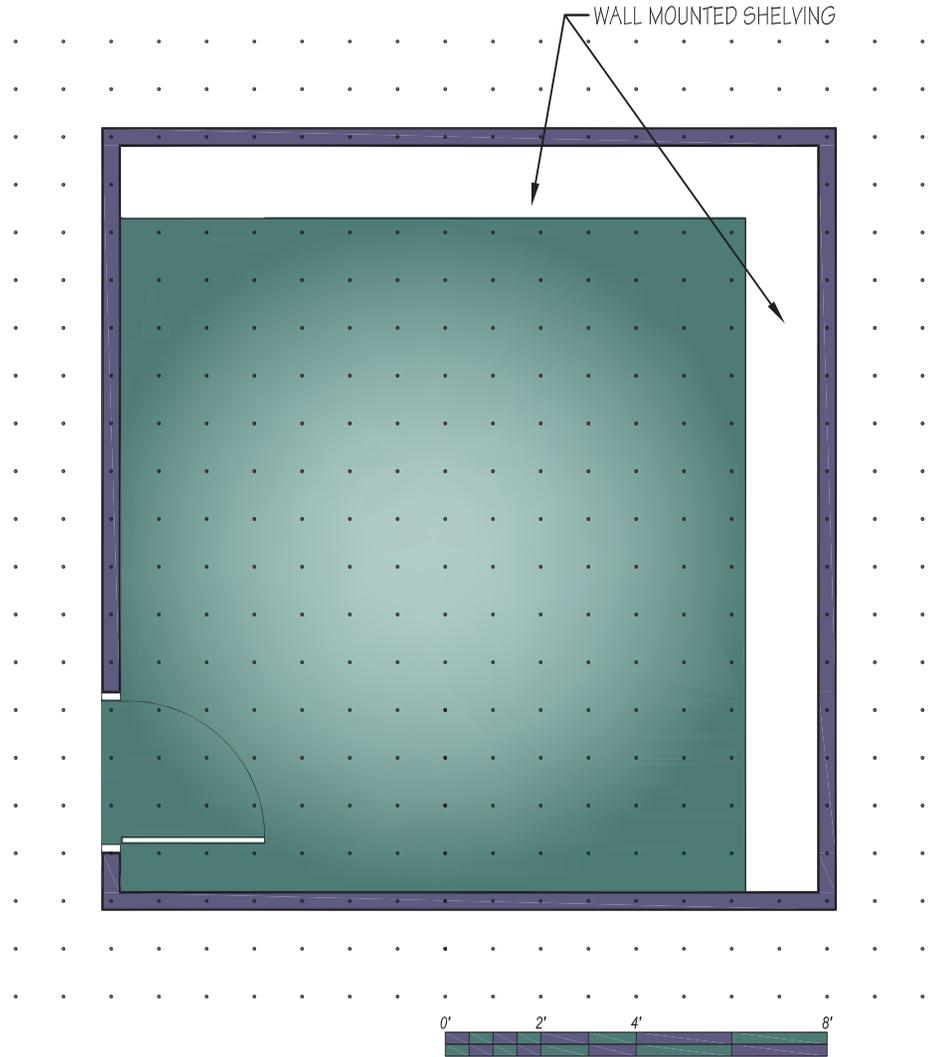
# INDIVIDUAL SPACE DIAGRAMS



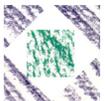
*Second Floor Relationship Diagram*



*Dental Office Admin Relationship Diagram*



## CLASSROOM / LAB STORAGE (SHARED WITH MOA) Dental Office Administration Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Secure Storage
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 240 sf
- Subtotal Required Area: 240 sf
- Subtotal Additional Area: 0 sf
- Total Area: 240 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty / Staff

### Function / Tasks

- Provide secure storage for teaching aids, equipment & supplies.

### Relationships

- Location: Second Floor
- Adjacency: DOA Classroom & Instructional Labs
- Proximity: None required
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: VCT w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: Electronic access lock

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- Wall-mounted shelving: (30 lf) 24"Dx84"H P.Lam. w/ (8) adjustable shelves

### Furnishings

- None required

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 0.15 CFM/SF (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 74°F
- Winter Design Temp.: 74°F

- Controls: Individual direct digital controls
- Sound Criteria: None required

- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall

- Data: Rough-in for future capacity
- Phone: Rough-in for future capacity

- Video: Rough-in for future capacity
- Intercom: Rough-in for future capacity

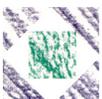
### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required

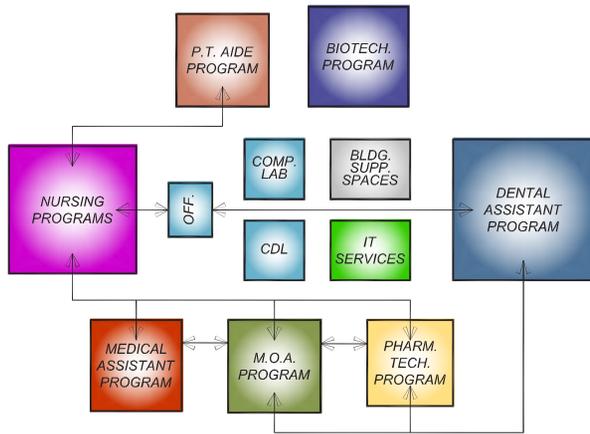
- Foot Candles: 30
- Controls: Occupancy sensor

### Equipment (NIC)

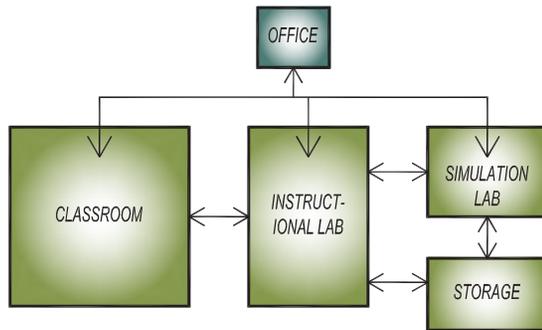
- None required.



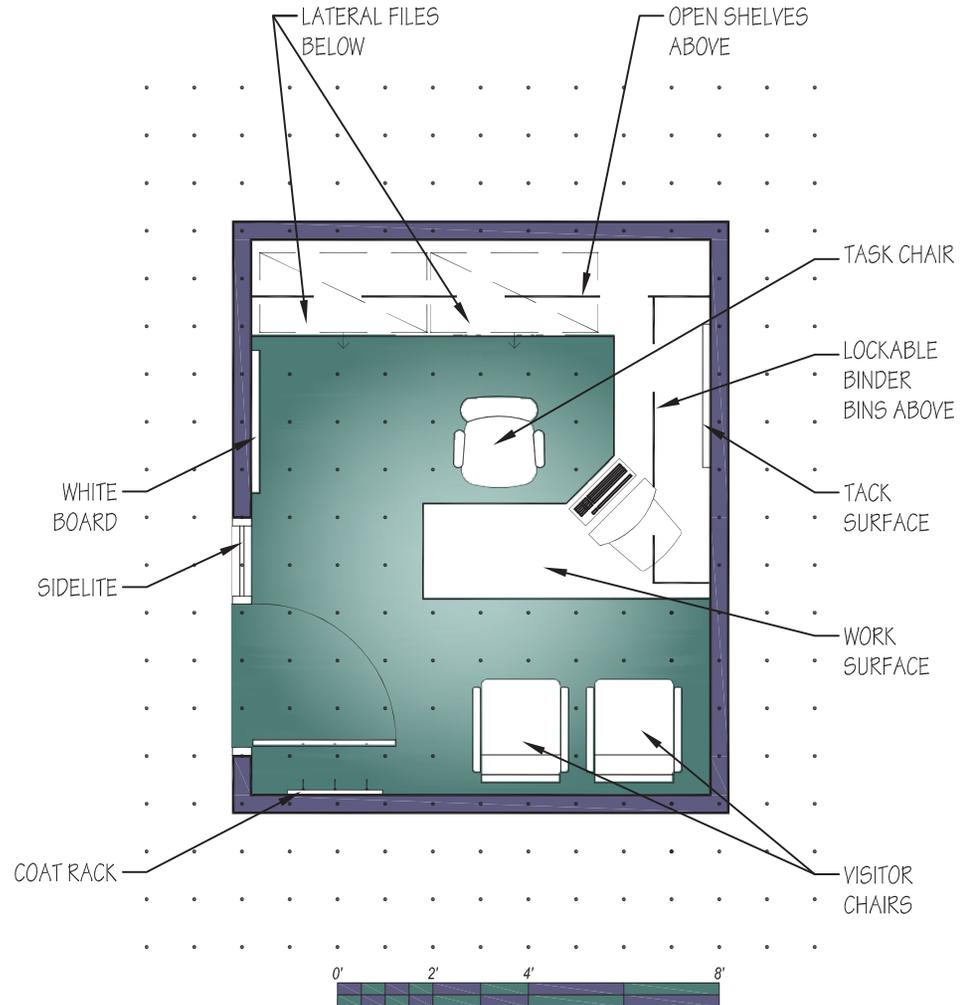
# INDIVIDUAL SPACE DIAGRAMS



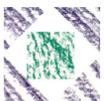
Second Floor Relationship Diagram



Dental Office Admin Relationship Diagram



## FACULTY OFFICE (SHARED WITH MOA) Dental Office Administration Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 120 sf
- Subtotal Additional Area: 0 sf
- Total Area: 120 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: Second Floor
- Adjacency: Classroom & Lab
- Proximity: Medical & Dental Assistant, Medical Office Administration
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical tile ceiling
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Coat Rack: 18x6x3/4 oak plate w/ 2 dbl-prong
- Whiteboard (alum. frame & tray): (1) 48"x48"

### Furnishings

- Work Surface: (1) 24"x60" & (1) 24"x78"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface w/ round end: (1) 24"x36"
- Shelf Unit, 2-shelves high: (2) 14"x48"
- Binder Bin w/ lockable door: (2) 15"x36"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

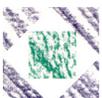
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

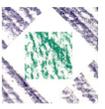
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

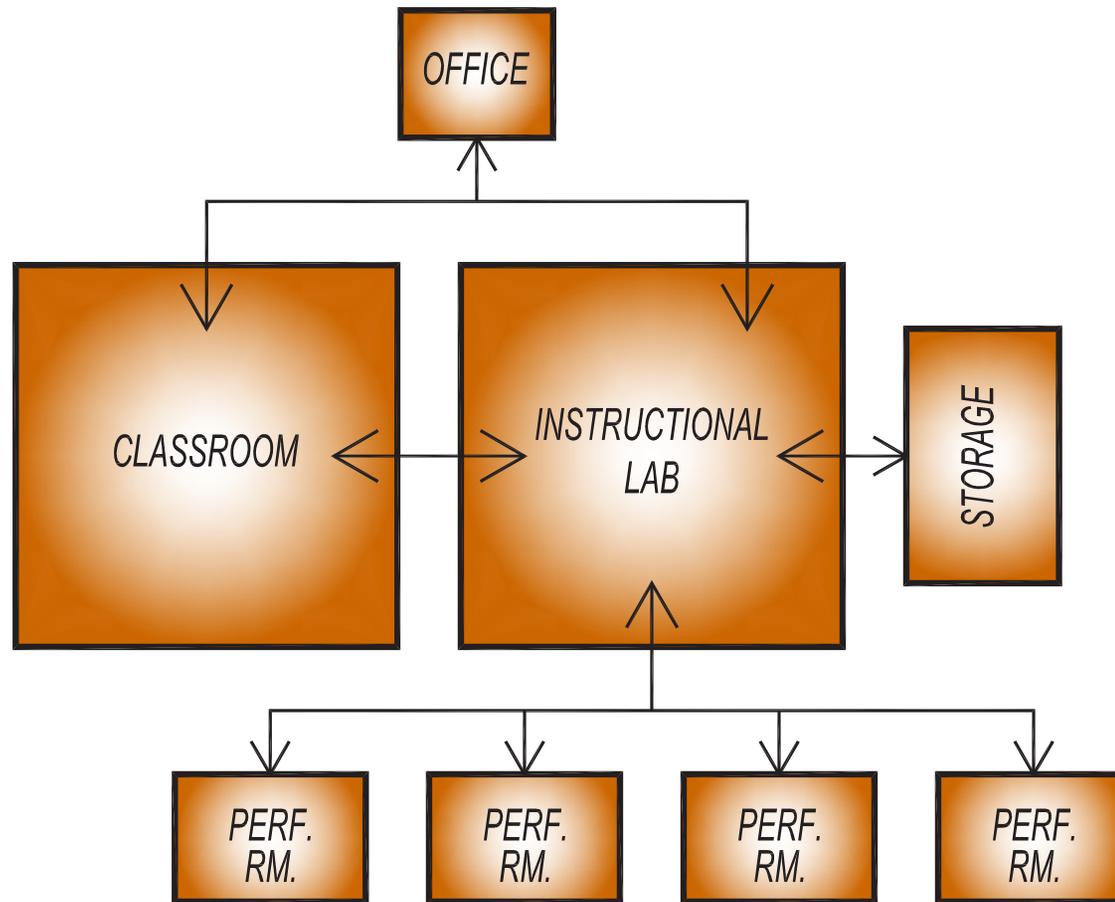
- Desktop computer, monitor & combo laser printer / copier / scanner.



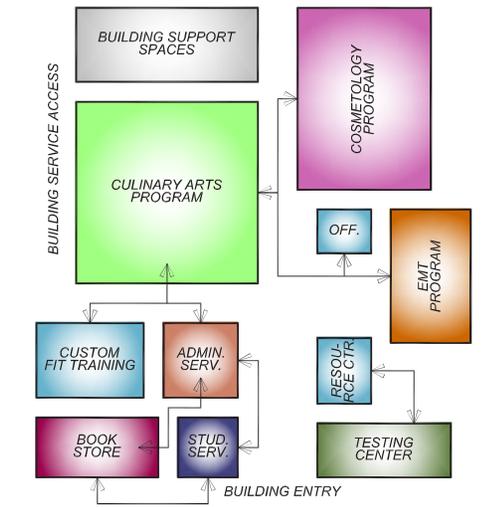


# INDIVIDUAL SPACE REQUIREMENTS

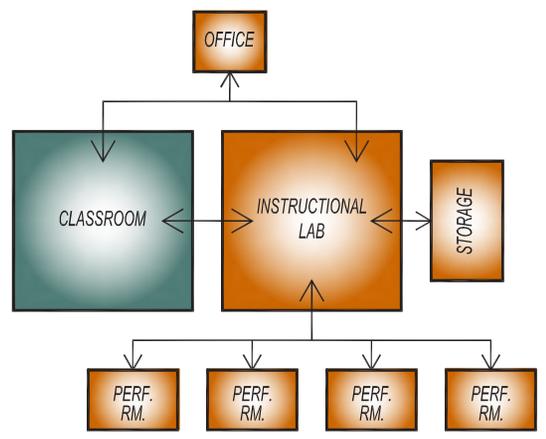
## EMERGENCY MEDICAL TECHNICIAN PROGRAM RELATIONSHIP DIAGRAM



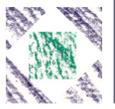
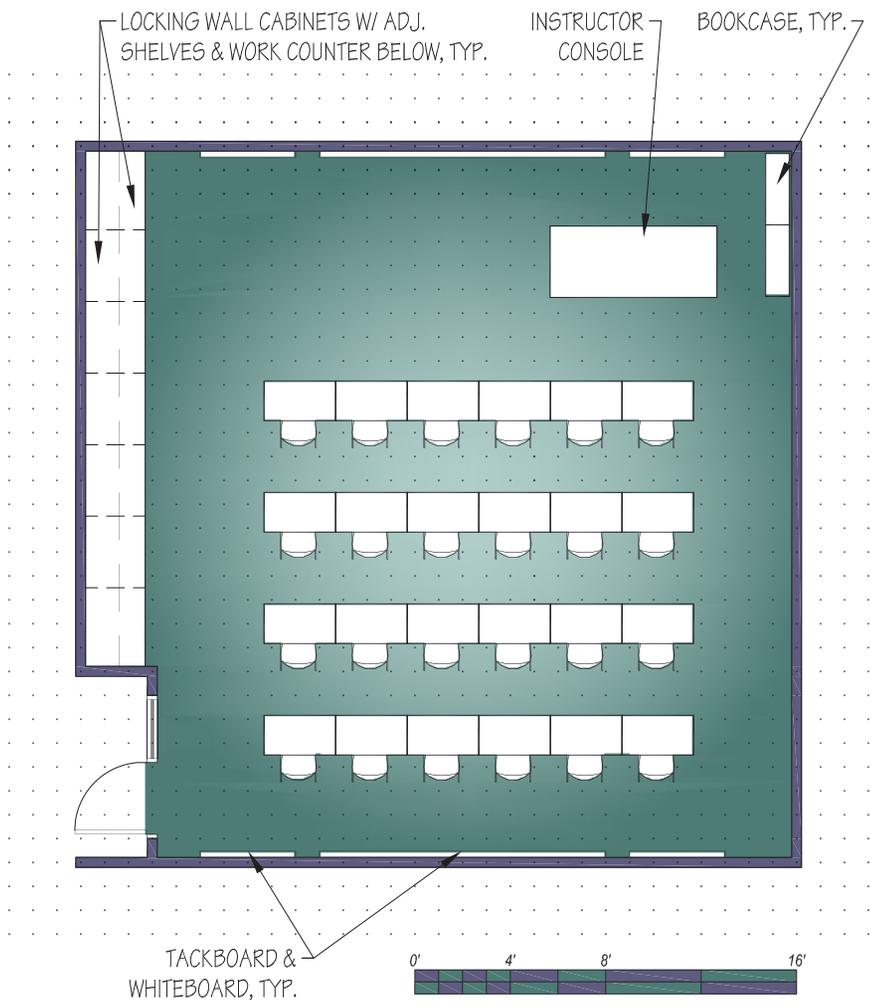
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



EMT Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Classroom
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 900 sf
- Subtotal Required Area: 900 sf
- Subtotal Additional Area: 0 sf
- Total Area: 900 sf

### Occupant Summary

- Student Stations: 25
- Area Per Station: 30 sf

### Function / Tasks

- Provide flexible teaching environment.

### Relationships

- Location: First Floor
- Adjacency: Performance Lab, Performance Rooms, Storage & Faculty Office
- Proximity: Physical Therapy Aide & Nursing Programs
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required, provide adequate light control for computer & multi-media use
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Instructor console w/ podium (1) 36"x84"
- Whiteboard w/ map rail & tray: (2) 168"x48"
- Tackboard w/ frame: (2) 48"x48"
- Solid surface work counter: (21 lf) 30"Dx27"H
- Hdwd. veneer wall cabinet: (21 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Hdwd. veneer bookcase: (2) 36"Wx12"Dx84"H w/ (5) adjustable shelves & (1) fixed shelf
- Projector mount / ports & cable connection: (1)
- Clock: (1)
- Projection screen: (1) 96"W

### Furnishings

- Student table: (25) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (26)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: Two (2) duplex receptacles per wall & at instructor station  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls & at instructor station  
One (1) wireless airport  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls & at instructor station
- Video: A/V system w/ internet connection
- Intercom: Ceiling speaker

### Lighting

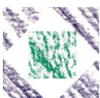
- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

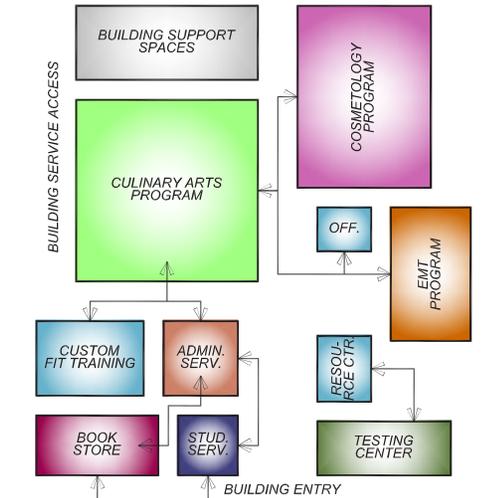
- Elmo desktop presentation unit: (1)
- Desktop computer, monitor, printer/scanner: (1)
- Capacity for 25 laptop computers; video monitors; overhead, opaque, slide & film projectors; & audio devices.

## CLASSROOM

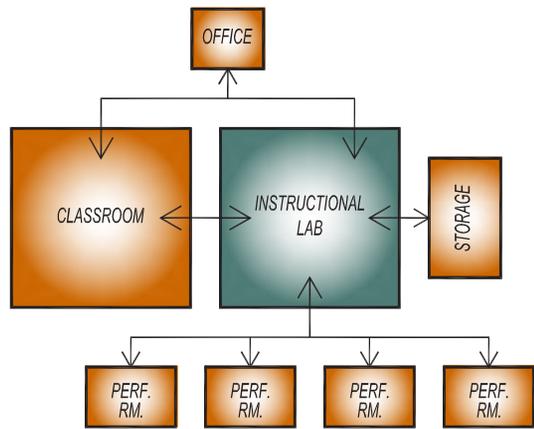
### Emergency Medical Technician Program



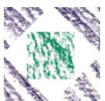
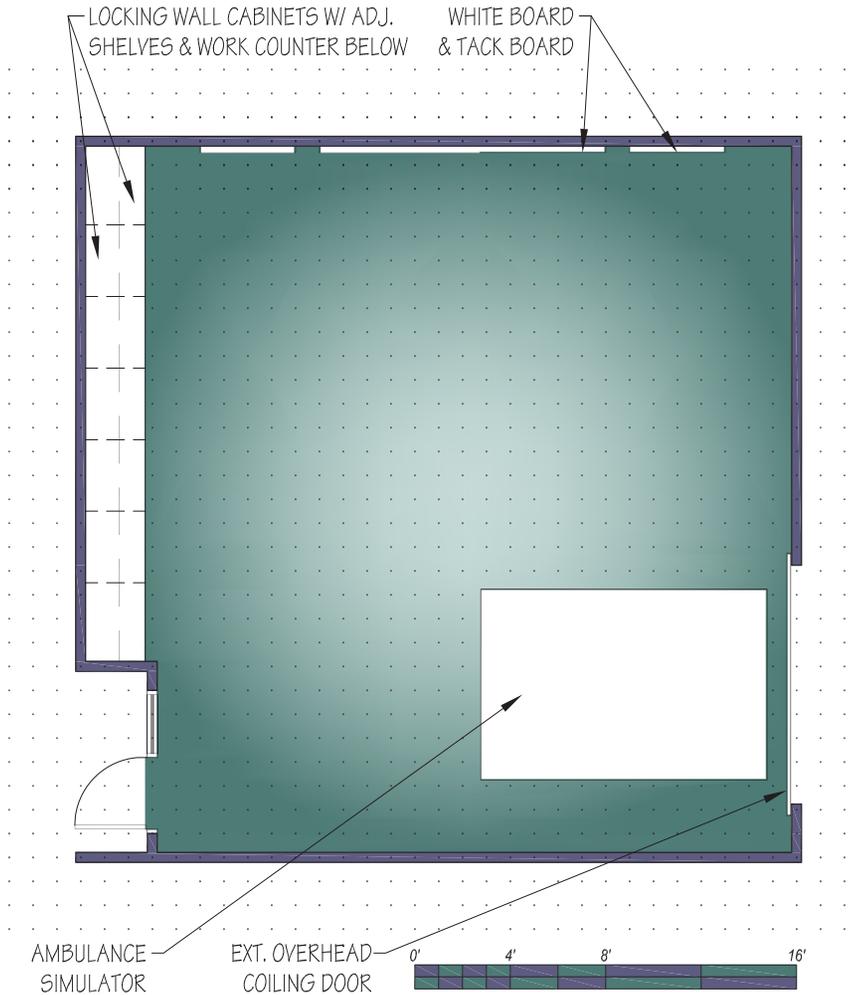
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*EMT Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 900 sf
- Subtotal Required Area: 900 sf
- Subtotal Additional Area: 0 sf
- Total Area: 900 sf

### Occupant Summary

- Student Stations: 18
- Area Per Station: 50 sf

### Function / Tasks

- Provide a specialized instructional environment.

### Relationships

- Location: First Floor
- Adjacency: Classroom, Performance Rooms, Storage & Faculty Office
- Proximity: Physical Therapy Aide & Nursing Programs
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation
- Exterior: Motorized, overhead coiling door, Insulated metal, powder-coated finish

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ 1/4" glazing

### Casework / Fixed Equipment

- Whiteboard w/ map rail & tray: (1) 144"x48"
- Tackboard w/ frame: (2) 48"x48"
- Clock: (1)
- Solid surface work counter: (21 lf) 30"Dx27"H
- Hdwd. veneer wall cabinet: (21 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Base cabinet

### Furnishings

- 

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 100% Exhaust
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤45 (NC/RC)
- Special Systems: Compressed air
- Plumbing: Hand wash sink  
Water, waste & vent

### Electrical

- Power: Two (2) duplex receptacles per wall  
Additional capacity for equipment listed

- Data: Two (2) devices per wall  
Additional capacity for equipment listed

- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

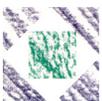
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: None required

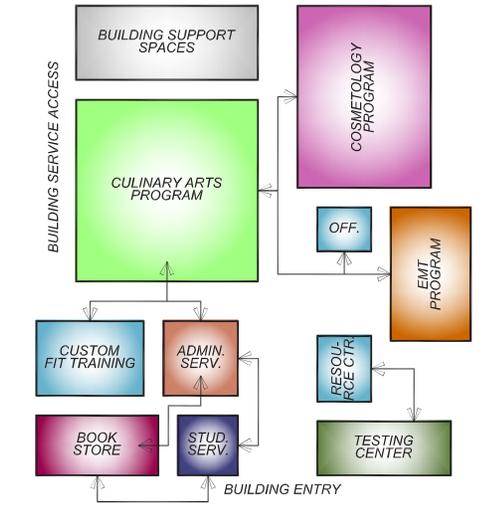
- Foot Candles: 40
- Controls: Occupancy sensor  
w/ local override

### Equipment (NIC)

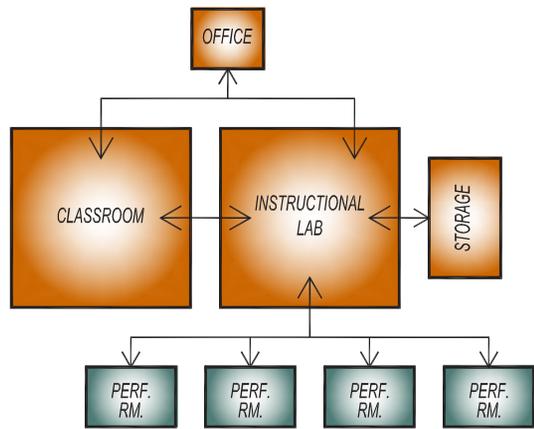
- Ambulance simulator



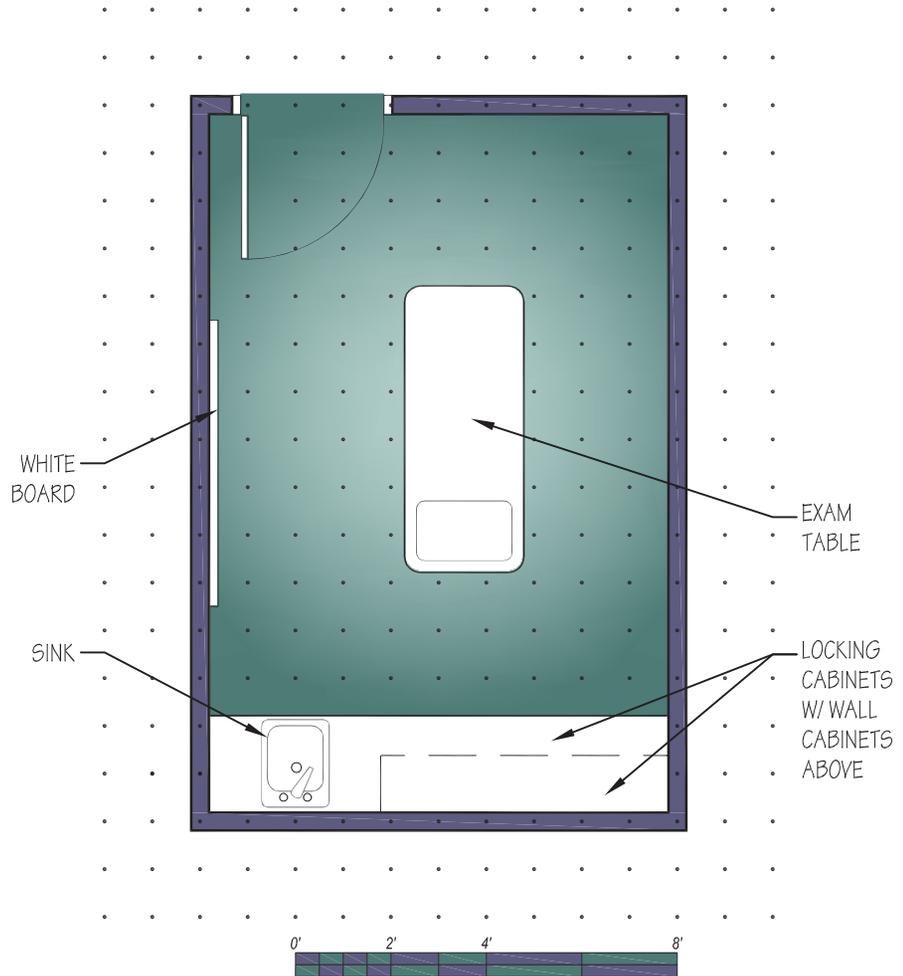
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*

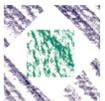


*EMT Relationship Diagram*



## PERFORMANCE ROOM

### Emergency Medical Technician Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 4
- Number Additional: 0
- Total Number: 4

### Net Area Summary

- Area (each): 150 sf
- Subtotal Required Area: 600 sf
- Subtotal Additional Area: 0 sf
- Total Area: 600 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty & Students

### Function / Tasks

- Provide a specialized space for small group interaction & testing.

### Relationships

- Location: First Floor
- Adjacency: Classroom, Performance Lab, & Faculty Office
- Proximity: Physical Therapy Aide & Nursing Programs
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Not required
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Whiteboard w/ map rail & tray: (1) 72"x48"
- Clock: (1)
- Base cabinet
- Hdwd. veneer wall cabinet: (6 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves

### Furnishings

- Standard exam table, stainless steel: (1)
- Waste can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)

- Special Systems: None required
- Plumbing: Handwash sink, water, waste, vent

### Electrical

- Power: Two (2) duplex receptacle per wall  
Additional capacity for equipment listed

- Data: Two (2) devices
- Phone: One (1) device

- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

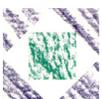
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: None required

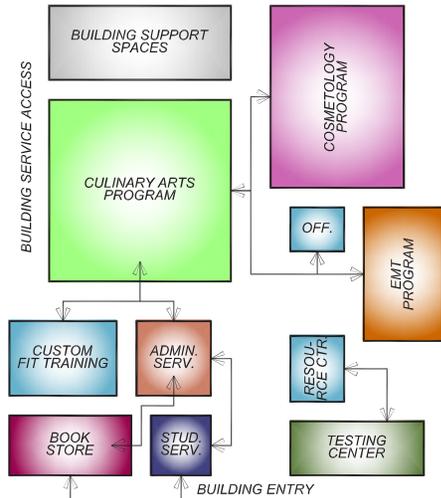
- Foot Candles: 50
- Controls: Occupancy sensor

### Equipment (NIC)

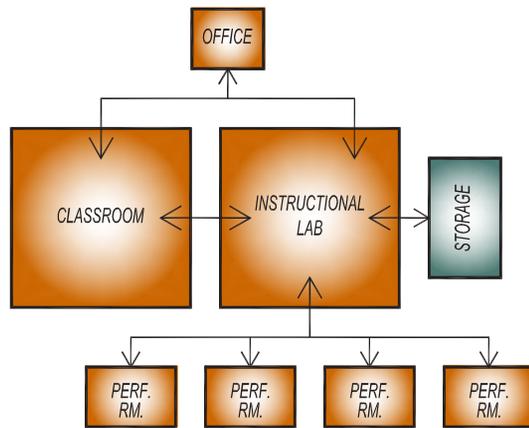
- None required



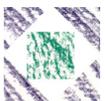
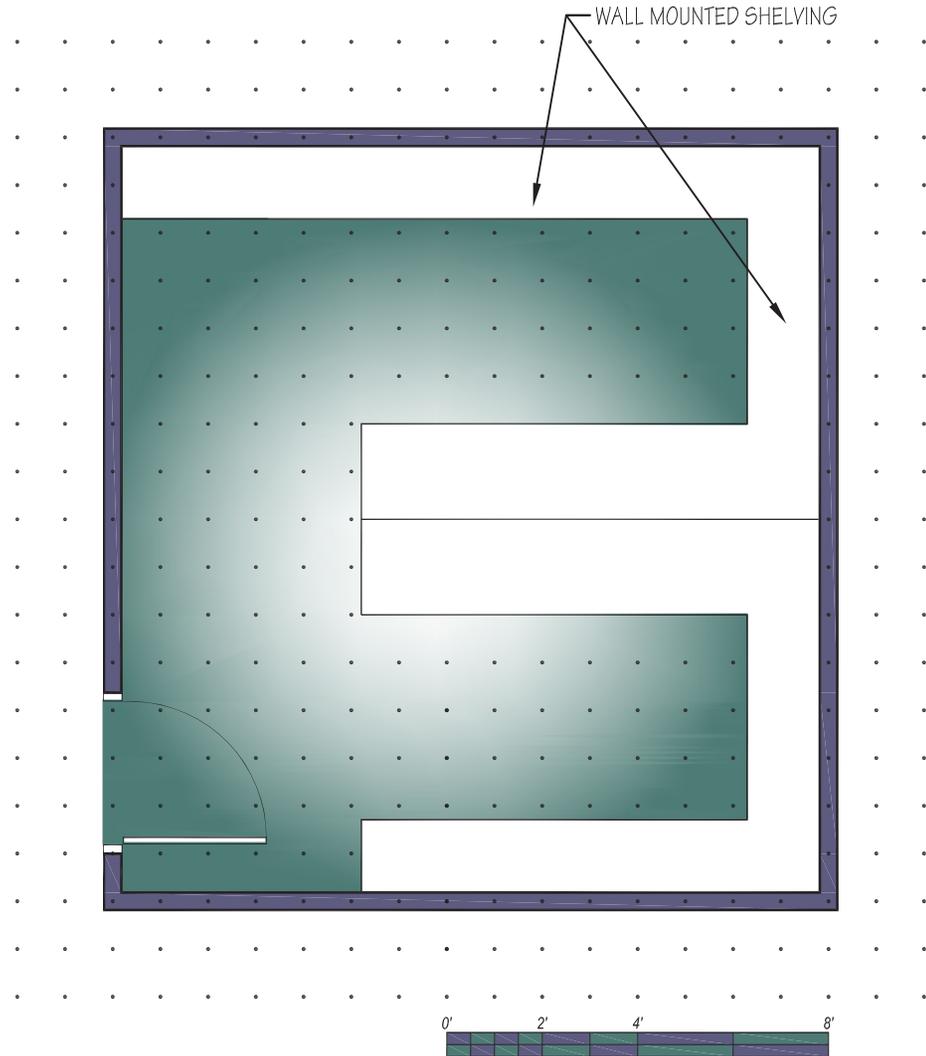
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



EMT Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Secure Storage
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	240 sf
• Subtotal Required Area:	240 sf
• Subtotal Additional Area:	0 sf
• Total Area:	240 sf

### Occupant Summary

• Assigned Occupants:	0
• Users:	Faculty / Staff

### Function / Tasks

- Provide secure storage for teaching aids, equipment & supplies.

### Relationships

• Location:	First Floor
• Adjacency:	EMT Classroom & Instructional Labs
• Proximity:	None required
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	VCT w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

• Type:	Solid core wood w/ clear finish
• Frame:	Painted hollow metal
• Special:	Electronic access lock

### Windows

• Natural Light:	Not required
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### Casework / Fixed Equipment

• Wall-mounted shelving:	(30 lf) 24"Dx84"H
	P.Lam. w/ (8) adjustable shelves

### Furnishings

• None required	
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## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	0.15 CFM/SF (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	74°F
• Winter Design Temp.:	74°F

• Controls:	Individual direct digital controls
• Sound Criteria:	None required

• Special Systems:	None required
• Plumbing:	None required

### Electrical

• Power:	One (1) duplex receptacle each wall
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• Data:	Rough-in for future capacity
• Phone:	Rough-in for future capacity

• Video:	Rough-in for future capacity
• Intercom:	Rough-in for future capacity

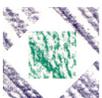
### Lighting

• Fixture Type:	T-8 Fluorescent lay-in
• Task Light:	None required

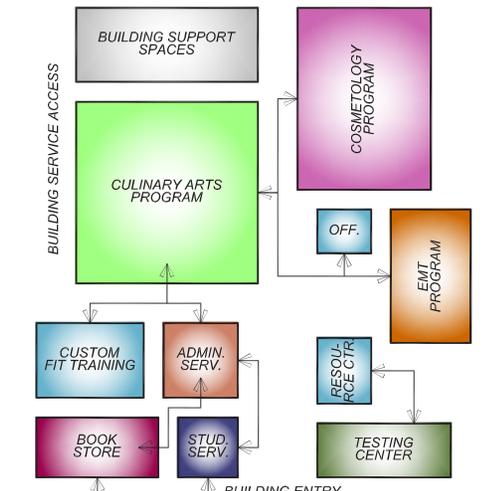
• Foot Candles:	30
• Controls:	Occupancy sensor

### Equipment (NIC)

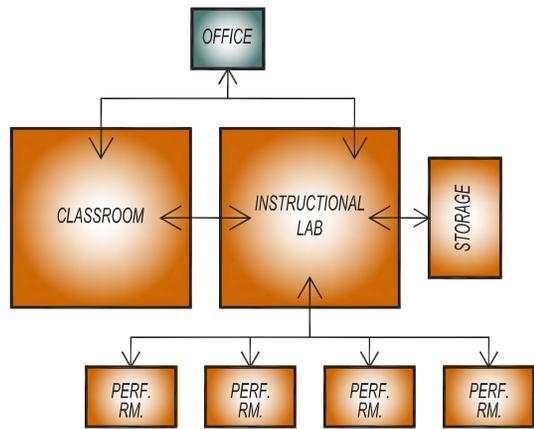
• None required.	
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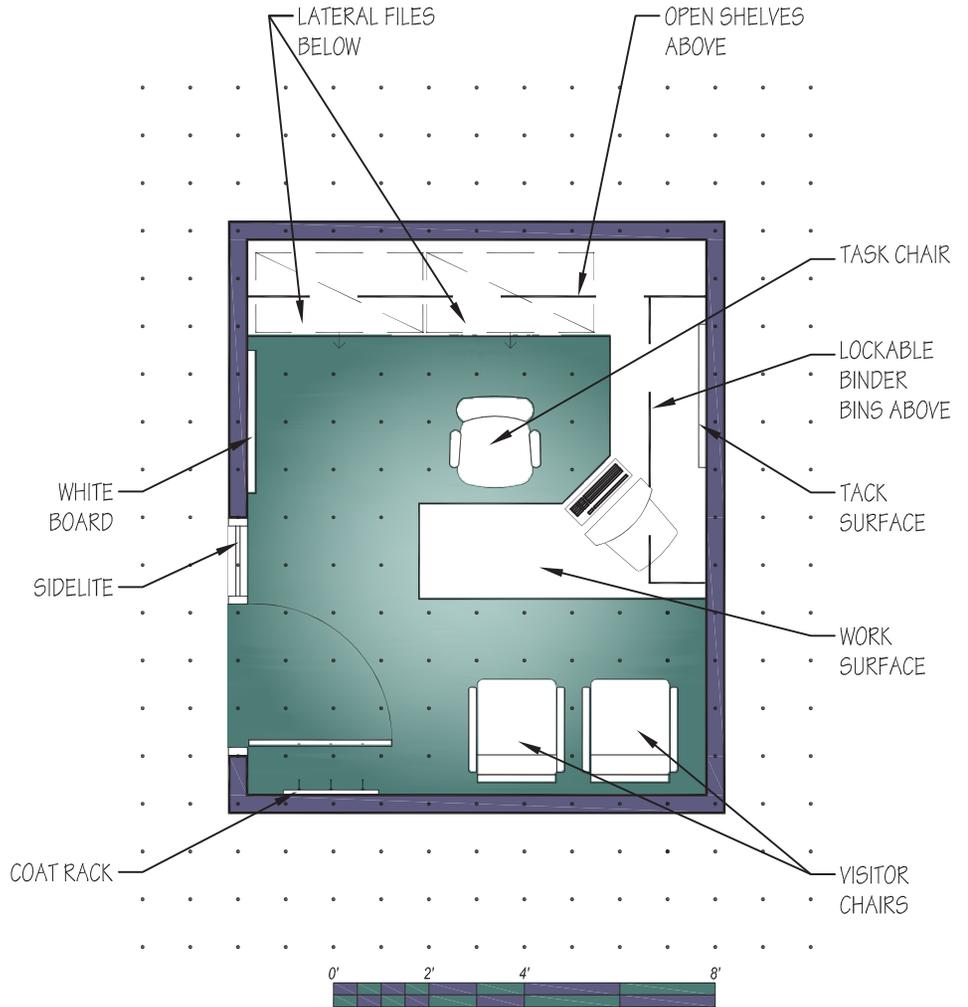
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



EMT Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 120 sf
- Subtotal Additional Area: 0 sf
- Total Area: 120 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: Classroom, Performance Lab, Performance Rooms
- Proximity: Physical Therapy Aide & Nursing Programs
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical tile ceiling
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Coat Rack: 18x6x<sup>3</sup>/<sub>4</sub> oak plate w/ 2 dbl-prong
- Whiteboard (alum. frame & tray): (1) 48"x48"

### Furnishings

- Work Surface: (1) 24"x60" & (1) 24"x78"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface w/ round end: (1) 24"x36"
- Shelf Unit, 2-shelves high: (2) 14"x48"
- Binder Bin w/ lockable door: (2) 15"x36"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

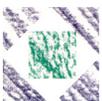
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

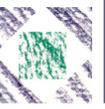
- Desktop computer, monitor & combo laser printer / copier / scanner.





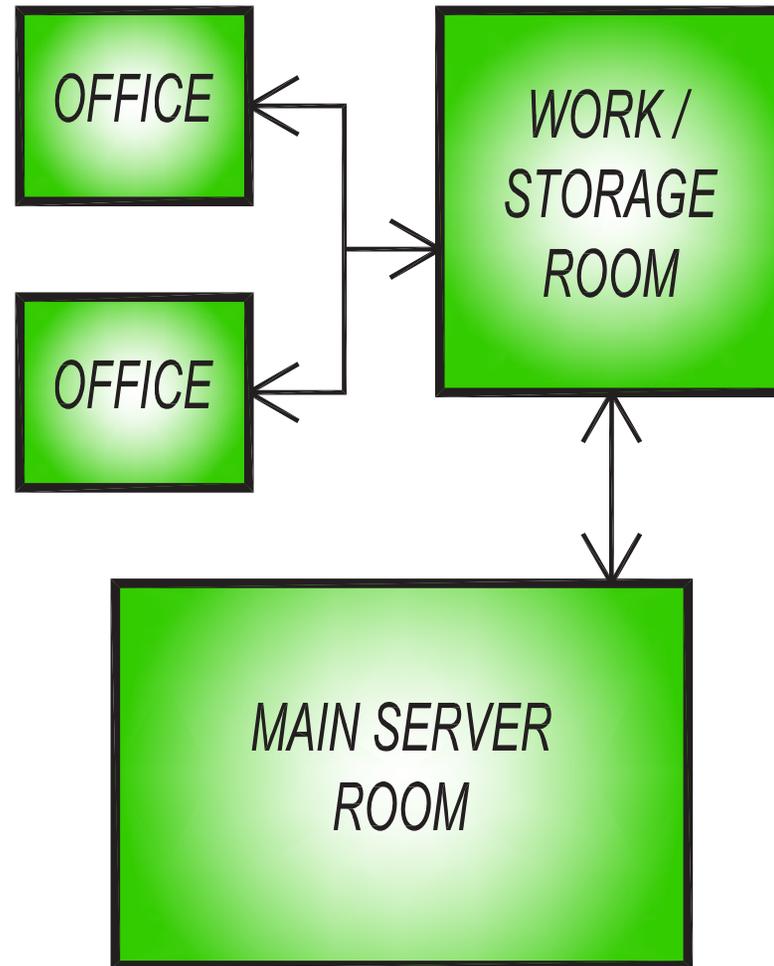
**NORTHERN *Utah* CAMPUS *New* BUILDING PROGRAM**  
Mountainland Applied Technology College

**HFS**Architects

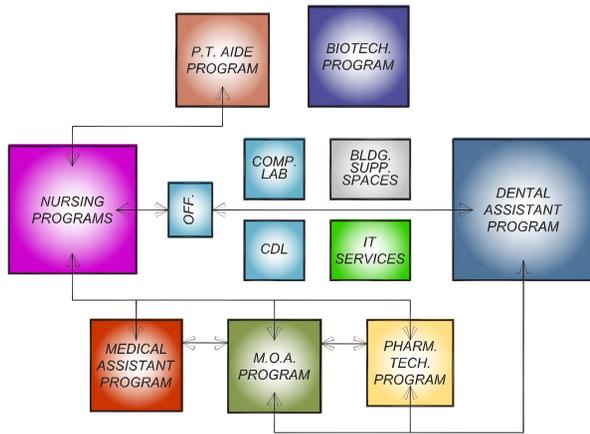


# INDIVIDUAL SPACE REQUIREMENTS

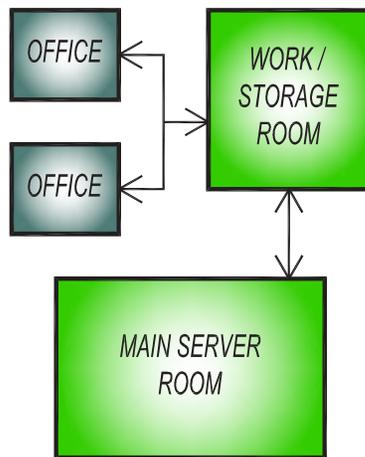
## IT SERVICES RELATIONSHIP DIAGRAM



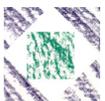
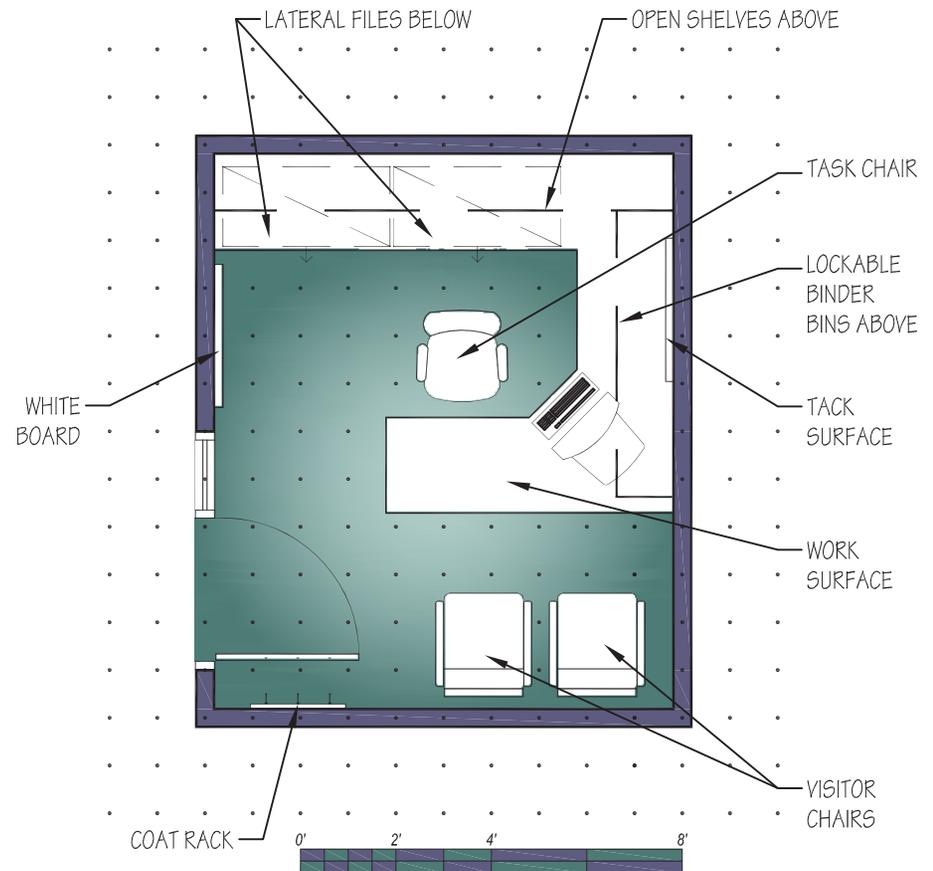
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



IT Services Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 2
- Number Additional: 0
- Total Number: 2

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 240 sf
- Subtotal Additional Area: 0 sf
- Total Area: 240 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: Second Floor
- Adjacency: IT Work / Storage Room
- Proximity: Main Server Room
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical tile ceiling
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Coat Rack: 18x6x3/4 oak plate w/ 2 dbl-prong
- Whiteboard (alum. frame & tray): (1) 48"x48"

### Furnishings

- Work Surface: (1) 24"x60" & (1) 24"x78"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface w/ round end: (1) 24"x36"
- Shelf Unit, 2-shelves high: (2) 14"x48"
- Binder Bin w/ lockable door: (2) 15"x36"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

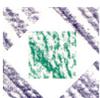
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

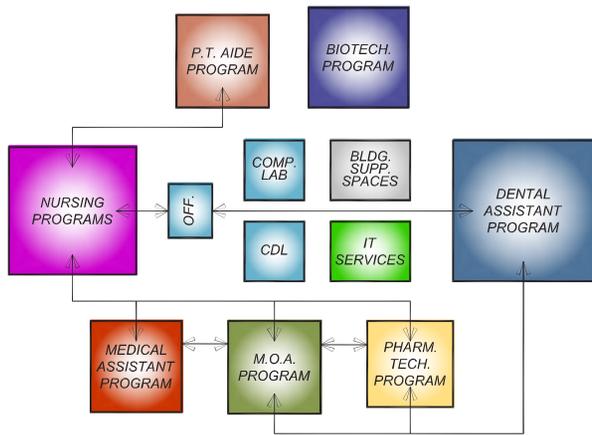
- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

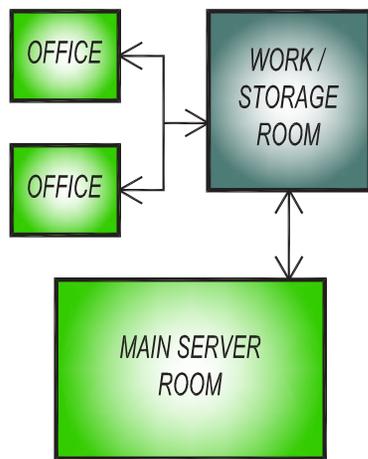
- Desktop computer, (2) monitors & combo laser printer / copier / scanner.



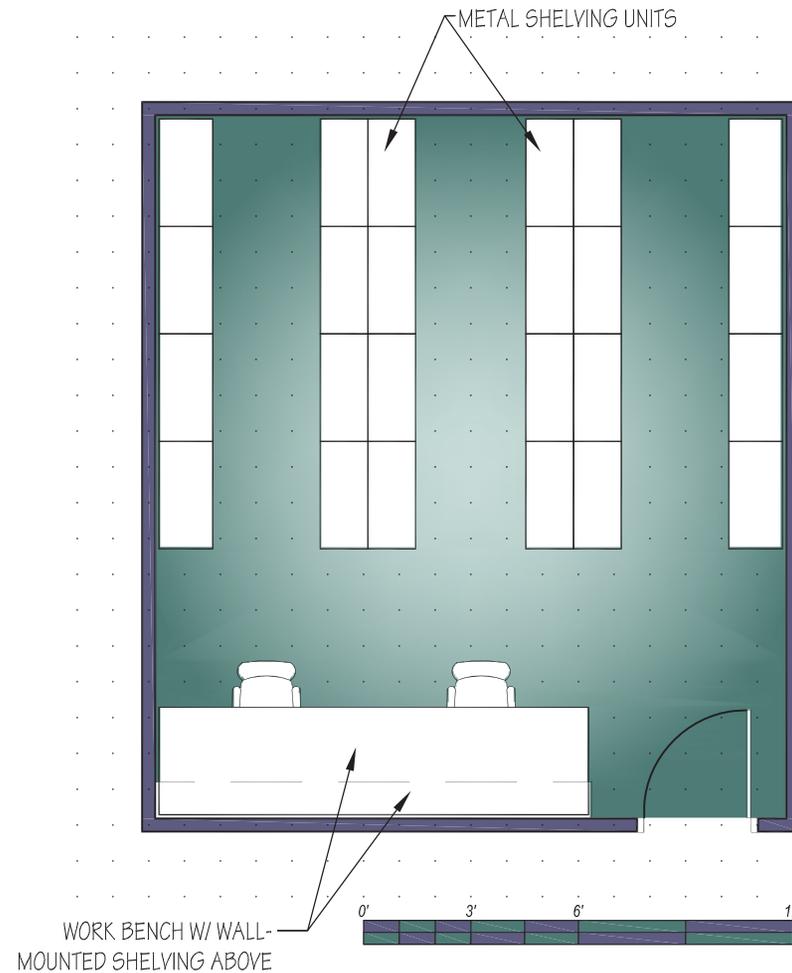
# INDIVIDUAL SPACE DIAGRAMS



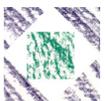
Second Floor Relationship Diagram



IT Services Relationship Diagram



## WORK / STORAGE ROOM IT Services



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Secure Work / Storage Room
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 360 sf
- Subtotal Required Area: 360 sf
- Subtotal Additional Area: 0 sf
- Total Area: 360 sf

### Occupant Summary

- Occupants: 0
- Users: IT staff

### Function / Tasks

- Provide a secure area for storage of computer parts.
- Provide an area for servicing and repairing computers.

### Relationships

- Location: Second Floor
- Adjacency: IT Offices
- Proximity: Main Server Room
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: VCT w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical ceiling
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- Wall-mounted shelving:

### Furnishings

- Waste can: (1) 14" diameter
- Metal shelving units:
- Work bench:
- Task chair, armless, swivel, adjustable: (26)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 100% Exhaust
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

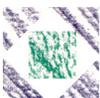
- Power: Two (2) quad receptacle @ workbench  
Two (2) duplex receptacle each wall
- Data: Four (4) devices at workbench  
One (1) device each wall
- Phone: One (1) device each workbench
- Video: Rough-in for future capacity
- Intercom: Ceiling

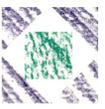
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

- None required

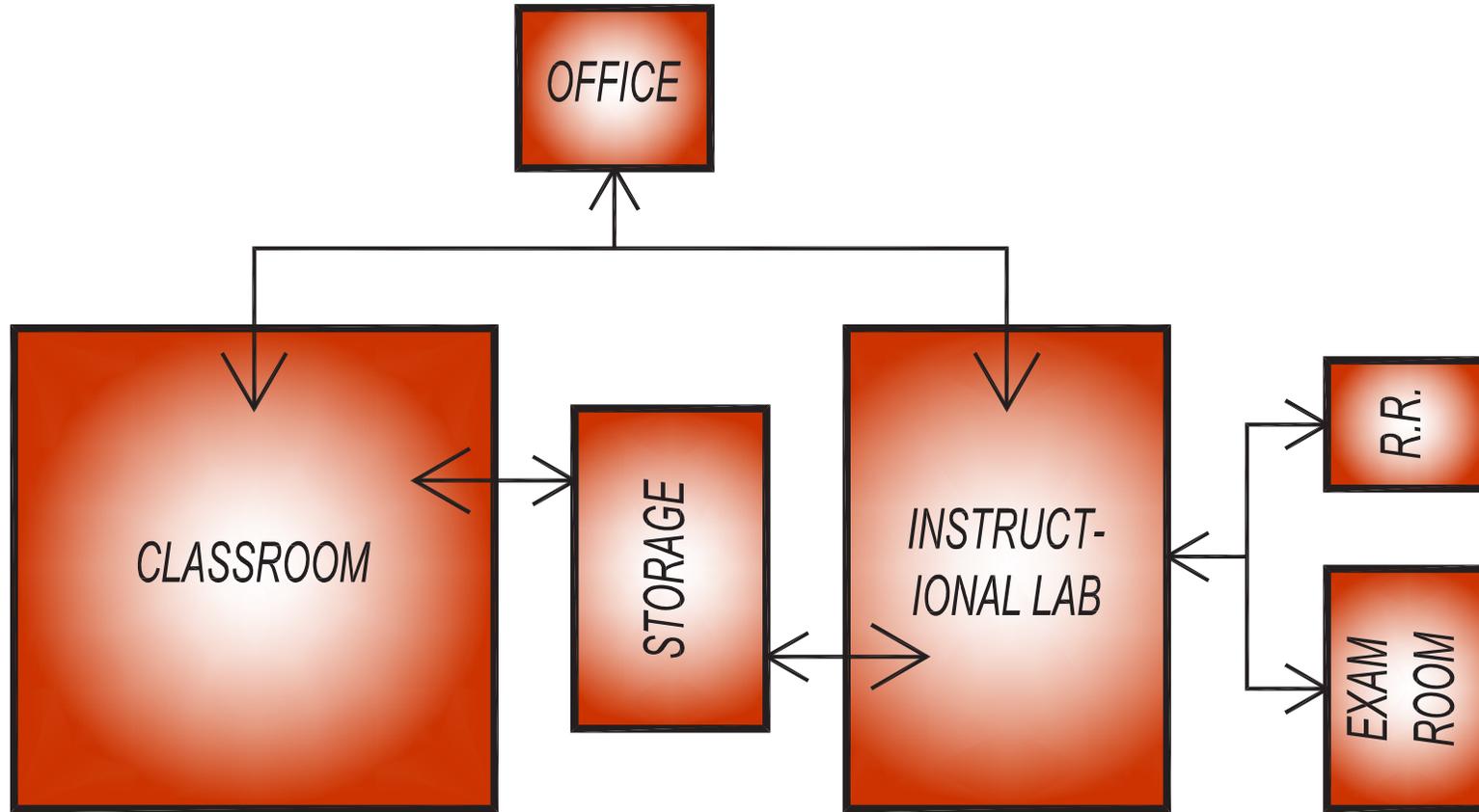




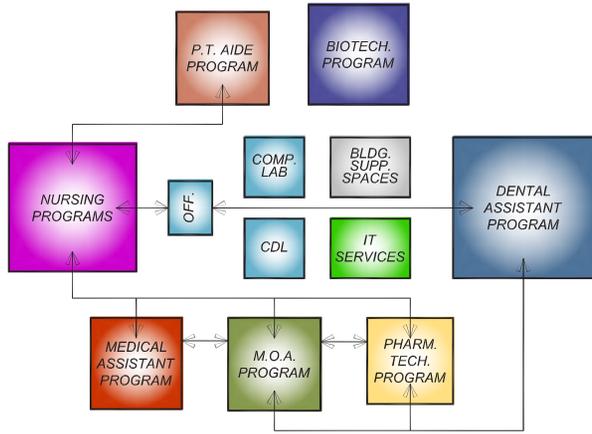
# INDIVIDUAL SPACE REQUIREMENTS



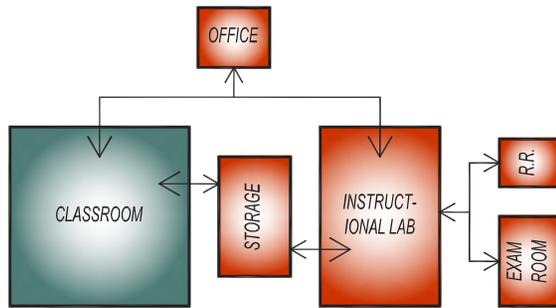
*MEDICAL ASSISTANT PROGRAM RELATIONSHIP DIAGRAM*



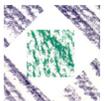
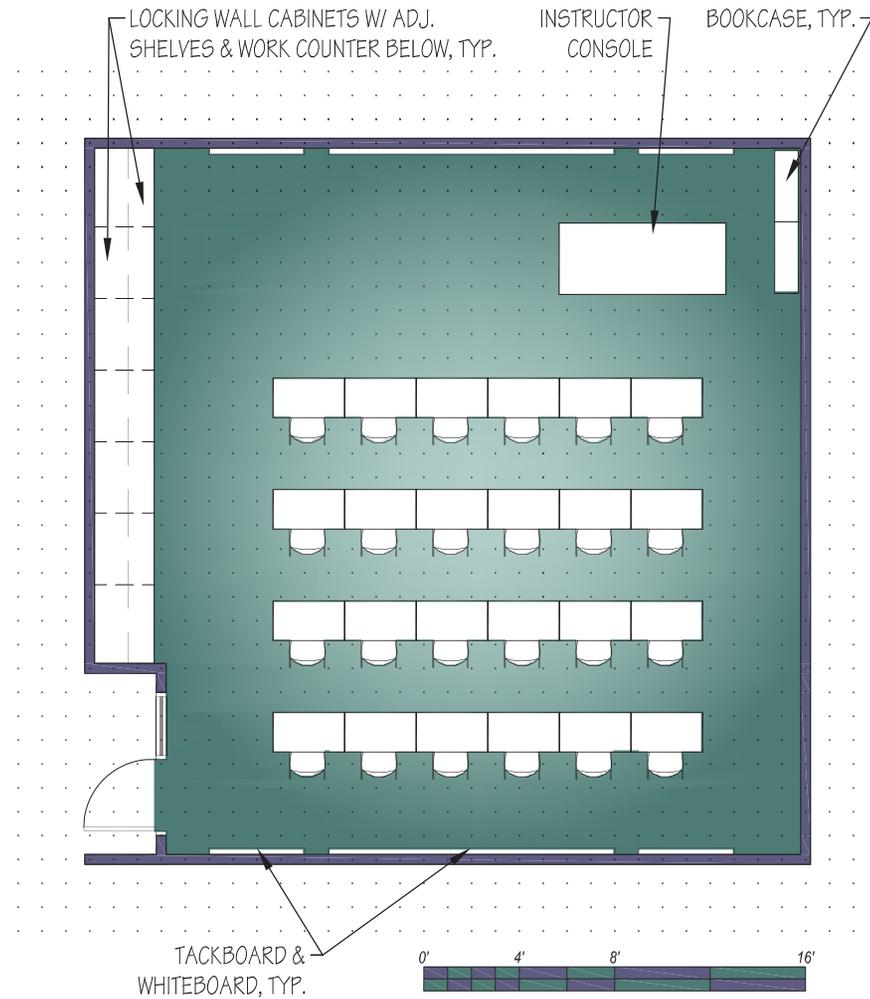
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



Medical Assistant Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Classroom
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 900 sf
- Subtotal Required Area: 900 sf
- Subtotal Additional Area: 0 sf
- Total Area: 900 sf

### Occupant Summary

- Student Stations: 25
- Area Per Station: 30 sf

### Function / Tasks

- Provide flexible teaching environment.

### Relationships

- Location: Second Floor
- Adjacency: Medical Assistant Labs, Storage & Faculty Office
- Proximity: Nursing, Physical Therapy Aide, & Dental Assistant Programs
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required, provide adequate light control for computer & multi-media use
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Instructor console w/ podium (1) 36"x84"
- Whiteboard w/ map rail & tray: (2) 168"x48"
- Tackboard w/ frame: (2) 48"x48"
- Solid surface work counter: (21 lf) 30"Dx27"H
- Hdwd. veneer wall cabinet: (21 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Hdwd. veneer bookcase: (2) 36"Wx12"Dx84"H w/ (5) adjustable shelves & (1) fixed shelf
- Projector mount / ports & cable connection: (1)
- Clock: (1)
- Projection screen (1) 96"W

### Furnishings

- Student table: (25) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (26)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

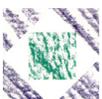
- Power: Two (2) duplex receptacles per wall & at instructor station  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls & at instructor station  
One (1) wireless airport  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls & at instructor station
- Video: A/V system w/ internet connection
- Intercom: Ceiling speaker

### Lighting

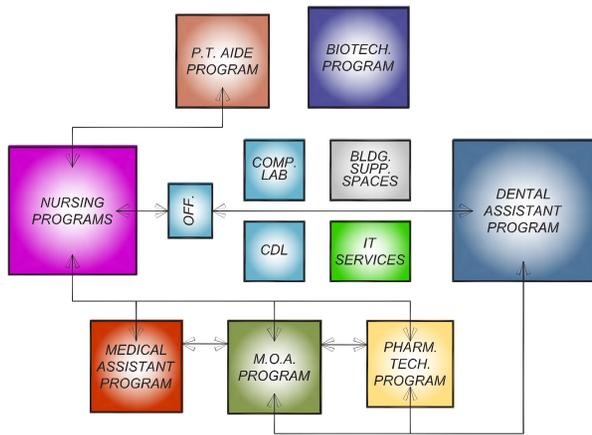
- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

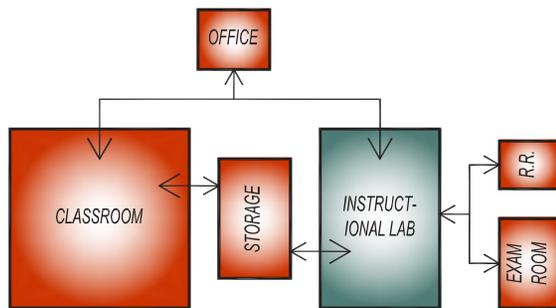
- Elmo desktop presentation unit: (1)
- Desktop computer, monitor, printer/scanner: (1)
- Capacity for 25 laptop computers; video monitors; overhead, opaque, slide & film projectors; & audio devices.



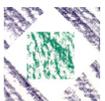
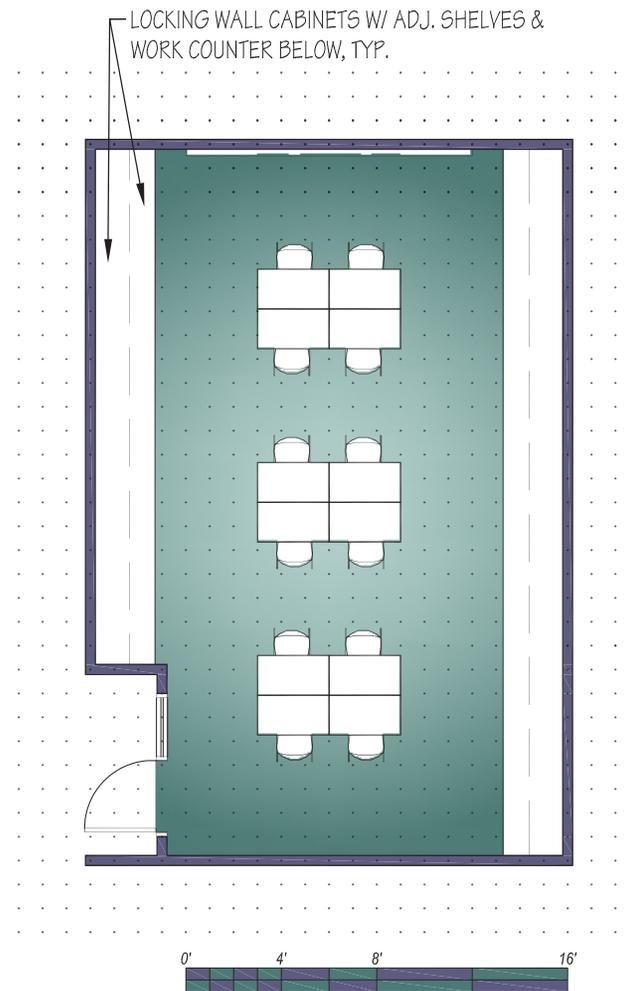
# INDIVIDUAL SPACE DIAGRAMS



*Second Floor Relationship Diagram*



*Medical Assistant Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 600 sf
- Subtotal Required Area: 600 sf
- Subtotal Additional Area: 0 sf
- Total Area: 600 sf

### Occupant Summary

- Student Stations: 12
- Area Per Station: 50 sf

### Function / Tasks

- Provide specialized instructional environment.

### Relationships

- Location: Second Floor
- Adjacency: Classroom, Exam Room, Storage & Faculty Office
- Proximity: Nursing, Physical Therapy Aide, & Dental Assistant Programs
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: None required

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Whiteboard w/ map rail & tray: (1) 144"x48"
- Tackboard w/ frame: (2) 48"x48"
- Hdwd. veneer base cabinet: (72 lf) 30"Dx36"H w/ solid surface countertop, lockable doors & drawers, adjustable shelf
- Hdwd. veneer wall cabinet: (72 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Clock: (1)

### Furnishings

- Student table: (12) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (12)
- Waste can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: None required
- Plumbing: Hand wash sink  
Water, waste & vent

### Electrical

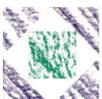
- Power: Two (2) duplex receptacles per wall  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

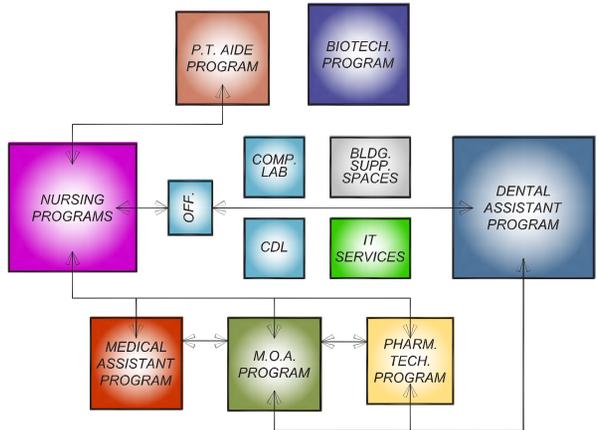
- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

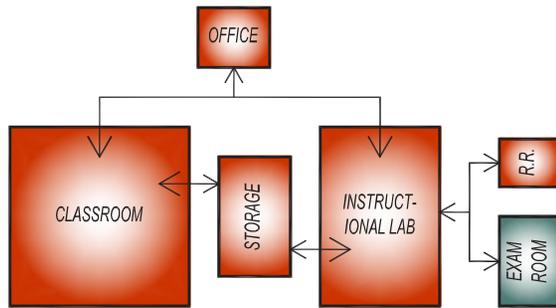
- Autoclave: (1)
- Petry cooker: (1)
- Centrifuge: (3)
- Nebuliz: (2)
- Refrigerator: (1)



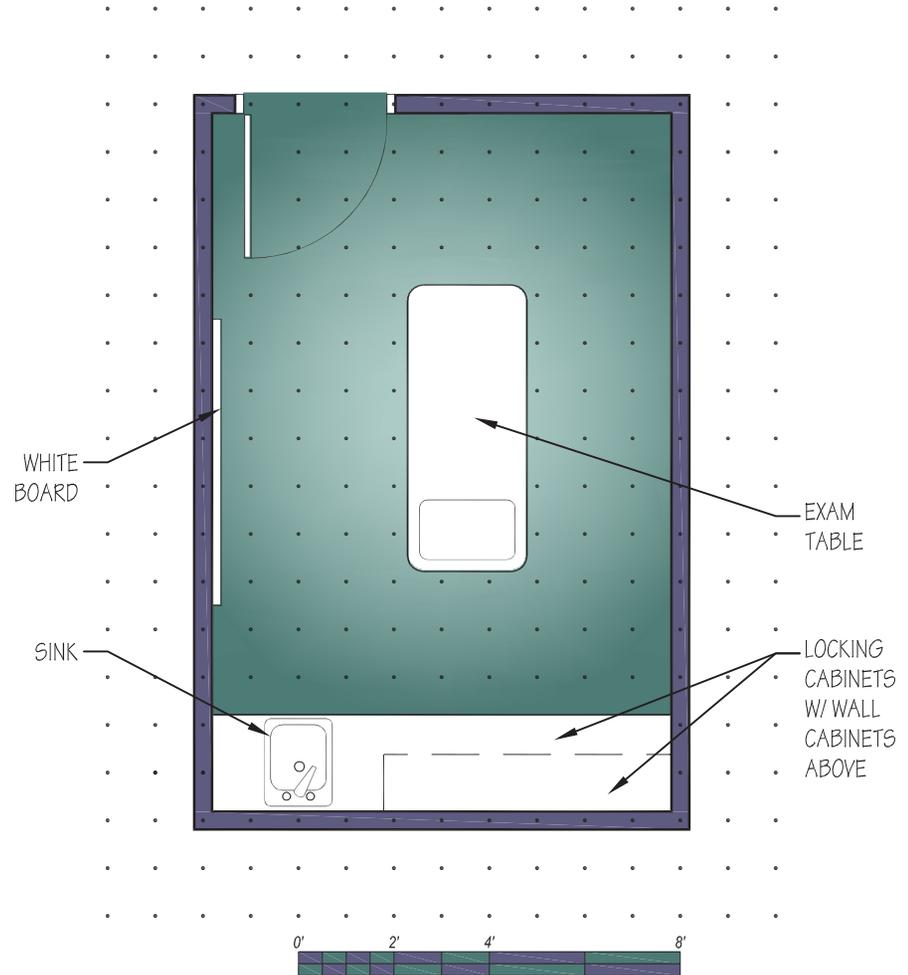
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram

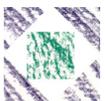


Medical Assistant Relationship Diagram



## PATIENT EXAM SIMULATION LAB

### Medical Assistant Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Instructional Lab
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	150 sf
• Subtotal Required Area:	150 sf
• Subtotal Additional Area:	0 sf
• Total Area:	150 sf

### Occupant Summary

• Assigned Occupants:	0
• Users:	Faculty & Students

### Function / Tasks

- Provide specialized instructional environment.

### Relationships

• Location:	Second Floor
• Adjacency:	Classroom, Labs & Faculty Office
• Proximity:	Nursing, Physical Therapy Aide, & Dental Assistant Programs
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Static-free carpet w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x4 acoustical panel
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

• Type:	Solid-core wood w/ clear finish
• Frame:	Painted hollow metal w/ glazed sidelite
• Special:	None required

### Windows

• Natural Light:	Not required
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### Casework / Fixed Equipment

• Whiteboard w/ map rail & tray:	(1) 72"x48"
• Hdwd. veneer base cabinet:	(10 lf) 24"Dx36"H w/ solid surface countertop, lockable doors & drawers, adjustable shelf
• Hdwd. veneer wall cabinet:	(6 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
• Wall-mounted sharps container:	(1)
• Clock:	(1)

### Furnishings

• Standard exam table:	(1) 30"x72"
• Waste can:	(1) 14" diameter
• Biohazard waste receptacle:	(1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	20 CFM/person (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	72°F
• Winter Design Temp.:	72°F

• Controls:	Individual direct digital controls
• Sound Criteria:	≤35 (NC/RC)

• Special Systems:	None required
• Plumbing:	Hand wash sink Water, waste & vent

### Electrical

• Power:	One (1) duplex receptacle per wall Additional capacity for equipment listed
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• Data:	Two (2) devices
• Phone:	One (1) device

• Video:	Rough-in for future capacity
• Intercom:	Ceiling speaker

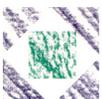
### Lighting

• Fixture Type:	T-8 Fluorescent lay-in indirect
• Task Light:	None required

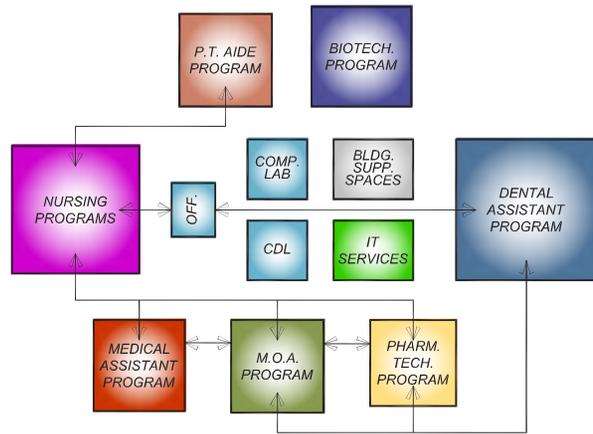
• Foot Candles:	50
• Controls:	Occupancy sensor

### Equipment (NIC)

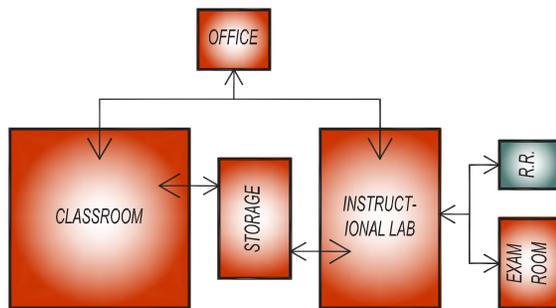
- None required



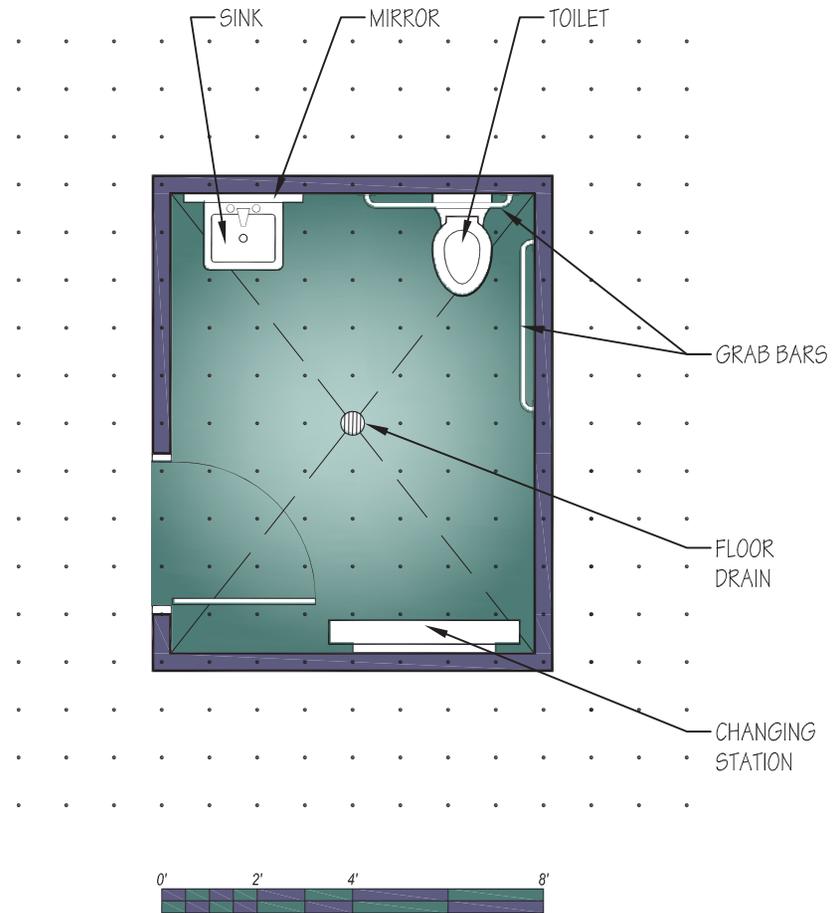
# INDIVIDUAL SPACE DIAGRAMS



*Second Floor Relationship Diagram*

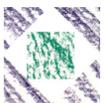


*Medical Assistant Relationship Diagram*



## PATIENT RESTROOM SIMULATION LAB

### Medical Assistant Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 80 sf
- Subtotal Required Area: 80 sf
- Subtotal Additional Area: 0 sf
- Total Area: 80 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty & Students

### Function / Tasks

- Provide a restroom for gathering & disposing of urine samples.

### Relationships

- Location: Second Floor
- Adjacency: Classroom, Lab, Exam Room & Faculty Office
- Proximity: Nursing, Physical Therapy Aide, & Dental Assistant Programs
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Ceramic tile w/ 4" ceramic tile base
- Walls: Ceramic tile
- Ceiling: Suspended gypsum board w/ acoustical tile
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- Water closet: (1)
- Lavatory w/ built-in base cabinet: (1) 3 lf
- Mirror w/ stainless steel shelf: (1) 30"x48"
- Grab bars, stainless steel: As required
- Dispensers for paper towels, soap, toilet paper, sanitary napkins: As required
- Waste receptacles, stainless steel: (1)
- Changing station: (1)

### Furnishings

- None required.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 75 CFM/WC or Urinal
- Air Circulation: 100% Exhaust
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤40 (NC/RC)
- Special Systems: 5 Minute air changes (min.)
- Plumbing: Floor drain, water, waste & vent

### Electrical

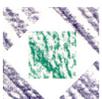
- Power: One (1) GFCI duplex receptacle
- Data: None required
- Phone: None required
- Video: None required
- Intercom: Ceiling speaker

### Lighting

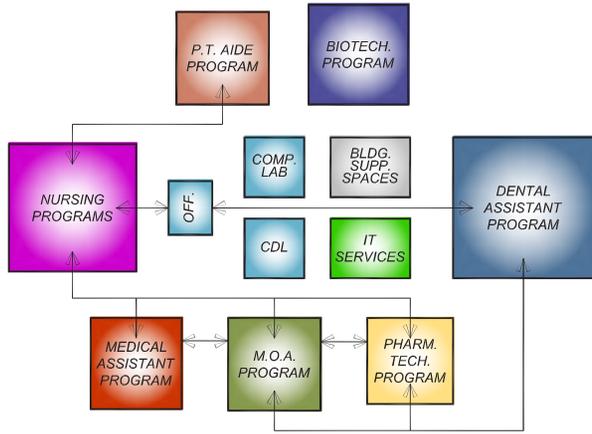
- Fixture Type: T-8 Fluorescent
- Task Light: None required
- Foot Candles: 30
- Controls: Occupancy sensor

### Equipment (NIC)

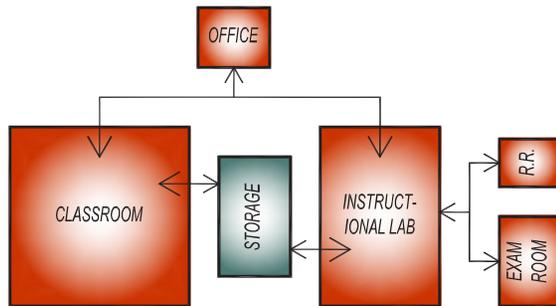
- None required.



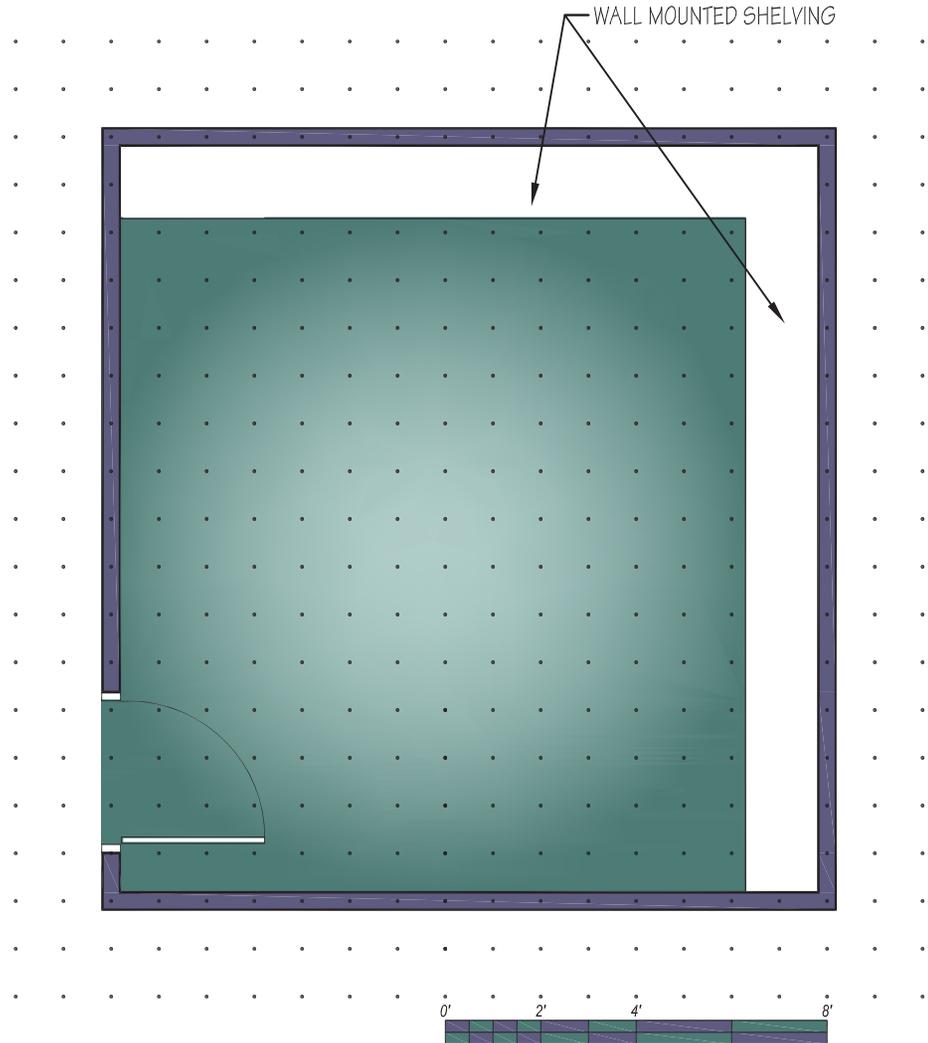
# INDIVIDUAL SPACE DIAGRAMS



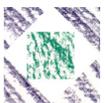
Second Floor Relationship Diagram



Medical Assistant Relationship Diagram



## CLASSROOM / LAB STORAGE Medical Assistant Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Secure Storage
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	240 sf
• Subtotal Required Area:	240 sf
• Subtotal Additional Area:	0 sf
• Total Area:	240 sf

### Occupant Summary

• Assigned Occupants:	0
• Users:	Faculty / Staff

### Function / Tasks

- Provide secure storage for teaching aids, equipment & supplies.

### Relationships

• Location:	Second Floor
• Adjacency:	Medical Assistant Classroom & Instructional Labs
• Proximity:	None required
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	VCT w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

• Type:	Solid core wood w/ clear finish
• Frame:	Painted hollow metal
• Special:	Electronic access lock

### Windows

• Natural Light:	Not required
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### Casework / Fixed Equipment

• Wall-mounted shelving:	(30 lf) 24"Dx84"H
	P.Lam. w/ (8) adjustable shelves

### Furnishings

• None required	
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## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	0.15 CFM/SF (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	74°F
• Winter Design Temp.:	74°F

• Controls:	Individual direct digital controls
• Sound Criteria:	None required

• Special Systems:	None required
• Plumbing:	None required

### Electrical

• Power:	One (1) duplex receptacle each wall
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• Data:	Rough-in for future capacity
• Phone:	Rough-in for future capacity

• Video:	Rough-in for future capacity
• Intercom:	Rough-in for future capacity

### Lighting

• Fixture Type:	T-8 Fluorescent lay-in
• Task Light:	None required

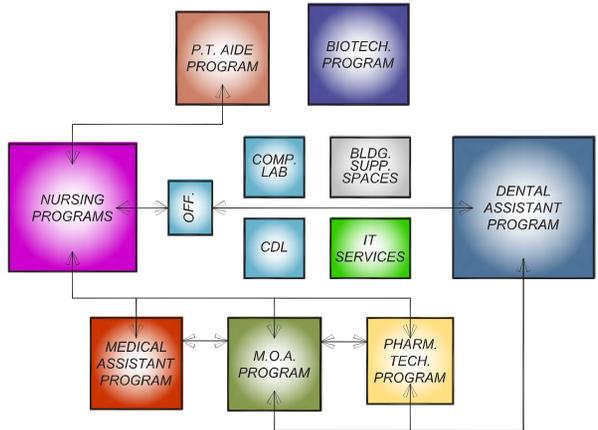
• Foot Candles:	30
• Controls:	Occupancy sensor

### Equipment (NIC)

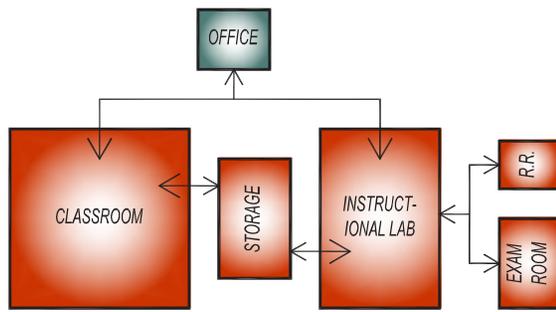
• None required.	
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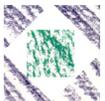
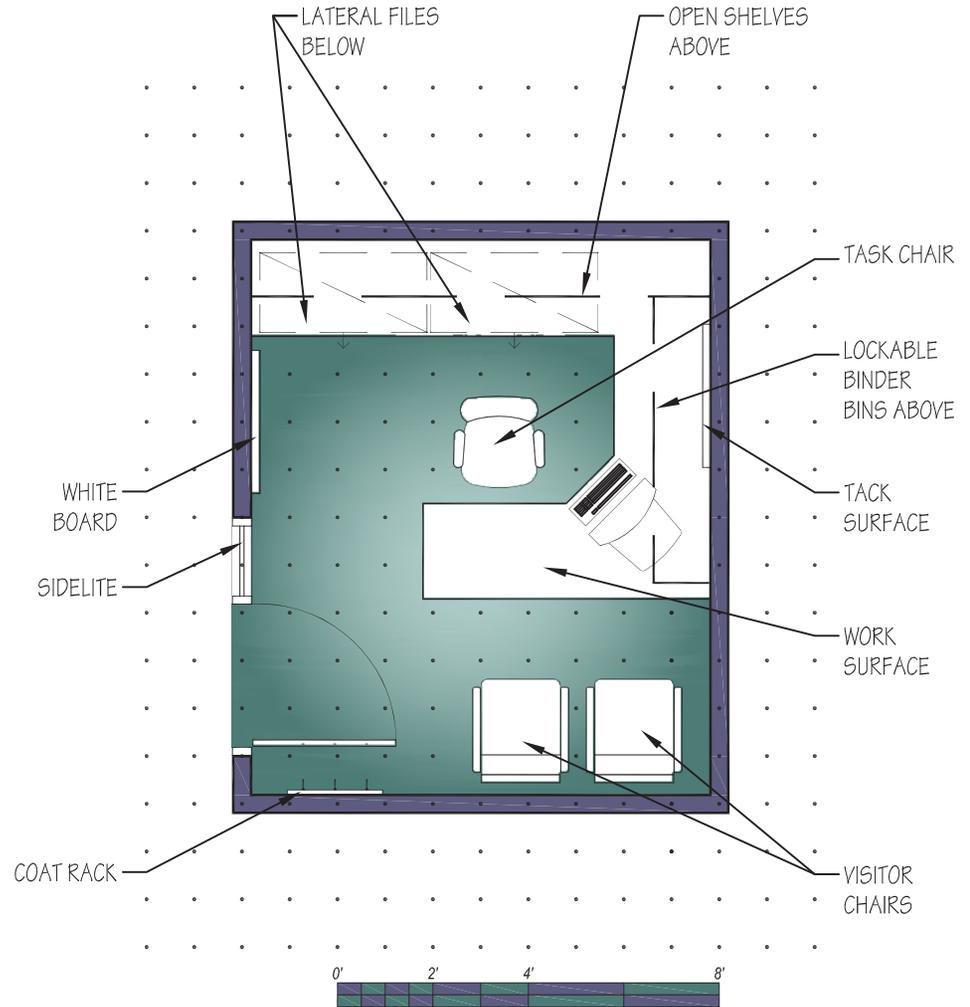
# INDIVIDUAL SPACE DIAGRAMS



*Second Floor Relationship Diagram*



*Medical Assistant Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 120 sf
- Subtotal Additional Area: 0 sf
- Total Area: 120 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: Second Floor
- Adjacency: Classroom, Labs & Exam Room
- Proximity: Nursing, Physical Therapy Aide, & Dental Assistant Programs
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical tile ceiling
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Coat Rack: 18x6x<sup>3</sup>/<sub>4</sub> oak plate w/ 2 dbl-prong
- Whiteboard (alum. frame & tray): (1) 48"x48"

### Furnishings

- Work Surface: (1) 24"x60" & (1) 24"x78"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface w/ round end: (1) 24"x36"
- Shelf Unit, 2-shelves high: (2) 14"x48"
- Binder Bin w/ lockable door: (2) 15"x36"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

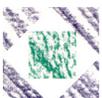
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

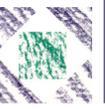
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

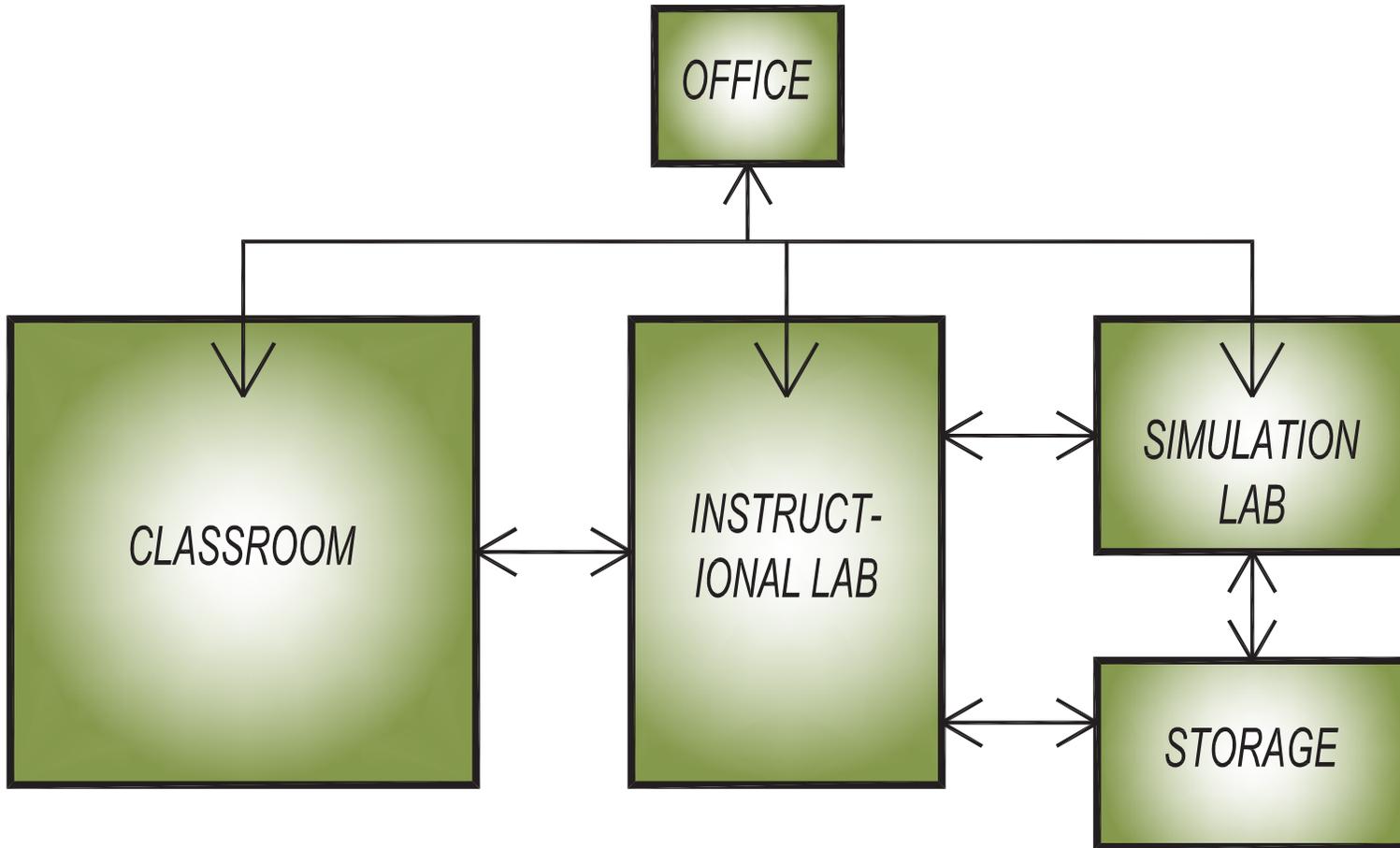
- Desktop computer, monitor & combo laser printer / copier / scanner.



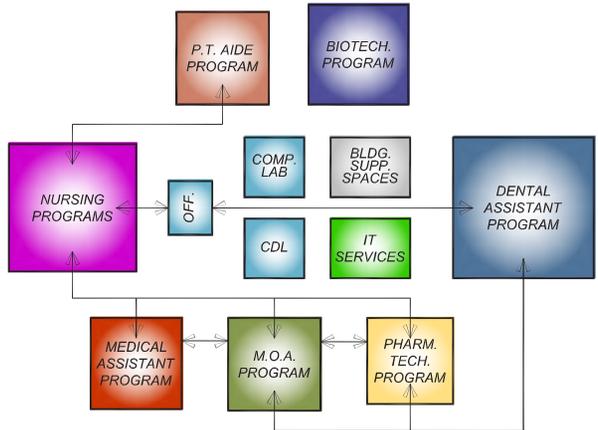


# INDIVIDUAL SPACE REQUIREMENTS

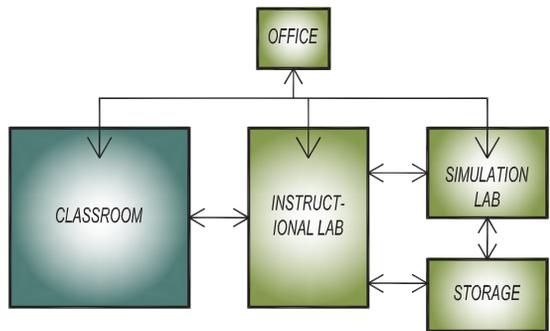
## MEDICAL BILLING & CODING PROGRAM RELATIONSHIP DIAGRAM



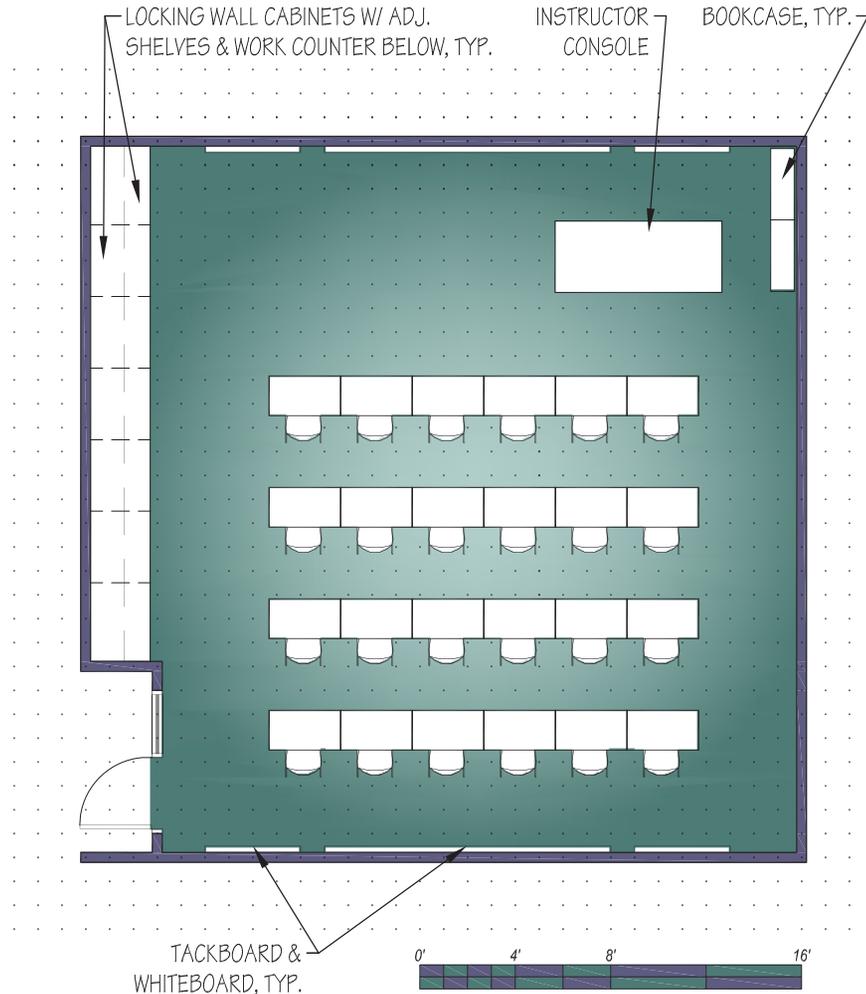
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



Billing & Coding Relationship Diagram



## CLASSROOM (SHARED WITH MOA) Medical Billing & Coding Program

# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Classroom
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 900 sf
- Subtotal Required Area: 900 sf
- Subtotal Additional Area: 0 sf
- Total Area: 900 sf

### Occupant Summary

- Student Stations: 25
- Area Per Station: 30 sf

### Function / Tasks

- Provide flexible teaching environment.

### Relationships

- Location: Second Floor
- Adjacency: Lab & Faculty Office
- Proximity: Medical & Dental Assistant, Medical & Dental Office Administration
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required, provide adequate light control for computer & multi-media use
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Instructor console w/ podium (1) 36"x84"
- Whiteboard w/ map rail & tray: (2) 168"x48"
- Tackboard w/ frame: (2) 48"x48"
- Solid surface work counter: (21 lf) 30"Dx27"H
- Hdwd. veneer wall cabinet: (21 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Hdwd. veneer bookcase: (2) 36"Wx12"Dx84"H w/ (5) adjustable shelves & (1) fixed shelf
- Projector mount / ports & cable connection: (1)
- Clock: (1)
- Projection screen: (1) 96"W

### Furnishings

- Student table: (25) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (26)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: Two (2) duplex receptacles per wall & at instructor station  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls & at instructor station  
One (1) wireless airport  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls & at instructor station
- Video: A/V system w/ internet connection
- Intercom: Ceiling speaker

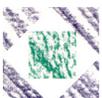
### Lighting

- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

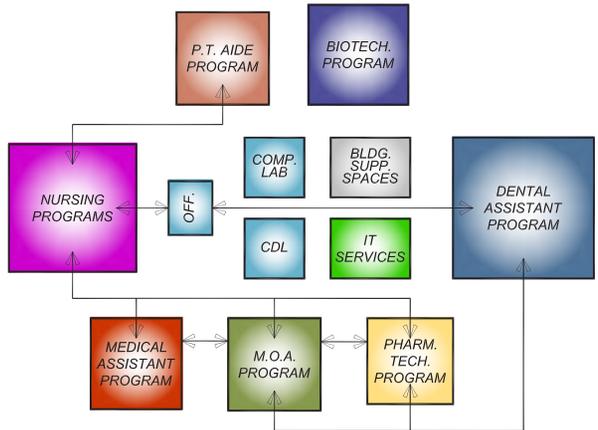
### Equipment (NIC)

- Elmo desktop presentation unit: (1)
- Desktop computer, monitor, printer/scanner: (1)
- Capacity for 25 laptop computers; video monitors; overhead, opaque, slide & film projectors; & audio devices.

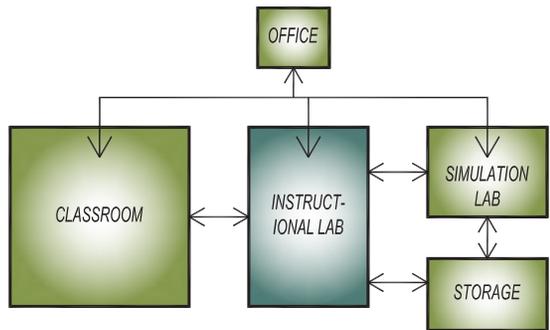
## CLASSROOM (SHARED WITH MOA) Medical Billing & Coding Program



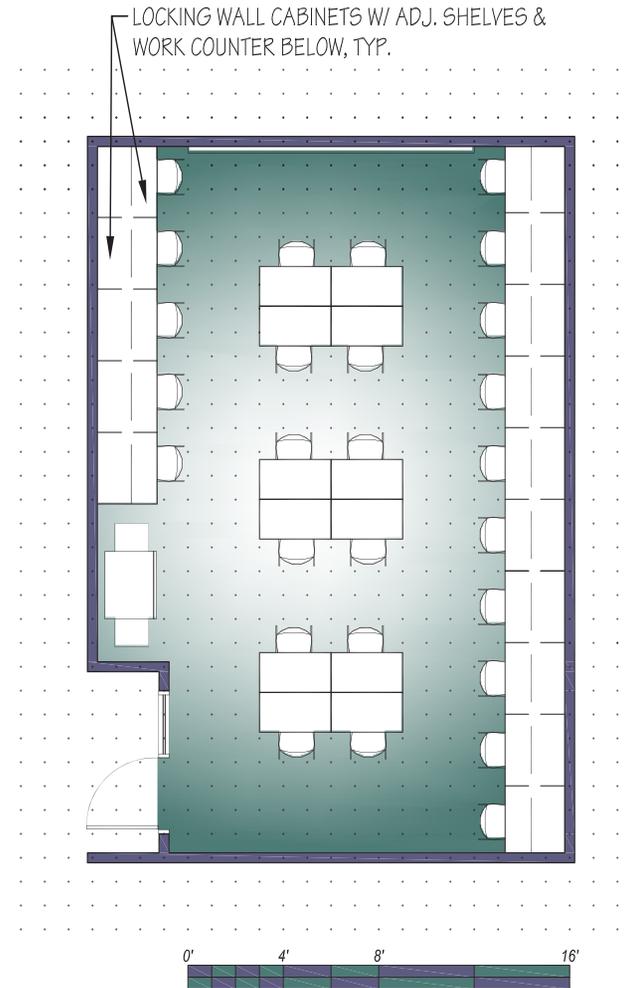
# INDIVIDUAL SPACE DIAGRAMS



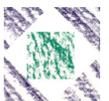
*Second Floor Relationship Diagram*



*Billing & Coding Relationship Diagram*



## INSTRUCTIONAL LAB (SHARED WITH MOA) Medical Billing & Coding Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 600 sf
- Subtotal Required Area: 600 sf
- Subtotal Additional Area: 0 sf
- Total Area: 600 sf

### Occupant Summary

- Student Stations: 12
- Area Per Station: 50 sf

### Function / Tasks

- Provide a specialized instructional environment.

### Relationships

- Location: Second Floor
- Adjacency: Classroom & Faculty Office
- Proximity: Medical & Dental Assistant, Medical & Dental Office Administration
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: None required

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Whiteboard w/ map rail & tray: (1) 144"x48"
- Hdwd. veneer wall cabinet: (72 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Clock: (1)

### Furnishings

- Student table: (6) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (28)
- Waste can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)

- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)

- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: Two (2) duplex receptacles per wall  
Additional capacity for equipment listed

- Data: Two (2) devices on opposing walls  
Additional capacity for equipment listed

- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

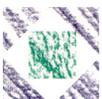
### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required

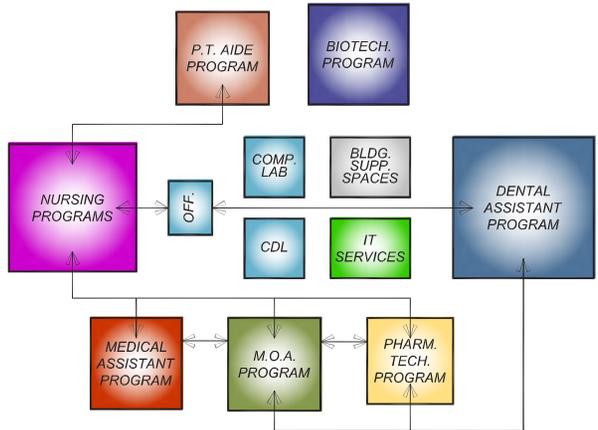
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

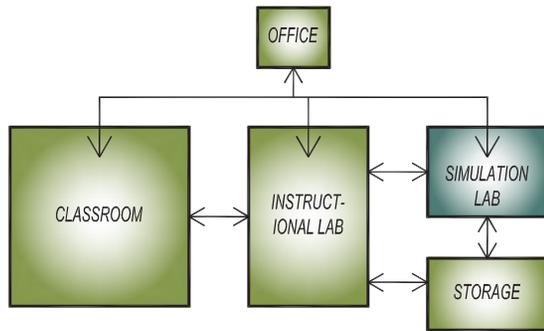
- Copier: (1)
- Computers and monitors: (20)
- Printer: (1)
- Scanner: (11)



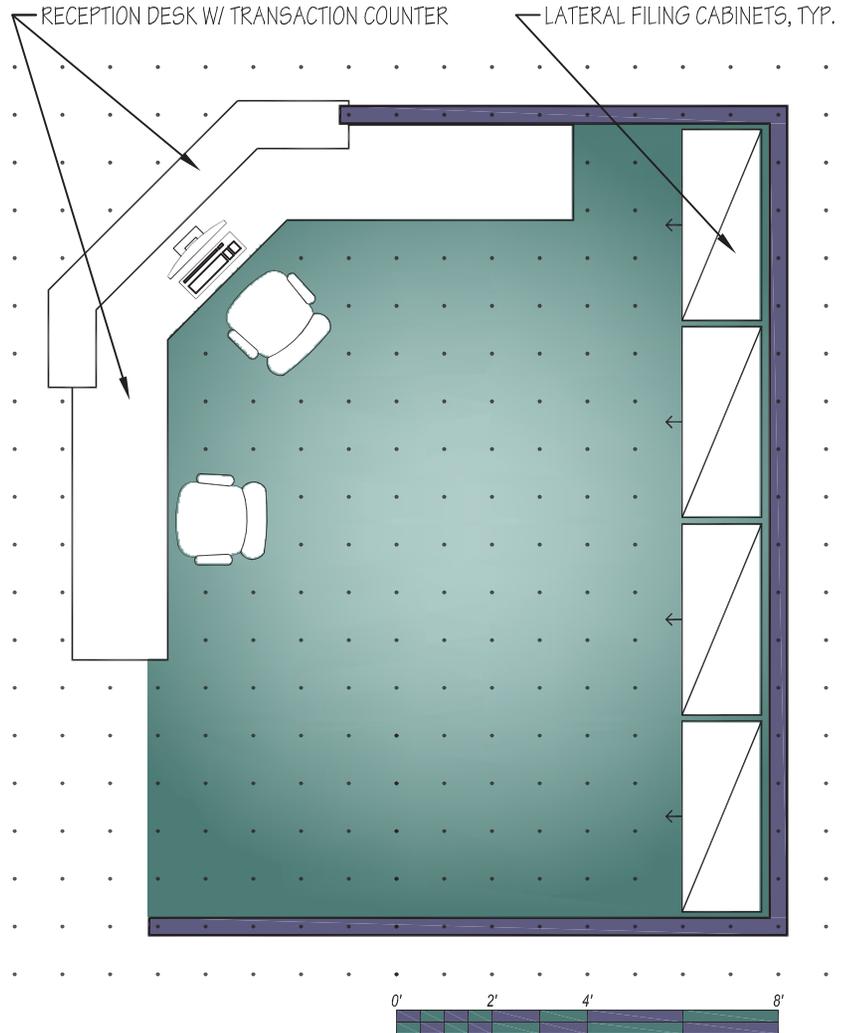
# INDIVIDUAL SPACE DIAGRAMS



*Second Floor Relationship Diagram*

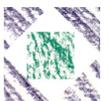


*Billing & Coding Relationship Diagram*



## SIMULATION LAB (SHARED WITH MOA)

### Medical Billing & Coding Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open Simulation Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 300 sf
- Subtotal Required Area: 300 sf
- Subtotal Additional Area: 0 sf
- Total Area: 300 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty & Students

### Function / Tasks

- Provide a specialized instructional environment.

### Relationships

- Location: Second Floor
- Adjacency: Classroom & Faculty Office
- Proximity: Medical & Dental Assistant, Medical & Dental Office Administration
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- None required.

### Windows

- Natural Light: Not required
- Interior: Painted H.M. frame w/ 1/4" glazing

### Casework / Fixed Equipment

- Solid surface work counter: (16 lf) 24"Dx27"H w/ solid surface transaction counter (12"Dx10 lf x 36"H)
- Clock: (1)

### Furnishings

- 5-Drawer lateral filing cabinet: (4) 48"W
- Task chair, armless, swivel, adjustable: (2)
- Waste can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria:  $\leq 30$  (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

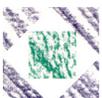
- Power: One (1) duplex receptacle per wall  
Two (2) four-plex receptacles at desk  
Additional capacity for equipment listed
- Data: One (1) device on opposing walls  
Two (2) devices at desk  
Additional capacity for equipment listed
- Phone: One (1) device on opposing walls  
Two (2) devices at desk
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

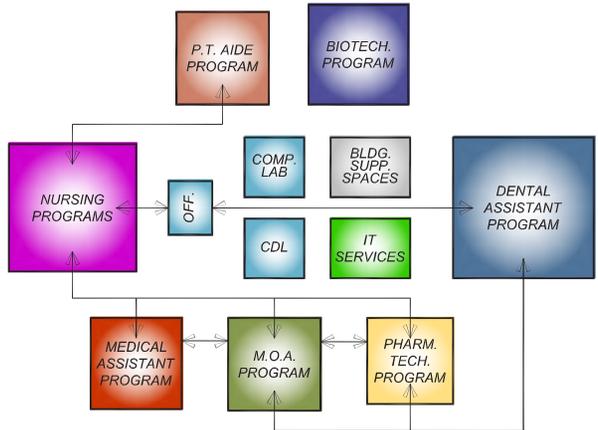
- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

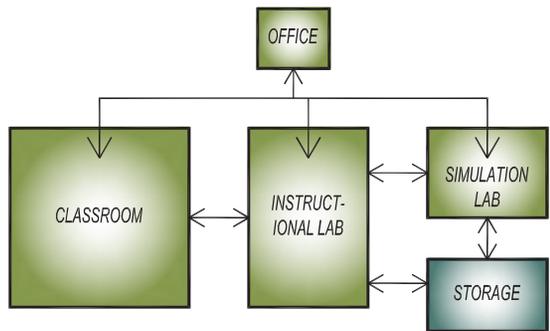
- Desktop computer, monitor and combo laser printer / copier / scanner.



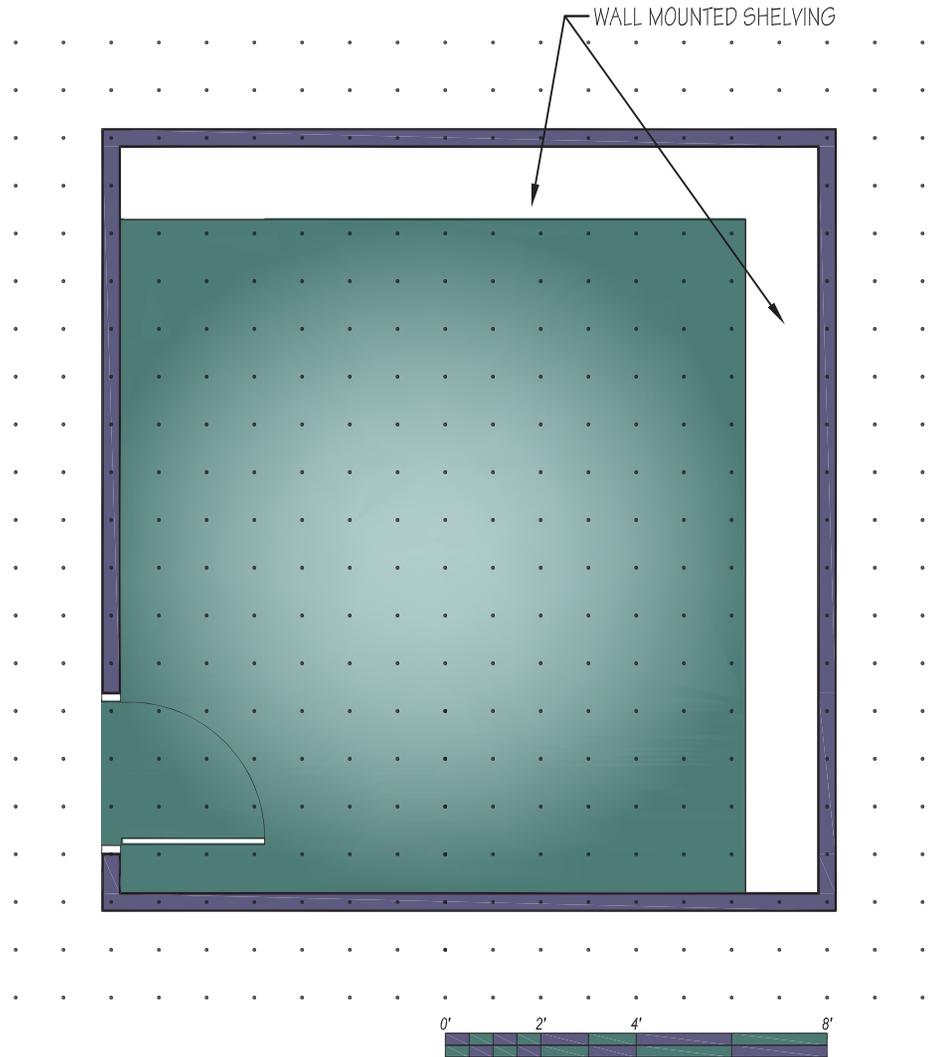
# INDIVIDUAL SPACE DIAGRAMS



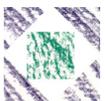
Second Floor Relationship Diagram



Billing & Coding Relationship Diagram



## CLASSROOM / LAB STORAGE (SHARED WITH MOA) Medical Billing & Coding Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Secure Storage
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	240 sf
• Subtotal Required Area:	240 sf
• Subtotal Additional Area:	0 sf
• Total Area:	240 sf

### Occupant Summary

• Assigned Occupants:	0
• Users:	Faculty / Staff

### Function / Tasks

- Provide secure storage for teaching aids, equipment & supplies.

### Relationships

• Location:	Second Floor
• Adjacency:	Medical Billing & Coding Classroom & Instructional Labs
• Proximity:	None required
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	VCT w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

• Type:	Solid core wood w/ clear finish
• Frame:	Painted hollow metal
• Special:	Electronic access lock

### Windows

• Natural Light:	Not required
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### Casework / Fixed Equipment

• Wall-mounted shelving:	(30 lf) 24"Dx84"H P.Lam. w/ (8) adjustable shelves
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### Furnishings

• None required	
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## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	0.15 CFM/SF (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	74°F
• Winter Design Temp.:	74°F

• Controls:	Individual direct digital controls
• Sound Criteria:	None required

• Special Systems:	None required
• Plumbing:	None required

### Electrical

• Power:	One (1) duplex receptacle each wall
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• Data:	Rough-in for future capacity
• Phone:	Rough-in for future capacity

• Video:	Rough-in for future capacity
• Intercom:	Rough-in for future capacity

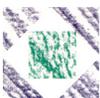
### Lighting

• Fixture Type:	T-8 Fluorescent lay-in
• Task Light:	None required

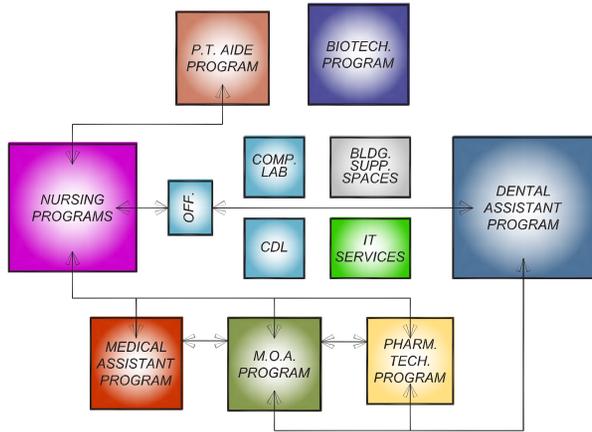
• Foot Candles:	30
• Controls:	Occupancy sensor

### Equipment (NIC)

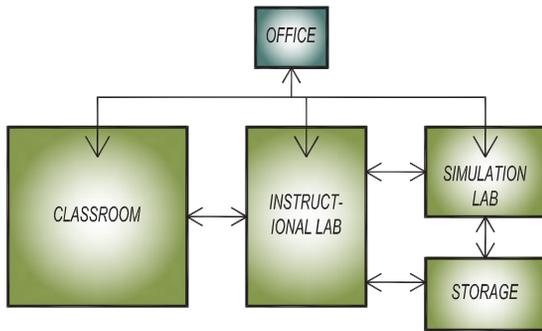
• None required.	
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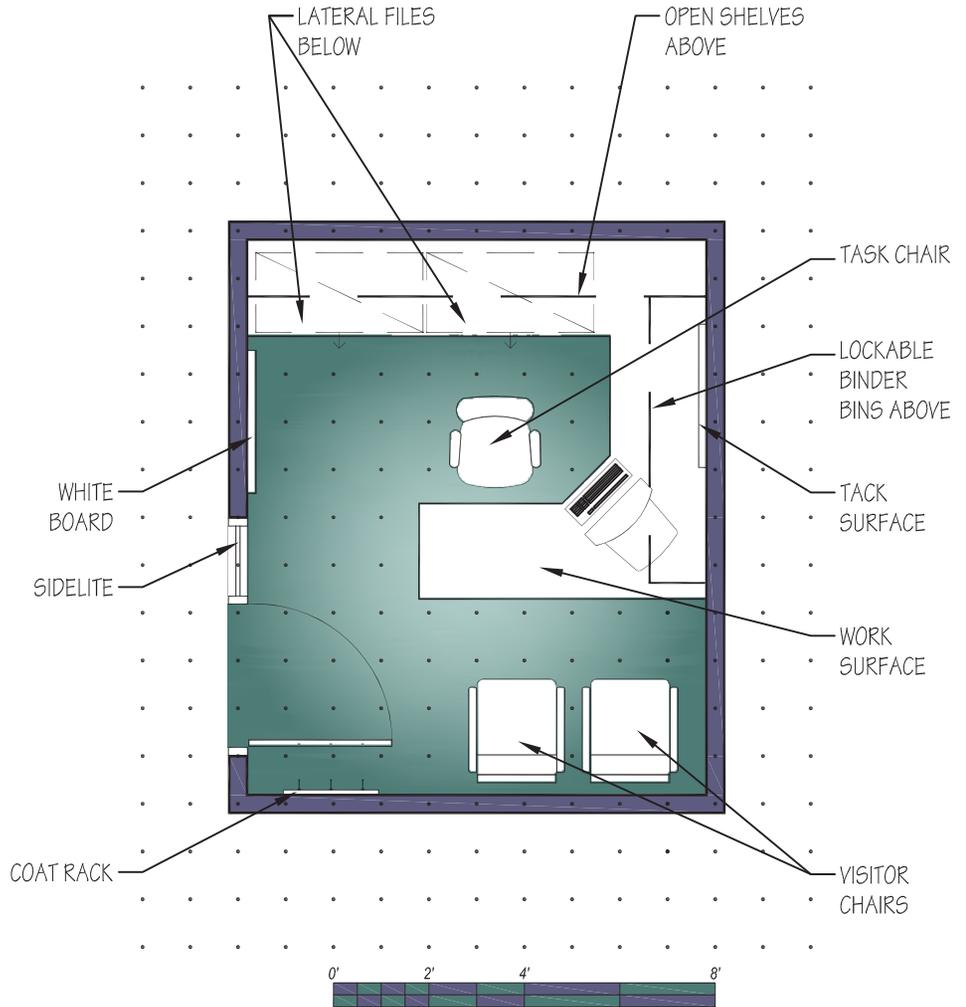
# INDIVIDUAL SPACE DIAGRAMS



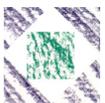
Second Floor Relationship Diagram



Billing & Coding Relationship Diagram



## FACULTY OFFICE (SHARED WITH MOA) Medical Billing & Coding Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 120 sf
- Subtotal Additional Area: 0 sf
- Total Area: 120 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: Second Floor
- Adjacency: Classroom & Lab
- Proximity: Medical & Dental Assistant, Medical & Dental Office Administration
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical tile ceiling
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Coat Rack: 18x6x<sup>3</sup>/<sub>4</sub> oak plate w/ 2 dbl-prong
- Whiteboard (alum. frame & tray): (1) 48"x48"

### Furnishings

- Work Surface: (1) 24"x60" & (1) 24"x78"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface w/ round end: (1) 24"x36"
- Shelf Unit, 2-shelves high: (2) 14"x48"
- Binder Bin w/ lockable door: (2) 15"x36"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

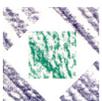
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

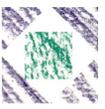
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

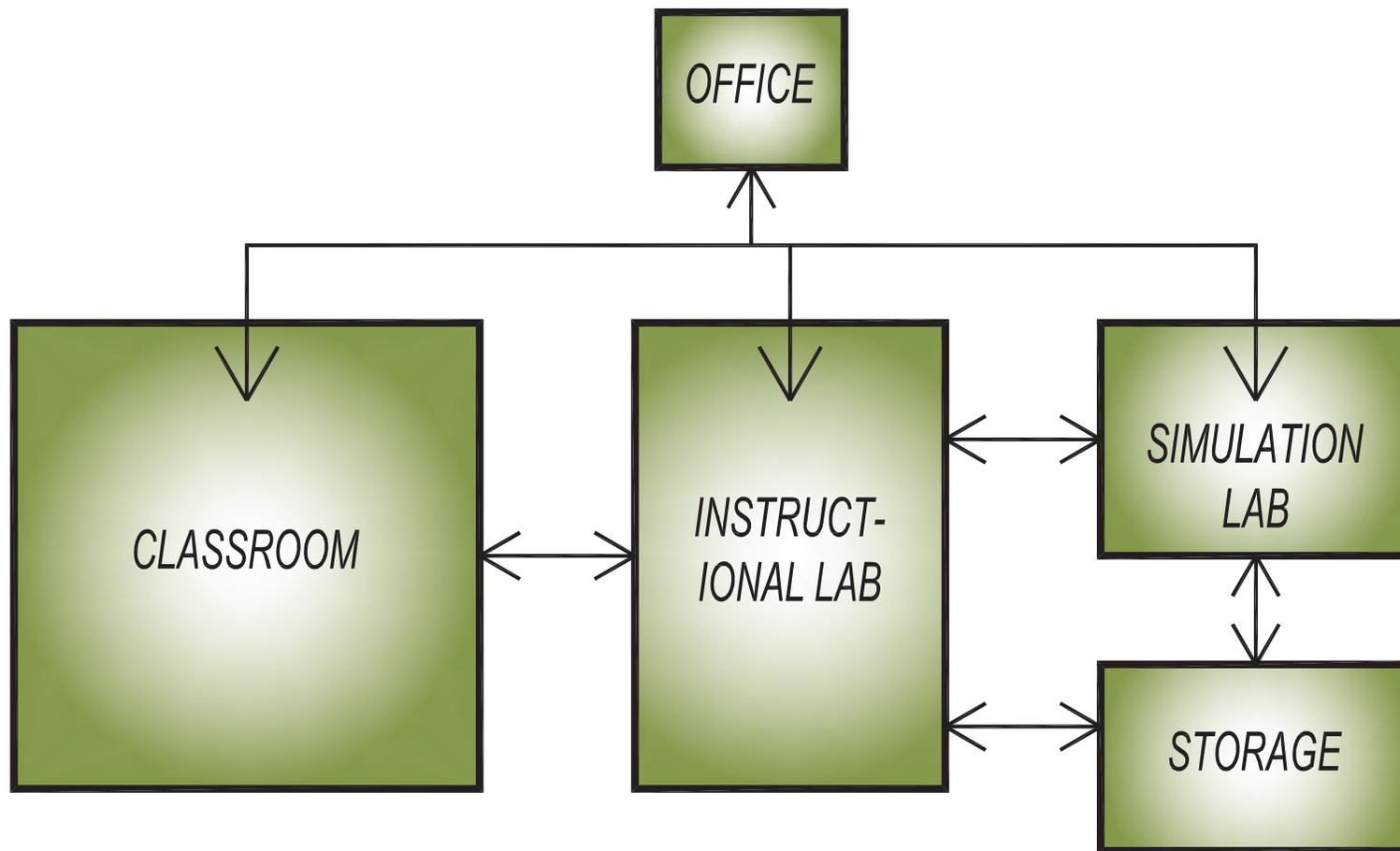
- Desktop computer, monitor & combo laser printer / copier / scanner.



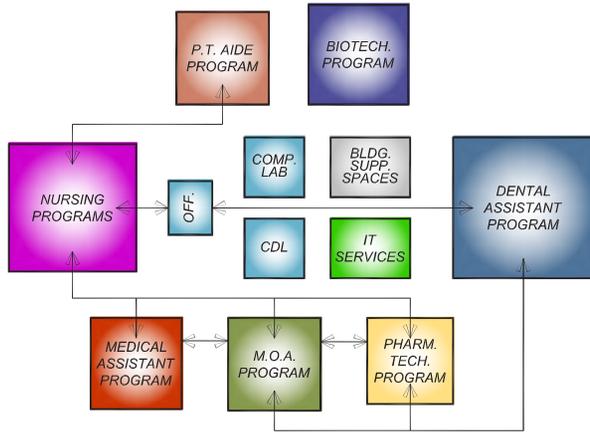


# INDIVIDUAL SPACE REQUIREMENTS

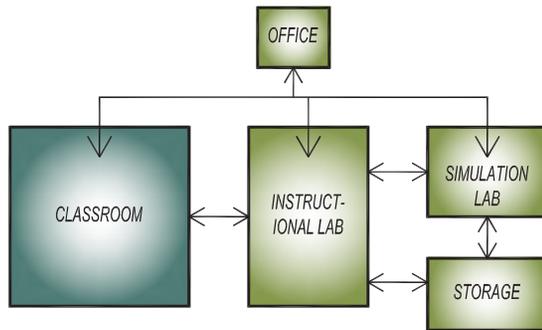
## MEDICAL OFFICE ADMINISTRATION PROGRAM RELATIONSHIP DIAGRAM



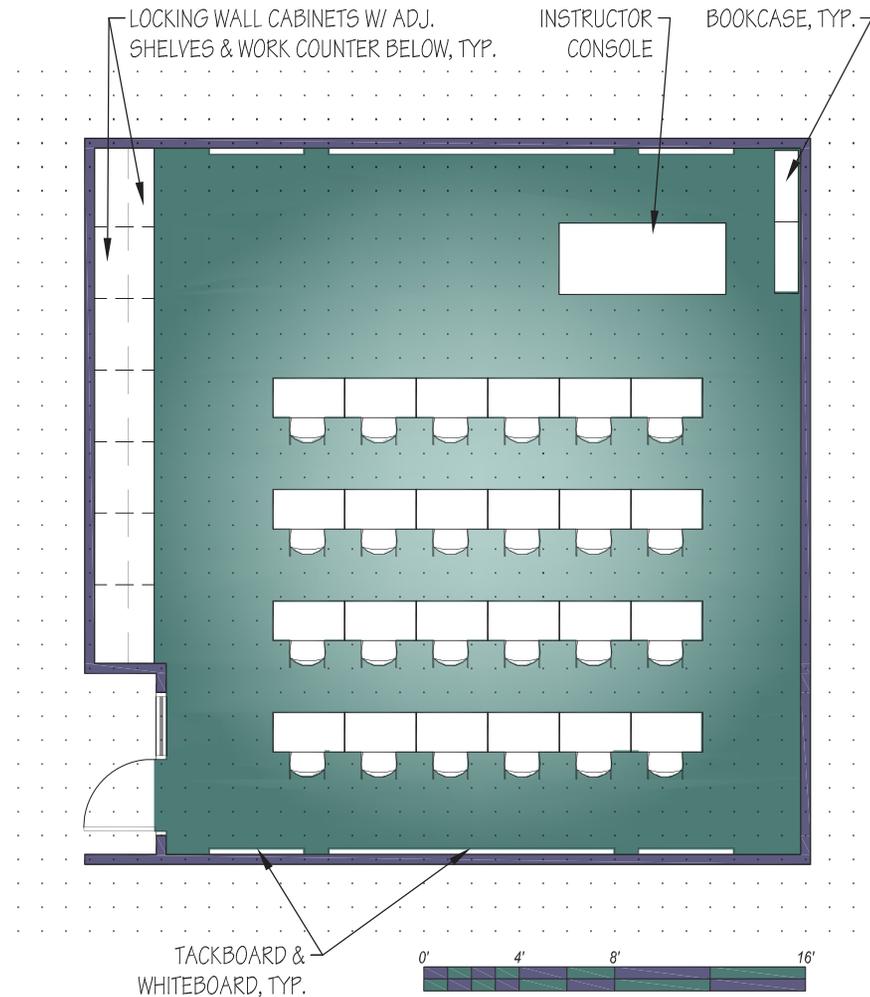
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



Medical Office Admin Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Classroom
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 900 sf
- Subtotal Required Area: 900 sf
- Subtotal Additional Area: 0 sf
- Total Area: 900 sf

### Occupant Summary

- Student Stations: 25
- Area Per Station: 30 sf

### Function / Tasks

- Provide flexible teaching environment.

### Relationships

- Location: Second Floor
- Adjacency: Lab & Faculty Office
- Proximity: Medical & Dental Assistant, Medical & Dental Office Administration
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required, provide adequate light control for computer & multi-media use
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Instructor console w/ podium (1) 36"x84"
- Whiteboard w/ map rail & tray: (2) 168"x48"
- Tackboard w/ frame: (2) 48"x48"
- Solid surface work counter: (21 lf) 30"Dx27"H
- Hdwd. veneer wall cabinet: (21 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Hdwd. veneer bookcase: (2) 36"Wx12"Dx84"H w/ (5) adjustable shelves & (1) fixed shelf
- Projector mount / ports & cable connection: (1)
- Clock: (1)
- Projection screen: (1) 96"W

### Furnishings

- Student table: (25) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (26)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: Two (2) duplex receptacles per wall & at instructor station  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls & at instructor station  
One (1) wireless airport  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls & at instructor station
- Video: A/V system w/ internet connection
- Intercom: Ceiling speaker

### Lighting

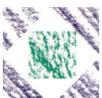
- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

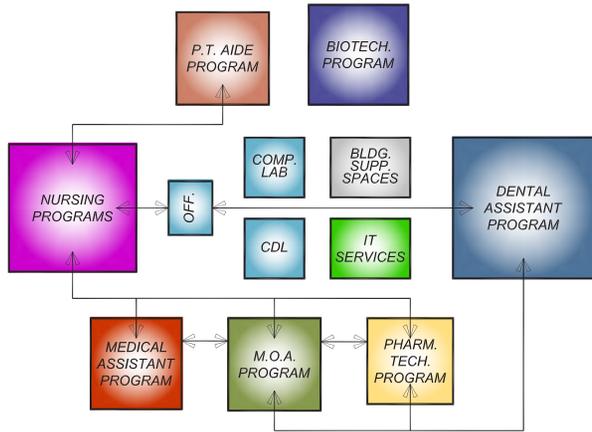
- Elmo desktop presentation unit: (1)
- Desktop computer, monitor, printer/scanner: (1)
- Capacity for 25 laptop computers; video monitors; overhead, opaque, slide & film projectors; & audio devices.

**CLASSROOM**

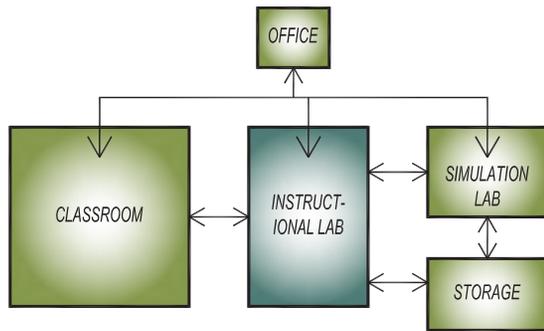
**Medical Office Administration Program**



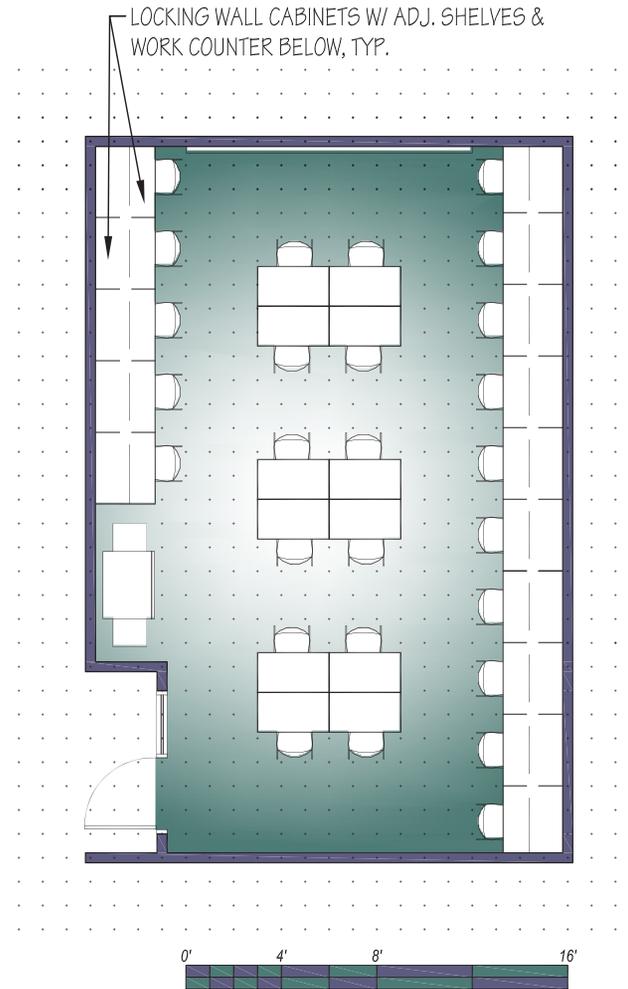
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



Medical Office Admin Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 600 sf
- Subtotal Required Area: 600 sf
- Subtotal Additional Area: 0 sf
- Total Area: 600 sf

### Occupant Summary

- Student Stations: 12
- Area Per Station: 50 sf

### Function / Tasks

- Provide a specialized instructional environment.

### Relationships

- Location: Second Floor
- Adjacency: Classroom & Faculty Office
- Proximity: Medical & Dental Assistant, & Dental Office Administration Programs
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: None required

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Whiteboard w/ map rail & tray: (1) 144"x48"
- Work Surface
- Hdwd. veneer wall cabinet: (72 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Clock: (1)

### Furnishings

- Student table: (6) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (28)
- Waste can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)

- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: Two (2) duplex receptacles per wall  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls  
Additional capacity for equipment listed

- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

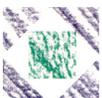
### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required

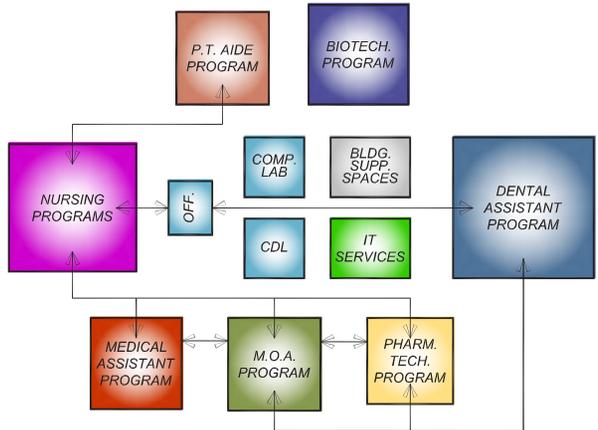
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

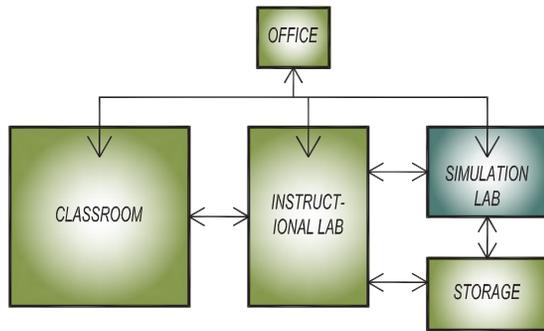
- Copier: (1)
- Computers and monitors: (20)
- Printer: (1)
- Scanner: (11)



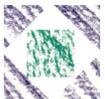
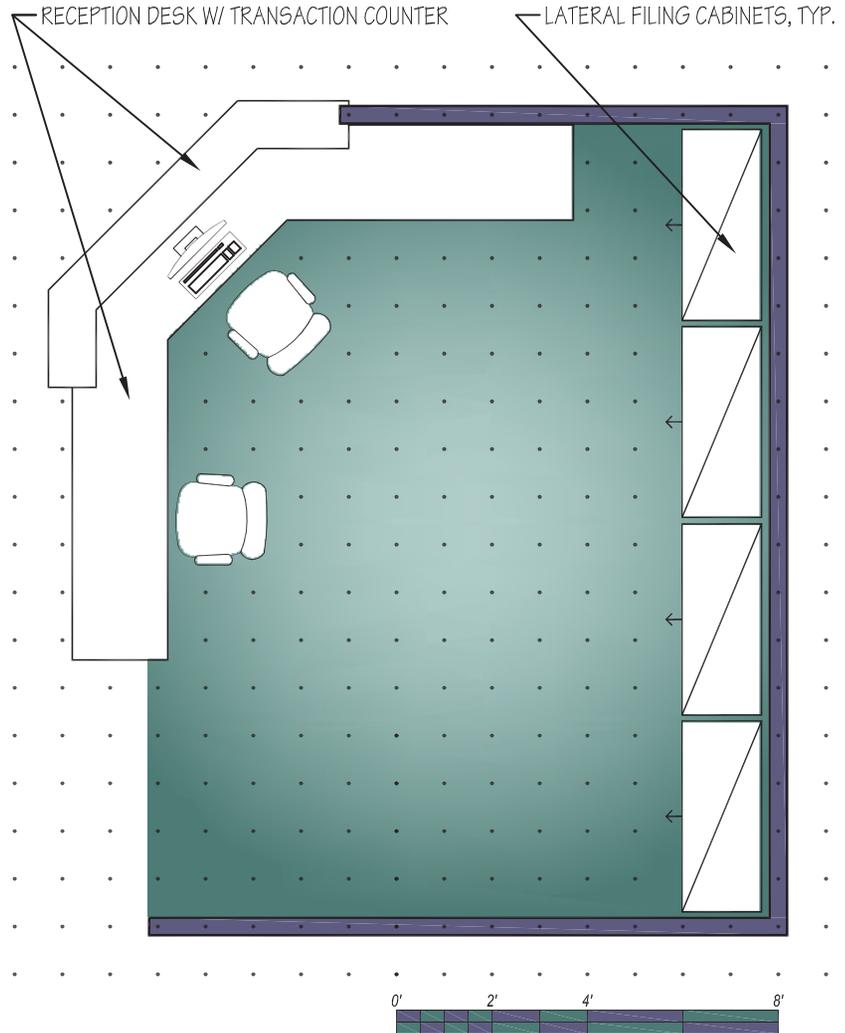
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



Medical Office Admin Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open Simulation Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 300 sf
- Subtotal Required Area: 300 sf
- Subtotal Additional Area: 0 sf
- Total Area: 300 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty & Students

### Function / Tasks

- Provide specialized teaching environment.

### Relationships

- Location: Second Floor
- Adjacency: Classroom, Lab, Exam Room & Faculty Office
- Proximity: Nursing, Physical Therapy Aide, & Dental Assistant Programs
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- None required.

### Windows

- Natural Light: Not required
- Interior: Painted H.M. frame w/ 1/4" glazing

### Casework / Fixed Equipment

- Solid surface work counter: (16 lf) 24"Dx27"H w/ solid surface transaction counter (12"Dx10 lf x 36"H)
- Clock: (1)

### Furnishings

- 5-Drawer lateral filing cabinet: (4) 48"W
- Task chair, armless, swivel, adjustable: (2)
- Waste can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria:  $\leq 30$  (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

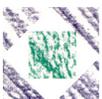
- Power: One (1) duplex receptacle per wall  
Two (2) four-plex receptacles at desk  
Additional capacity for equipment listed
- Data: One (1) device on opposing walls  
Two (2) devices at desk  
Additional capacity for equipment listed
- Phone: One (1) device on opposing walls  
Two (2) devices at desk
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

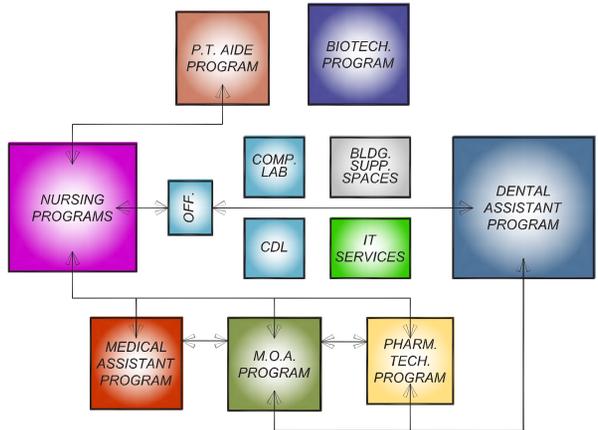
- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

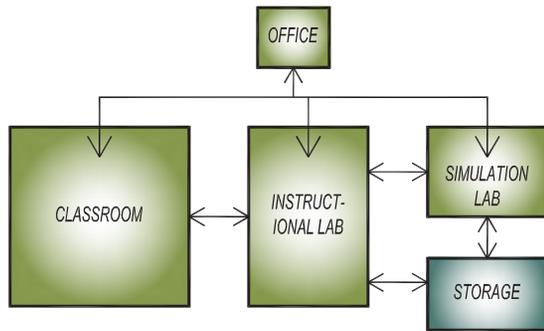
- Desktop computer, monitor and combo laser printer / copier / scanner.



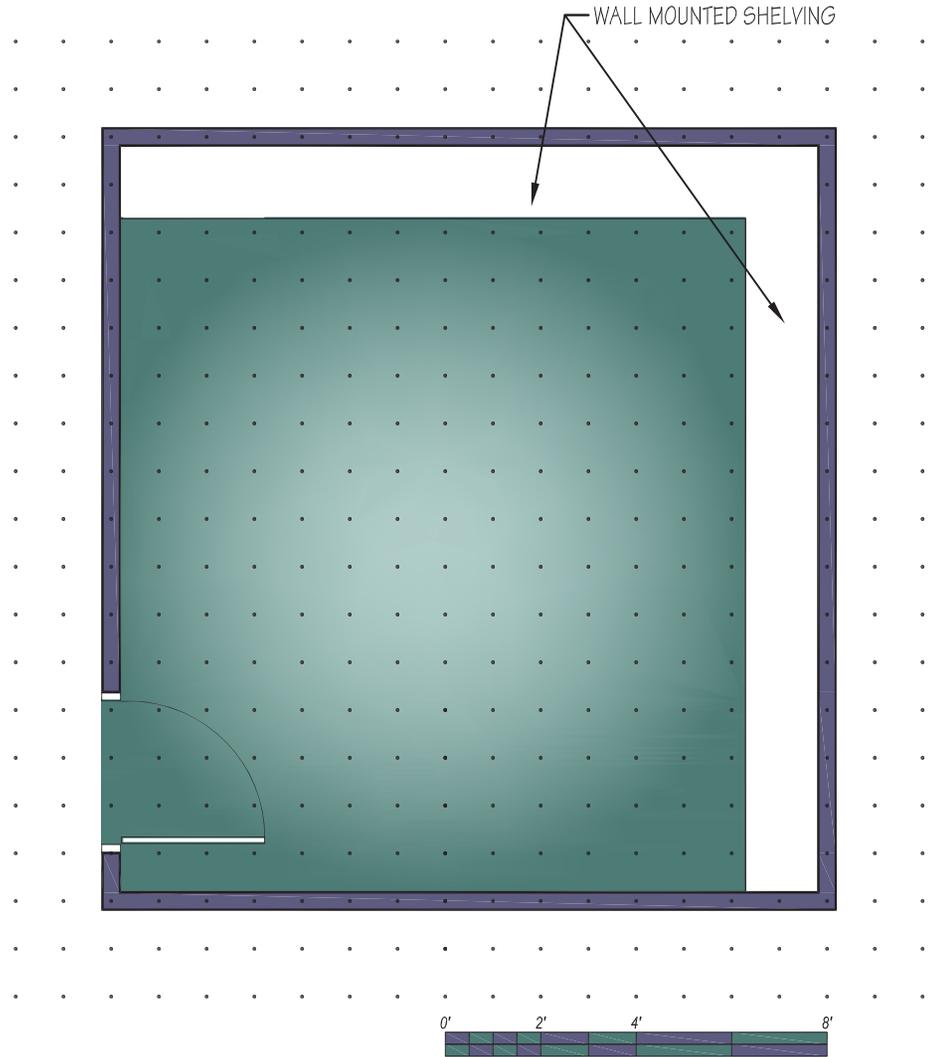
# INDIVIDUAL SPACE DIAGRAMS



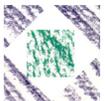
*Second Floor Relationship Diagram*



*Medical Office Admin Relationship Diagram*



## CLASSROOM / LAB STORAGE Medical Office Administration Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Secure Storage
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 240 sf
- Subtotal Required Area: 240 sf
- Subtotal Additional Area: 0 sf
- Total Area: 240 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty / Staff

### Function / Tasks

- Provide secure storage for teaching aids, equipment & supplies.

### Relationships

- Location: Second Floor
- Adjacency: MOA Classroom & Instructional Labs
- Proximity: None required
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: VCT w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: Electronic access lock

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- Wall-mounted shelving: (30 lf) 24"Dx84"H P.Lam. w/ (8) adjustable shelves

### Furnishings

- None required

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 0.15 CFM/SF (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 74°F
- Winter Design Temp.: 74°F

- Controls: Individual direct digital controls
- Sound Criteria: None required

- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall

- Data: Rough-in for future capacity
- Phone: Rough-in for future capacity

- Video: Rough-in for future capacity
- Intercom: Rough-in for future capacity

### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required

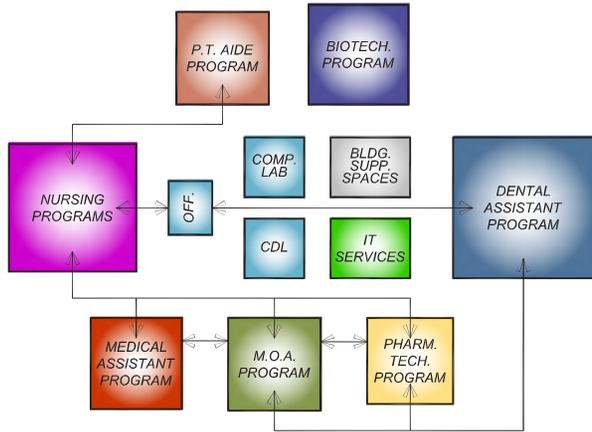
- Foot Candles: 30
- Controls: Occupancy sensor

### Equipment (NIC)

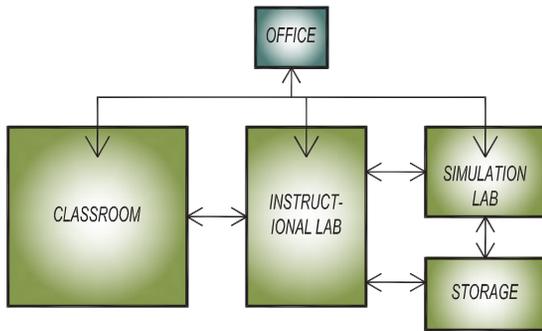
- None required.



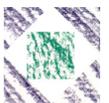
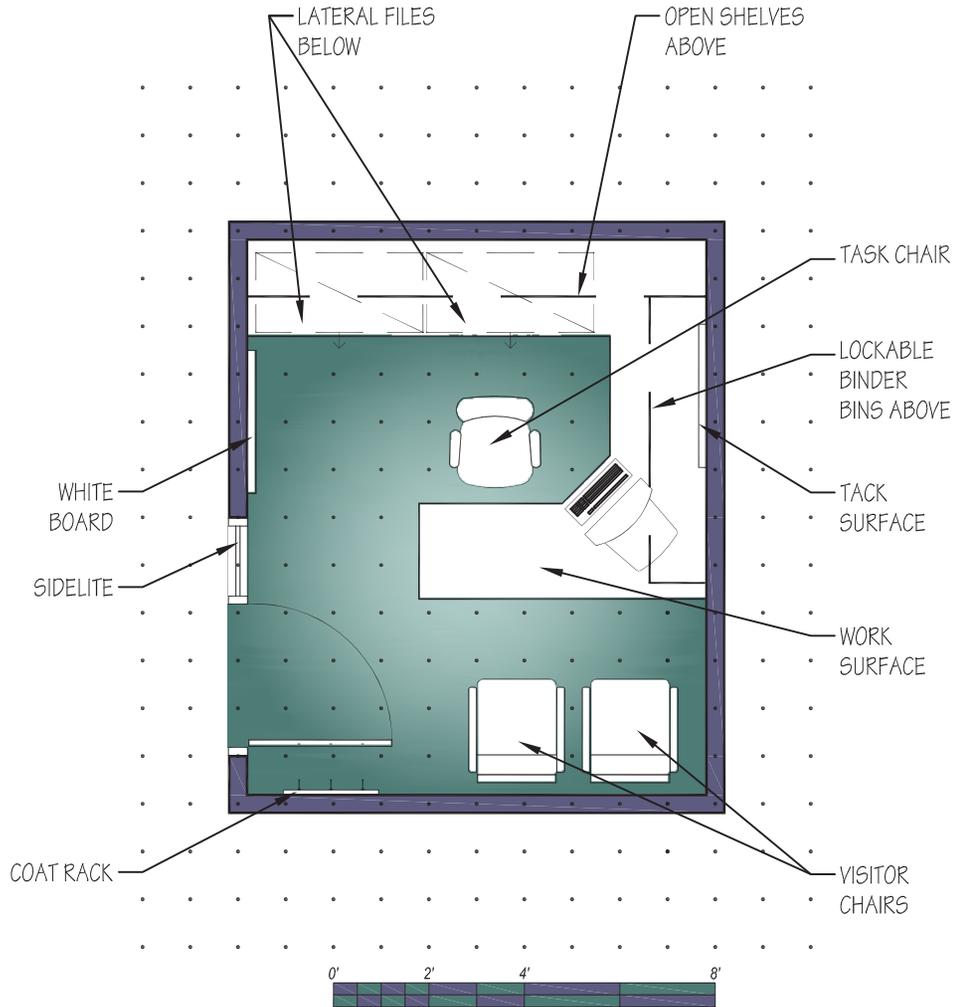
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



Medical Office Admin Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 120 sf
- Subtotal Additional Area: 0 sf
- Total Area: 120 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: Second Floor
- Adjacency: Classroom & Lab
- Proximity: Medical & Dental Assistant, & Dental Office Administration Programs
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical tile ceiling
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Coat Rack: 18x6x3/4 oak plate w/ 2 dbl-prong
- Whiteboard (alum. frame & tray): (1) 48"x48"

### Furnishings

- Work Surface: (1) 24"x60" & (1) 24"x78"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface w/ round end: (1) 24"x36"
- Shelf Unit, 2-shelves high: (2) 14"x48"
- Binder Bin w/ lockable door: (2) 15"x36"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

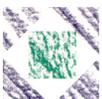
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

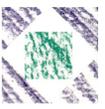
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

- Desktop computer, monitor & combo laser printer / copier / scanner.

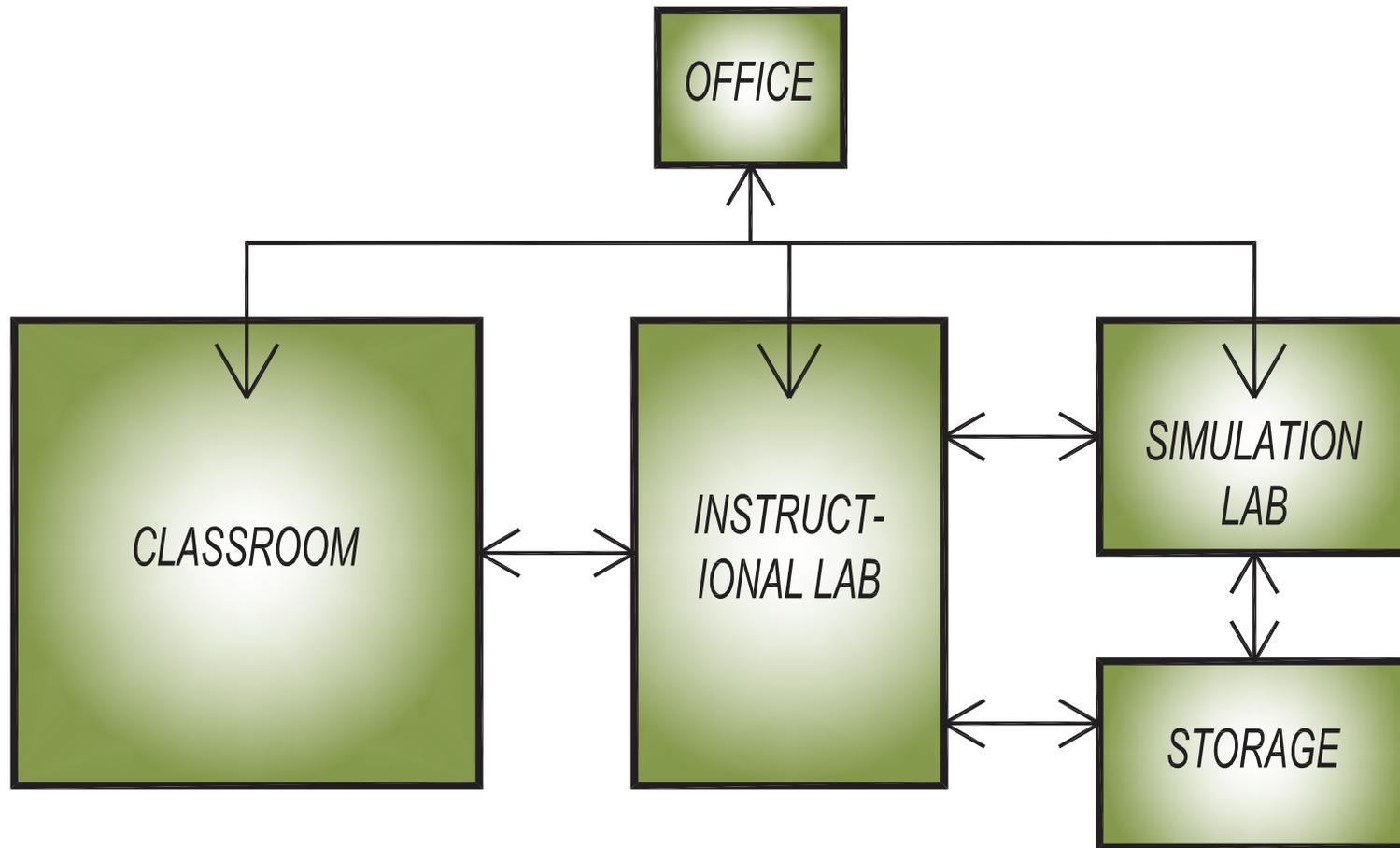




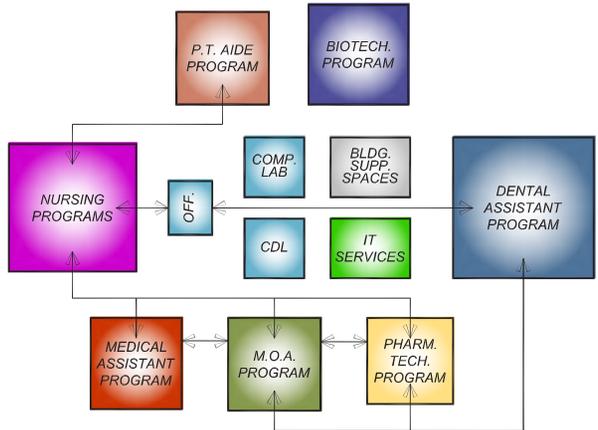
# INDIVIDUAL SPACE REQUIREMENTS



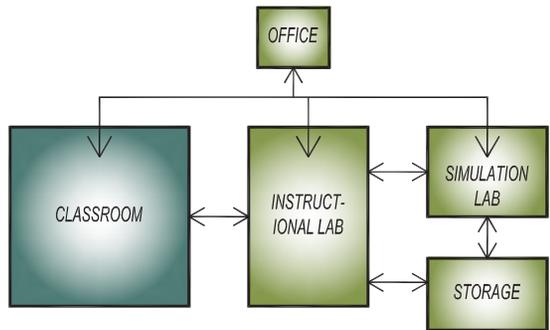
## MEDICAL TRANSCRIPTION PROGRAM RELATIONSHIP DIAGRAM



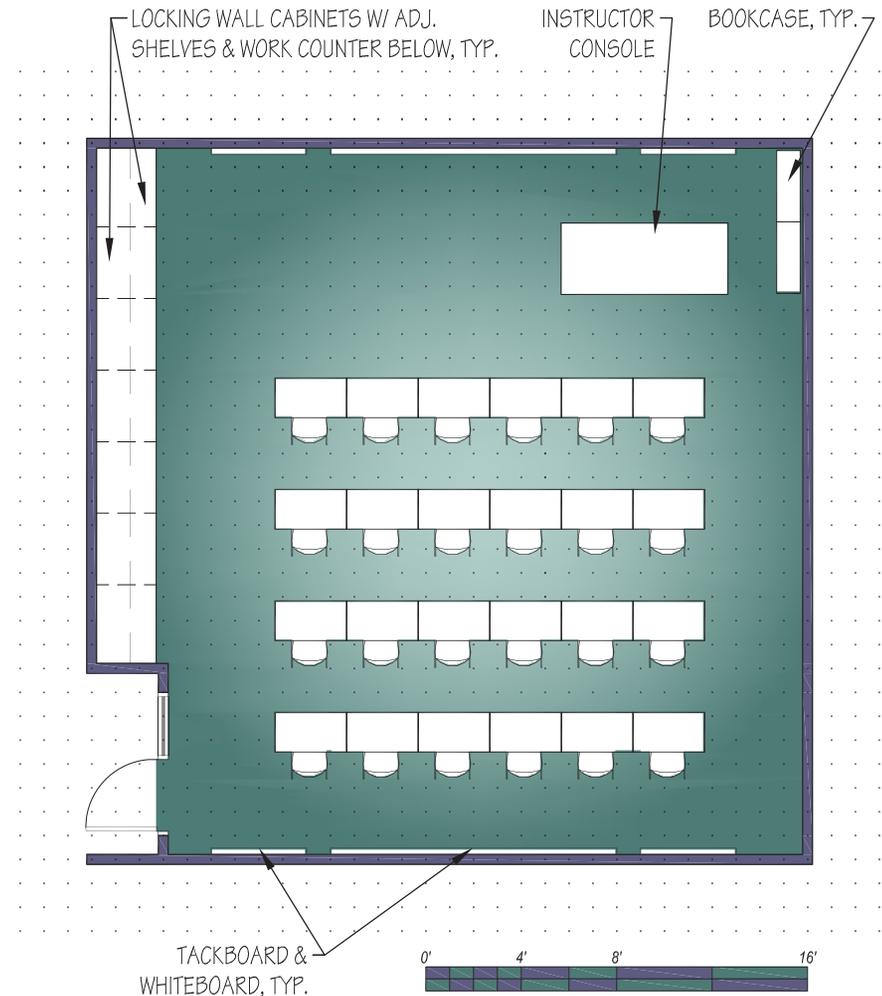
# INDIVIDUAL SPACE DIAGRAMS



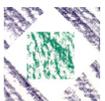
Second Floor Relationship Diagram



Medical Transcription Relationship Diagram



## CLASSROOM (SHARED WITH MOA) Medical Transcription Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Classroom
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 900 sf
- Subtotal Required Area: 900 sf
- Subtotal Additional Area: 0 sf
- Total Area: 900 sf

### Occupant Summary

- Student Stations: 25
- Area Per Station: 30 sf

### Function / Tasks

- Provide flexible teaching environment.

### Relationships

- Location: Second Floor
- Adjacency: Lab & Faculty Office
- Proximity: Medical & Dental Assistant, Medical & Dental Office Administration
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required, provide adequate light control for computer & multi-media use
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Instructor console w/ podium (1) 36"x84"
- Whiteboard w/ map rail & tray: (2) 168"x48"
- Tackboard w/ frame: (2) 48"x48"
- Solid surface work counter: (21 lf) 30"Dx27"H
- Hdwd. veneer wall cabinet: (21 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Hdwd. veneer bookcase: (2) 36"Wx12"Dx84"H w/ (5) adjustable shelves & (1) fixed shelf
- Projector mount / ports & cable connection: (1)
- Clock: (1)
- Projection screen: (1) 96"W

### Furnishings

- Student table: (25) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (26)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

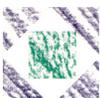
- Power: Two (2) duplex receptacles per wall & at instructor station  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls & at instructor station  
One (1) wireless airport  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls & at instructor station
- Video: A/V system w/ internet connection
- Intercom: Ceiling speaker

### Lighting

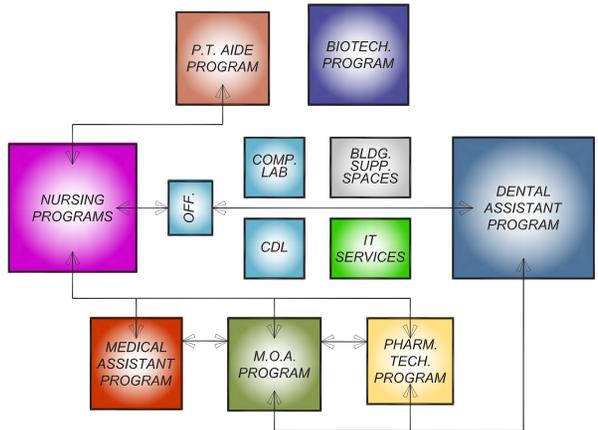
- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

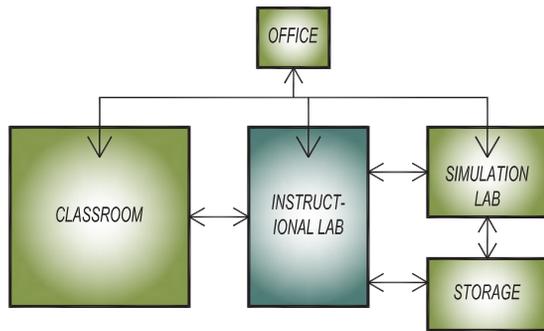
- Elmo desktop presentation unit: (1)
- Desktop computer, monitor, printer/scanner: (1)
- Capacity for 25 laptop computers; video monitors; overhead, opaque, slide & film projectors; & audio devices.



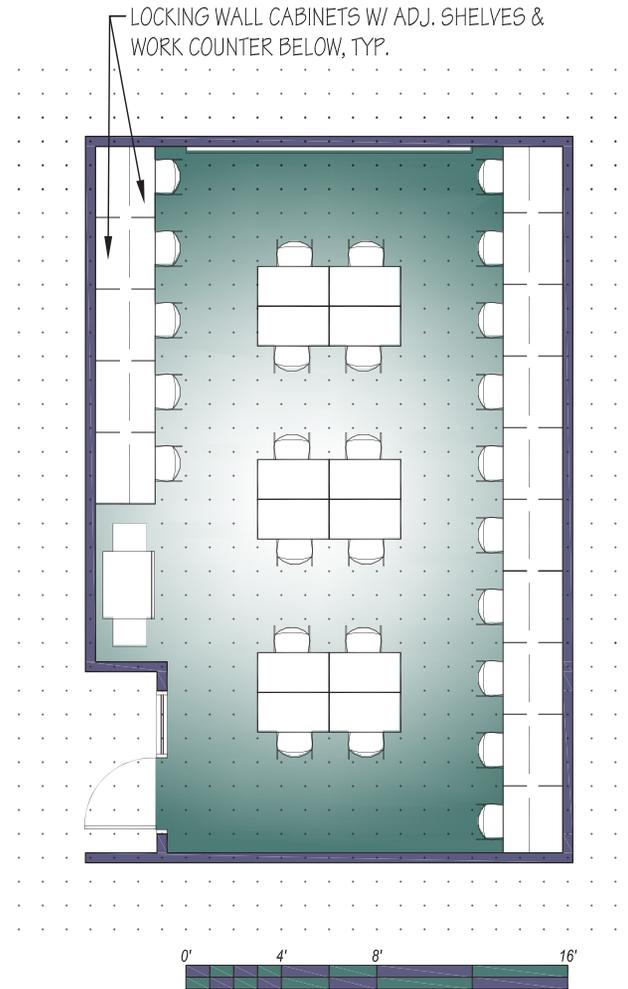
# INDIVIDUAL SPACE DIAGRAMS



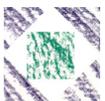
Second Floor Relationship Diagram



Medical Transcription Relationship Diagram



## INSTRUCTIONAL LAB (SHARED WITH MOA) Medical Transcription Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 600 sf
- Subtotal Required Area: 600 sf
- Subtotal Additional Area: 0 sf
- Total Area: 600 sf

### Occupant Summary

- Student Stations: 12
- Area Per Station: 50 sf

### Function / Tasks

- Provide a specialized instructional environment.

### Relationships

- Location: Second Floor
- Adjacency: Classroom & Faculty Office
- Proximity: Medical & Dental Assistant, Medical & Dental Office Administration
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: None required

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Whiteboard w/ map rail & tray: (1) 144"x48"
- Work Surface
- Hdwd. veneer wall cabinet: (72 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Clock: (1)

### Furnishings

- Student table: (6) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (28)
- Waste can: (1) 14" diameter
- Waste can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)

- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: Two (2) duplex receptacles per wall  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls  
Additional capacity for equipment listed

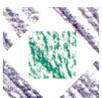
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

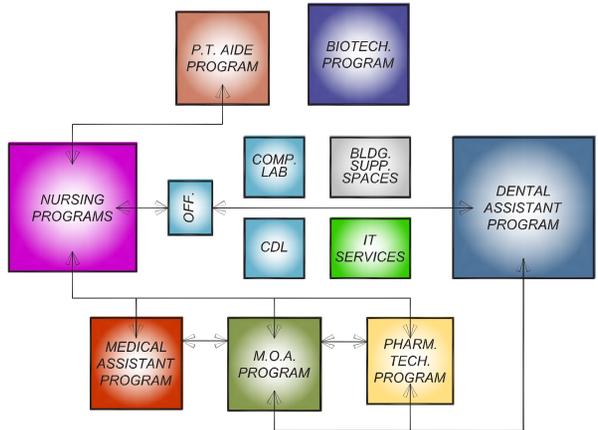
- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

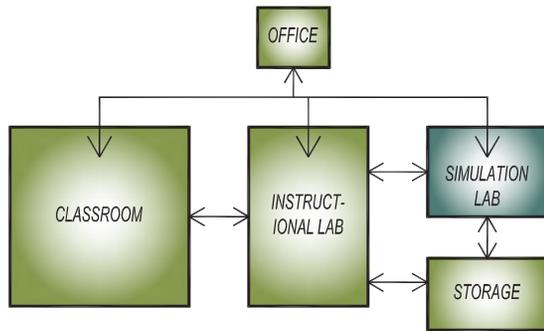
- Copier: (1)
- Computers and monitors: (20)
- Printer: (1)
- Scanner: (11)



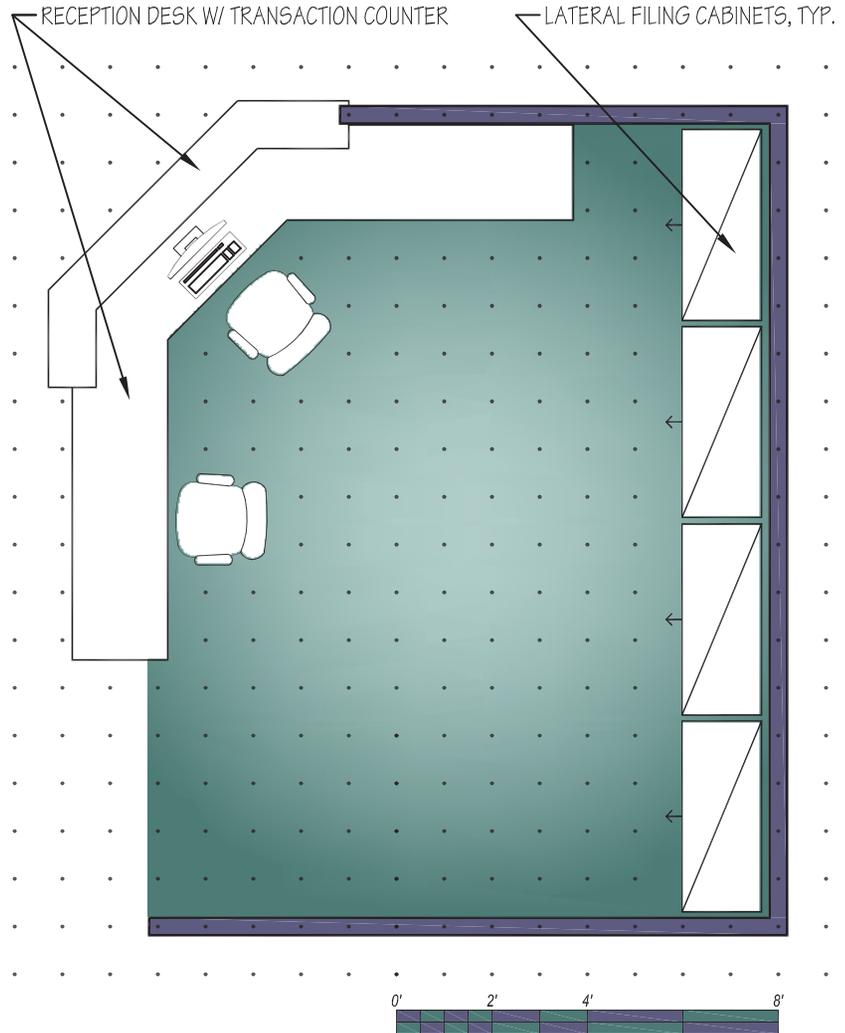
# INDIVIDUAL SPACE DIAGRAMS



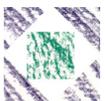
Second Floor Relationship Diagram



Medical Transcription Relationship Diagram



## SIMULATION LAB (SHARED WITH MOA) Medical Transcription Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open Simulation Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 300 sf
- Subtotal Required Area: 300 sf
- Subtotal Additional Area: 0 sf
- Total Area: 300 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty & Students

### Function / Tasks

- Provide a specialized instructional environment.

### Relationships

- Location: Second Floor
- Adjacency: Classroom & Faculty Office
- Proximity: Medical & Dental Assistant, Medical & Dental Office Administration
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- None required.

### Windows

- Natural Light: Not required
- Interior: Painted H.M. frame w/ 1/4" glazing

### Casework / Fixed Equipment

- Solid surface work counter: (16 lf) 24"Dx27"H w/ solid surface transaction counter (12"Dx10 lf x 36"H)
- Clock: (1)

### Furnishings

- 5-Drawer lateral filing cabinet: (4) 48"W
- Task chair, armless, swivel, adjustable: (2)
- Waste can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria:  $\leq 30$  (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

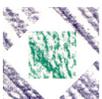
- Power: One (1) duplex receptacle per wall  
Two (2) four-plex receptacles at desk  
Additional capacity for equipment listed
- Data: One (1) device on opposing walls  
Two (2) devices at desk  
Additional capacity for equipment listed
- Phone: One (1) device on opposing walls  
Two (2) devices at desk
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

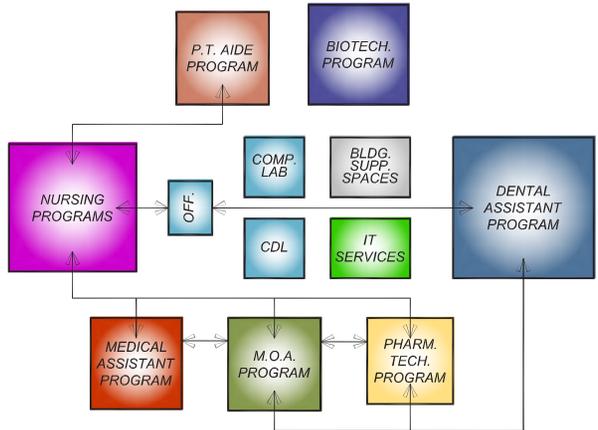
- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

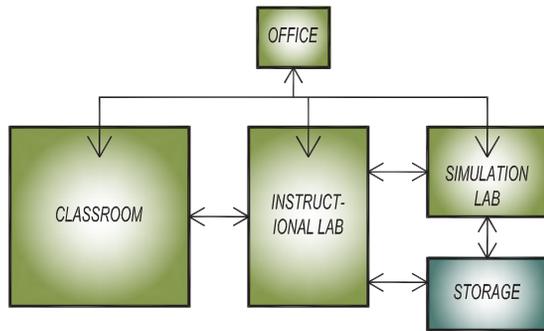
- Desktop computer, monitor and combo laser printer / copier / scanner.



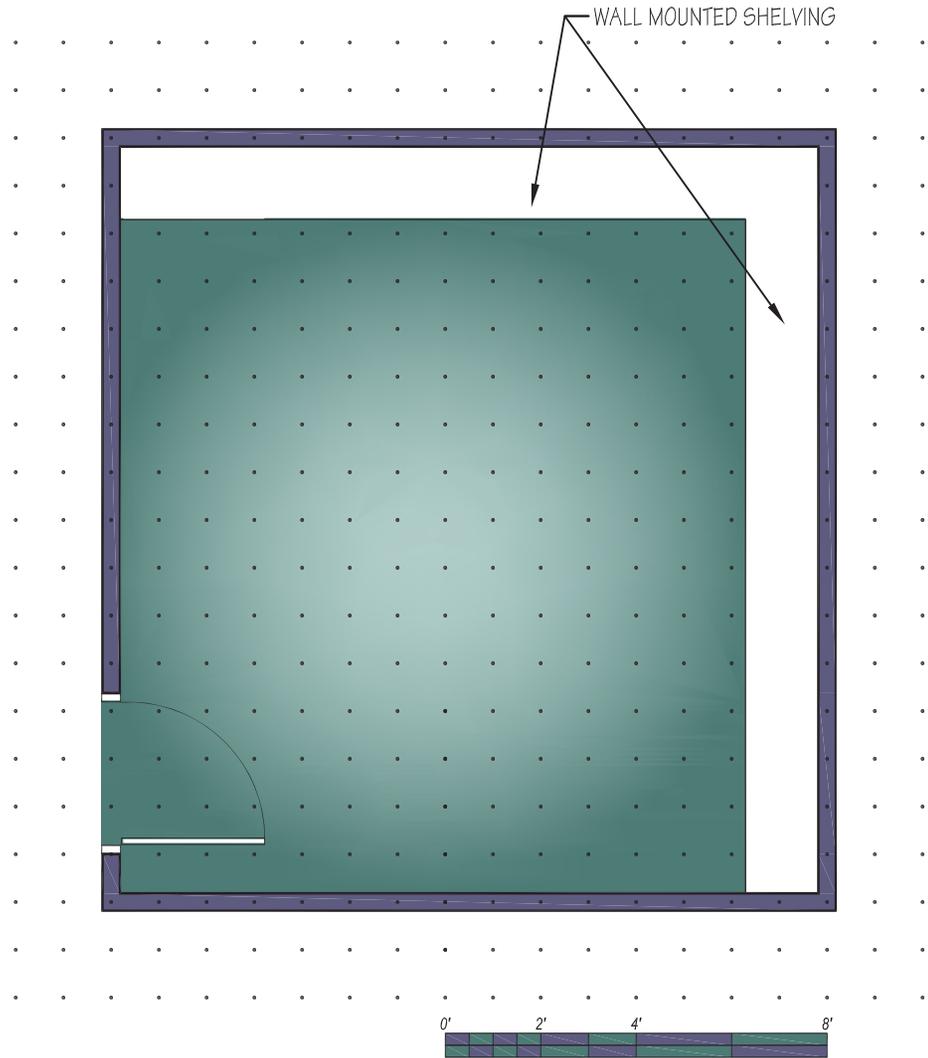
# INDIVIDUAL SPACE DIAGRAMS



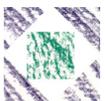
Second Floor Relationship Diagram



Medical Transcription Relationship Diagram



## CLASSROOM / LAB STORAGE (SHARED WITH MOA) Medical Transcription Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Secure Storage
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	240 sf
• Subtotal Required Area:	240 sf
• Subtotal Additional Area:	0 sf
• Total Area:	240 sf

### Occupant Summary

• Assigned Occupants:	0
• Users:	Faculty / Staff

### Function / Tasks

- Provide secure storage for teaching aids, equipment & supplies.

### Relationships

• Location:	Second Floor
• Adjacency:	Medical Transcription Classroom & Instructional Labs
• Proximity:	None required
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	VCT w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

• Type:	Solid core wood w/ clear finish
• Frame:	Painted hollow metal
• Special:	Electronic access lock

### Windows

• Natural Light:	Not required
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### Casework / Fixed Equipment

• Wall-mounted shelving:	(30 lf) 24"Dx84"H P.Lam. w/ (8) adjustable shelves
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### Furnishings

• None required	
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## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	0.15 CFM/SF (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	74°F
• Winter Design Temp.:	74°F

• Controls:	Individual direct digital controls
• Sound Criteria:	None required

• Special Systems:	None required
• Plumbing:	None required

### Electrical

• Power:	One (1) duplex receptacle each wall
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• Data:	Rough-in for future capacity
• Phone:	Rough-in for future capacity

• Video:	Rough-in for future capacity
• Intercom:	Rough-in for future capacity

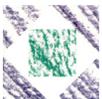
### Lighting

• Fixture Type:	T-8 Fluorescent lay-in
• Task Light:	None required

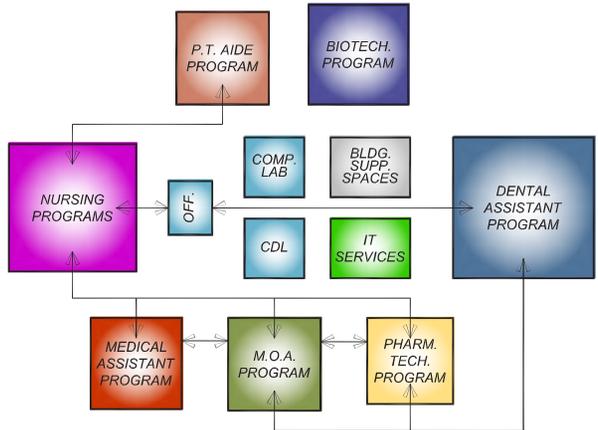
• Foot Candles:	30
• Controls:	Occupancy sensor

### Equipment (NIC)

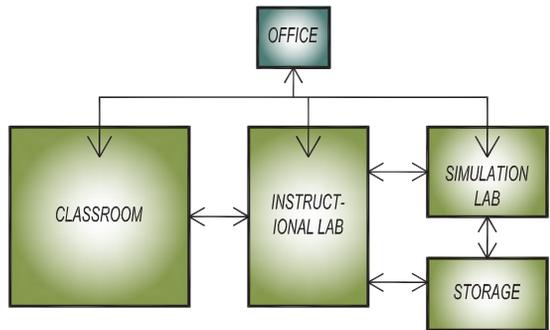
• None required.	
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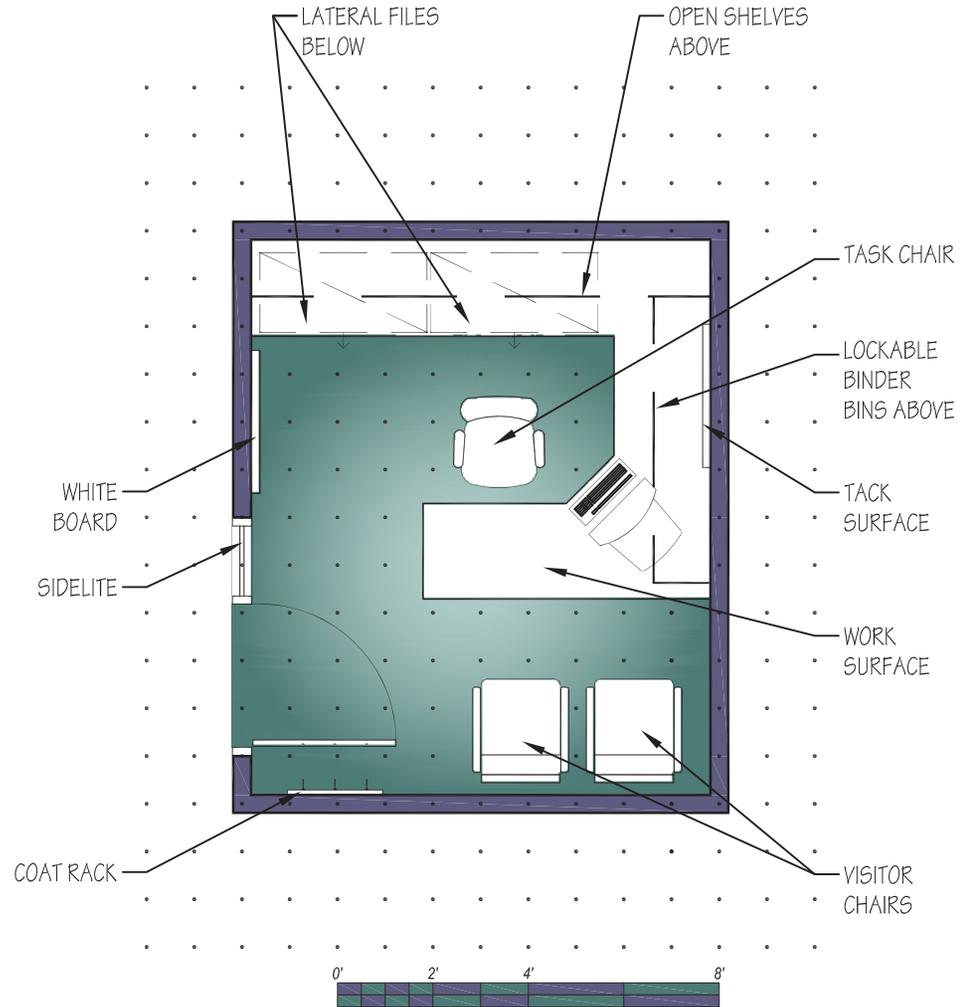
# INDIVIDUAL SPACE DIAGRAMS



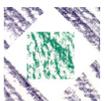
Second Floor Relationship Diagram



Medical Transcription Relationship Diagram



## FACULTY OFFICE (SHARED WITH MOA) Medical Transcription Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 120 sf
- Subtotal Additional Area: 0 sf
- Total Area: 120 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: Second Floor
- Adjacency: Classroom & Lab
- Proximity: Medical & Dental Assistant, Medical & Dental Office Administration
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical tile ceiling
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Coat Rack: 18x6x<sup>3</sup>/<sub>4</sub> oak plate w/ 2 dbl-prong
- Whiteboard (alum. frame & tray): (1) 48"x48"

### Furnishings

- Work Surface: (1) 24"x60" & (1) 24"x78"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface w/ round end: (1) 24"x36"
- Shelf Unit, 2-shelves high: (2) 14"x48"
- Binder Bin w/ lockable door: (2) 15"x36"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

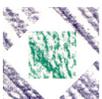
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

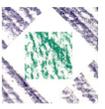
- Desktop computer, monitor & combo laser printer / copier / scanner.





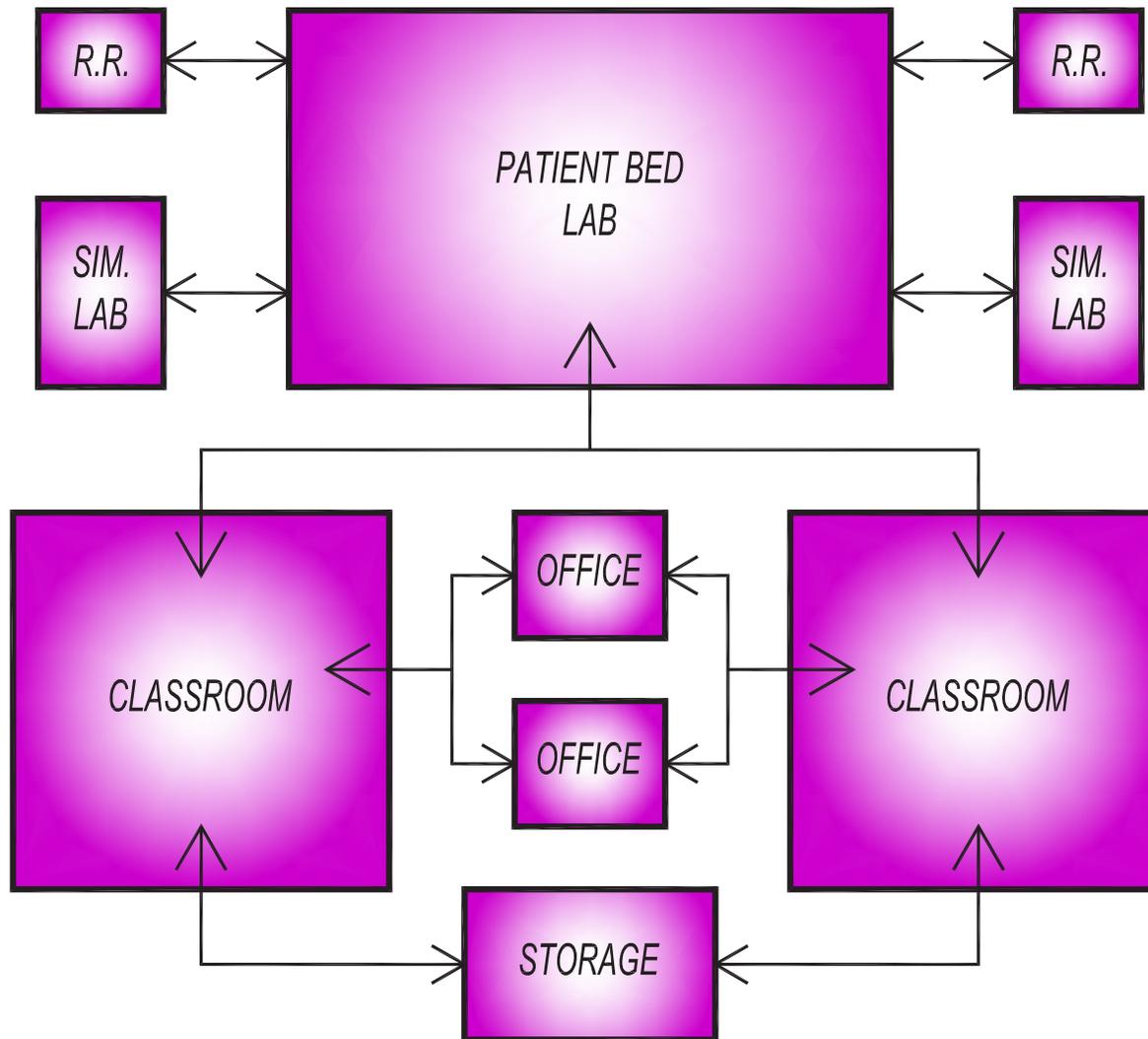
**NORTHERN *Utah* CAMPUS *New* BUILDING PROGRAM**  
Mountainland Applied Technology College

**HFS**Architects

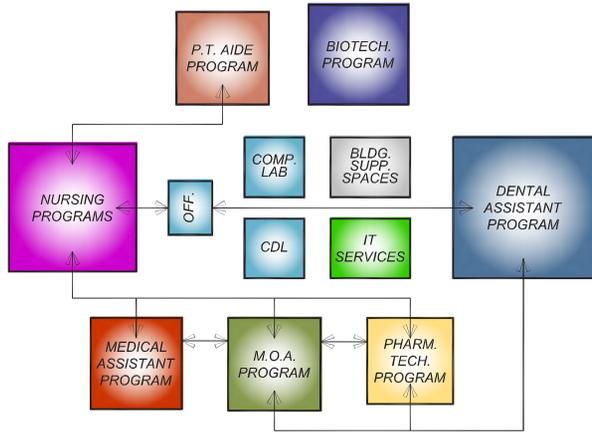


# INDIVIDUAL SPACE REQUIREMENTS

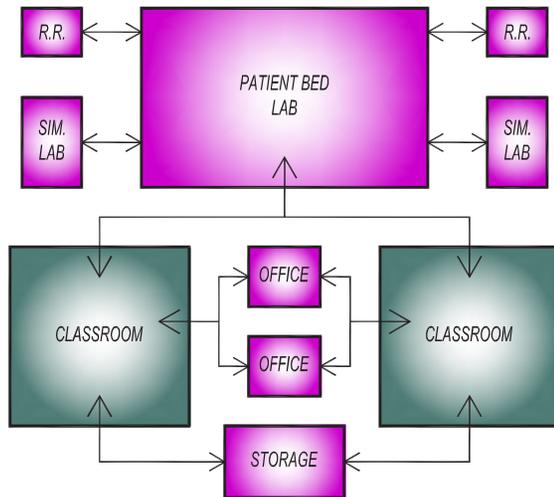
## NURSING PROGRAMS RELATIONSHIP DIAGRAM



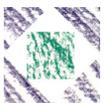
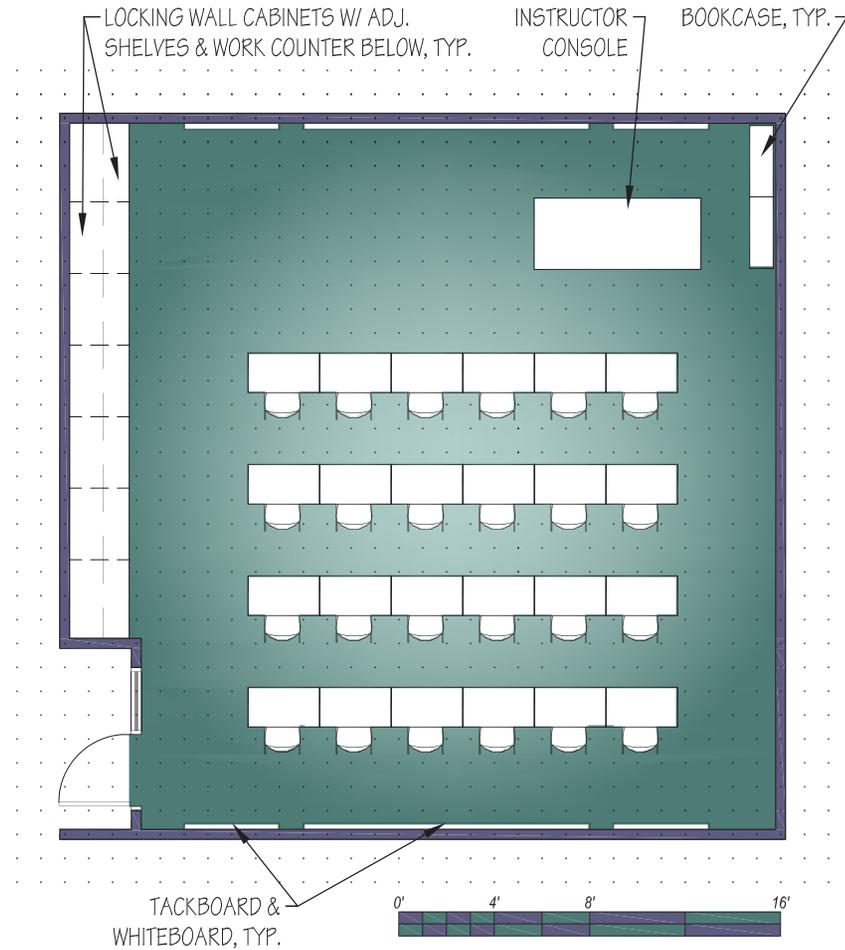
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



Nursing Programs Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Classroom
- Number Required: 2
- Number Additional: 0
- Total Number: 2

### Net Area Summary

- Area (each): 900 sf
- Subtotal Required Area: 1,800 sf
- Subtotal Additional Area: 0 sf
- Total Area: 1,800 sf

### Occupant Summary

- Student Stations: 25
- Area Per Station: 30 sf

### Function / Tasks

- Provide flexible teaching environment.

### Relationships

- Location: Second Floor
- Adjacency: Instructional Labs, Faculty Office & Storage
- Proximity: Pharmacy Technician & Physical Therapy Aide Programs
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required, provide adequate light control for computer & multi-media use
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Instructor console w/ podium (1) 36"x84"
- Whiteboard w/ map rail & tray: (2) 168"x48"
- Tackboard w/ frame: (2) 48"x48"
- Solid surface work counter: (21 lf) 30"Dx27"H
- Hdwd. veneer wall cabinet: (21 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Hdwd. veneer bookcase: (2) 36"Wx12"Dx84"H w/ (5) adjustable shelves & (1) fixed shelf
- Projector mount / ports & cable connection: (1)
- Clock: (1)
- Projection screen: (1) 96"W

### Furnishings

- Student table: (25) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (26)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

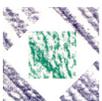
- Power: Two (2) duplex receptacles per wall & at instructor station  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls & at instructor station  
One (1) wireless airport  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls & at instructor station
- Video: A/V system w/ internet connection
- Intercom: Ceiling speaker

### Lighting

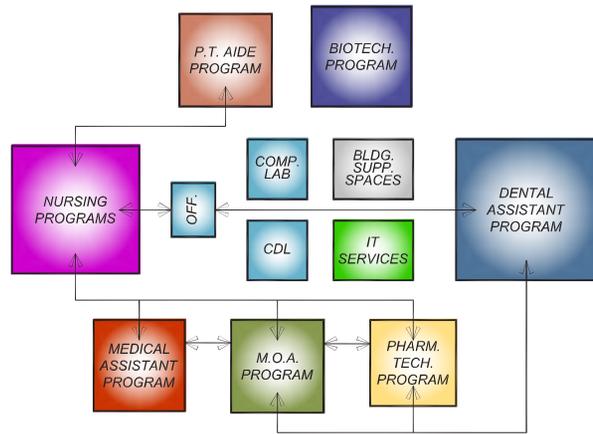
- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

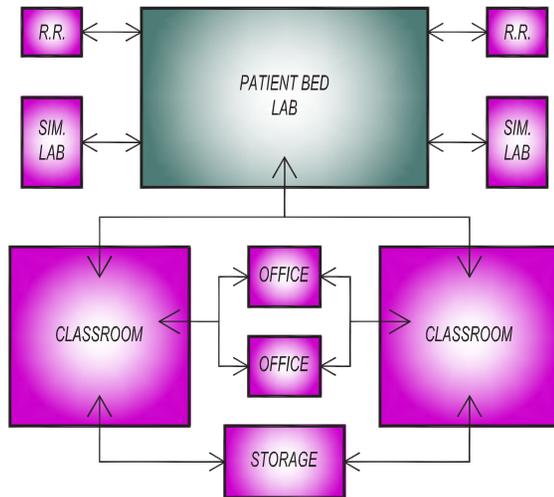
- Elmo desktop presentation unit: (1)
- Desktop computer, monitor, printer/scanner: (1)
- Capacity for 25 laptop computers; video monitors; overhead, opaque, slide & film projectors; & audio devices.



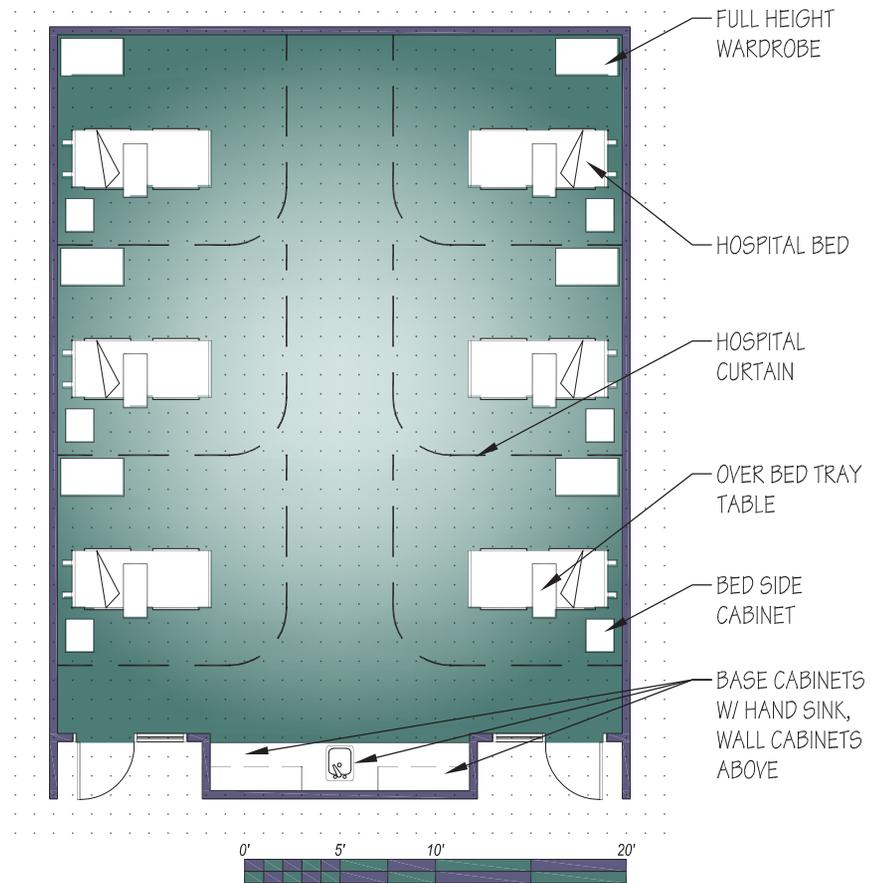
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



Nursing Programs Relationship Diagram



## PATIENT BED LAB Nursing Programs

# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 6 Beds
- Number Additional: 0 Beds
- Total Number: 6 Beds

### Net Area Summary

- Area (each): 200 sf
- Subtotal Required Area: 1,200 sf
- Subtotal Additional Area: 0 sf
- Total Area: 1,200 sf

### Occupant Summary

- Student Stations: 6
- Area Per Station: 200 sf

### Function / Tasks

- Provide a specialized instructional environment.

### Relationships

- Location: Second Floor
- Adjacency: Nursing Classroom & Faculty Office
- Proximity: Nursing Simulation Lab
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: None required

### Windows

- Natural Light: Desired
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Hdwd. veneer base cabinet: (14 lf) 24"Dx36"H w/ solid surface countertop, lockable doors & drawers, adjustable shelf
- Hdwd. veneer wall cabinet: (10 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Hospital curtain & track: (6) 24 lf
- Wall-mounted sharps container: (6)
- Clock: (1)

### Furnishings

- Electric, adjustable hospital bed: (6)
- Over-bed tray table: (6)
- Bed-side cabinet: (6)
- Full height wardrobe: (6)
- Waste can: (6) 14" diameter
- Biohazard waste receptacle: (6) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: None required
- Plumbing: Hand wash sink  
Water, waste & vent
- Medical gas: Outlets at stations
- Compressed air: At stations

### Electrical

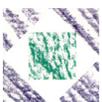
- Power: Two (2) duplex receptacles per wall  
Two (2) four-plex receptacles per station  
Outlets at bed head to comply w/ current hospital code requirements  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls  
One (1) device per station  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

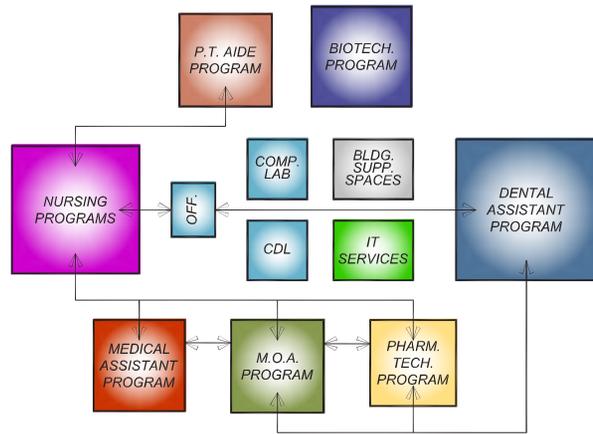
- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

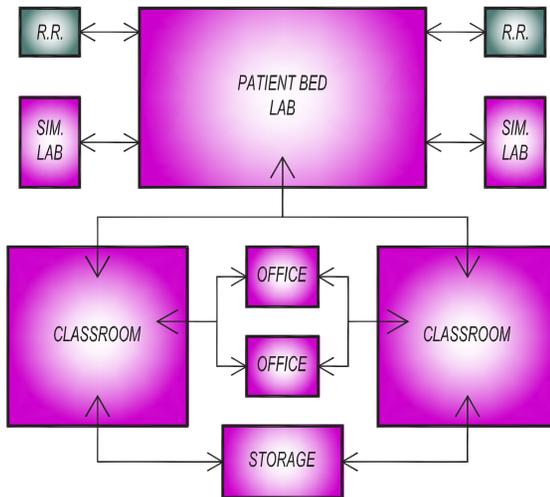
- Sim-man: (6)



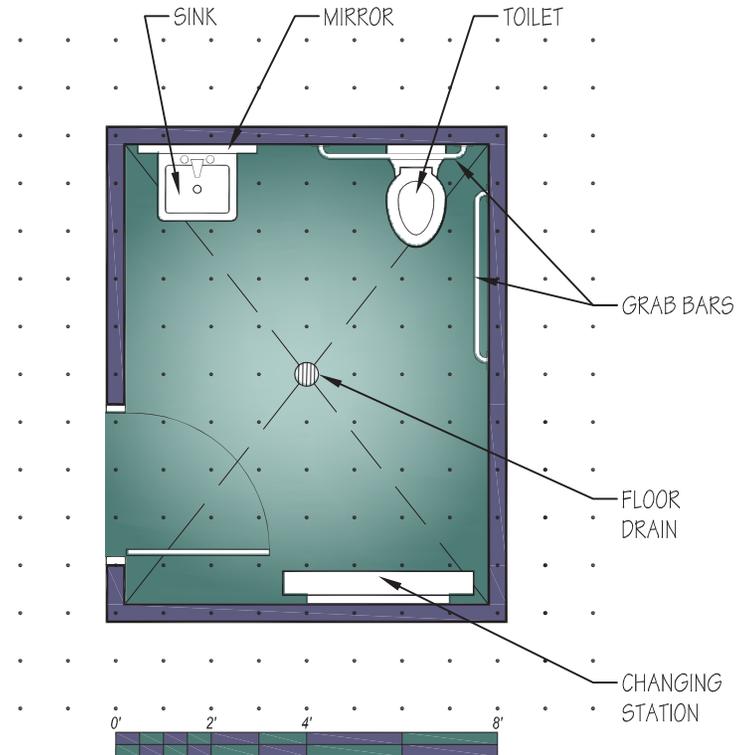
# INDIVIDUAL SPACE DIAGRAMS



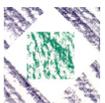
*Second Floor Relationship Diagram*



*Nursing Programs Relationship Diagram*



## PATIENT RESTROOM SIMULATION LAB Nursing Programs



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 80 sf
- Subtotal Required Area: 80 sf
- Subtotal Additional Area: 0 sf
- Total Area: 80 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty & Students

### Function / Tasks

- Provide a specialized instructional environment.

### Relationships

- Location: Second Floor
- Adjacency: Classroom, Lab, Exam Room & Faculty Office
- Proximity: Physical Therapy Aide, & Dental Assistant Programs
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Ceramic tile w/ 4" ceramic tile base
- Walls: Ceramic tile
- Ceiling: Suspended gypsum board w/ acoustical tile
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- Water closet: (1)
- Lavatory w/ built-in base cabinet: (1) 3 lf
- Mirror w/ stainless steel shelf: (1) 30"x48"
- Grab bars, stainless steel: As required
- Dispensers for paper towels, soap, toilet paper, sanitary napkins: As required
- Waste receptacles, stainless steel: (1)
- Changing station

### Furnishings

- None required.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 75 CFM/WC or Urinal
- Air Circulation: 100% Exhaust
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria:  $\leq 40$  (NC/RC)
- Special Systems: 5 Minute air changes (min.)
- Plumbing: Floor drain, water, waste & vent

### Electrical

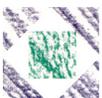
- Power: One (1) GFCI duplex receptacle
- Data: None required
- Phone: None required
- Video: None required
- Intercom: Ceiling speaker

### Lighting

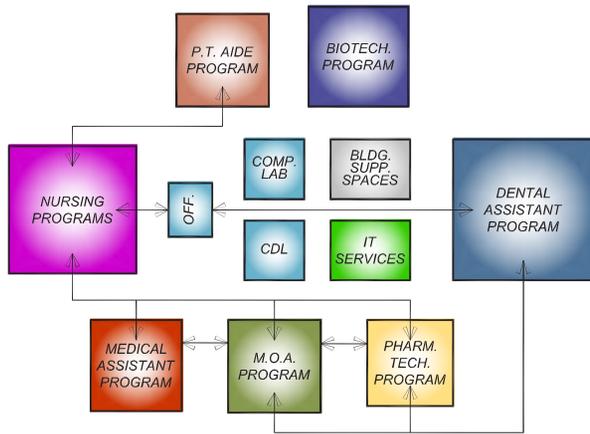
- Fixture Type: T-8 Fluorescent
- Task Light: None required
- Foot Candles: 30
- Controls: Occupancy sensor

### Equipment (NIC)

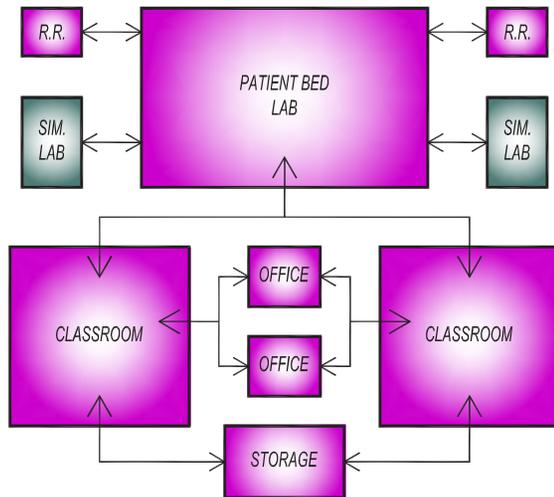
- None required.



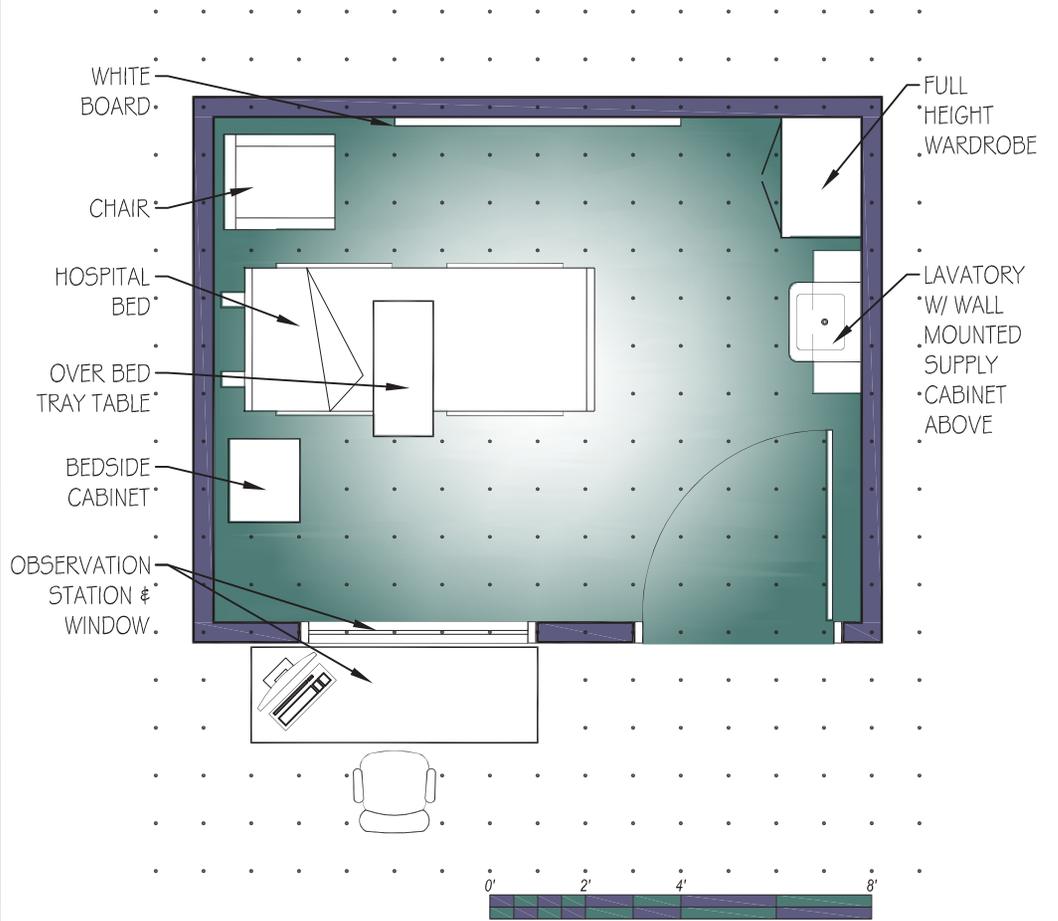
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



Nursing Programs Relationship Diagram



## HOSPITAL ROOM SIMULATION LAB Nursing Programs

# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Instructional Lab
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	150 sf
• Subtotal Required Area:	150 sf
• Subtotal Additional Area:	0 sf
• Total Area:	150 sf

### Occupant Summary

• Assigned Occupants:	0
• Users:	Faculty & Students

### Function / Tasks

- Provide a specialized instructional and testing environment

### Relationships

• Location:	Second Floor
• Adjacency:	
• Proximity:	
• Separation:	

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Static-free carpet w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

• Type:	Solid-core wood w/ clear finish
• Frame:	Painted hollow metal
• Special:	None required

### Windows

• Natural Light:	Not required
• Interior:	Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

• Hdwd. veneer wall cabinet:	(3 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
• Whiteboard w/ map rail & tray:	(1) 48"x48"
• Wall-mounted sharps container:	(1)
• Video camera mount/ports/cable connection:	1
• Clock:	(1)

### Furnishings

• Electric, adjustable hospital bed:	(1)
• Upholstered side chair:	(1) 27"x28"
• Over-bed tray table:	(1)
• Bed-side cabinet:	(1)
• Full height wardrobe:	(1)
• Waste can:	(1) 14" diameter
• Biohazard waste receptacle:	(1) 14" diameter
• Desk:	(1)
• Task chair, armless, swivel, adjustable:	(1)

## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	20 CFM/person (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	72°F
• Winter Design Temp.:	72°F
• Controls:	Individual direct digital controls
• Sound Criteria:	≤35 (NC/RC)
• Special Systems:	Medical gas, compressed air
• Plumbing:	Hand wash sink, water, waste & vent

### Electrical

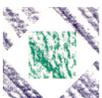
• Power:	One (1) duplex receptacle per wall Two (2) four-plex receptacles at bed Outlets at bed head to comply w/ current hospital code requirements Additional capacity for equipment listed
• Data:	One (1) at bed & one (1) device per wall
• Phone:	One (1) device
• Video:	Security camera
• Intercom:	Ceiling speaker

### Lighting

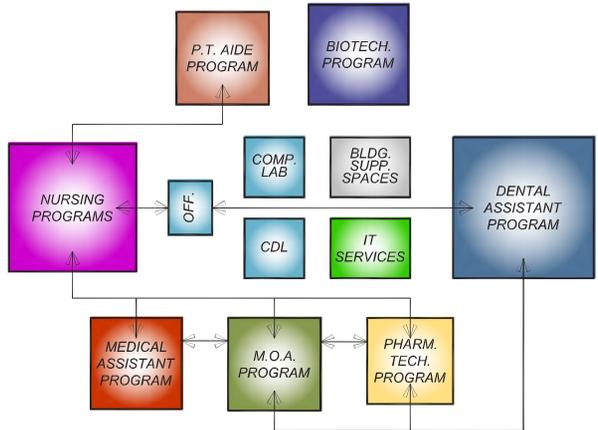
• Fixture Type:	T-8 Fluorescent lay-in indirect
• Task Light:	Required at bed station
• Foot Candles:	50
• Controls:	Occupancy sensor w/ local override for task light

### Equipment (NIC)

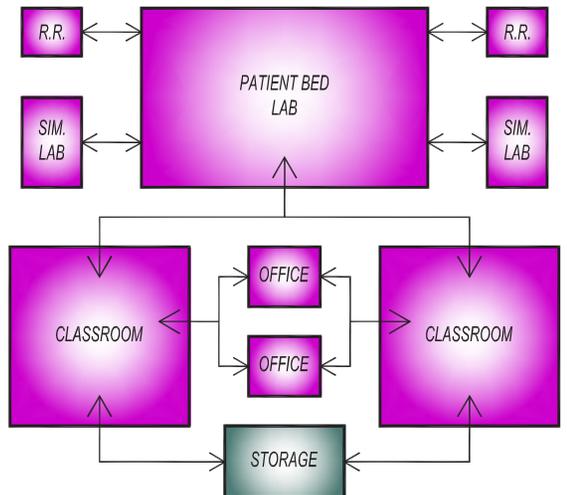
• Desktop computer, laser printer:	(1)
• Surveillance monitor:	(1)
• Video recorder:	(1)
• Sim-man:	(1)



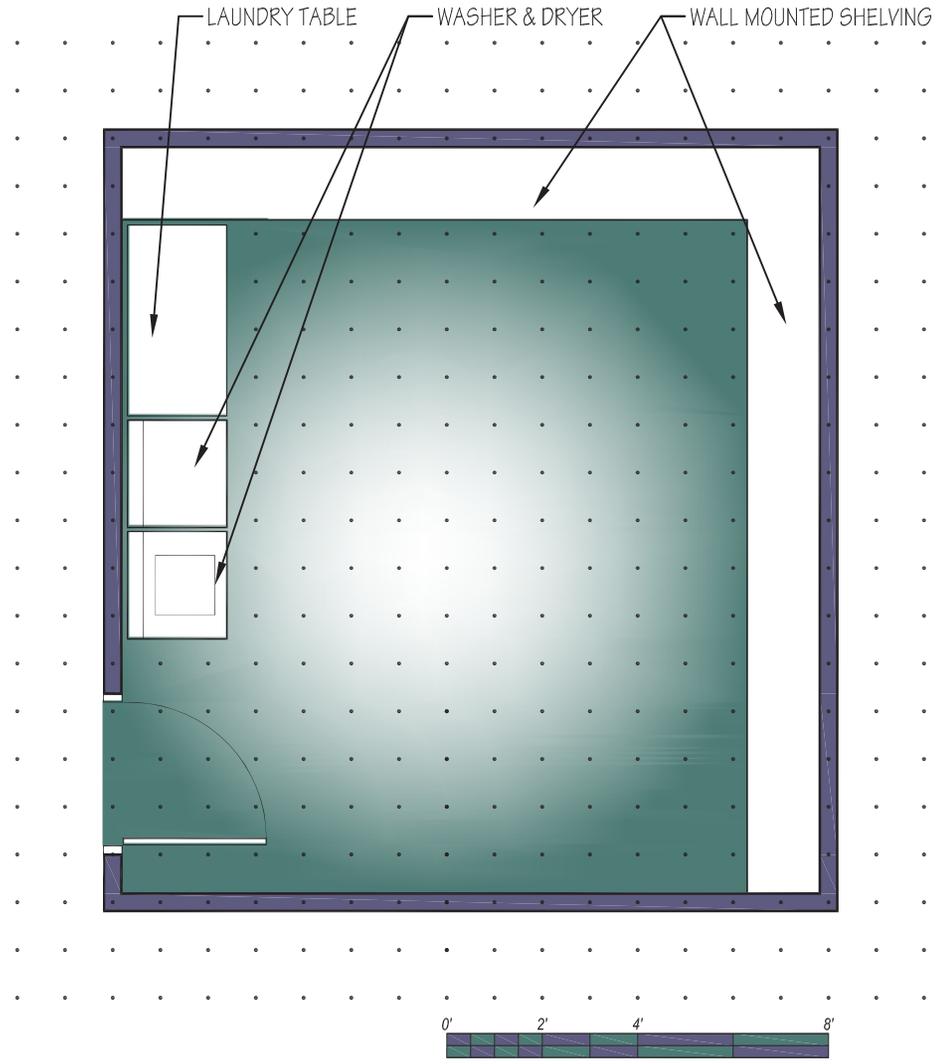
# INDIVIDUAL SPACE DIAGRAMS



*Second Floor Relationship Diagram*



*Nursing Programs Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Secure Storage
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	240 sf
• Subtotal Required Area:	240 sf
• Subtotal Additional Area:	0 sf
• Total Area:	240 sf

### Occupant Summary

• Assigned Occupants:	0
• Users:	Faculty / Staff

### Function / Tasks

- Provide secure storage for teaching aids, equipment & supplies.

### Relationships

• Location:	Second Floor
• Adjacency:	Nursing Classroom & Instructional Labs
• Proximity:	None required
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	VCT w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
------------------------------	-------

### Doors

• Type:	Solid core wood w/ clear finish
• Frame:	Painted hollow metal
• Special:	Electronic access lock

### Windows

• Natural Light:	Not required
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### Casework / Fixed Equipment

• Wall-mounted shelving:	(24 lf) 24"Dx84"H P.Lam. w/ (8) adjustable shelves
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### Furnishings

- None required.

## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	0.15 CFM/SF (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	74°F
• Winter Design Temp.:	74°F

• Controls:	Individual direct digital controls
• Sound Criteria:	None required

• Special Systems:	None required
• Plumbing:	Floor drain Gas, water, waste & vent

### Electrical

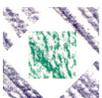
• Power:	One (1) duplex receptacle each wall
• Data:	Rough-in for future capacity
• Phone:	Rough-in for future capacity
• Video:	Rough-in for future capacity
• Intercom:	Rough-in for future capacity

### Lighting

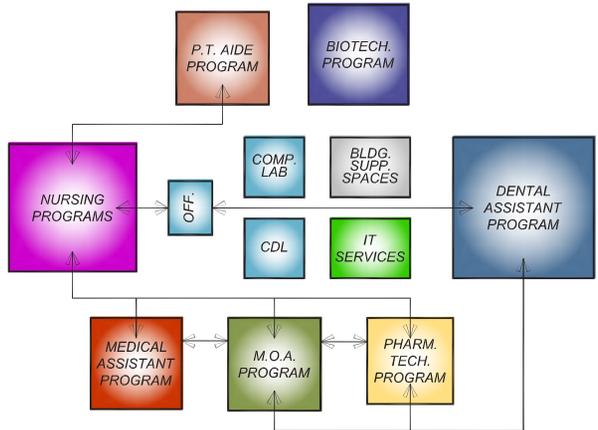
• Fixture Type:	T-8 Fluorescent lay-in
• Task Light:	None required
• Foot Candles:	30
• Controls:	Occupancy sensor

### Equipment (NIC)

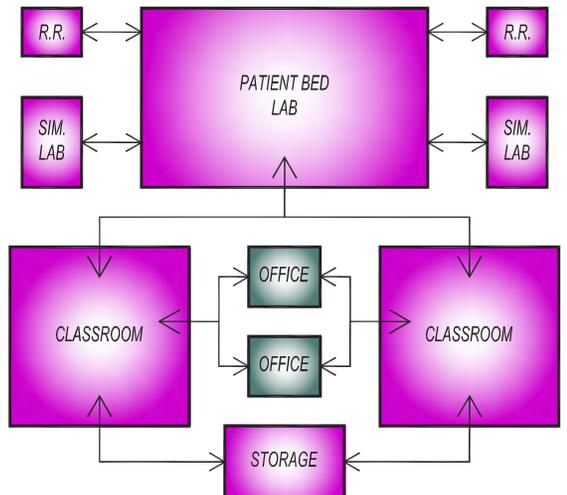
- Washer & dryer



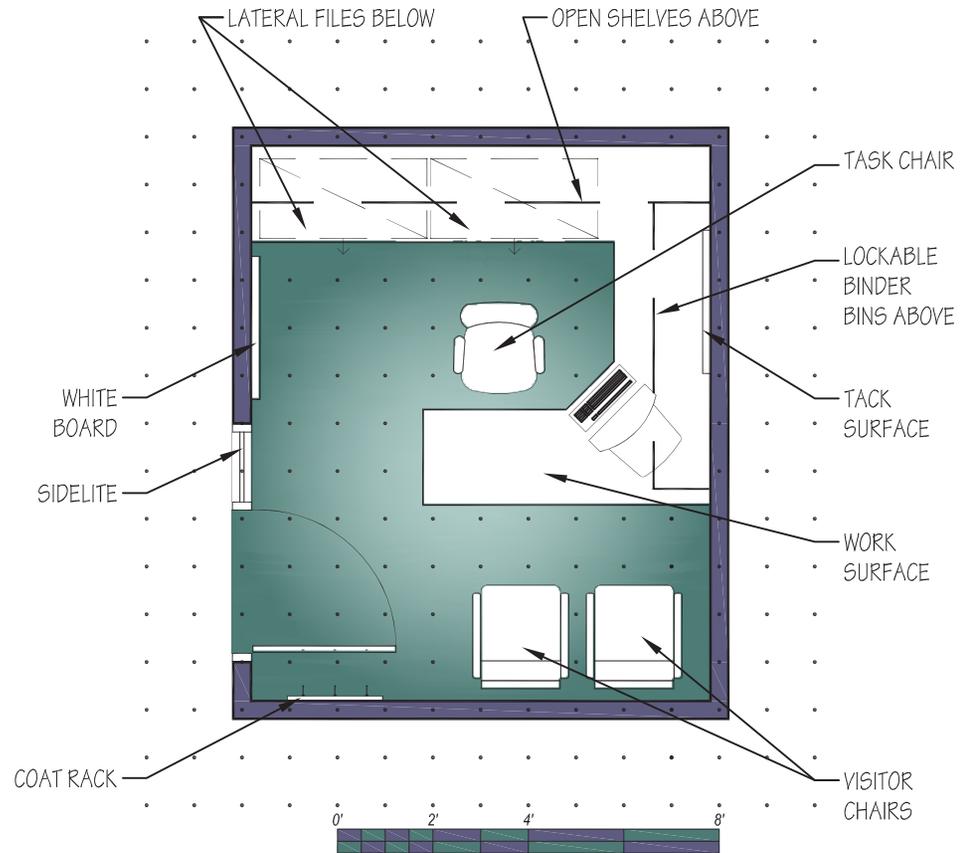
# INDIVIDUAL SPACE DIAGRAMS



*Second Floor Relationship Diagram*



*Nursing Programs Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 2
- Number Additional: 0
- Total Number: 2

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 240 sf
- Subtotal Additional Area: 0 sf
- Total Area: 240 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: Second Floor
- Adjacency: Classroom & Instructional Labs,  
Pharmacy Technician  
& Physical Therapy Aide Programs
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical tile ceiling
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Coat Rack: 18x6x<sup>3</sup>/<sub>4</sub> oak plate w/ 2 dbl-prong
- Whiteboard (alum. frame & tray): (1) 48"x48"

### Furnishings

- Work Surface: (1) 24"x60" & (1) 24"x78"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface w/ round end: (1) 24"x36"
- Shelf Unit, 2-shelves high: (2) 14"x48"
- Binder Bin w/ lockable door: (2) 15"x36"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

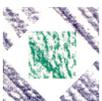
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

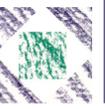
- Desktop computer, monitor & combo laser printer / copier / scanner.





**NORTHERN UTAH CAMPUS NEW BUILDING PROGRAM**  
Mountainland Applied Technology College

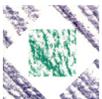
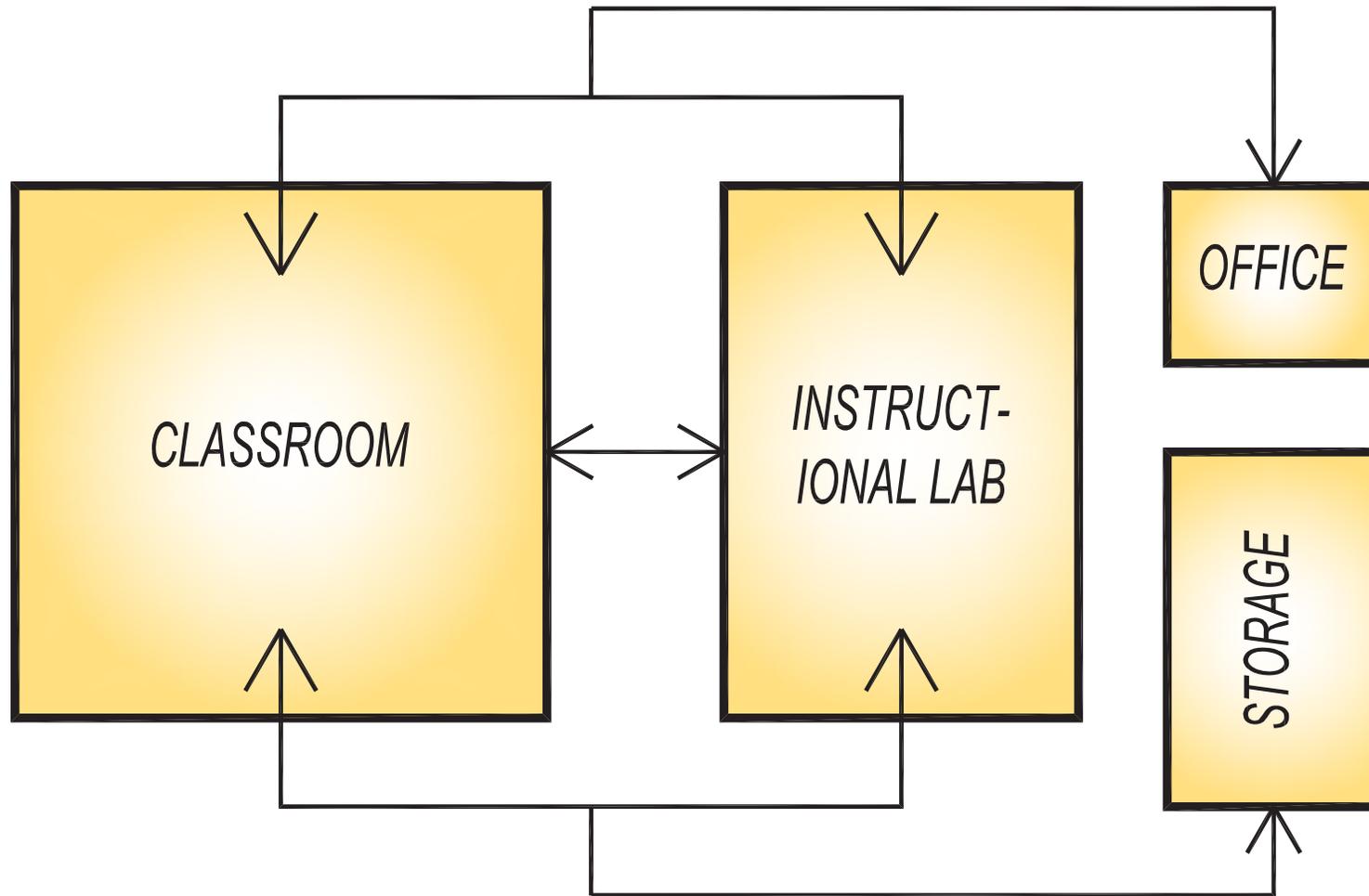
**HFS**Architects



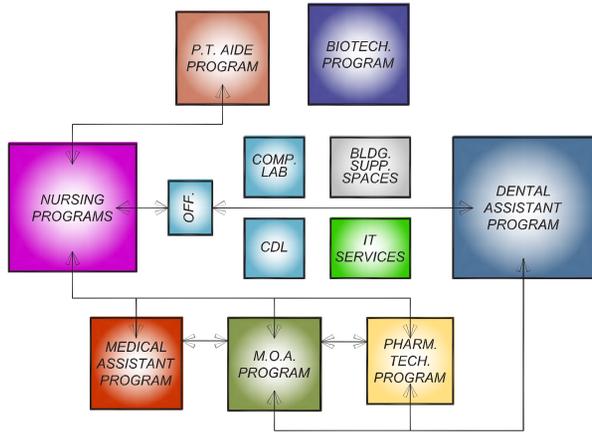
# INDIVIDUAL SPACE REQUIREMENTS



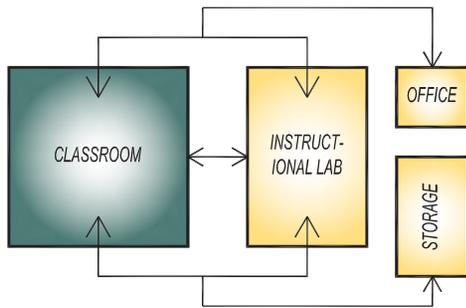
## PHARMACY TECHNICIAN PROGRAM RELATIONSHIP DIAGRAM



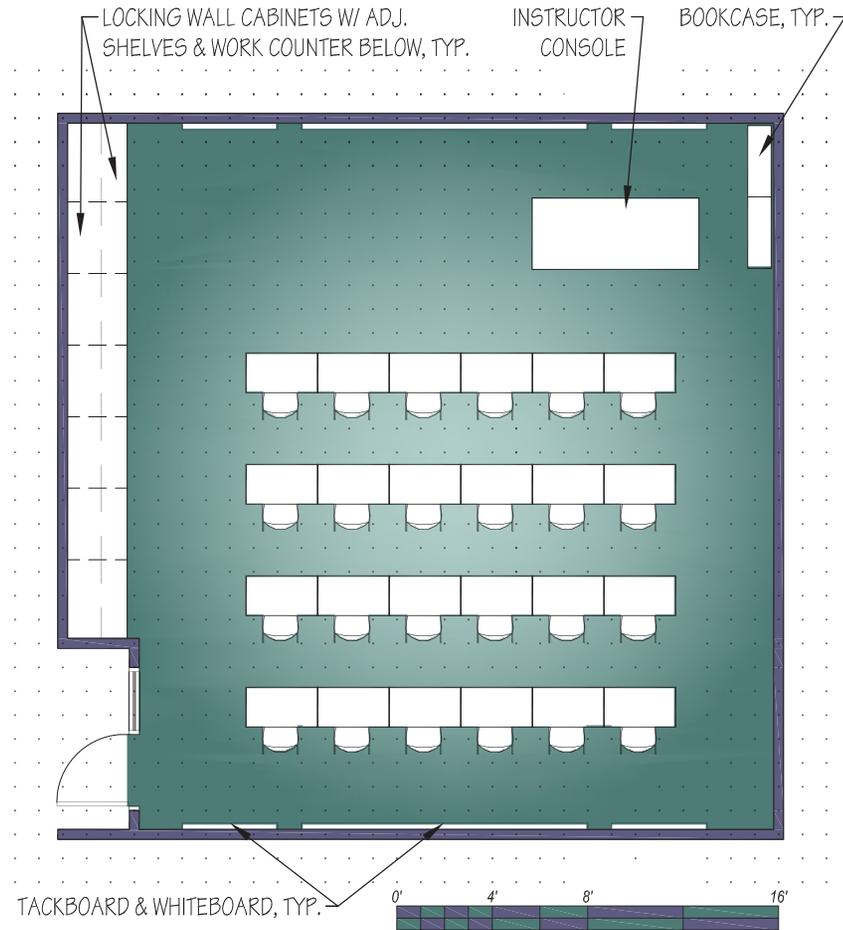
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



Pharmacy Tech Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Classroom
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	900 sf
• Subtotal Required Area:	900 sf
• Subtotal Additional Area:	0 sf
• Total Area:	900 sf

### Occupant Summary

• Student Stations:	25
• Area Per Station:	30 sf

### Function / Tasks

- Provide flexible teaching environment.

### Relationships

• Location:	Second Floor
• Adjacency:	Dispensing Lab, Faculty Office & Storage
• Proximity:	Medical Assistant, Dental Assistant & Veterinarian Technician Programs
• Separation:	Mechanical & elevator rooms Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required, provide adequate light control for computer & multi-media use
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Instructor console w/ podium (1) 36"x84"
- Whiteboard w/ map rail & tray: (2) 168"x48"
- Tackboard w/ frame: (2) 48"x48"
- Solid surface work counter: (21 lf) 30"Dx27"H
- Hdwd. veneer wall cabinet: (21 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Hdwd. veneer bookcase: (2) 36"Wx12"Dx84"H w/ (5) adjustable shelves & (1) fixed shelf
- Projector mount / ports & cable connection: (1)
- Projection screen: (1) 96"W
- Clock: (1)

### Furnishings

- Student table: (25) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (26)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

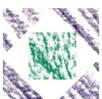
- Power: Two (2) duplex receptacles per wall & at instructor station  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls & at instructor station  
One (1) wireless airport  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls & at instructor station
- Video: A/V system w/ internet connection
- Intercom: Ceiling speaker

### Lighting

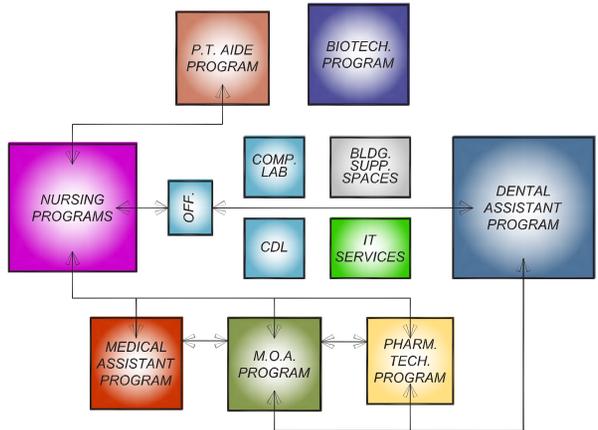
- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

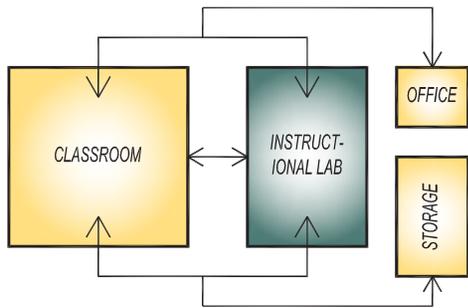
- Elmo desktop presentation unit: (1)
- Desktop computer, monitor, printer/scanner: (1)
- Capacity for 25 laptop computers; video monitors; overhead, opaque, slide & film projectors; & audio devices.



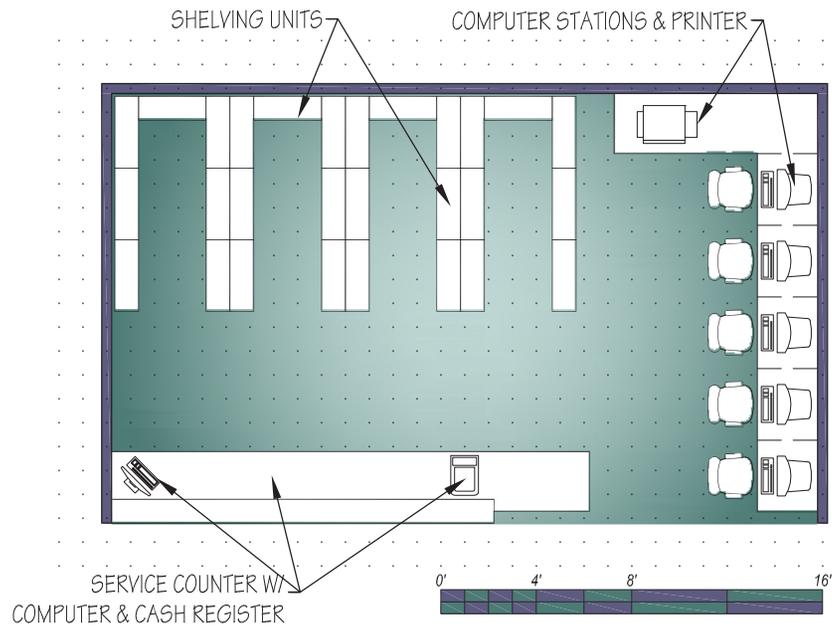
# INDIVIDUAL SPACE DIAGRAMS



*Second Floor Relationship Diagram*

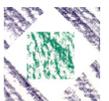


*Pharmacy Tech Relationship Diagram*



## DISPENSING LAB

### Pharmacy Technician Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 540 sf
- Subtotal Required Area: 540 sf
- Subtotal Additional Area: 0 sf
- Total Area: 540 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty & Students

### Function / Tasks

- Provide a specialized instructional environment.

### Relationships

- Location: Second Floor
- Adjacency: Classroom, Faculty Office & Storage
- Proximity: Medical Assistant, Dental Assistant & Veterinarian Technician Programs
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: VCT w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: None required

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Solid surface work counter: (24 lf) 30"Dx27"H
- Hdwd. veneer bookcase: (28) 36"wx12"dx84"h w/ (5) adjustable shelves & (1) fixed shelf
- Hdwd. veneer service counter: (20 lf) 24"Dx34"H w/ solid surface countertop
- Clock: (1)

### Furnishings

- Task chair, armless, swivel, adjustable: (5)
- Waste can: (1) 14" dia.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

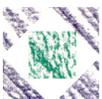
- Power: Two (2) duplex receptacles per wall  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

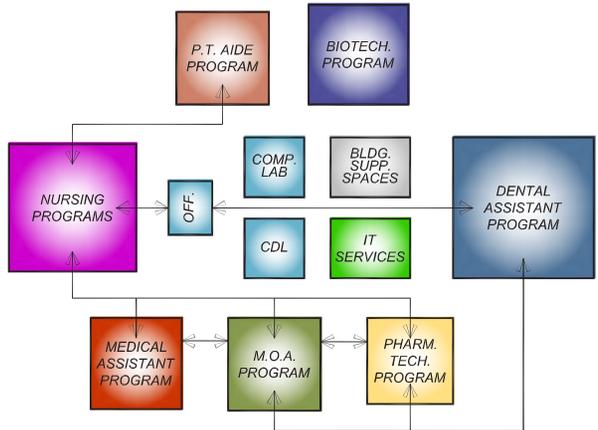
- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

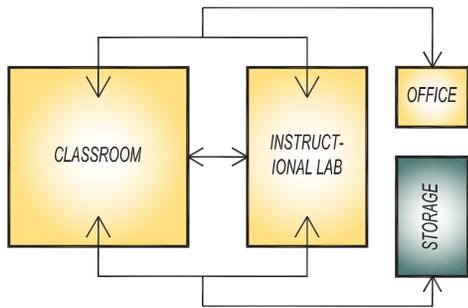
- Desktop computer & monitor (6), printer (1), cash register (1), credit card machine



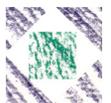
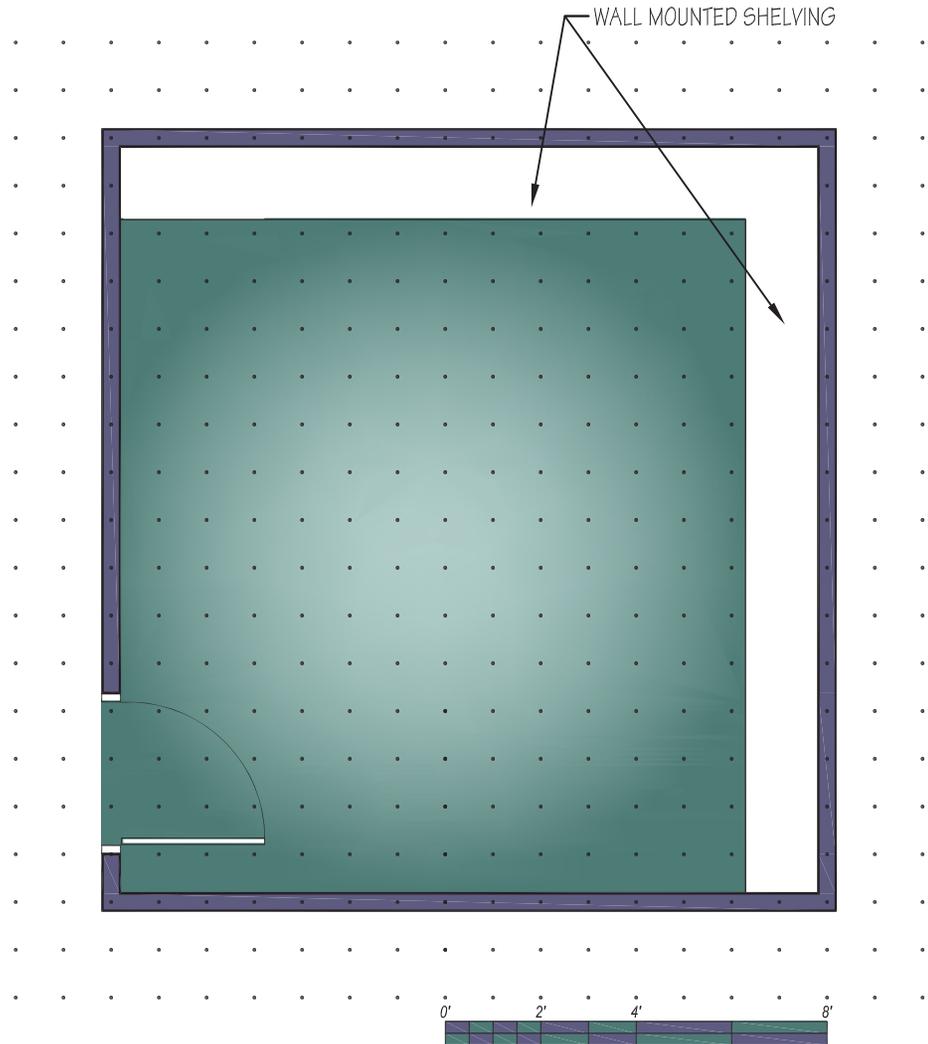
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



Pharmacy Tech Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Secure Storage
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 240 sf
- Subtotal Required Area: 240 sf
- Subtotal Additional Area: 0 sf
- Total Area: 240 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty / Staff

### Function / Tasks

- Provide secure storage for teaching aids, equipment & supplies.

### Relationships

- Location: Second Floor
- Adjacency: Pharmacy Technician Classroom & Instructional Labs
- Proximity: None required
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: VCT w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: Electronic access lock

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- Wall-mounted shelving: (30 lf) 24"Dx84"H P.Lam. w/ (8) adjustable shelves

### Furnishings

- None required

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 0.15 CFM/SF (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 74°F
- Winter Design Temp.: 74°F

- Controls: Individual direct digital controls
- Sound Criteria: None required

- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall

- Data: Rough-in for future capacity
- Phone: Rough-in for future capacity

- Video: Rough-in for future capacity
- Intercom: Rough-in for future capacity

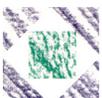
### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required

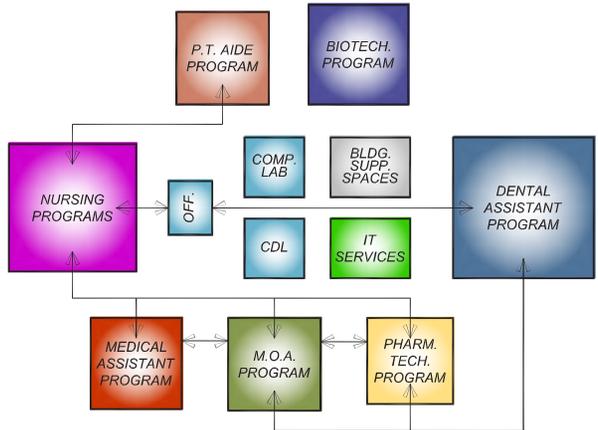
- Foot Candles: 30
- Controls: Occupancy sensor

### Equipment (NIC)

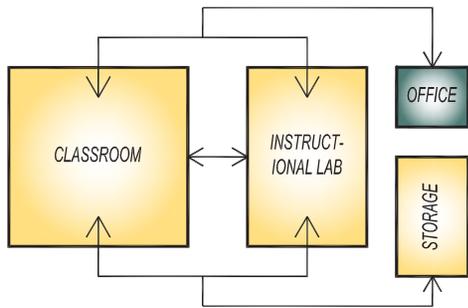
- None required.



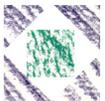
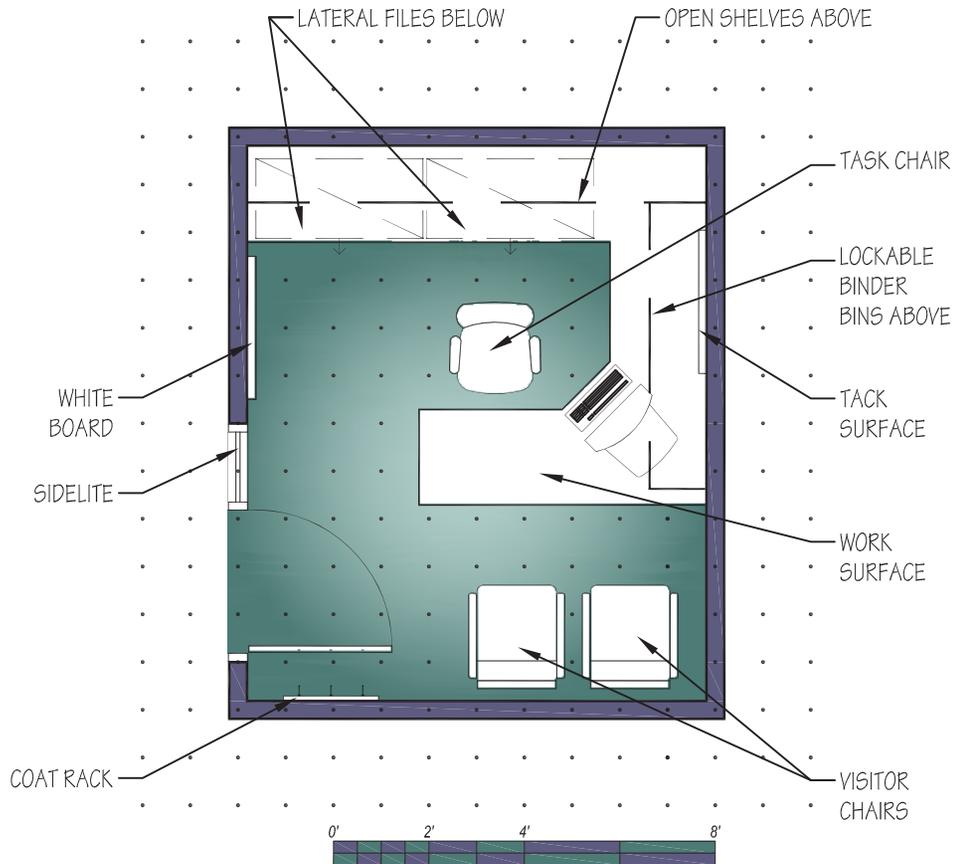
# INDIVIDUAL SPACE DIAGRAMS



*Second Floor Relationship Diagram*



*Pharmacy Tech Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 120 sf
- Subtotal Additional Area: 0 sf
- Total Area: 120 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: Second Floor
- Adjacency: Classroom & Dispensing Lab
- Proximity: Medical Assistant, Dental Assistant & Veterinarian Technician Programs
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical tile ceiling
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Coat Rack: 18x6x3/4 oak plate w/ 2 dbl-prong
- Whiteboard (alum. frame & tray): (1) 48"x48"

### Furnishings

- Work Surface: (1) 24"x60" & (1) 24"x78"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface w/ round end: (1) 24"x36"
- Shelf Unit, 2-shelves high: (2) 14"x48"
- Binder Bin w/ lockable door: (2) 15"x36"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

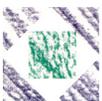
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

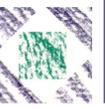
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

- Desktop computer, monitor & combo laser printer / copier / scanner.

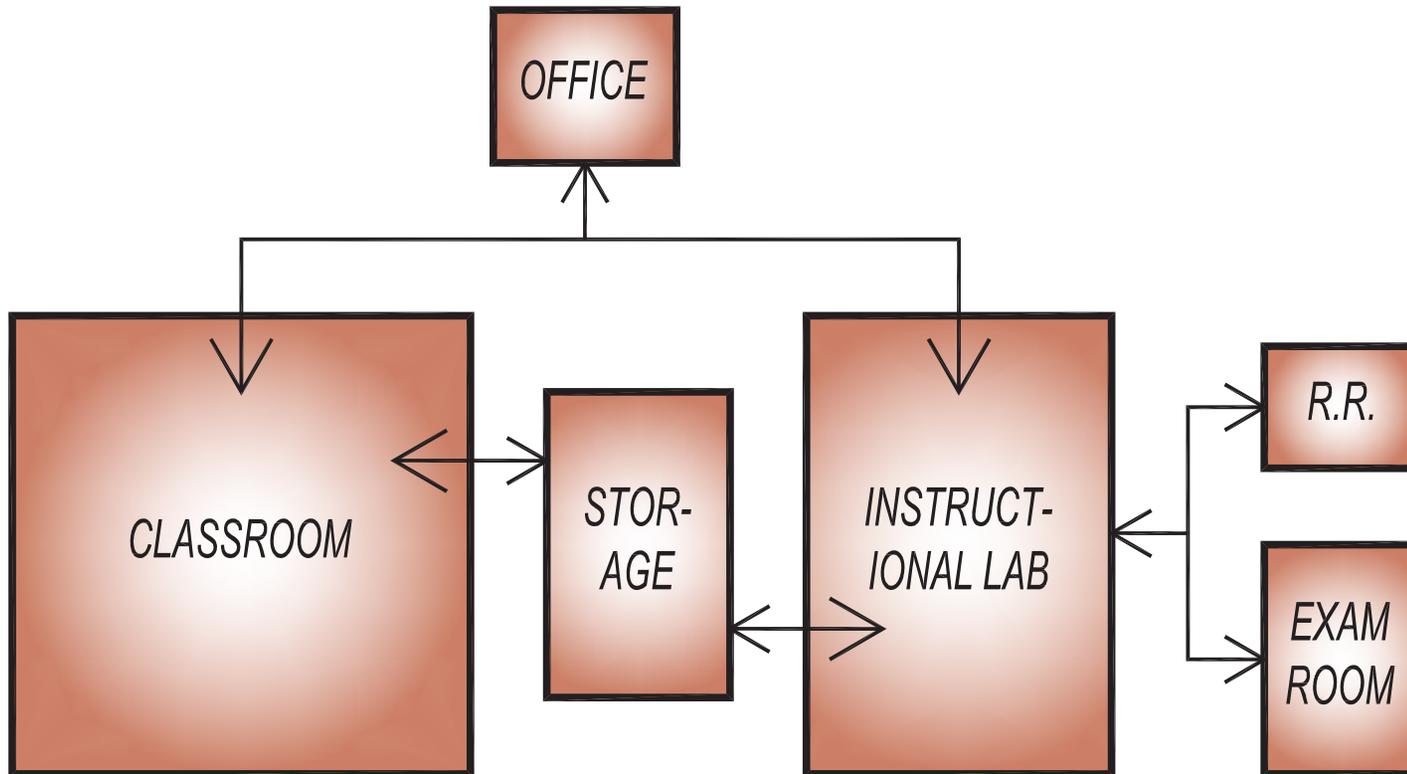




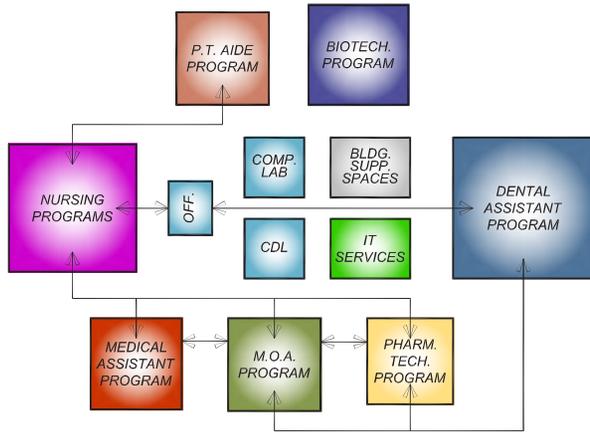
# INDIVIDUAL SPACE REQUIREMENTS



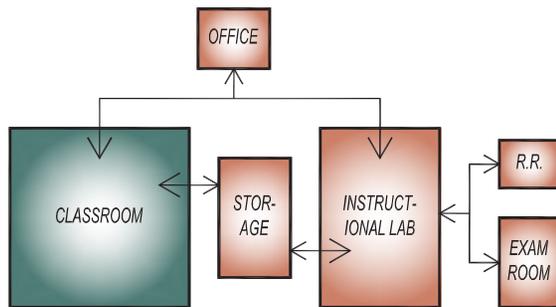
## PHYSICAL THERAPY AIDE PROGRAM RELATIONSHIP DIAGRAM



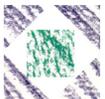
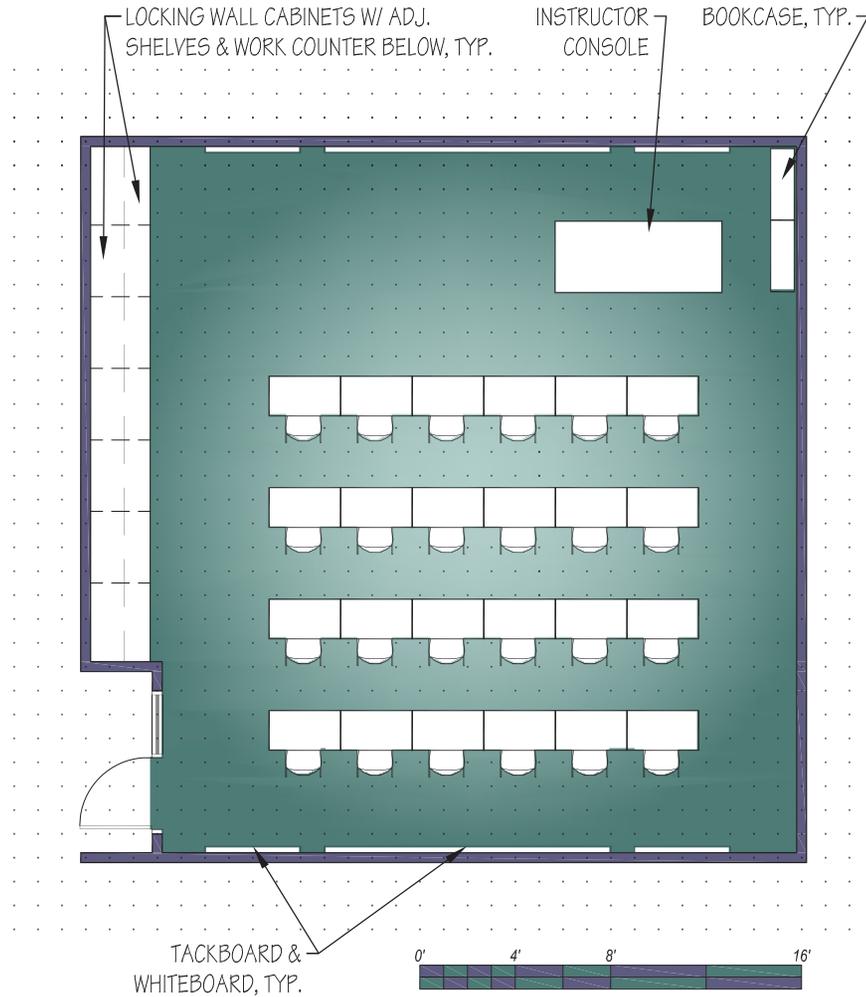
# INDIVIDUAL SPACE DIAGRAMS



*Second Floor Relationship Diagram*



*PT Aide Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Classroom
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	900 sf
• Subtotal Required Area:	900 sf
• Subtotal Additional Area:	0 sf
• Total Area:	900 sf

### Occupant Summary

• Student Stations:	25
• Area Per Station:	30 sf

### Function / Tasks

- Provide flexible teaching environment.

### Relationships

• Location:	Second Floor
• Adjacency:	Instructional Lab, Faculty Office & Storage
• Proximity:	Medical Assistant, Dental Assistant & Veterinarian Technician Programs
• Separation:	Mechanical & elevator rooms Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required, provide adequate light control for computer & multi-media use
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Instructor console w/ podium (1) 36"x84"
- Whiteboard w/ map rail & tray: (2) 168"x48"
- Tackboard w/ frame: (2) 48"x48"
- Solid surface work counter: (21 lf) 30"Dx27"H
- Hdwd. veneer wall cabinet: (21 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Hdwd. veneer bookcase: (2) 36"Wx12"Dx84"H w/ (5) adjustable shelves & (1) fixed shelf
- Projector mount / ports & cable connection: (1)
- Projection screen: (1) 96"W
- Clock: (1)

### Furnishings

- Student table: (25) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (26)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

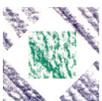
- Power: Two (2) duplex receptacles per wall & at instructor station  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls & at instructor station  
One (1) wireless airport  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls & at instructor station
- Video: A/V system w/ internet connection
- Intercom: Ceiling speaker

### Lighting

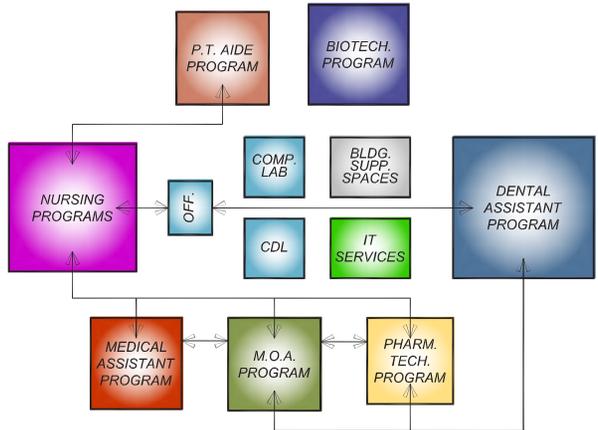
- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

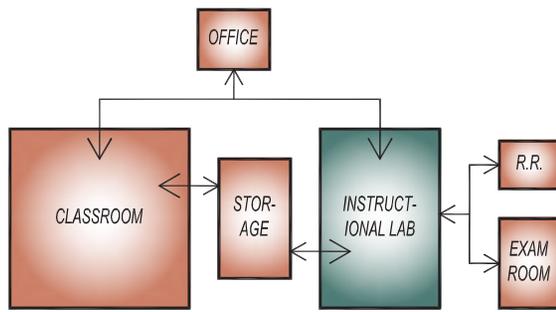
- Elmo desktop presentation unit: (1)
- Desktop computer, monitor, printer/scanner: (1)
- Capacity for 25 laptop computers; video monitors; overhead, opaque, slide & film projectors; & audio devices.



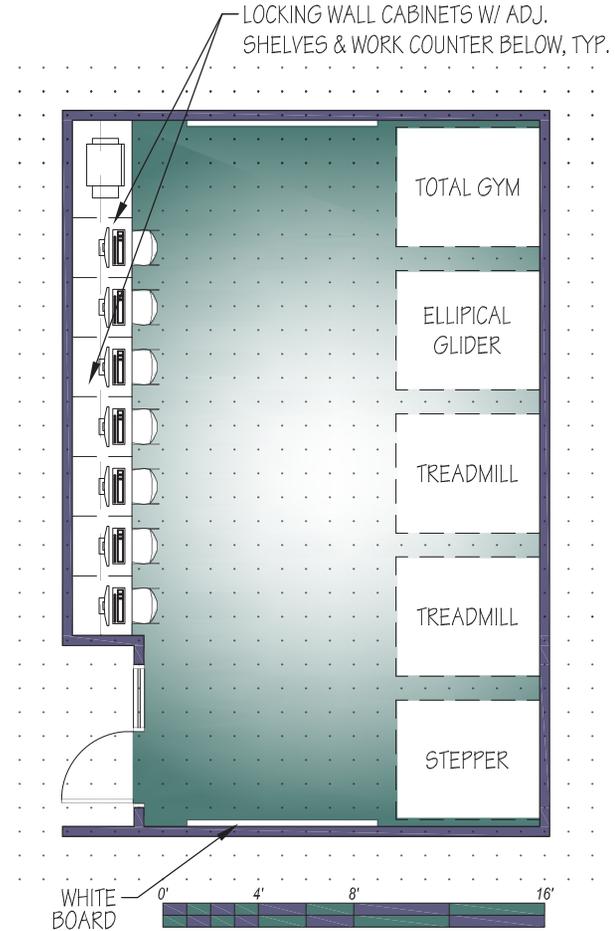
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



PT Aide Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 670 sf
- Subtotal Required Area: 670 sf
- Subtotal Additional Area: 0 sf
- Total Area: 670 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty & Students

### Function / Tasks

- Provide specialized instructional environment.

### Relationships

- Location: Second Floor
- Adjacency: Classroom, Instructional Labs, Faculty Office & Storage
- Proximity: Medical Assistant, Pharmacy Technician Program
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Whiteboard w/ map rail & tray: (1) 144"x48"
- Solid surface work counter: (21 lf) 30"Dx27"H
- Clock: (1)

### Furnishings

- Task chair, armless, swivel, adjustable: (6)
- Waste can: (1) 14" dia.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 100% Exhaust
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤45 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

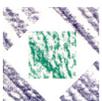
- Power: Two (2) duplex receptacles per wall  
Additional capacity for equipment listed
- Data: Two (2) devices on opposing walls  
Additional capacity for equipment listed
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

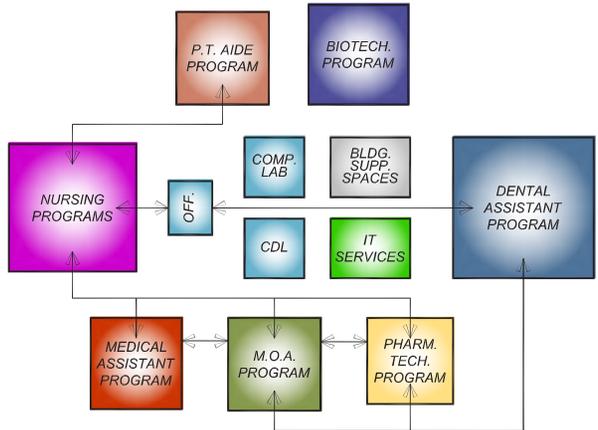
- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

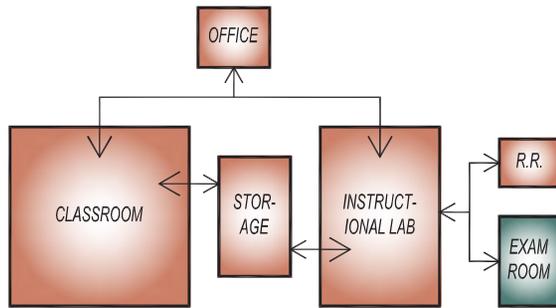
- Desktop computers & monitors (6), printer, treadmill (1), stepper (1), elliptical glider (1), total gym (1)



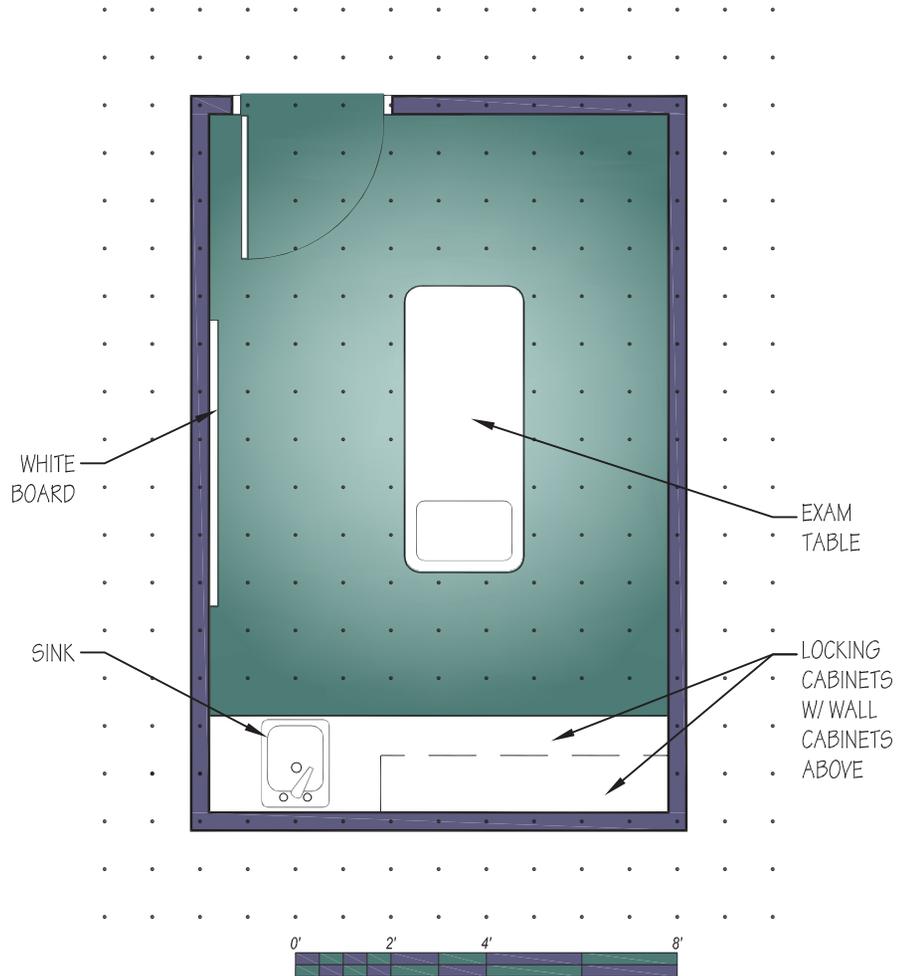
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



PT Aide Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 150 sf
- Subtotal Required Area: 150 sf
- Subtotal Additional Area: 0 sf
- Total Area: 150 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Students & Faculty

### Function / Tasks

- Provide specialized instructional environment.

### Relationships

- Location: Second Floor
- Adjacency: Classroom, Instructional Labs, Faculty Office & Changing Room
- Proximity: Medical Assistant, Dental Assistant & Veterinarian Technician Programs
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panel
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: None required

### Windows

- Natural Light: Not required
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Whiteboard w/ map rail & tray: (1) 72"x48"
- Hdwd. veneer base cabinet: (10 lf) 24"Dx36"H w/ solid surface countertop, lockable doors & drawers, adjustable shelf
- Hdwd. veneer wall cabinet: (6 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
- Wall-mounted sharps container: (1)
- Clock: (1)

### Furnishings

- Standard exam table: (1) 30"x72"
- Waste can: (1) 14" diameter
- Biohazard waste receptacle: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)

- Special Systems: None required
- Plumbing: Hand wash sink  
Water, waste & vent

### Electrical

- Power: One (1) duplex receptacle per wall  
Additional capacity for equipment listed
- Data: Two (2) devices
- Phone: One (1) device

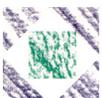
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

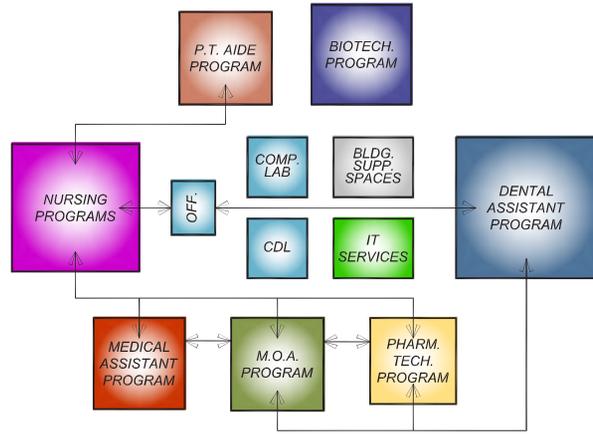
- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: None required
- Foot Candles: 50
- Controls: Occupancy sensor

### Equipment (NIC)

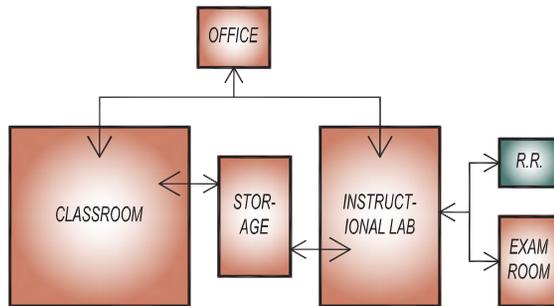
- Electrical stimulation machine, parafin bath, ultrasound



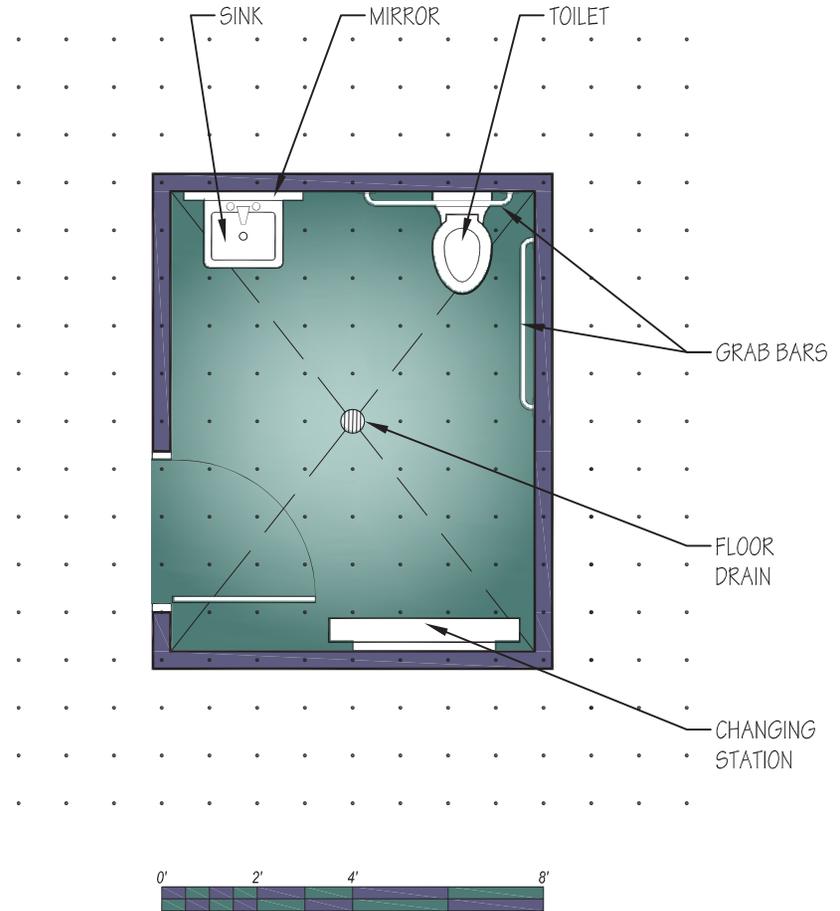
# INDIVIDUAL SPACE DIAGRAMS



*Second Floor Relationship Diagram*

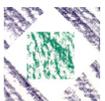


*PT Aide Relationship Diagram*



## PATIENT RESTROOM SIMULATION LAB

*Physical Therapy Aide Program*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Instructional Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 80 sf
- Subtotal Required Area: 80 sf
- Subtotal Additional Area: 0 sf
- Total Area: 80 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Students & Faculty

### Function / Tasks

- Provide specialized instructional environment.

### Relationships

- Location: Second Floor
- Adjacency: Classroom, Instructional Labs, Faculty Office & Changing Room
- Proximity: Medical Assistant, Dental Assistant & Veterinarian Technician Programs
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Ceramic tile w/ 4" ceramic tile base
- Walls: Ceramic tile
- Ceiling: Suspended gypsum board w/ acoustical tile
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- Water closet: (1)
- Lavatory w/ built-in base cabinet: (1) 3 lf
- Mirror w/ stainless steel shelf: (1) 30"x48"
- Grab bars, stainless steel: As required
- Dispensers for paper towels, soap, toilet paper, sanitary napkins: As required
- Changing station: (1)
- Waste receptacles, stainless steel: (1)

### Furnishings

- None required.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 75 CFM/WC or Urinal
- Air Circulation: 100% Exhaust
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria:  $\leq 40$  (NC/RC)
- Special Systems: 5 Minute air changes (min.)
- Plumbing: Floor drain, water, waste & vent

### Electrical

- Power: One (1) GFCI duplex receptacle
- Data: None required
- Phone: None required
- Video: None required
- Intercom: Ceiling speaker

### Lighting

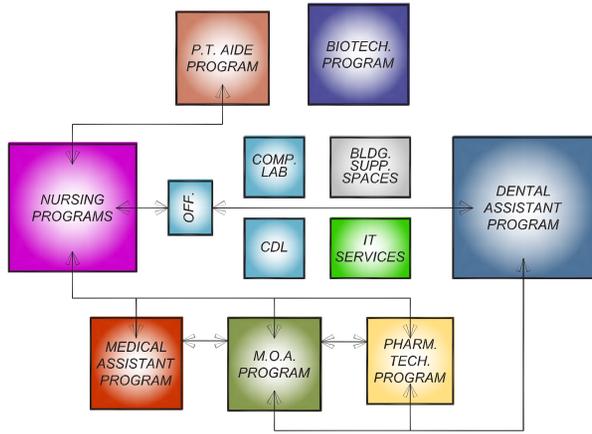
- Fixture Type: T-8 Fluorescent
- Task Light: None required
- Foot Candles: 30
- Controls: Occupancy sensor

### Equipment (NIC)

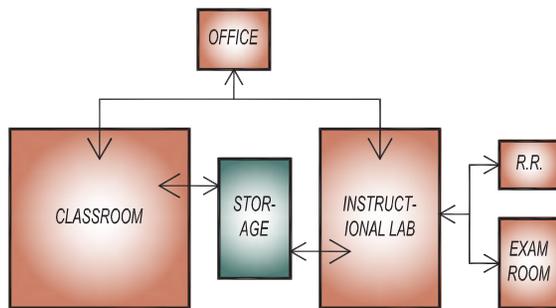
- None required.



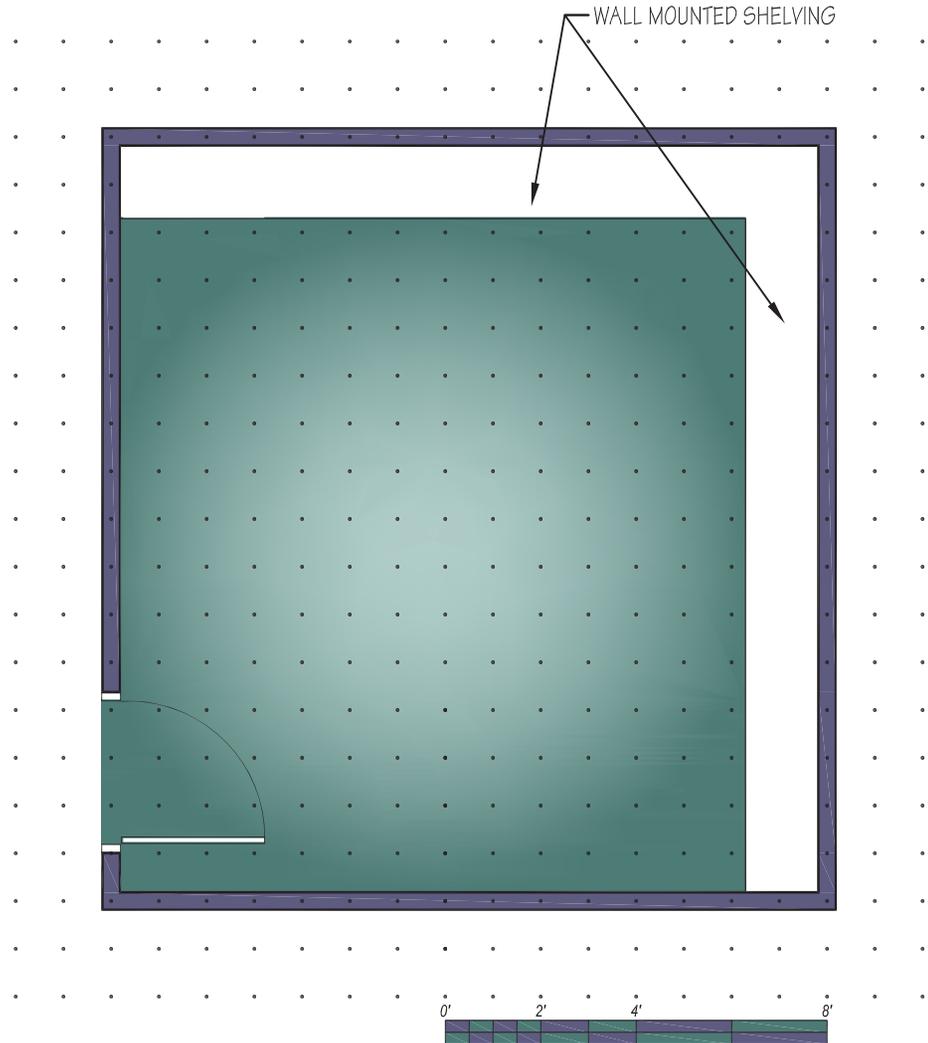
# INDIVIDUAL SPACE DIAGRAMS



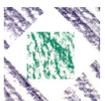
Second Floor Relationship Diagram



PT Aide Relationship Diagram



## CLASSROOM / LAB STORAGE Physical Therapy Aide Program



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Secure Storage
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	240 sf
• Subtotal Required Area:	240 sf
• Subtotal Additional Area:	0 sf
• Total Area:	240 sf

### Occupant Summary

• Assigned Occupants:	0
• Users:	Faculty / Staff

### Function / Tasks

- Provide secure storage for teaching aids, equipment & supplies.

### Relationships

• Location:	Second Floor
• Adjacency:	PT Aide Classroom & Instructional Labs
• Proximity:	None required
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	VCT w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

• Type:	Solid core wood w/ clear finish
• Frame:	Painted hollow metal
• Special:	Electronic access lock

### Windows

• Natural Light:	Not required
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### Casework / Fixed Equipment

• Wall-mounted shelving:	(30 lf) 24"Dx84"H
	P.Lam. w/ (8) adjustable shelves

### Furnishings

• None required.
------------------

## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	0.15 CFM/SF (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	74°F
• Winter Design Temp.:	74°F

• Controls:	Individual direct digital controls
• Sound Criteria:	None required

• Special Systems:	None required
• Plumbing:	None required

### Electrical

• Power:	One (1) duplex receptacle each wall
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• Data:	Rough-in for future capacity
• Phone:	Rough-in for future capacity

• Video:	Rough-in for future capacity
• Intercom:	Rough-in for future capacity

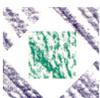
### Lighting

• Fixture Type:	T-8 Fluorescent lay-in
• Task Light:	None required

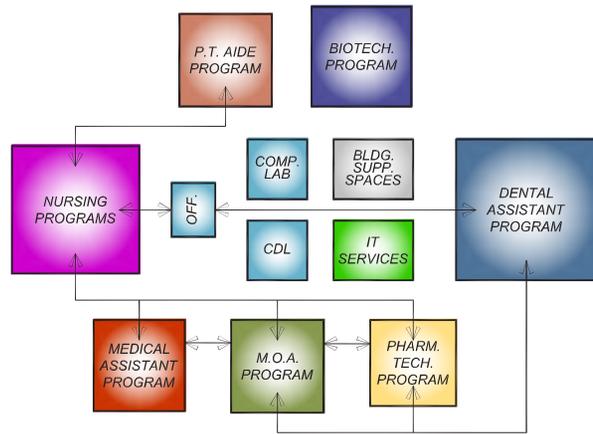
• Foot Candles:	30
• Controls:	Occupancy sensor

### Equipment (NIC)

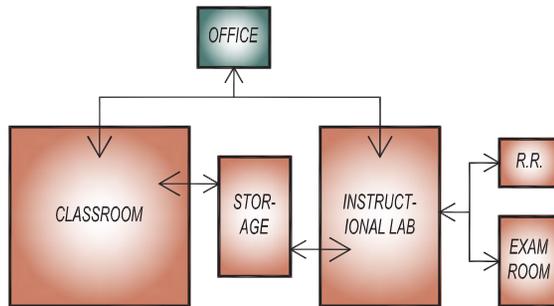
• None required.
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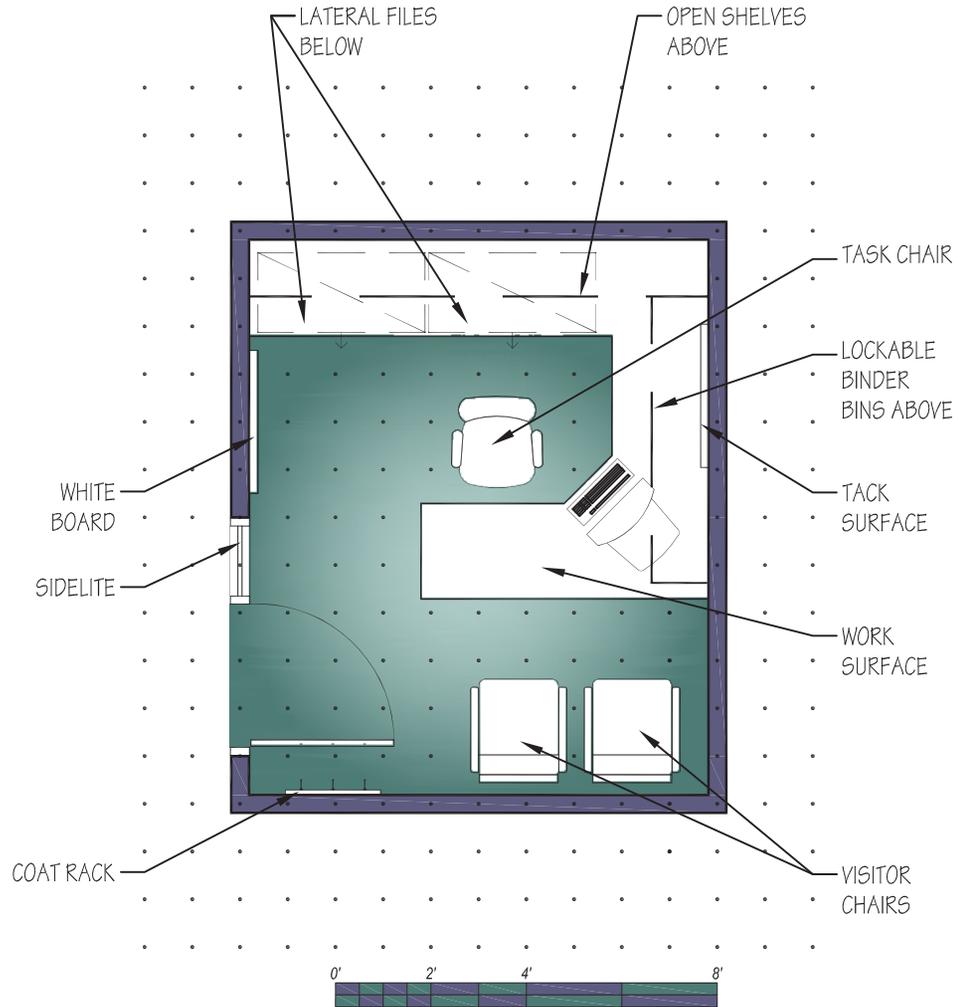
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



PT Aide Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 120 sf
- Subtotal Required Area: 120 sf
- Subtotal Additional Area: 0 sf
- Total Area: 120 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: Second Floor
- Adjacency: Classroom & Instructional Labs
- Proximity: Medical Assistant, Dental Assistant & Veterinarian Technician Programs
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical tile ceiling
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Coat Rack: 18x6x3/4 oak plate w/ 2 dbl-prong
- Whiteboard (alum. frame & tray): (1) 48"x48"

### Furnishings

- Work Surface: (1) 24"x60" & (1) 24"x78"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface w/ round end: (1) 24"x36"
- Shelf Unit, 2-shelves high: (2) 14"x48"
- Binder Bin w/ lockable door: (2) 15"x36"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

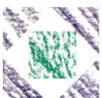
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

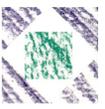
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

- Desktop computer, monitor & combo laser printer / copier / scanner.

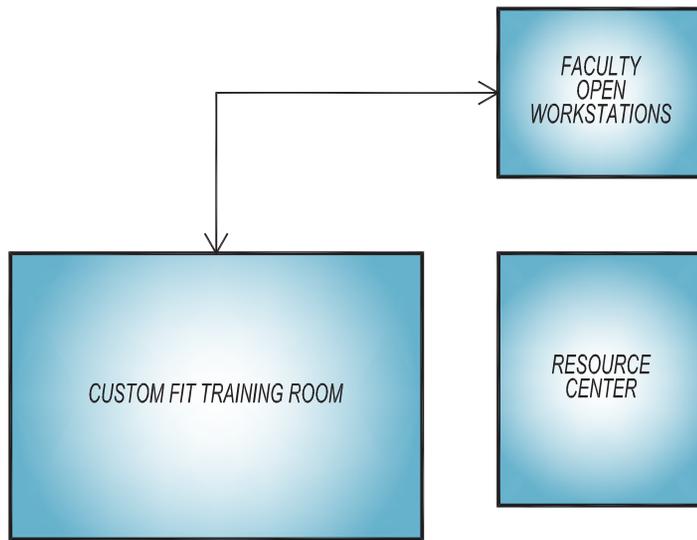




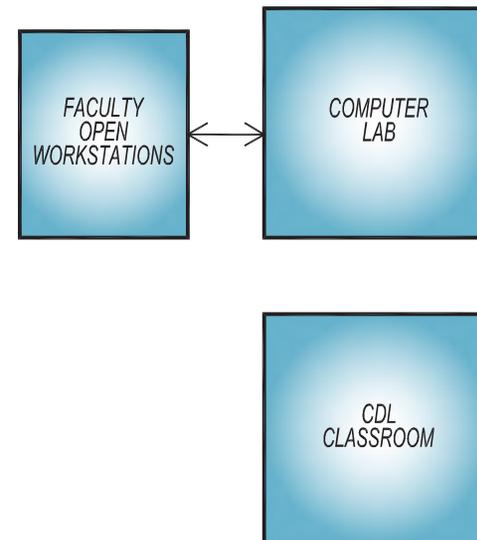
# INDIVIDUAL SPACE REQUIREMENTS



## STUDENT RESOURCES RELATIONSHIP DIAGRAM



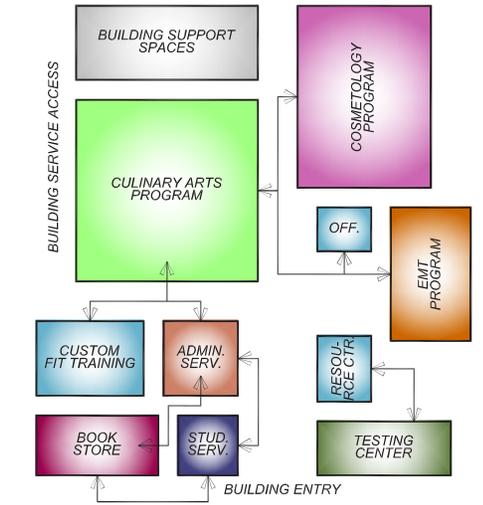
FIRST FLOOR RELATIONSHIP DIAGRAM



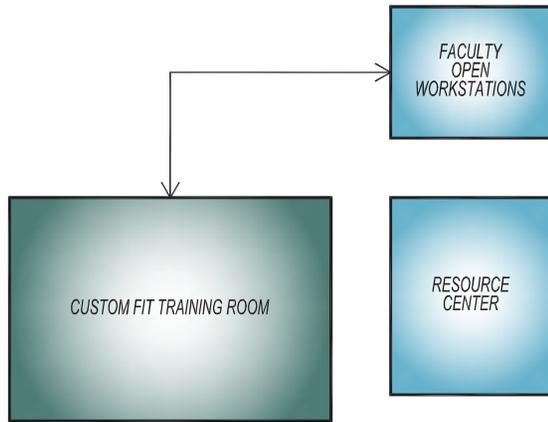
SECOND FLOOR RELATIONSHIP DIAGRAM



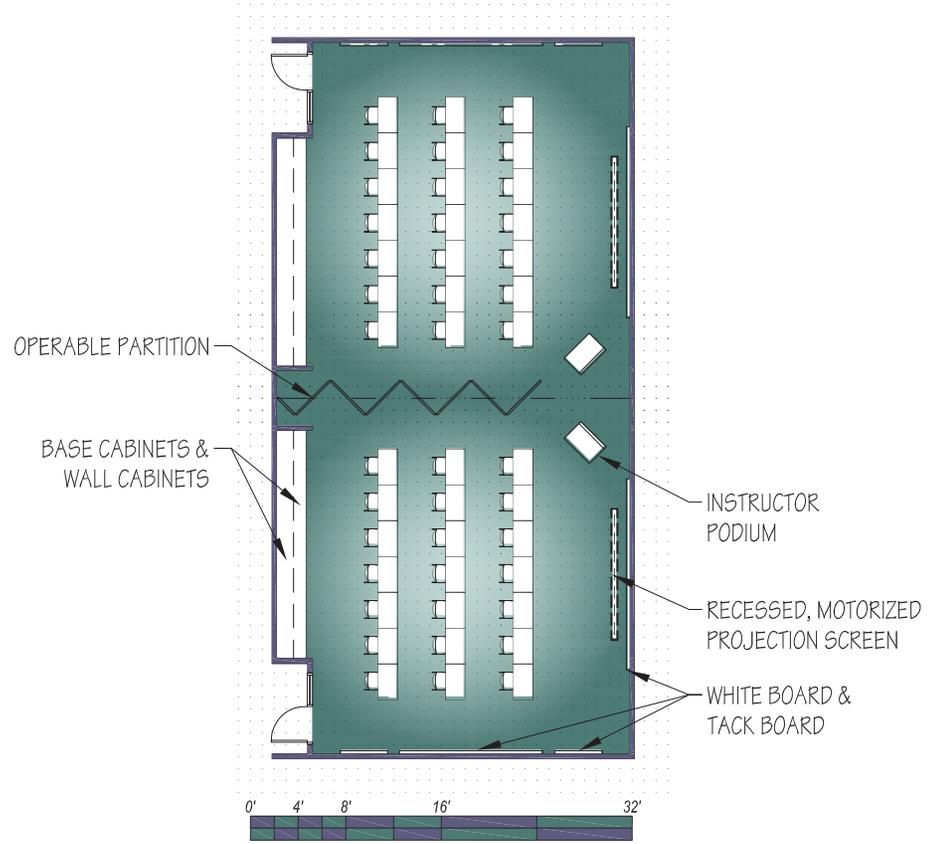
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*

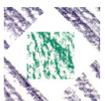


*Student Resources Relationship Diagram*



## CUSTOM FIT TRAINING ROOM

*Student Resources*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Classroom
- Number Required: 1
- Number Additional: 0

- Total Number: 1

### Net Area Summary

- Area (each): 1,800 sf
- Subtotal Required Area: 1,800 sf
- Subtotal Additional Area: 0 sf
- Total Area: 1,800 sf

### Occupant Summary

- Student Stations: 50
- Area Per Station: 30 sf

### Function / Tasks

- Provide flexible teaching and training environment for private industry.

### Relationships

- Location: First Floor
- Adjacency: Culinary Arts Kitchen, & Dining Room, Main building entry
- Proximity: Administrative Services
- Separation: Mechanical & elevator rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation
- Operable partition: NC/RA 50

### Windows

- Natural Light: Required, provide adequate light control for computer & multi-media use
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Instructor console w/ podium (2) 36"x84"
- Whiteboard w/ map rail & tray: (4) 144"x48"
- Tackboard w/ frame: (4) 48"x48"
- Hdwd. veneer base cabinet: (42 lf) 24"Dx27"H w/ solid surface countertop, lockable doors & drawers, adjustable shelf
- Projector mount / ports & cable connection: (1)
- Projection screen: (1) 96"W
- Clock: (1)

### Furnishings

- Student table: (50) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (52)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: None required
- Plumbing: Hand wash sink  
Water, waste & vent

### Electrical

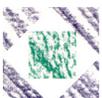
- Power: Two (2) duplex receptacles per wall (every 10'-0" min.) & at instructor station, Additional capacity for equipment listed
- Data: Two (2) devices per wall & at instructor station  
One (1) wireless airport, Additional capacity for equipment listed
- Phone: Two (2) devices per wall & at instructor station
- Video: A/V system w/ internet connection
- Intercom: Ceiling speaker

### Lighting

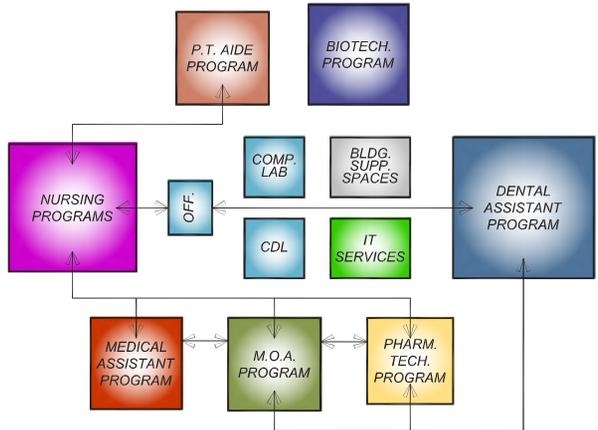
- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

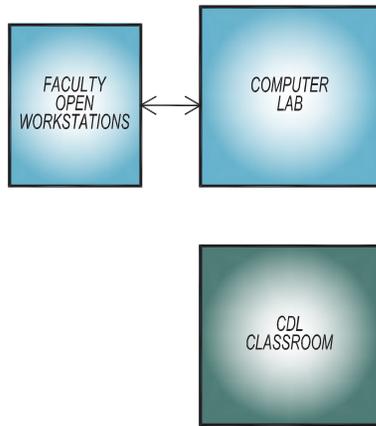
- Elmo desktop presentation unit: (2)
- Under counter refrigerator: (2)
- Capacity for 52 laptop computers; video monitors; overhead, opaque, slide & film projectors; & audio devices.



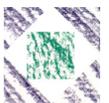
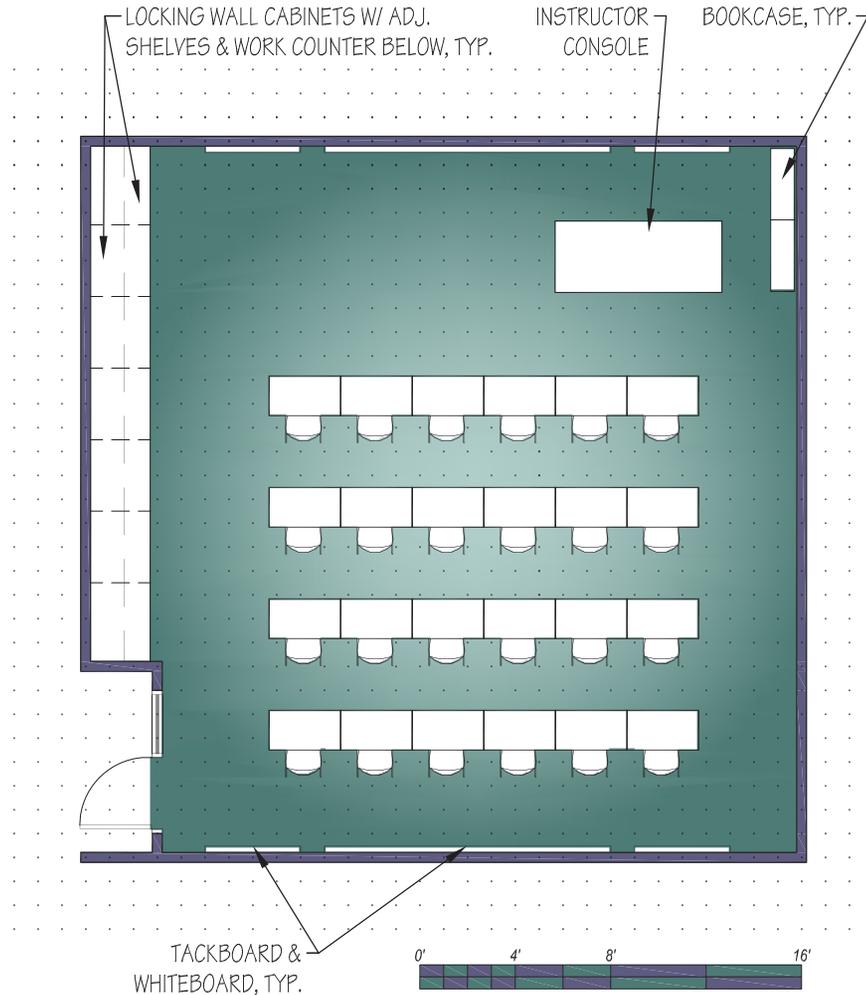
# INDIVIDUAL SPACE DIAGRAMS



Second Floor Relationship Diagram



Student Resources Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Classroom
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	900 sf
• Subtotal Required Area:	900 sf
• Subtotal Additional Area:	0 sf
• Total Area:	900 sf

### Occupant Summary

• Student Stations:	25
• Area Per Station:	30 sf

### Function / Tasks

- Provide flexible teaching environment.

### Relationships

• Location:	Second Floor
• Adjacency:	Computer Lab
• Proximity:	None required
• Separation:	Mechanical & elevator rooms Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Static-free carpet w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x2 acoustical panels
• Sound:	Full sound construction

### Ceiling Height

• Above Finish Floor (min.):	10'-0"
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### Doors

• Type:	Solid-core wood w/ clear finish
• Frame:	Painted hollow metal w/ glazed sidelite
• Special:	Sound isolation

### Windows

• Natural Light:	Required, provide adequate light control for computer & multi-media use
• Type:	Aluminum frame
• Glazing:	Insulated w/ low-e coating

### Casework / Fixed Equipment

• Instructor console w/ podium	(1) 36"x84"
• Whiteboard w/ map rail & tray:	(2) 144"x48"
• Tackboard w/ frame:	(4) 48"x48"
• Solid surface work counter:	(21 lf) 30"Dx27"H
• Hdwd. veneer wall cabinet:	(21 lf) 15"Dx24"H w/ lockable doors & (2) adjustable shelves
• Hdwd. veneer bookcase:	(2) 36"Wx12"Dx84"H w/ (5) adjustable shelves & (1) fixed shelf
• Projector mount / ports & cable connection:	(1)
• Projection screen:	(1) 96"W
• Clock:	(1)

### Furnishings

• Student table:	(25) 36"Wx24"Dx27"H
• Task chair, armless, swivel, adjustable:	(26)

## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	15 CFM/person (min.)
• Air Circulation:	15 CFM/person (min.)
• Summer Design Temp.:	72°F
• Winter Design Temp.:	72°F
• Controls:	Individual direct digital controls
• Sound Criteria:	≤30 (NC/RC)
• Special Systems:	None required
• Plumbing:	None required

### Electrical

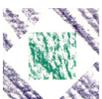
• Power:	Two (2) duplex receptacles per wall & at instructor station Additional capacity for equipment listed
• Data:	Two (2) devices on opposing walls & at instructor station One (1) wireless airport Additional capacity for equipment listed
• Phone:	Two (2) devices on opposing walls & at instructor station
• Video:	A/V system w/ internet connection
• Intercom:	Ceiling speaker

### Lighting

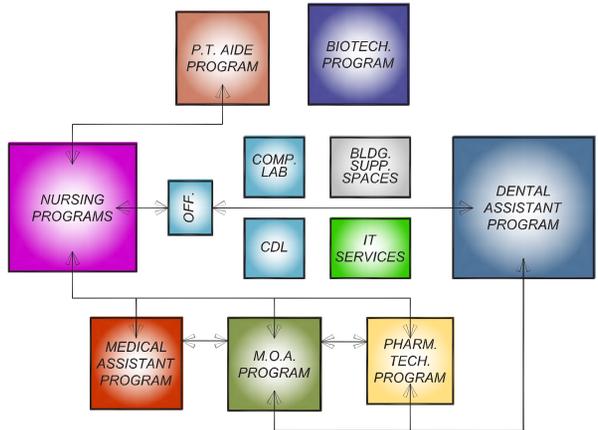
• Fixture Type:	T-5 HO linear indirect pendant
• Task Light:	None required
• Foot Candles:	40-45
• Controls:	Occupancy sensor

### Equipment (NIC)

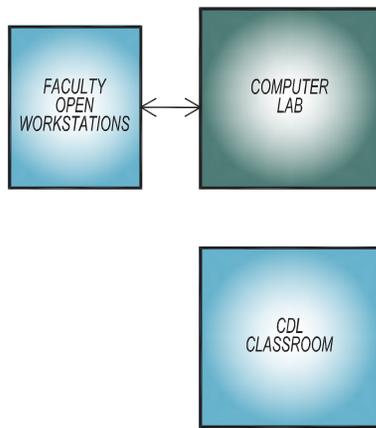
• Elmo desktop presentation unit:	(1)
• Desktop computer, monitor, printer/scanner:	(1)
• Capacity for 25 laptop computers; video monitors; overhead, opaque, slide & film projectors; & audio devices.	



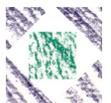
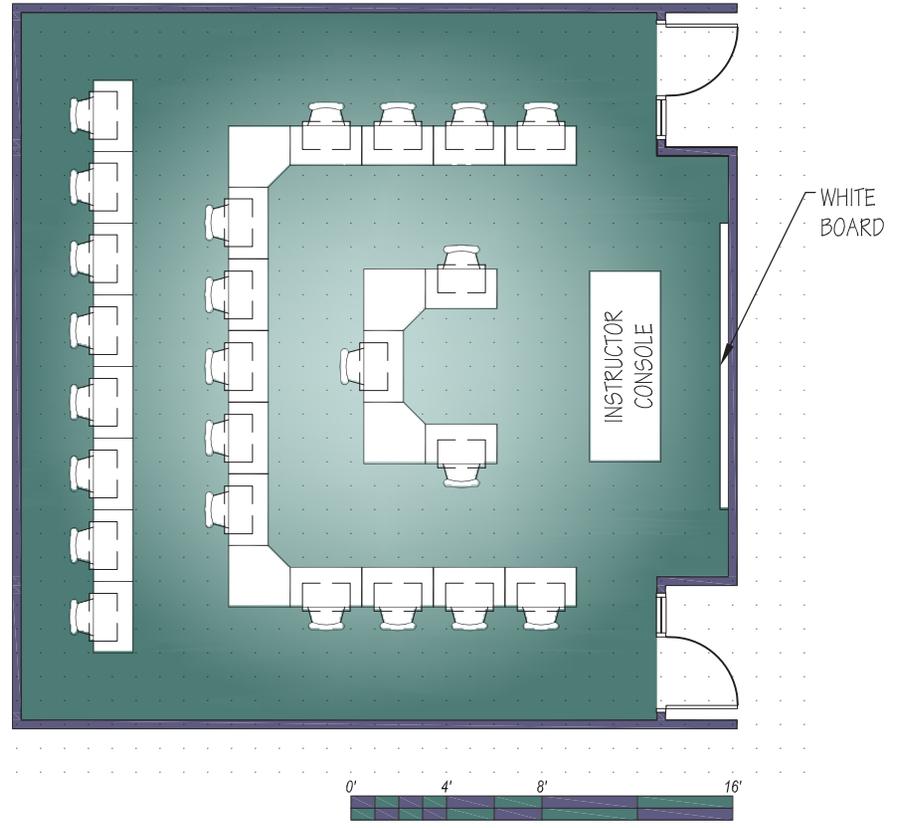
# INDIVIDUAL SPACE DIAGRAMS



*Second Floor Relationship Diagram*



*Student Resources Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Computer Lab
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 900 sf
- Subtotal Required Area: 900 sf
- Subtotal Additional Area: 0 sf
- Total Area: 900 sf

### Occupant Summary

- Student Stations: 18
- Area Per Station: 50 sf

### Function / Tasks

- Provide access to computers and printers for students.

### Relationships

- Location: Second Floor
- Adjacency: Main building circulation
- Proximity: None required
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: None required

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Instructor console w/ podium (1) 36"x84"
- Whiteboard w/ map rail & tray: (1) 144"x48"
- Tackboard w/ frame: (2) 48"x48"
- Projector mount / ports & cable connection: (1)
- Projection screen (manual): (1) 96"W
- Clock: (1)

### Furnishings

- Computer table: (24) 36"Wx30"Dx27"H
- Task chair, armless, swivel, adjustable: (25)
- Waste can: (2) 14" dia.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: Dedicated computer A/C units
- Plumbing: None required

### Electrical

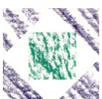
- Power: Two (2) duplex receptacles per wall and at instructor station, One (1) duplex receptacle per computer station
- Data: Two (2) devices per wall and at instructor station, One (1) device per computer station, One (1) wireless airport
- Phone: Two (1) devices per wall and at instructor station
- Video: A/V system w/ internet connection
- Intercom: Ceiling speaker

### Lighting

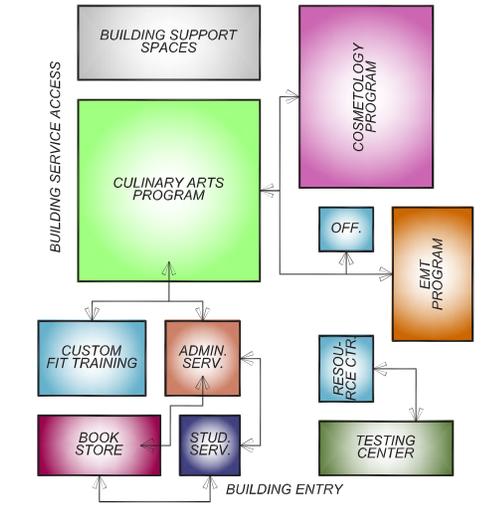
- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

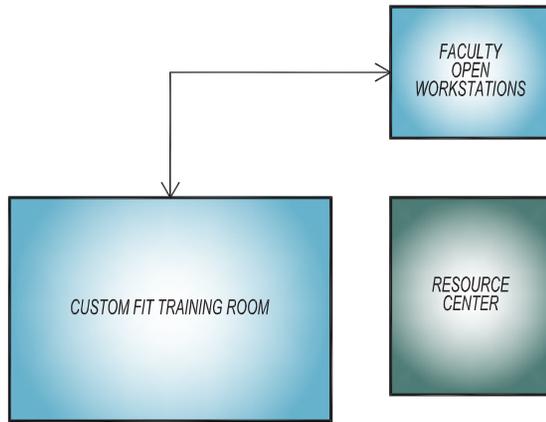
- Elmo desktop presentation unit: (1)
- Desktop computers and monitors: (25)
- Printers: (4)
- Scanners: (2)



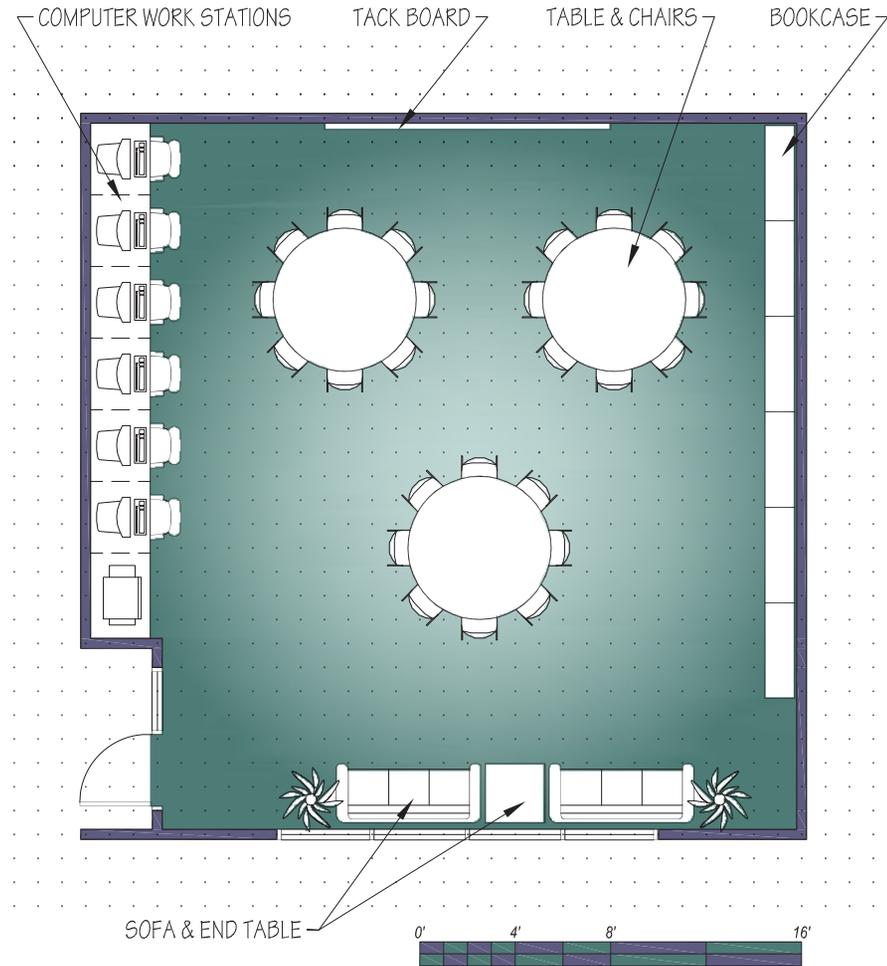
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Student Resources Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Media Library
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	900 sf
• Subtotal Required Area:	900 sf
• Subtotal Additional Area:	0 sf
• Total Area:	900 sf

### Occupant Summary

• Assigned Occupants:	0
• Users:	Students/ Faculty / Staff

### Function / Tasks

- Provide area for the storage and viewing of various kinds of media / video files.
- Provide students with access to the internet.

### Relationships

• Location:	First Floor
• Adjacency:	Testing Center
• Proximity:	Main building circulation, dining
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Static-free carpet w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x2 acoustical panels
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	10'-0"
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### Doors

• Type:	Solid-core wood w/ clear finish
• Frame:	Painted hollow metal w/ glazed sidelite
• Special:	None required

### Windows

• Natural Light:	Desirable
• Type:	Aluminum frame
• Glazing:	Insulated w/ low-e coating
• Interior:	Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

• Tackboard w/ frame:	(1) 144"x48"
• Hdwd. veneer bookcase:	(6) 42"Wx12"Dx84"H
• Projector mount / ports & cable connection:	(1)
• Projection screen (manual):	(1) 96"W
• Clock:	(1)

### Furnishings

• Computer table:	(6) 36"Wx30"Dx27"H
• Student table:	(3) 72"DIAx27"H
• Task chair, armless, swivel, adjustable:	(30)
• Sofa:	(2)
• End table:	(1)
• Waste can:	(1) 14" dia.
• Magazine racks & pamphlet holders:	as req'd.

## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	15 CFM/person (min.)
• Air Circulation:	15 CFM/person (min.)
• Summer Design Temp.:	72°F
• Winter Design Temp.:	72°F

• Controls:	Individual direct digital controls
• Sound Criteria:	≤30 (NC/RC)
• Special Systems:	None required
• Plumbing:	None required

### Electrical

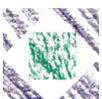
• Power:	Two (2) duplex receptacles per wall Additional capacity for equipment listed
• Data:	Two (2) devices on opposing walls One (1) wireless airport, Additional capacity for equipment listed
• Phone:	Two (2) devices on opposing walls
• Video:	A/V system w/ internet connection
• Intercom:	Ceiling speaker

### Lighting

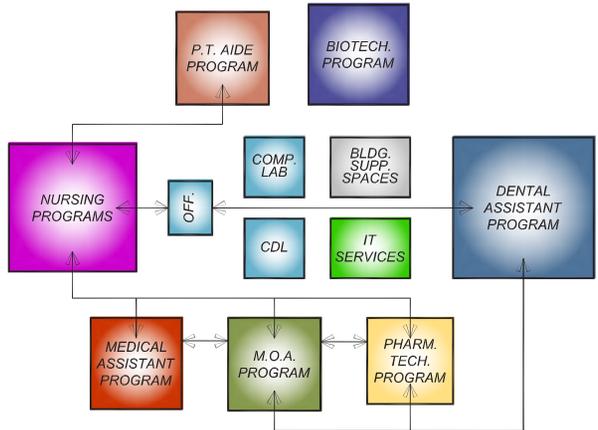
• Fixture Type:	T-5 HO linear indirect pendant
• Task Light:	None required
• Foot Candles:	40-45
• Controls:	Occupancy sensor

### Equipment (NIC)

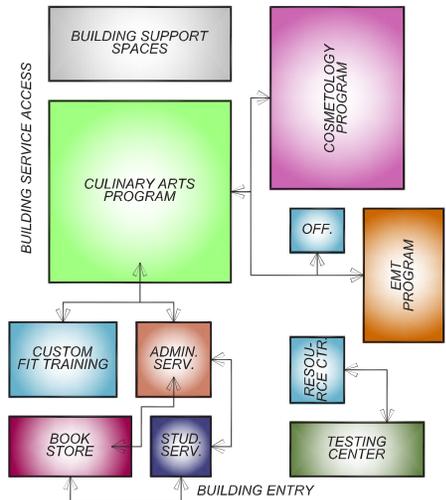
• Desktop computer, monitor:	(6)
• Printer / scanner:	(1)
• Capacity for 12 laptop computers; video monitors; overhead, opaque, slide & film projectors; & audio devices.	



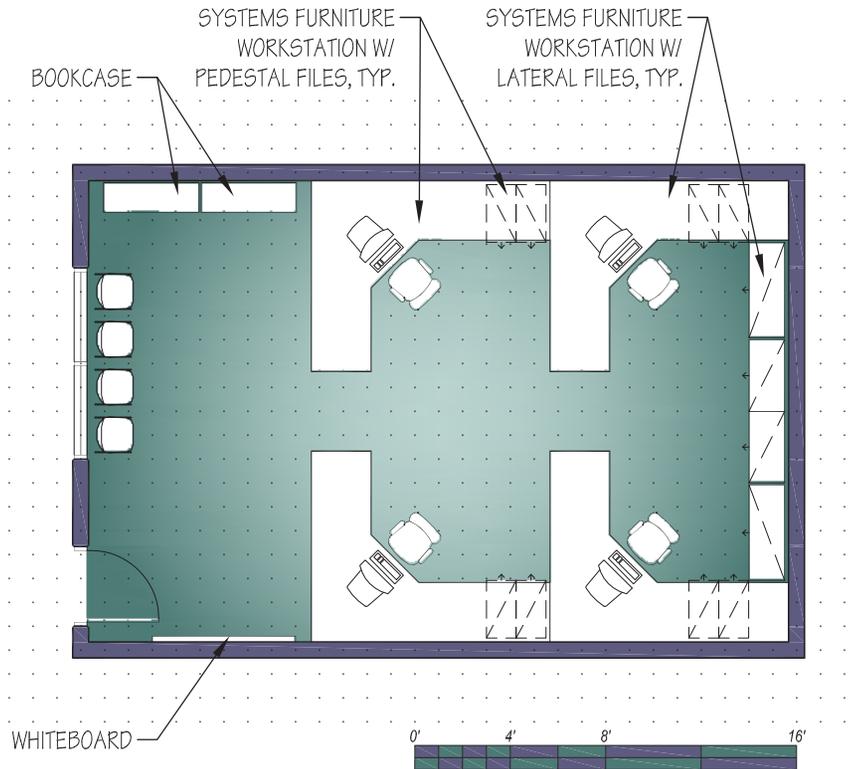
# INDIVIDUAL SPACE DIAGRAMS



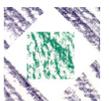
*Second Floor Relationship Diagram*



*First Floor Relationship Diagram*



## FACULTY OPEN OFFICE (4 WORKSTATIONS) Student Resources



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open Workstations
- Number Required: 2
- Number Additional (expansion): 0
- Total Number: 2

### Net Area Summary

- Area (each): 600 sf
- Subtotal Required Area: 1,200 sf
- Subtotal Additional Area: 0 sf
- Total Area: 1,200 sf

### Occupant Summary

- Assigned Occupants: 4
- Visitors: 2

### Function / Tasks

- Provide professional workspace for general office work and conferencing.

### Relationships

- Location: One each First & Second Floor
- Adjacency: Classrooms & Instructional Labs
- Proximity: None required
- Separation: Mechanical & Elevator Rooms  
Other noisy functions

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended. 2x4 grid w/ acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Painted hollow core metal
- Frame: Ptd. hollow metal w/ glazed sidelight
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Interior Windows: 96"Wx48"H ptd. HM frame

### Casework / Fixed Equipment

- Whiteboard, map rail, tray: (1 ea) 48"Wx48"H
- Tackboard w/ frame: (2 ea) 24"Wx48"H
- Hdwd. veneer bookcase: (2) 48"Wx12"Dx84"H w/ (5) adjustable shelves & (1) fixed shelf
- Clock: (1)

### Furnishings

- System furniture workstation: (4 ea) 64 sf
- Task chair: (4 ea) 18"Wx18"Hx16"D
- Side chair: (2 ea) 16"Wx18"Hx16"D
- Waste can: (4 ea) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall 120V distributed to systems furniture

- Data: Two (2) devices on opposing walls Distributed to systems furniture
- Phone: Two (2) devices on opposing walls Distributed to systems furniture

- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces

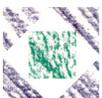
- Foot Candles: 40
- Controls: Occupancy sensor

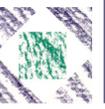
### Equipment (NIC)

- (4) Desktop computer, monitor & combo laser printer / copier / scanner.

## FACULTY OPEN OFFICE (4 WORKSTATIONS)

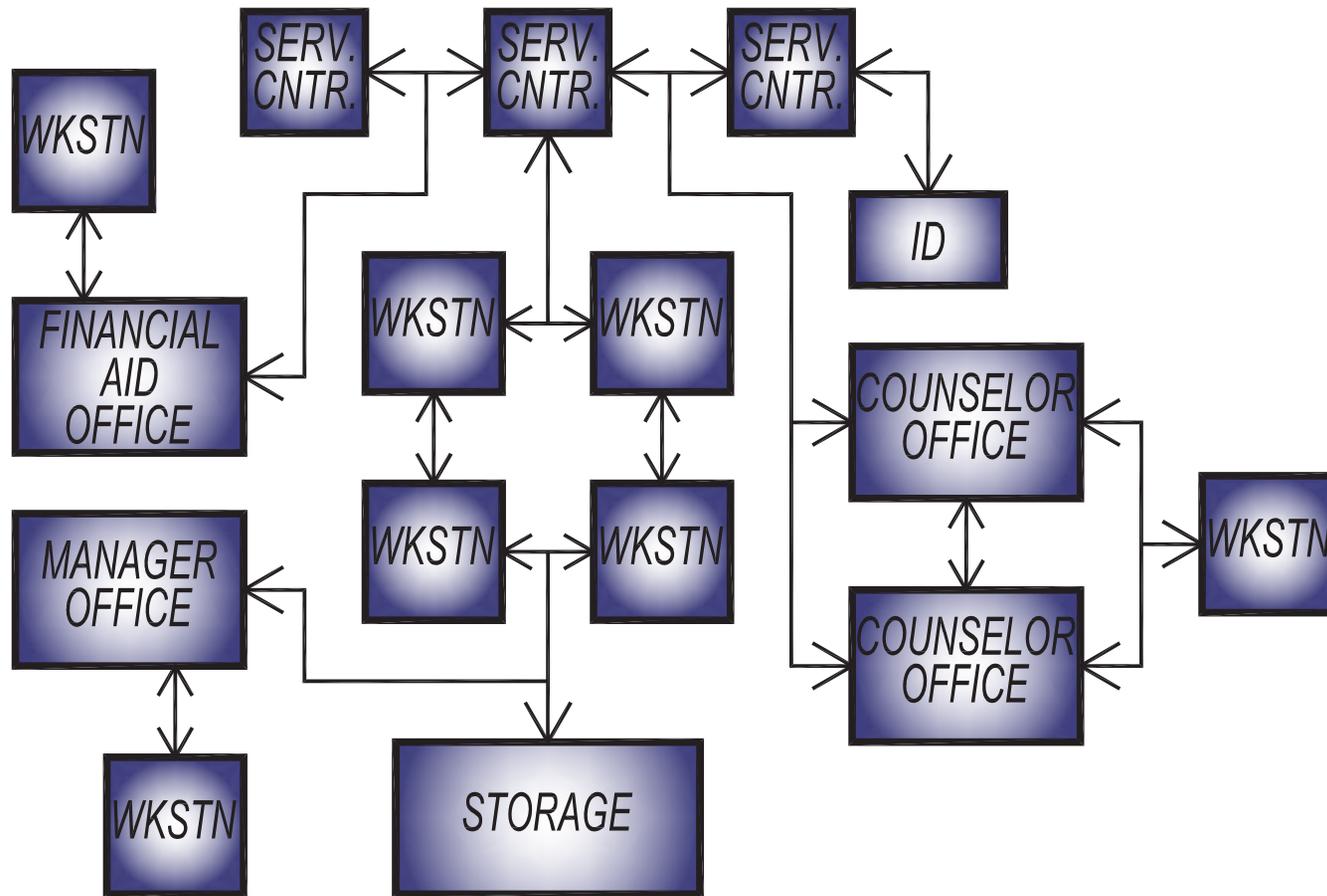
Student Resources



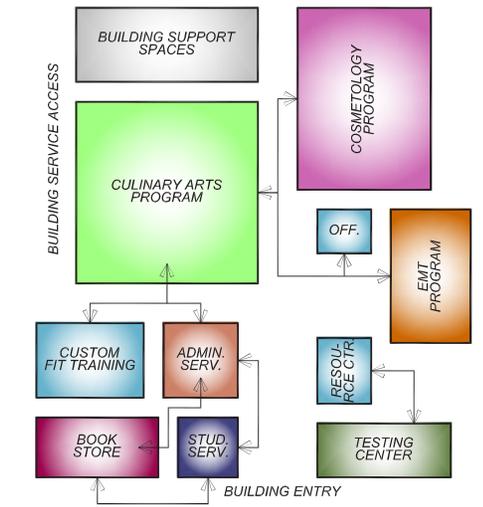


# INDIVIDUAL SPACE REQUIREMENTS

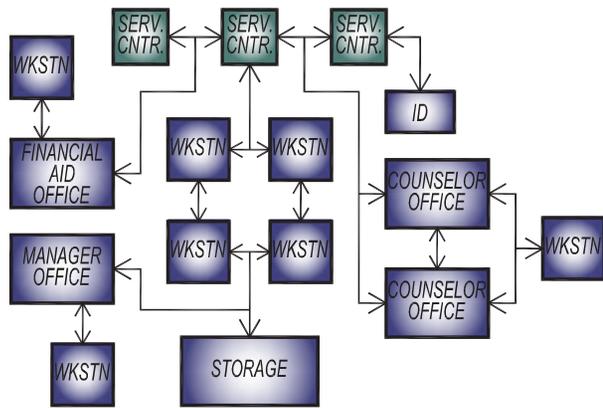
## STUDENT SERVICES RELATIONSHIP DIAGRAM



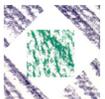
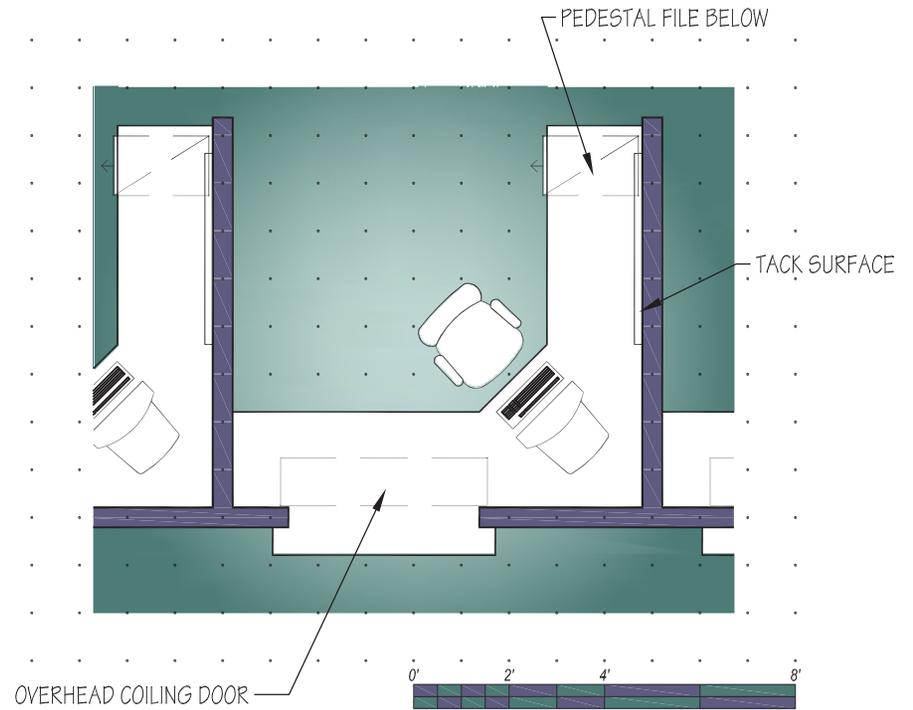
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Student Services Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open Service Counter
- Number Required: 2
- Number Additional: 1
- Total Number: 3

### Net Area Summary

- Area (each): 60 sf
- Subtotal Required Area: 120 sf
- Subtotal Additional Area: 60 sf
- Total Area: 180 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Assist students with transactions related to registration.

### Relationships

- Location: First Floor
- Adjacency: Main building entry & circulation, Testing Center
- Proximity: Administrative Services & Bookstore
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical tile ceiling
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: Stainless steel overhead coiling door at service counters

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Service counter workstations: (3) L-shaped approximately 80 sf

### Furnishings

- Task Chair w/ arms, adjustable: (3) 27"x28"
- Waste Can: (3) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria:  $\leq 35$  (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall 120V distributed to systems furniture

- Data: Two (2) devices on opposing walls Distributed to systems furniture
- Phone: Two (2) devices on opposing walls Distributed to systems furniture

- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

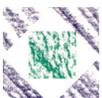
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces

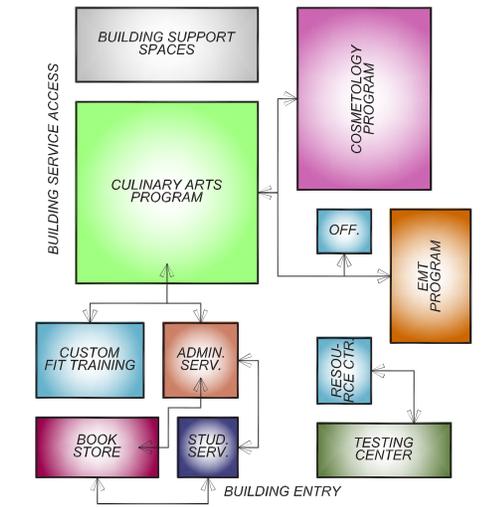
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

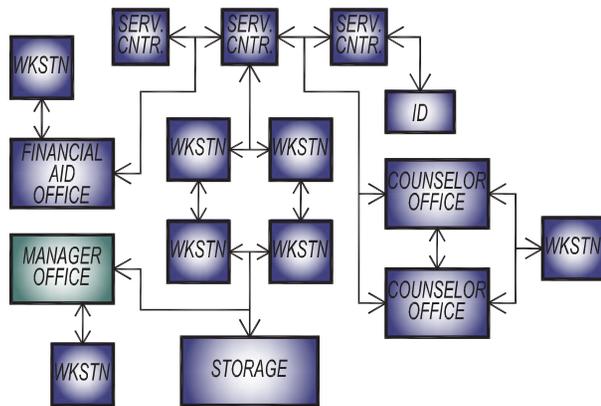
- (3) Desktop computer, monitor & combo laser printer / copier / scanner.



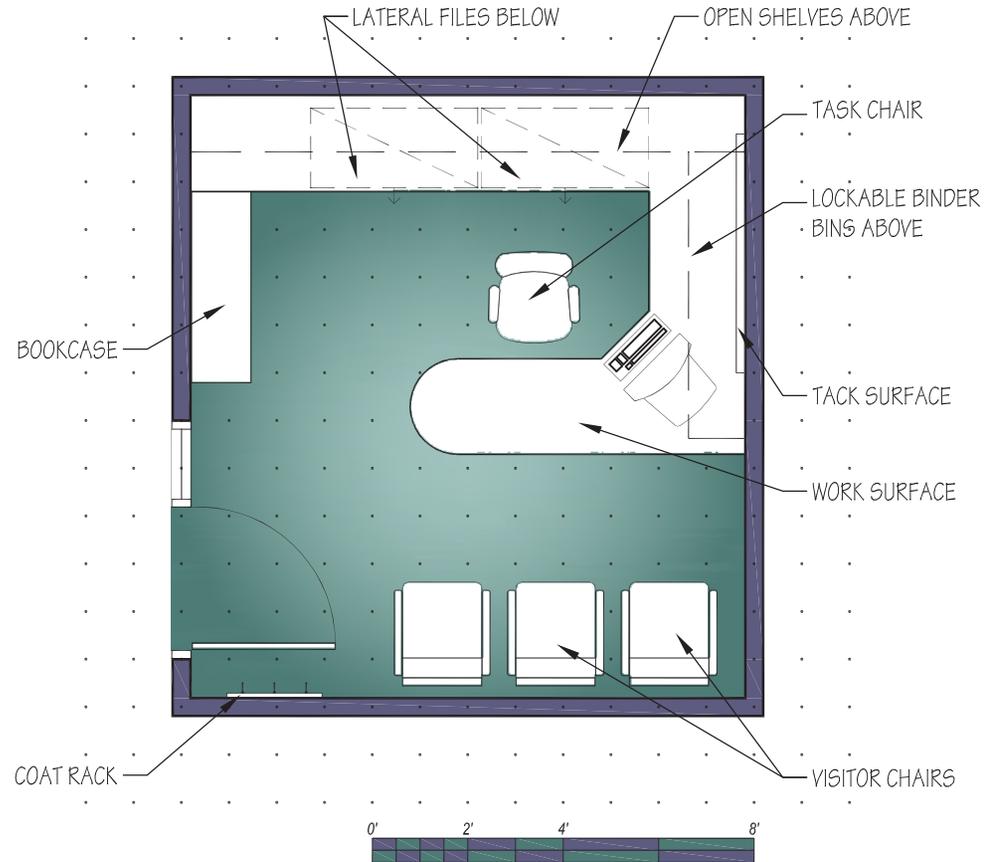
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Student Services Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 150 sf
- Subtotal Required Area: 150 sf
- Subtotal Additional Area: 0 sf
- Total Area: 150 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location:
- Adjacency:
- Proximity:
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

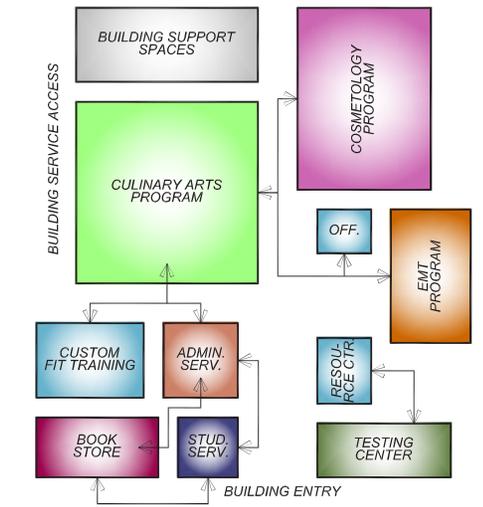
- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

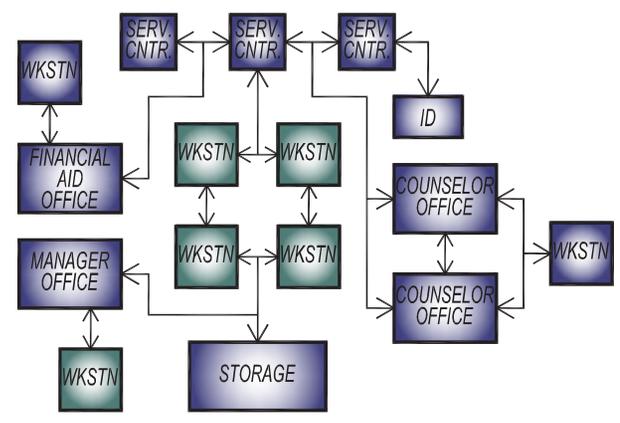
- Desktop computer, monitor & combo laser printer / copier / scanner.



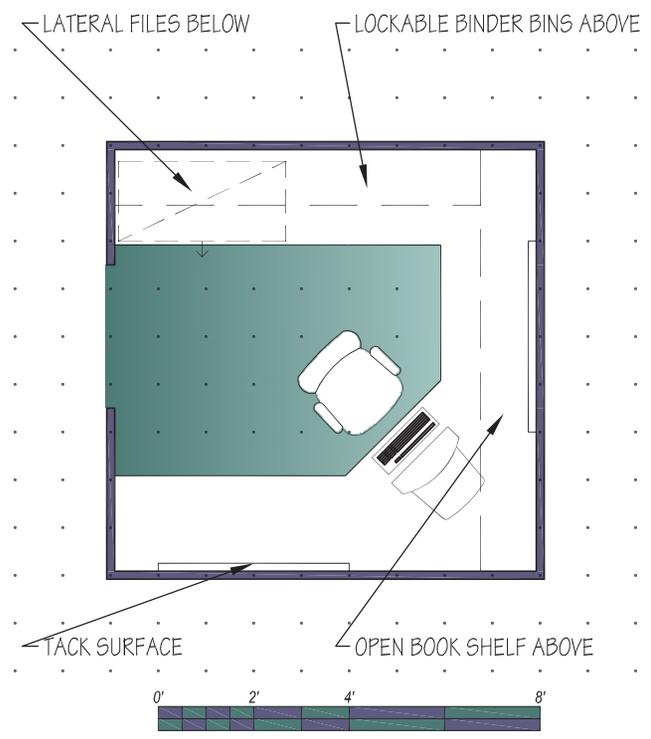
# INDIVIDUAL SPACE DIAGRAMS



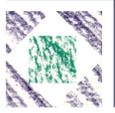
*First Floor Relationship Diagram*



*Student Services Relationship Diagram*



## STAFF OPEN WORKSTATION Student Services



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open Workstation
- Number Required: 3
- Number Additional (expansion): 2
- Total Number: 5

### Net Area Summary

- Area (each): 80 sf
- Subtotal Required Area: 240 sf
- Subtotal Additional Area: 160 sf
- Total Area: 400 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 0

### Function / Tasks

- General office work

### Relationships

- Location: First Floor
- Adjacency: Service Counter & ID Prep Area
- Proximity: Storage & Work Room
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet
- Walls: Not applicable
- Ceiling: Suspended acoustical tile ceiling
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Not applicable

### Windows

- Not applicable

### Casework / Fixed Equipment

- None required

### Furnishings

- System furniture workstation: (1 ea) 81 sf
- Task chair: (1 ea) 18"Wx18"Hx16"D
- Waste can: (1 ea) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall  
120V distributed to systems furniture

- Data: Two (2) devices on opposing walls  
Distributed to systems furniture
- Phone: Two (2) devices on opposing walls  
Distributed to systems furniture

- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

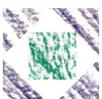
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces

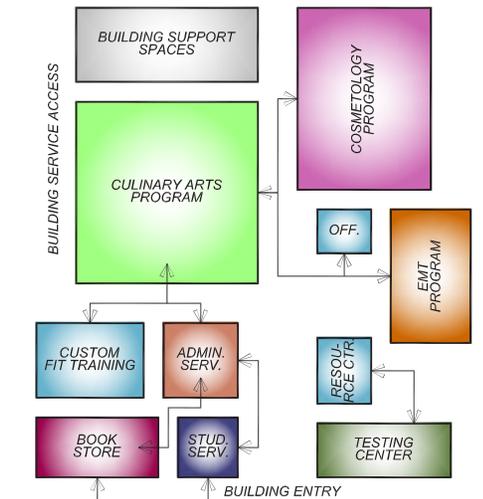
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

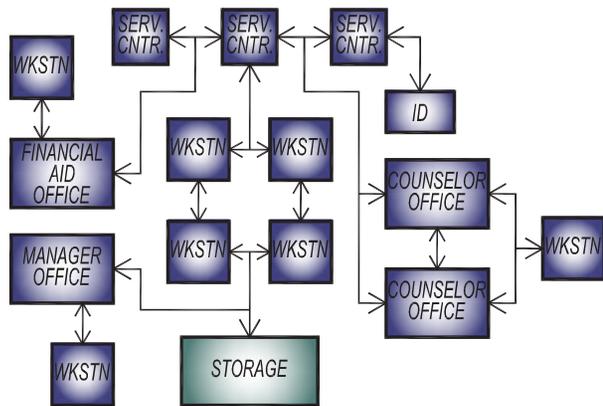
- Desktop computer, monitor & combo laser printer / copier / scanner.



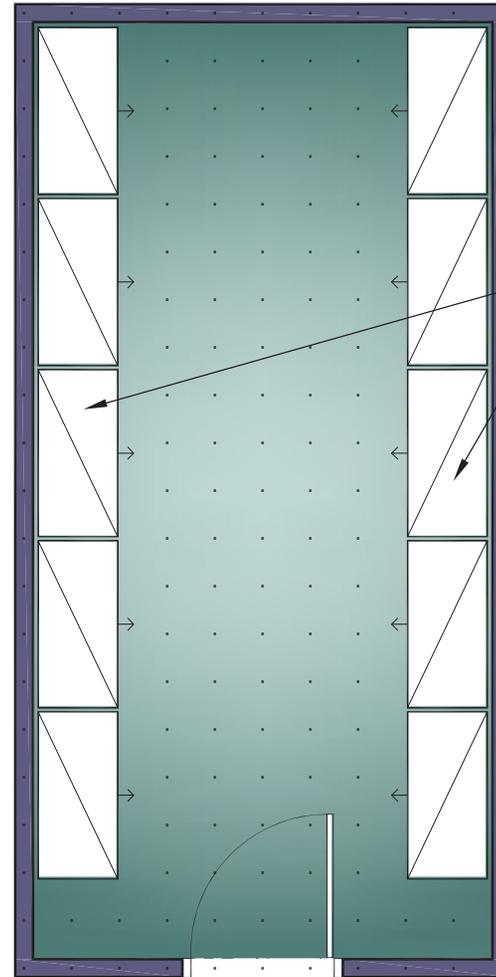
# INDIVIDUAL SPACE DIAGRAMS



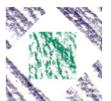
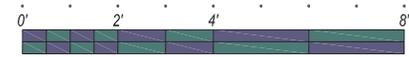
*First Floor Relationship Diagram*



*Student Services Relationship Diagram*



LATERAL FILING  
CABINETS



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Secure Storage
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	200 sf
• Subtotal Required Area:	200 sf
• Subtotal Additional Area:	0 sf
• Total Area:	200 sf

### Occupant Summary

• Assigned Occupants:	0
• Users:	Staff

### Function / Tasks

- Provide secure area for storage of student records

### Relationships

• Location:	First Floor
• Adjacency:	Student Services Staff Workstations
• Proximity:	Student Services Service Counter
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	VCT w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

• Type:	Solid core wood w/ clear finish
• Frame:	Painted hollow metal
• Special:	Electronic access lock

### Windows

• Natural Light:	Not required
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### Casework / Fixed Equipment

- None required

### Furnishings

• Lateral filing cabinets:	(10)
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## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	0.15 CFM/SF (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	74°F
• Winter Design Temp.:	74°F

• Controls:	Individual direct digital controls
• Sound Criteria:	None required

• Special Systems:	None required
• Plumbing:	None required

### Electrical

• Power:	One (1) duplex receptacle each wall
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• Data:	Rough-in for future capacity
• Phone:	Rough-in for future capacity

• Video:	Rough-in for future capacity
• Intercom:	Rough-in for future capacity

### Lighting

• Fixture Type:	T-8 Fluorescent lay-in
• Task Light:	None required

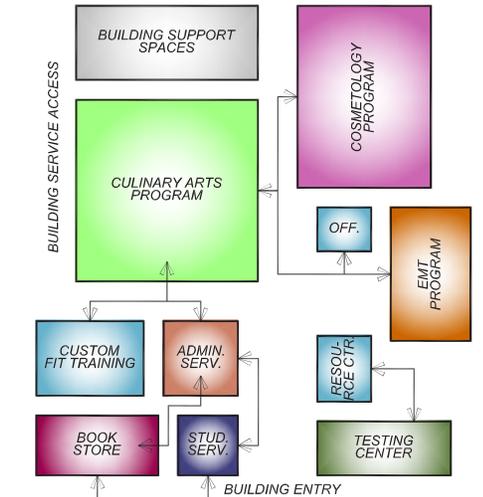
• Foot Candles:	30
• Controls:	Occupancy sensor

### Equipment (NIC)

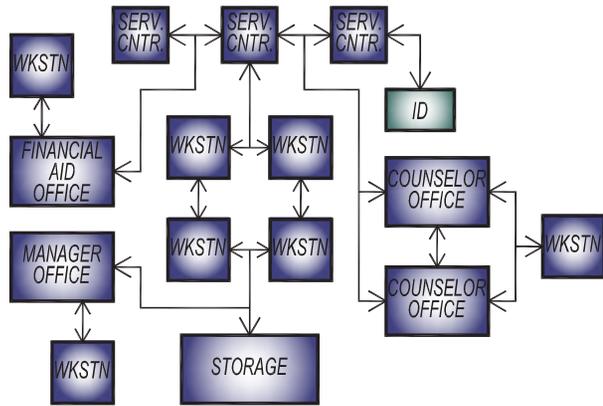
- None required.



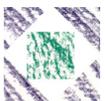
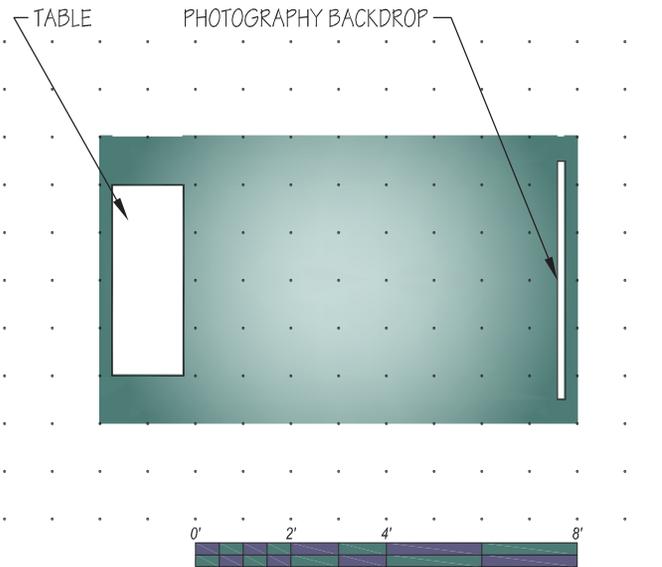
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Student Services Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Open Work Area
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	50 sf
• Subtotal Required Area:	50 sf
• Subtotal Additional Area:	0 sf
• Total Area:	50 sf

### Occupant Summary

• Assigned Occupants:	0
• Users:	Staff

### Function / Tasks

- Provide a work area for photographing and making student ID cards.

### Relationships

• Location:	First Floor
• Adjacency:	Student Service Counter
• Proximity:	None required
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Static-free carpet w 4" rubber base
• Walls:	Not applicable
• Ceiling:	Suspended 2x4 acoustical tile ceiling
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

• Type:	Not applicable
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### Windows

• Natural Light:	Not required
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### Casework / Fixed Equipment

• None required	
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### Furnishings

• Table:	(1) 24"Wx60"Lx30"H
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## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	20 CFM/person (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	72°F
• Winter Design Temp.:	72°F

• Controls:	Individual direct digital controls
• Sound Criteria:	≤35 (NC/RC)

• Special Systems:	None required
• Plumbing:	None required

### Electrical

• Power:	One (1) duplex receptacle each wall
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• Data:	Two (2) devices on opposing walls
• Phone:	Two (2) devices on opposing walls

• Video:	Rough-in for future capacity
• Intercom:	Ceiling speaker

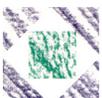
### Lighting

• Fixture Type:	T-8 Fluorescent lay-in indirect
• Task Light:	None required

• Foot Candles:	40
• Controls:	Occupancy sensor

### Equipment (NIC)

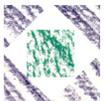
- Desktop computer, monitor, digital camera & combo laser printer / copier / scanner.





# INDIVIDUAL SPACE DIAGRAMS

**NORTHERN UTAH CAMPUS NEW BUILDING PROGRAM**  
Mountainland Applied Technology College  
HFS Architects



318

**ONLINE REGISTRATION KIOSK**  
*Student Services*

# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Open area
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	20 sf
• Subtotal Required Area:	20 sf
• Subtotal Additional Area:	0 sf
• Total Area:	20 sf

### Occupant Summary

• Assigned Occupants:	0
• Visitors:	1-4

### Function / Tasks

- Provide a space to display information.

### Relationships

• Location:	First Floor
• Adjacency:	
• Proximity:	
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Static-free carpet w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	Not required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

- Not applicable

### Windows

• Natural Light:	Not required
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### Casework / Fixed Equipment

- None required.

### Furnishings

## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	20 CFM/person (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	72°F
• Winter Design Temp.:	72°F

• Controls:	Individual direct digital controls
• Sound Criteria:	≤35 (NC/RC)

• Special Systems:	None required
• Plumbing:	None required

### Electrical

Power:	One (1) duplex receptacle each wall
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• Data:	Rough-in for future capacity
• Phone:	Rough-in for future capacity

• Video:	Rough-in for future capacity
• Intercom:	Ceiling speaker

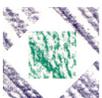
### Lighting

• Fixture Type:	T-8 Fluorescent lay-in
• Table Lamp:	One (1) each table

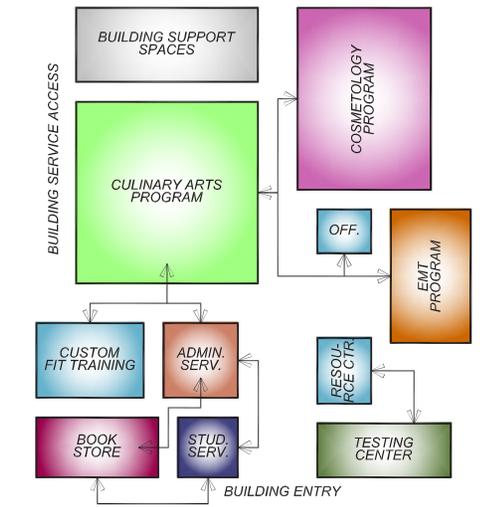
• Foot Candles:	50
• Controls:	Occupancy sensor

### Equipment (NIC)

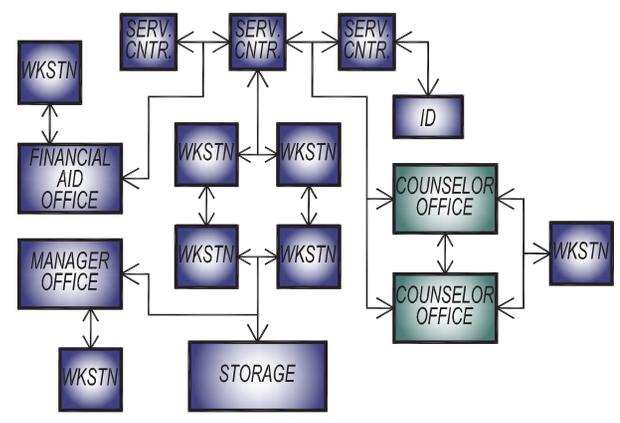
- None required.



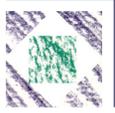
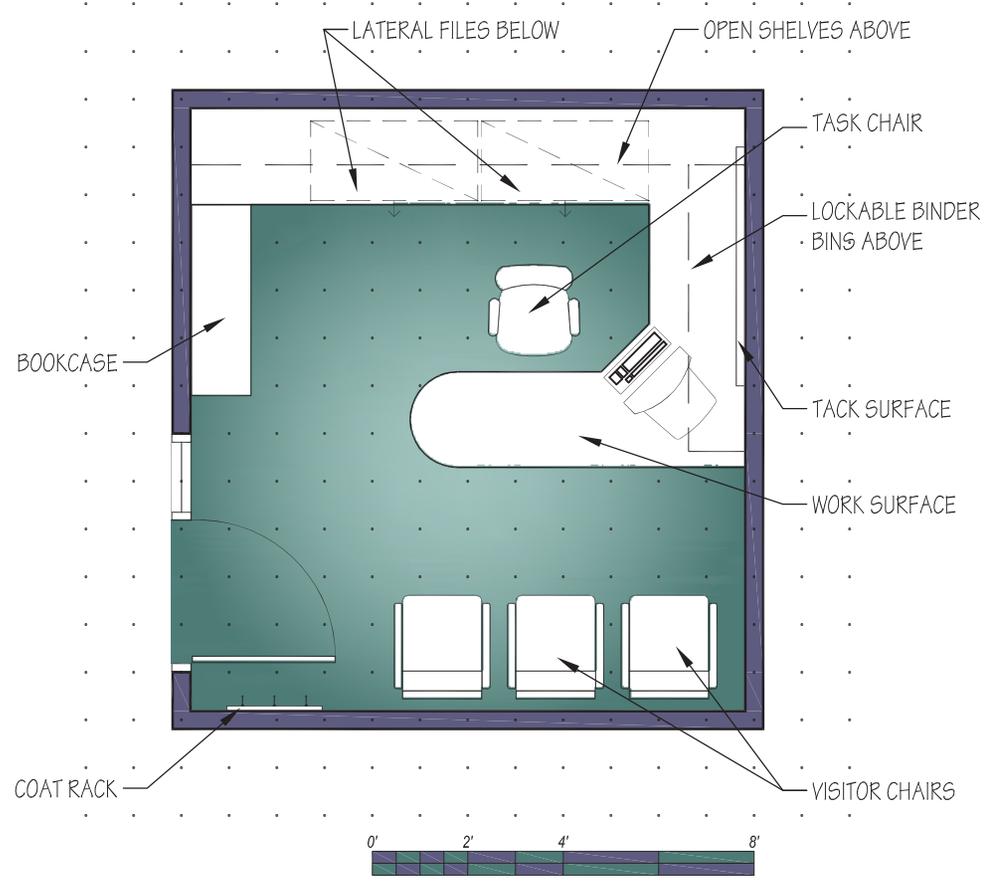
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Student Services Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 2
- Number Additional: 0
- Total Number: 2

### Net Area Summary

- Area (each): 150 sf
- Subtotal Required Area: 300 sf
- Subtotal Additional Area: 0 sf
- Total Area: 300 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency:
- Proximity:
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)

- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)

- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall

- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls

- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces

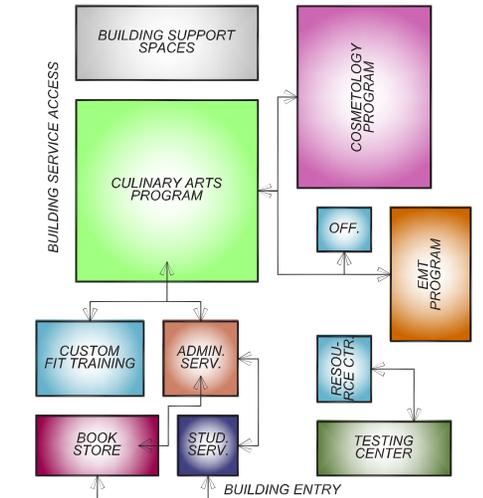
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

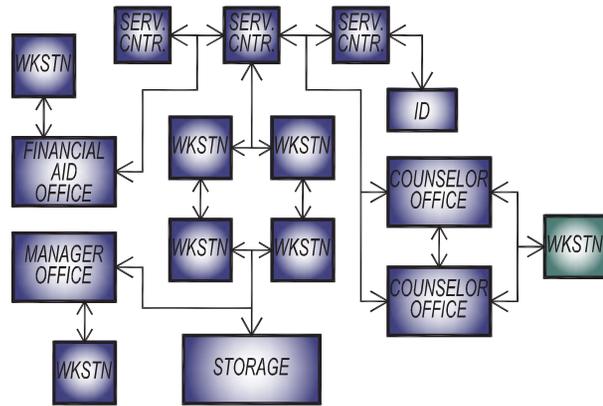
- Desktop computer, monitor & combo laser printer / copier / scanner.



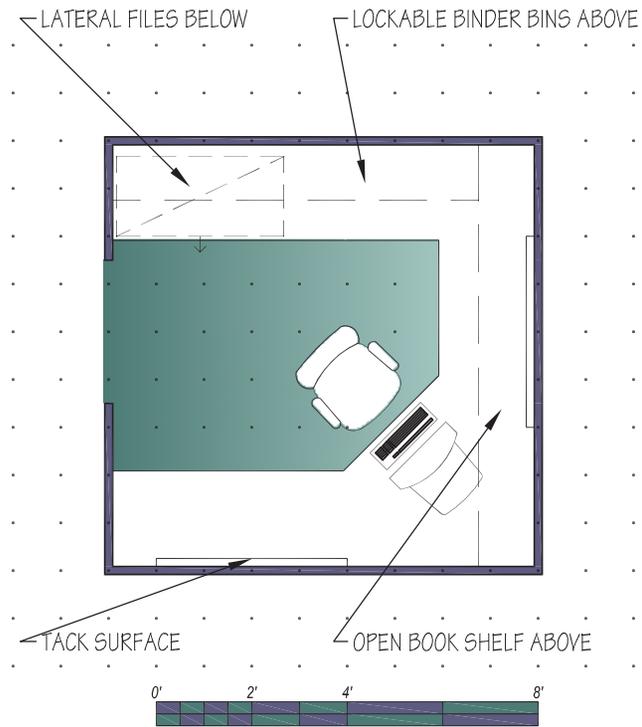
# INDIVIDUAL SPACE DIAGRAMS



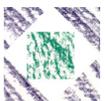
First Floor Relationship Diagram



Student Services Relationship Diagram



## COUNSELOR STAFF OPEN WORKSTATION Student Services



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Open Workstation
• Number Required:	1
• Number Additional:	0
• Total Number:	1
Net Area Summary	
• Area (each):	80 sf
• Subtotal Required Area:	80 sf
• Subtotal Additional Area:	0 sf
• Total Area:	80 sf

### Occupant Summary

• Assigned Occupants:	1
• Visitors:	0

### Function / Tasks

- General office work.

### Relationships

• Location:	First Floor
• Adjacency:	Counselor Office
• Proximity:	
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Not applicable
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Not required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Not applicable

### Windows

- Not applicable

### Casework / Fixed Equipment

- None required

### Furnishings

- Work Surface: (2) 24"x72"
- Work Surface, angled corner: (1) 24"x42"
- Shelf Unit, 6-shelves high: (1) 14"x48"
- Fabric-covered Panels: (1 wkstn.) 42"H
- Keyboard Shelf: (1) pull-out
- Tack Surface: (2) 24"x36"
- 2-Drawer Lateral File: (2) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Coat Hook: (2) each
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall 120V distributed to systems furniture

- Data: Two (2) devices on opposing walls Distributed to systems furniture
- Phone: Two (2) devices on opposing walls Distributed to systems furniture

- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

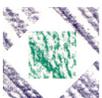
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces

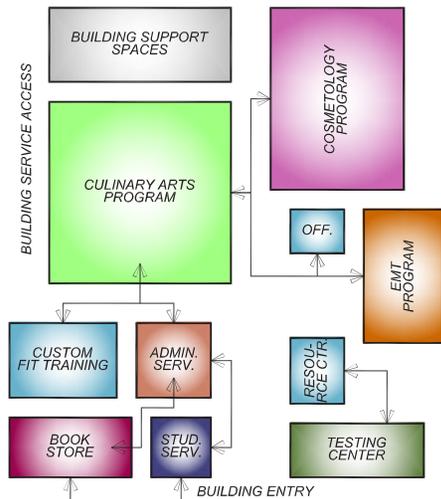
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

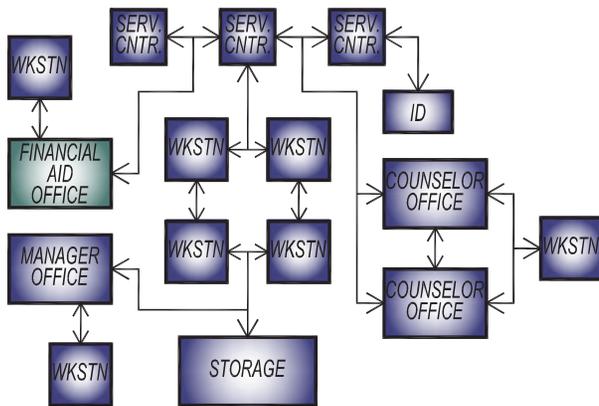
- Desktop computer, monitor & combo laser printer / copier / scanner.



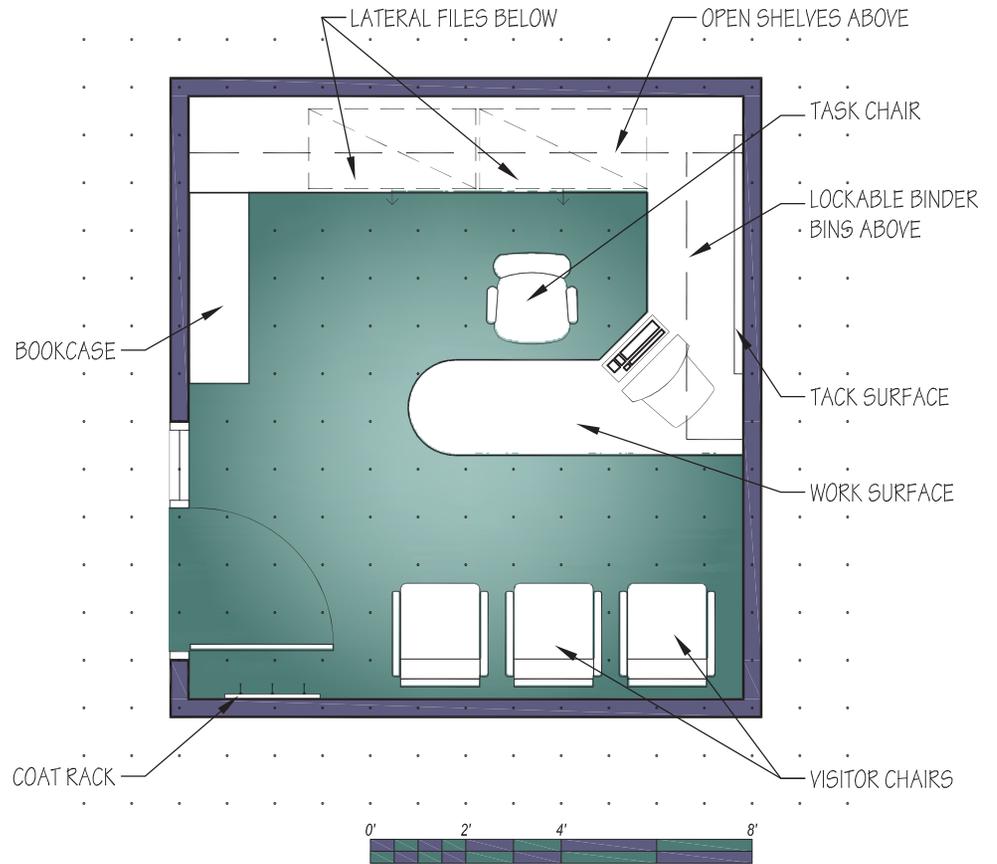
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Student Services Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 150 sf
- Subtotal Required Area: 150 sf
- Subtotal Additional Area: 0 sf
- Total Area: 150 sf

### Occupant Summary

- Assigned Occupants: 1
- Visitors: 1-4

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency:
- Proximity:
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Required
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)

- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall

- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls

- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

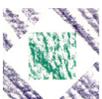
### Lighting

- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces

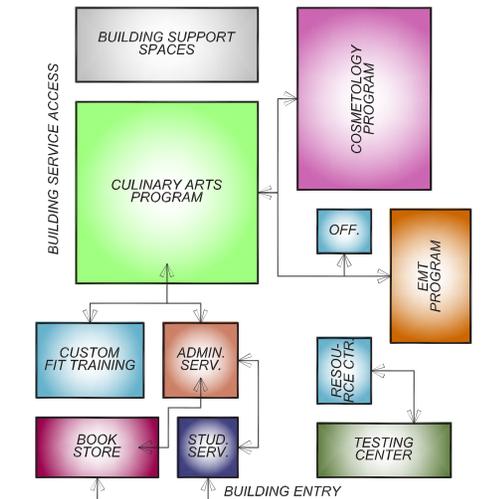
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

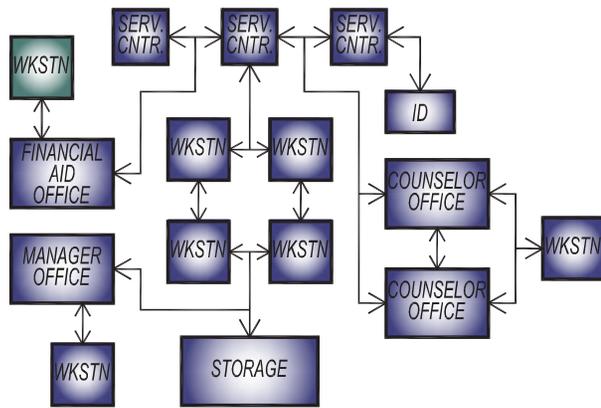
- Desktop computer, monitor & combo laser printer / copier / scanner.



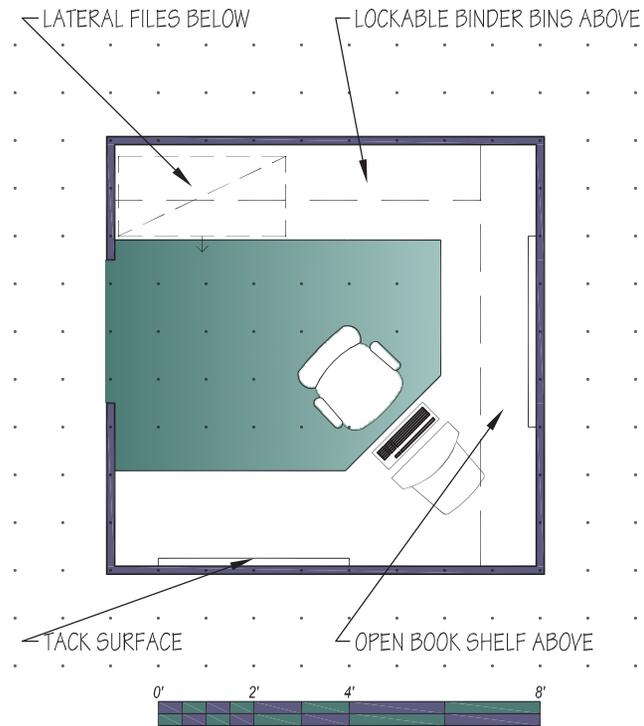
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*

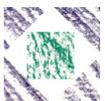


*Student Services Relationship Diagram*



## FINANCIAL AID STAFF WORKSTATION

*Student Services*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Open Workstation
• Number Required:	1
• Number Additional:	0
• Total Number:	1
Net Area Summary	
• Area (each):	80 sf
• Subtotal Required Area:	80 sf
• Subtotal Additional Area:	0 sf
• Total Area:	80 sf

### Occupant Summary

• Assigned Occupants:	1
• Visitors:	0

### Function / Tasks

- General office work.

### Relationships

• Location:	First Floor
• Adjacency:	Financial Aid Staff Office
• Proximity:	
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Static-free carpet w/ 4" rubber base
• Walls:	Not applicable
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	Not required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
------------------------------	-------

### Doors

- Not applicable

### Windows

- Not applicable

### Casework / Fixed Equipment

- None required

### Furnishings

• Work Surface:	(2) 24"x72"
• Work Surface, angled corner:	(1) 24"x42"
• Shelf Unit, 6-shelves high:	(1) 14"x48"
• Fabric-covered Panels:	(1 wkstn.) 42"H
• Keyboard Shelf:	(1) pull-out
• Tack Surface:	(2) 24"x36"
• 2-Drawer Lateral File:	(2) 18"x42"
• Task Chair w/ arms, adjustable:	(1) 27"x28"
• Coat Hook:	(2) each
• Waste Can:	(1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	20 CFM/person (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	72°F
• Winter Design Temp.:	72°F

• Controls:	Individual direct digital controls
• Sound Criteria:	≤ 35 (NC/RC)
• Special Systems:	None required
• Plumbing:	None required

### Electrical

• Power:	One (1) duplex receptacle each wall 120V distributed to systems furniture
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• Data:	Two (2) devices on opposing walls Distributed to systems furniture
• Phone:	Two (2) devices on opposing walls Distributed to systems furniture

• Video:	Rough-in for future capacity
• Intercom:	Ceiling speaker

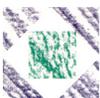
### Lighting

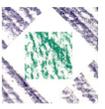
• Fixture Type:	T-8 Fluorescent lay-in indirect
• Task Light:	Required at work surfaces

• Foot Candles:	40
• Controls:	Occupancy sensor

### Equipment (NIC)

- Desktop computer, monitor & combo laser printer / copier / scanner.

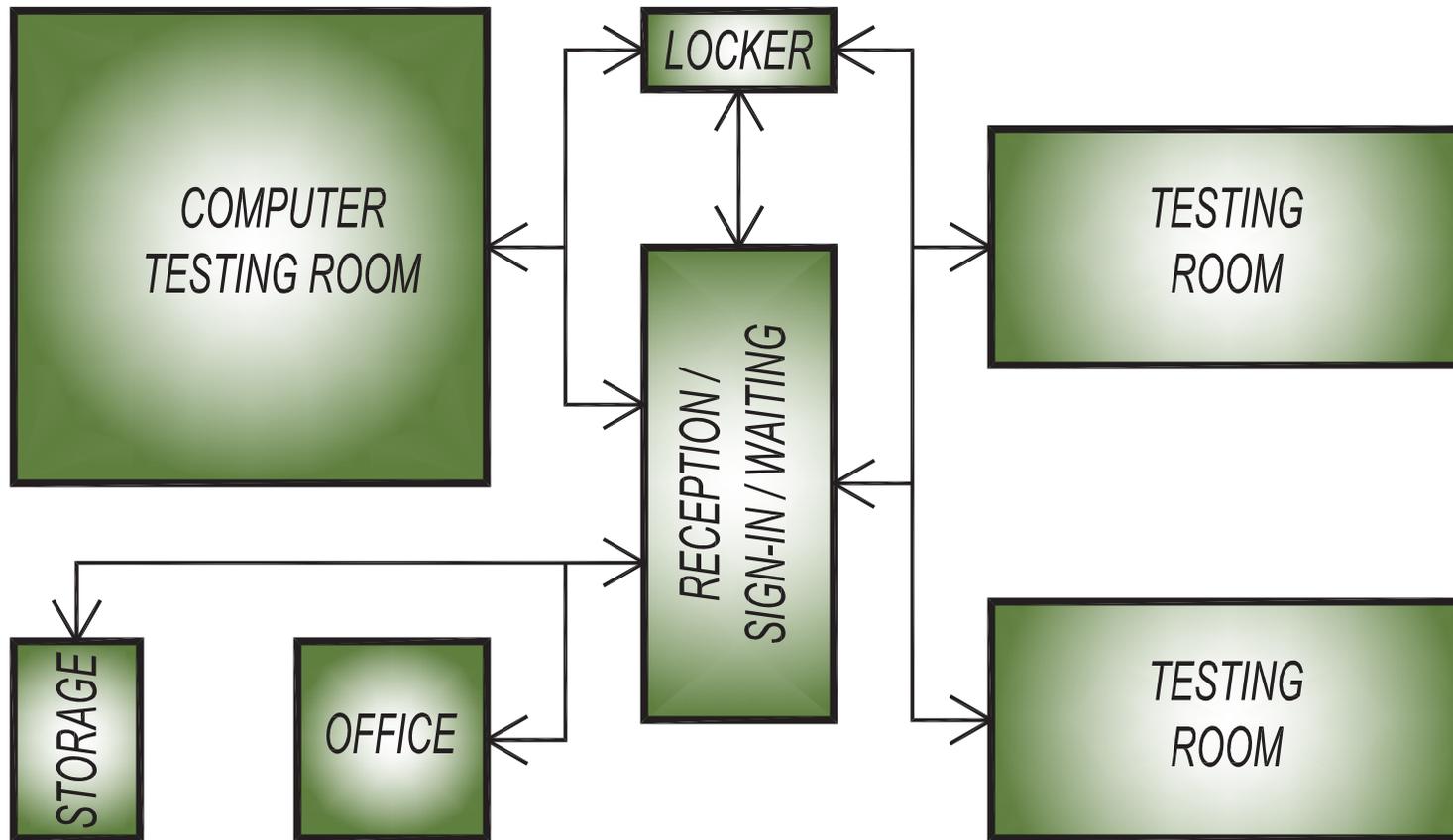




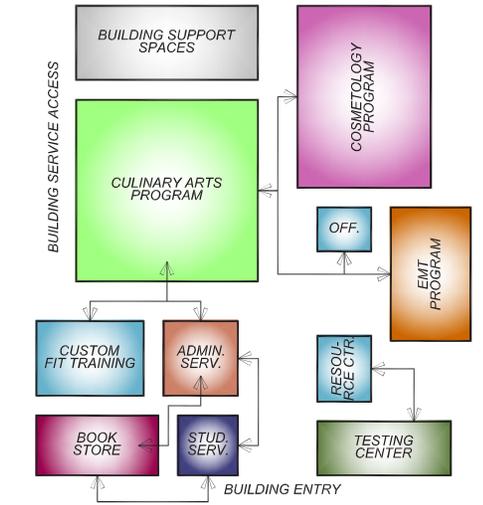
# INDIVIDUAL SPACE REQUIREMENTS



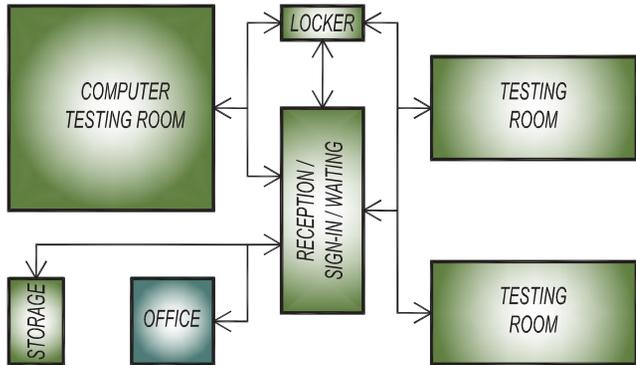
## TESTING CENTER RELATIONSHIP DIAGRAM



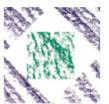
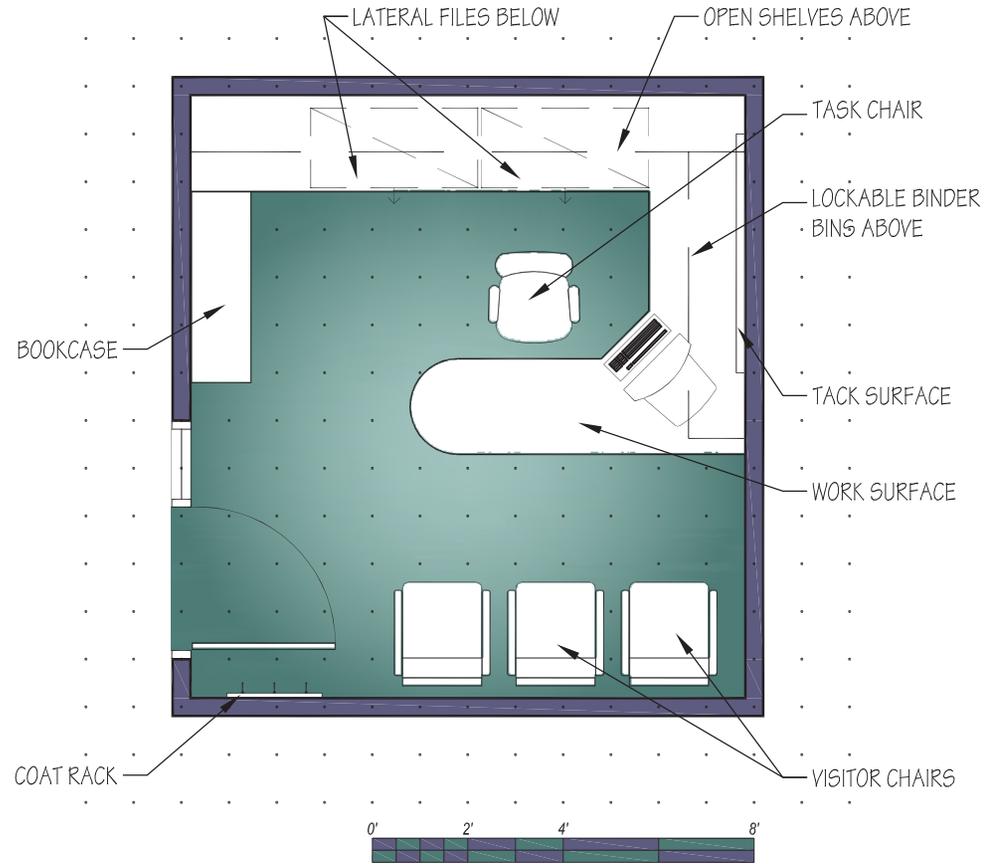
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Testing Center Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Private Office
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 150 sf
- Subtotal Required Area: 150 sf
- Subtotal Additional Area: 0 sf
- Total Area: 150 sf

### Occupant Summary

- Occupants: 1
- Visitors: 1-2

### Function / Tasks

- Provide a professional work space for general office work and conferencing.

### Relationships

- Location: First Floor
- Adjacency: Reception & Testing Rooms
- Proximity: Main Building Entry & Administrative Services
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x4 acoustical tile ceiling
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating

### Casework / Fixed Equipment

- Whiteboard w/ frame & tray: (1) 48"x48"
- Coat rack, oak plate w/ 3 dbl. prong hooks: (1)

### Furnishings

- Work Surface: (1) 24"x96" & (1) 24"x48"
- Work Surface, angled corner: (1) 24"x36"
- Work / Table Surface: (1) 24"x48"
- Shelf Unit, 2-shelves high: (1) 14"x36"
- Binder Bin w/ lockable door: (2) 15"x48"
- Book Shelf Unit, 6-shelves high: (2) 14"x42"
- Keyboard Shelf: (1) pull-out
- Tack Surface: (1) 24"x36"
- 2-Drawer Lateral File: (1) 18"x42"
- Task Chair w/ arms, adjustable: (1) 27"x28"
- Upholstered Side Chairs: (2) 20"x20"
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

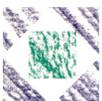
- Power: One (1) duplex receptacle each wall
- Data: Two (2) devices on opposing walls
- Phone: Two (2) devices on opposing walls
- Video: Rough-in for future capacity
- Intercom: Speaker w/ volume control

### Lighting

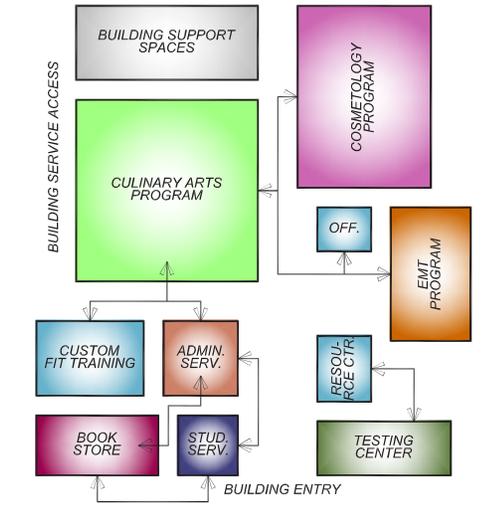
- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

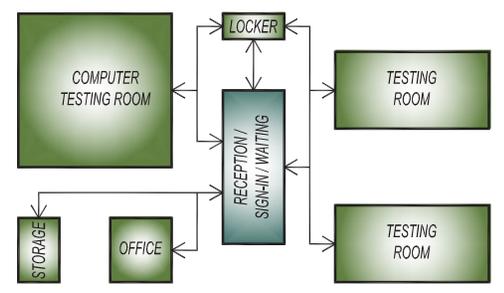
- Desktop computer, monitor & combo laser printer / copier / scanner.



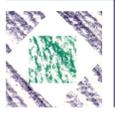
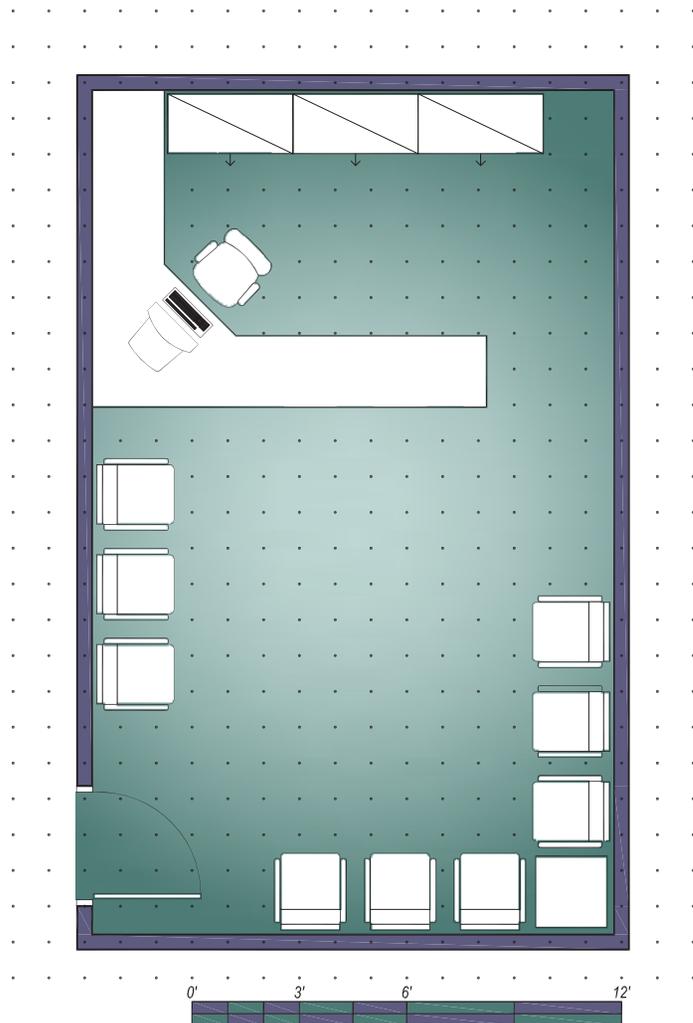
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Testing Center Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open Reception & Waiting
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 360 sf
- Subtotal Required Area: 360 sf
- Subtotal Additional Area: 0 sf
- Total Area: 360 sf

### Occupant Summary

- Assigned Occupant: 1
- Visitors: Varies

### Function / Tasks

- Provide a reception & waiting area.
- General office work.

### Relationships

- Location: First Floor
- Adjacency: Testing Rooms, Locker Area, Director Office & Storage
- Proximity: Building Entry & Resource Center
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical tile ceiling
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal, glazed sidelite
- Special: None required

### Windows

- Natural Light: Not required
- Interior: Painted H.M. frame w/ 1/4" glazing

### Casework / Fixed Equipment

- Reception desk: (12 lf) 30"Dx27"H  
hdwd. veneer w/ solid surface countertop
- Transaction counter: (8 lf) 12"Dx34"H  
hdwd. veneer w/ solid surface countertop
- Clock: (1)

### Furnishings

- Upholstered side chair w/ arms: (8)
- Task chair, armless, swivel, adjustable: (1)
- Waste Can: (1) 14" diameter

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria:  $\leq 35$  (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

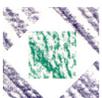
- Power: One (1) duplex receptacle each wall  
One (1) four-plex receptacle at desk  
Additional capacity for equipment listed
- Data: One (1) device on opposing walls  
Two (2) devices at desk
- Phone: One (1) device on opposing walls  
One (1) device at desk
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

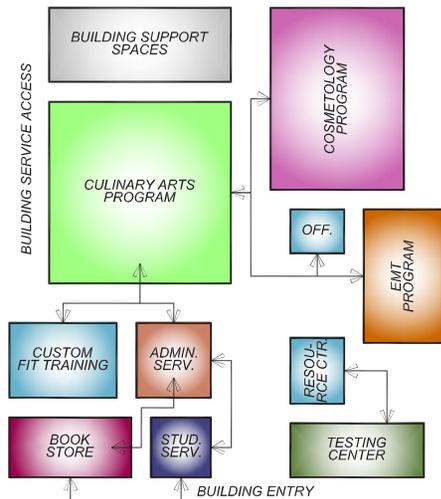
- Fixture Type: T-8 Fluorescent lay-in indirect
- Task Light: Required at work surfaces
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment (NIC)

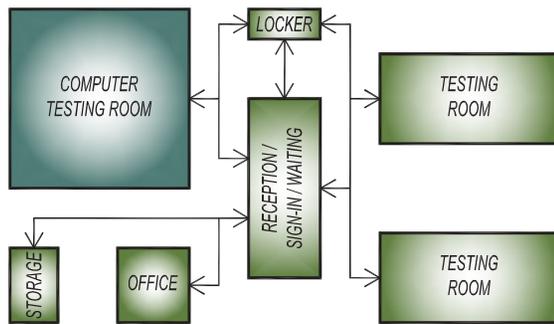
- Desktop computer, monitor & combo laser printer / copier / scanner: (3)
- Video monitors: (3)
- Video recorders: (3)



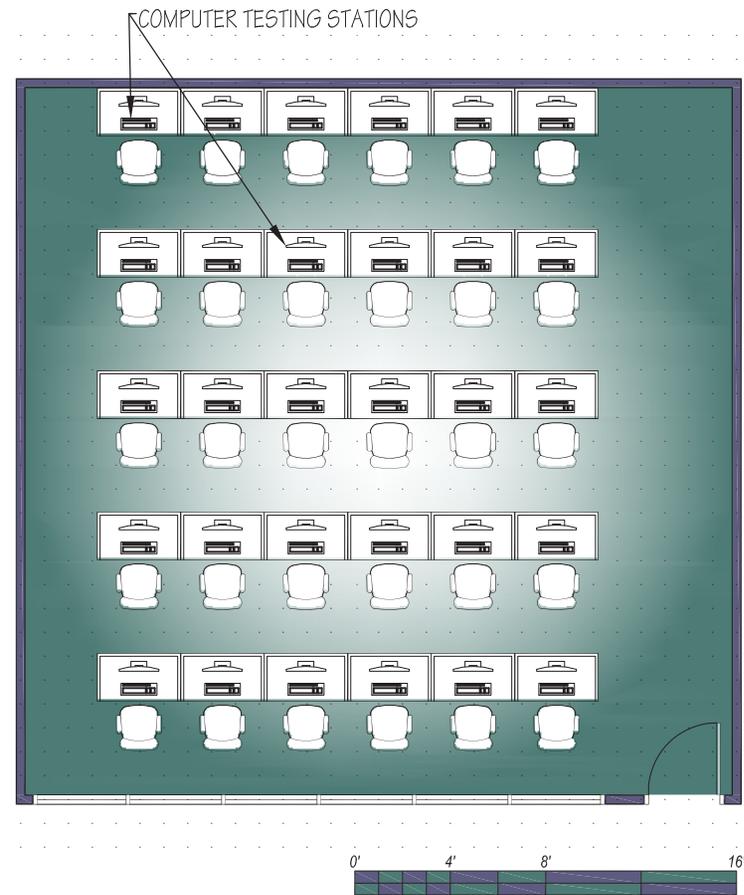
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Testing Center Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Monitored Testing Room
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 900 sf
- Subtotal Required Area: 900 sf
- Subtotal Additional Area: 0 sf
- Total Area: 900 sf

### Occupant Summary

- Student Stations: 30
- Area Per Station: 30 sf

### Function / Tasks

- Provide monitored and quiet area for testing.

### Relationships

- Location: First Floor
- Adjacency: Reception & Director Office
- Proximity: Building Entry & Resource Center
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Clock: (1)

### Furnishings

- Student table: (12) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (12)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)
- Special Systems: Dedicated computer A/C units
- Plumbing: None required

### Electrical

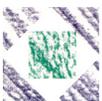
- Power: Two (2) duplex receptacles per wall  
One (1) duplex receptacle per computer station
- Data: Two (2) devices per wall  
One (1) device per computer station,
- Phone: Two (2) devices per wall
- Video: Security camera
- Intercom: Ceiling speaker

### Lighting

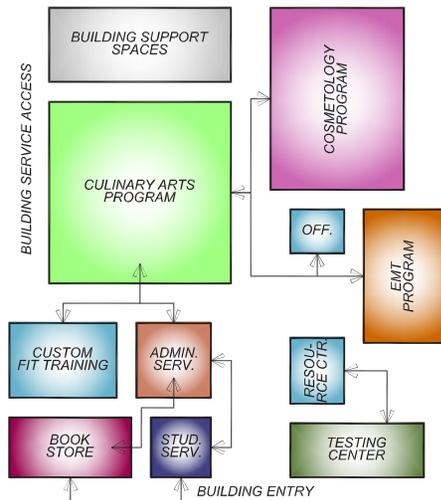
- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

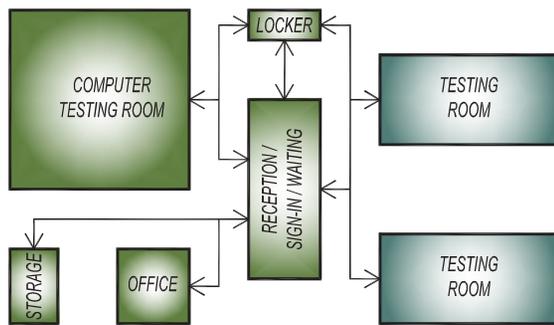
- Desktop computers & monitors: (12)



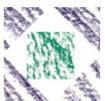
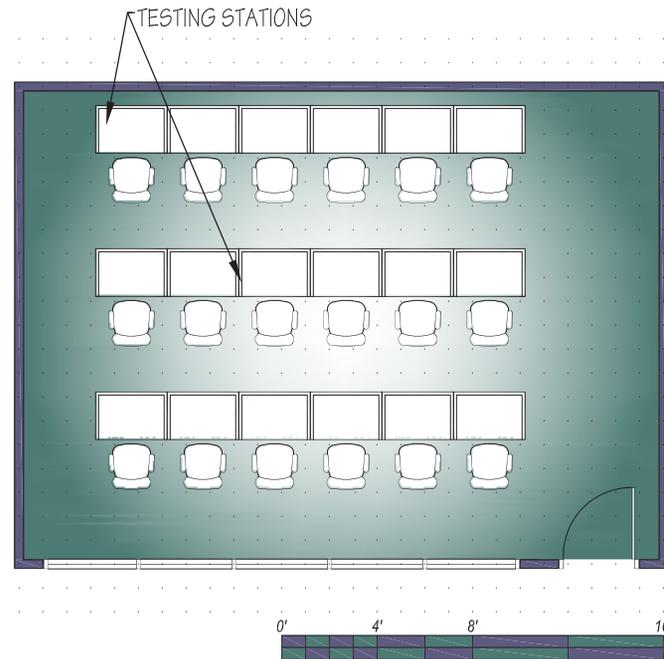
# INDIVIDUAL SPACE DIAGRAMS



*First Floor Relationship Diagram*



*Testing Center Relationship Diagram*



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Monitored Testing Room
- Number Required: 1
- Number Additional: 1
- Total Number: 2

### Net Area Summary

- Area (each): 530 sf
- Subtotal Required Area: 1,060 sf
- Subtotal Additional Area: 0 sf
- Total Area: 1,060 sf

### Occupant Summary

- Student Stations: 20
- Area Per Station: 25 sf

### Function / Tasks

- Provide monitored and quiet area for testing.

### Relationships

- Location: First Floor
- Adjacency: Reception & Director Office
- Proximity: Building Entry & Resource Center
- Separation: Mechanical & elevator rooms  
Noisy public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical panels
- Sound: Full sound construction

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid-core wood w/ clear finish
- Frame: Painted hollow metal w/ glazed sidelite
- Special: Sound isolation

### Windows

- Natural Light: Desirable
- Type: Aluminum frame
- Glazing: Insulated w/ low-e coating
- Interior: Painted H.M. frame w/ ¼" glazing

### Casework / Fixed Equipment

- Clock: (1)

### Furnishings

- Student table: (20) 36"Wx24"Dx27"H
- Task chair, armless, swivel, adjustable: (20)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM/person (min.)
- Air Circulation: 15 CFM/person (min.)

- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤30 (NC/RC)

- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: Two (2) duplex receptacles per wall  
Additional capacity for equipment listed

- Data: Two (2) devices per wall  
Additional capacity for equipment listed

- Phone: Two (2) devices per wall
- Video: Security camera
- Intercom: Ceiling speaker

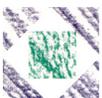
### Lighting

- Fixture Type: T-5 HO linear indirect pendant
- Task Light: None required

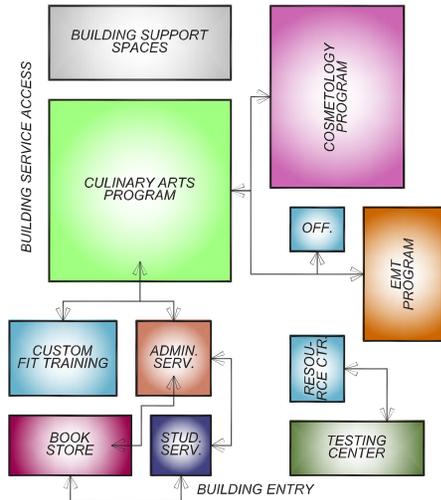
- Foot Candles: 40-45
- Controls: Occupancy sensor

### Equipment (NIC)

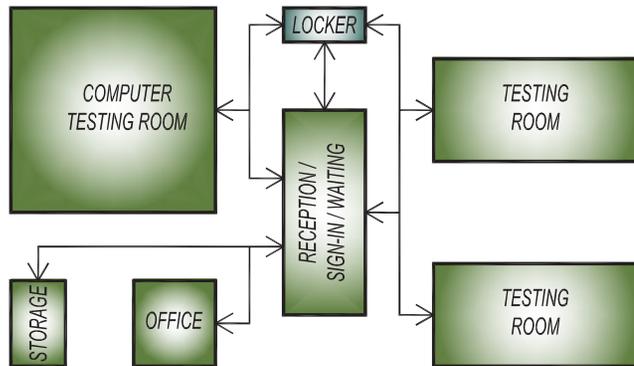
- Desktop computers and monitors: (12)



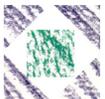
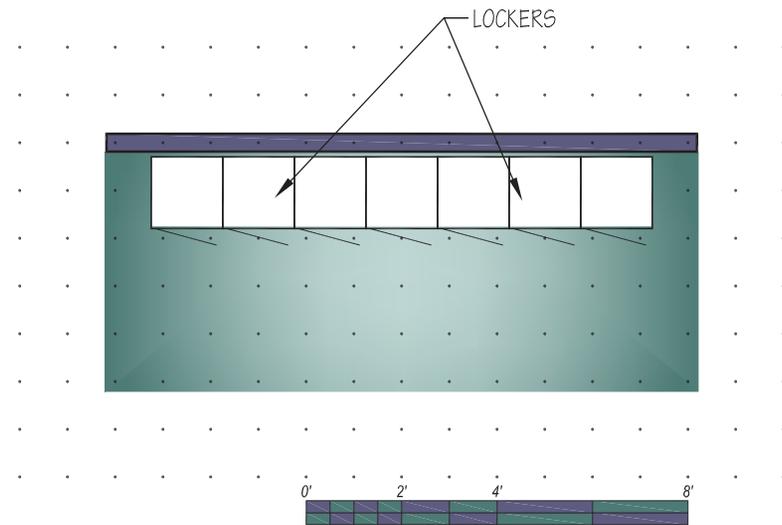
# INDIVIDUAL SPACE DIAGRAMS



First Floor Relationship Diagram



Testing Center Relationship Diagram



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 60 sf
- Subtotal Required Area: 60 sf
- Subtotal Additional Area: 0 sf
- Total Area: 60 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Students

### Function / Tasks

- Provide secure storage for participants personal items while they are testing.

### Relationships

- Location: First Floor
- Adjacency: Reception & Testing Rooms
- Proximity: Main building entry
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Static-free carpet w/ 4" rubber base
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustical tile ceiling
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- None required.

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- Hdwd. veneer lockers: (7) 18"Wx18"Dx18"H  
5-high w/ doors & re-programmable code lock

### Furnishings

- None required.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM/person (min.)
- Air Circulation: 20 CFM/person (min.)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 72°F

- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)

- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One (1) duplex receptacle each wall

- Data: Rough-in for future capacity
- Phone: Rough-in for future capacity

- Video: Rough-in for future capacity
- Intercom: Rough-in for future capacity

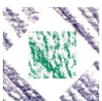
### Lighting

- Fixture Type: T-8 Fluorescent lay-in
- Task Light: None required

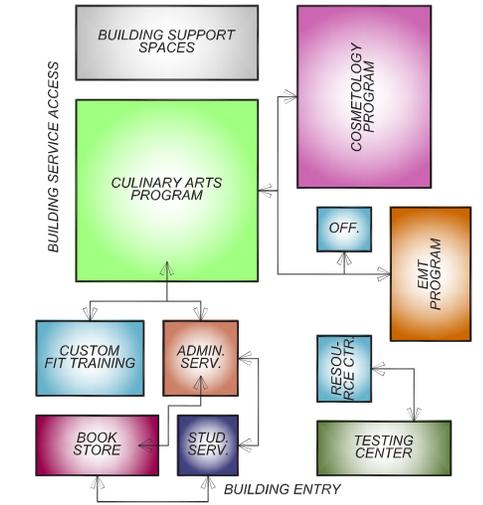
- Foot Candles: 30
- Controls: Occupancy sensor

### Equipment (NIC)

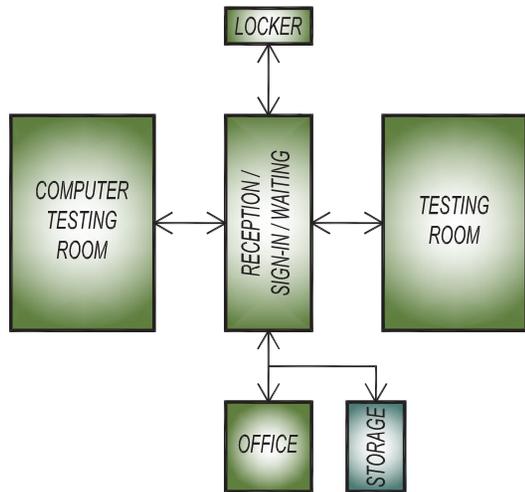
- None required.



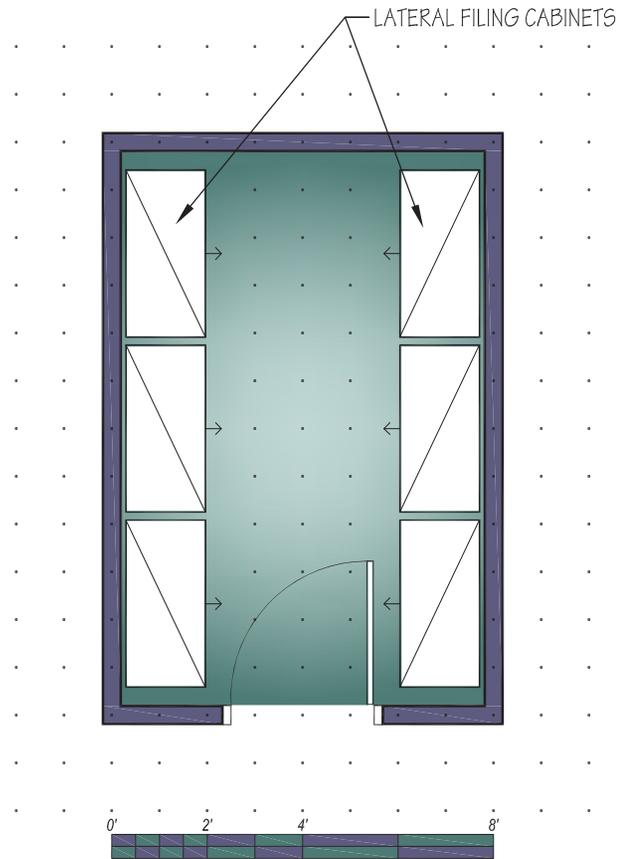
# INDIVIDUAL SPACE DIAGRAMS



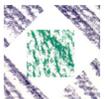
*First Floor Relationship Diagram*



*Testing Center Relationship Diagram*



## STORAGE ROOM Testing Center



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Secure Storage
• Number Required:	1
• Number Additional:	0
• Total Number:	1

### Net Area Summary

• Area (each):	100 sf
• Subtotal Required Area:	100 sf
• Subtotal Additional Area:	0 sf
• Total Area:	100 sf

### Occupant Summary

• Assigned Occupants:	0
• Users:	Staff

### Function / Tasks

- Provide secure area for storage of student records and testing related materials.

### Relationships

• Location:	First Floor
• Adjacency:	Director Office & Reception
• Proximity:	None required
• Separation:	None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	VCT w/ 4" rubber base
• Walls:	Painted gypsum board
• Ceiling:	Suspended 2x4 acoustical panels
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

• Type:	Solid core wood w/ clear finish
• Frame:	Painted hollow metal
• Special:	Electronic access lock

### Windows

• Natural Light:	Not required
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### Casework / Fixed Equipment

- None required

### Furnishings

• Lateral filing cabinets:	(6)
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## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	0.15 CFM/SF (min.)
• Air Circulation:	20 CFM/person (min.)
• Summer Design Temp.:	74°F
• Winter Design Temp.:	74°F

• Controls:	Individual direct digital controls
• Sound Criteria:	None required

• Special Systems:	None required
• Plumbing:	None required

### Electrical

• Power:	One (1) duplex receptacle each wall
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• Data:	Rough-in for future capacity
• Phone:	Rough-in for future capacity

• Video:	Rough-in for future capacity
• Intercom:	Rough-in for future capacity

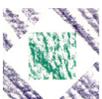
### Lighting

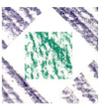
• Fixture Type:	T-8 Fluorescent lay-in
• Task Light:	None required

• Foot Candles:	30
• Controls:	Occupancy sensor

### Equipment (NIC)

- None required.





# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Enclosed Public Restroom
- Number Required: 2 per gender
- Number Additional (expansion): 0
- Total Number: 4

### Net Area Summary

- Area (each): As required by plumbing code

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty / Staff / Students

### Function / Tasks

- Building support space.

### Relationships

- Location: All Floors, 1 per gender
- Adjacency: Centrally located
- Proximity: Public circulation
- Separation: Quiet spaces

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Ceramic tile, slope to floor drain
- Walls: Ceramic tile
- Ceiling: Susp. gypsum board w/ acoustic tile
- Sound: None required
- Fixtures: Vitreous china

### Ceiling Height

- Above Finish Floor (min.): 9'-0"

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- Water closet: As required
- Urinal: As required
- Lavatory: As required
- Toilet partition, stainless steel: 32"x56"
- Urinal Screen, stainless steel: 24"x18"(min)
- Mirror w/ stainless steel shelf: As required
- Grab bars, stainless steel: As required
- Dispensers: As required
- Waste receptacles, stainless steel: As required

### Furnishings

- None required.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 15 CFM / per person (min)
- Air Circulation: 15 CFM / per person (min)
- Summer Design Temp.: 72°F
- Winter Design Temp.: 70°F
- Controls: Individual direct digital controls
- Sound Criteria: 40 (NC/RC)
- Special Systems: 5 min air exchange exhaust
- Plumbing: Wall hung flush valve water closets  
Wall hung flush valve urinals  
Wall hung lavatories  
Floor drains  
Water, waste & venting

### Electrical

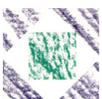
- Power: One GFCI duplex outlet per wall
- Data: None required
- Phone: None required
- Video: None required
- Intercom: Ceiling speaker

### Lighting

- Fixture Types: T-8 Fluorescent
- Task Light: Required at mirrors
- Foot Candles: 30
- Controls: Occupancy sensor

### Equipment

- Electric hand driers.



# INDIVIDUAL SPACE OUTLINE

## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Open Vending Area
- Number Required: 2
- Number Additional (expansion): 0
- Total Number: 2

### Net Area Summary

- Area (each): 130 sf
- Subtotal Required Area: 260 sf
- Subtotal Additional Area: 0 sf
- Total Area: 260 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Faculty / Staff / Students

### Function / Tasks

- Provide space for vending machines.

### Relationships

- Location: First & Second Floors
- Adjacency: Public Restrooms
- Proximity: Public Circulation Areas
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Ceramic quarry tile
- Walls: Painted gypsum board
- Ceiling: Suspended 2x2 acoustic tile ceiling
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): 10'-0"

### Doors

- None required.

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- None required.

### Furnishings

- Vending machine variety: (6)

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: .5 CFM / SF (min.)
- Air Circulation: .5 CFM / SF (min.)
- Summer Design Temp.: 75°F
- Winter Design Temp.: 72°F
- Controls: Individual direct digital controls
- Sound Criteria: 30 (NC/RC)
- Special Systems: None required
- Plumbing: Floor sink for vending machines  
Water, waste & venting

### Electrical

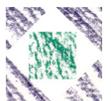
- Power: One duplex outlet per machine
- Data: One per machine
- Phone: None required
- Video: None required
- Intercom: None required

### Lighting

- Fixture Types: T-8 Fluorescent
- Task Light: None required
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment

- None required.



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Enclosed
• Number Required:	2
• Number Additional (expansion):	0
• Total Number:	2

### Net Area Summary

• Area (each):	80 sf
• Subtotal Required Area:	160 sf
• Subtotal Additional Area:	0 sf
• Total Area:	160 sf

### Occupant Summary

• Assigned Occupants:	0
• Users:	Facilities Staff

### Function / Tasks

- Provide a custodial work space & storage.

### Relationships

• Location:	One on each floor, stacked
• Adjacency:	None required
• Proximity:	Centrally located
• Separation:	High traffic public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Sealed concrete Slope floor to drain
• Walls:	Epoxy painted gypsum board w/ ceramic tile wainscot at mop sink
• Ceiling:	Suspended painted gypsum board
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	9'-0"
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### Doors

• Type:	Solid core wood w/ clear finish
• Frame:	Painted hollow metal
• Special:	None required

### Windows

• Natural Light:	Not required
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### Casework / Fixed Equipment

• Mop and broom rack, wall mounted:	(1)
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### Furnishings

• 7-Shelf steel shelving unit:	(1) 18"x48"
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## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	.5 CFM / SF (min.)
• Air Circulation:	.5 CFM / SF (min.)
• Summer Design Temp.:	78°F
• Winter Design Temp.:	68°F
• Controls:	Individual direct digital controls
• Sound Criteria:	30 (NC/RC)
• Special Systems:	10 minute air exchange
• Plumbing:	Floor mounted mop sink Floor drain, water, waste & venting

### Electrical

• Power:	One duplex outlet per wall (min.)
• Data:	Rough-in for future capacity
• Phone:	Rough-in for future capacity
• Video:	Rough-in for future capacity
• Intercom:	Rough-in for future capacity

### Lighting

• Fixture Types:	T-8 Fluorescent
• Task Light:	None required
• Foot Candles:	30
• Controls:	Occupancy sensor

### Equipment

- None required.



# INDIVIDUAL SPACE OUTLINE

## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Secure Storage
- Number Required: 1
- Number Additional (expansion): 0
- Total Number: 1

### Net Area Summary

- Area (each): 300 sf
- Subtotal Required Area: 300 sf
- Subtotal Additional Area: 0 sf
- Total Area: 300 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Facilities Staff

### Function / Tasks

- Provide a general storage for the building.

### Relationships

- Location: Second Floor
- Adjacency: None required
- Proximity: None required
- Separation: None required

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Sealed concrete
- Walls: Painted gypsum board
- Ceiling: None required
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): N/A

### Doors

- Type: Painted hollow core metal
- Frame: Painted hollow metal
- Special: Double doors

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- None required.

### Furnishings

- None required.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: .5 CFM / SF (min.)
- Air Circulation: .5 CFM / SF (min.)
- Summer Design Temp.: 70°F
- Winter Design Temp.: 68°F
- Controls: Individual direct digital controls
- Sound Criteria: 30 (NC/RC)
- Special Systems: None required
- Plumbing: None required

### Electrical

- Power: One duplex outlet every 10'-0" Two per wall (min.)
- Data: Rough-in for future capacity
- Phone: Rough-in for future capacity
- Video: Rough-in for future capacity
- Intercom: Rough-in for future capacity

### Lighting

- Fixture Types: T-8 Fluorescent
- Task Light: None required
- Foot Candles: 30
- Controls: Occupancy sensor

### Equipment

- None required.

# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Enclosed
- Number Required: 1
- Number Additional (expansion): 0
- Total Number: 1

### Net Area Summary

- Area (each): 5% building net SF

### Occupant Summary

- Assigned Occupants: 0
- Users: Facilities Staff

### Function / Tasks

- Accommodate mechanical equipment, piping, ducts and control systems.

### Relationships

- Location: First Floor
- Adjacency: Centrally located for piping / ducts
- Proximity: None required
- Separation: Quiet areas  
High traffic public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Sealed concrete  
Slope floor to drains
- Walls: Ptd. gypsum boards / sealed concrete
- Ceiling: None required
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): N/A

### Doors

- Type: Painted hollow core metal
- Frame: Painted hollow metal
- Special: Double doors

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- None required.

### Furnishings

- None required.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: .5 CFM / SF (min.)
- Air Circulation: .5 CFM / SF (min.)
- Summer Design Temp.: 78°F
- Winter Design Temp.: 68°F
- Controls: Individual direct digital controls
- Sound Criteria: 30 (NC/RC)
- Special Systems: 10 minute air exchange
- Plumbing: Hot & cold water hose bibb  
Floor drain  
Water, waste & venting

### Electrical

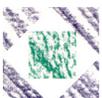
- Power: One duplex outlet every 10'-0" (min.)  
Connections to mechanical equipment
- Data: Data connection to DDC controls
- Phone: Minimum one
- Video: Rough-in for future capacity
- Intercom: Rough-in for future capacity

### Lighting

- Fixture Types: T-8 Fluorescent
- Task Light: None required
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment

- See Mechanical Systems section of this Program.



# INDIVIDUAL SPACE OUTLINE

## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Enclosed
- Number Required: 1
- Number Additional (expansion): 0
- Total Number: 1

### Net Area Summary

- Area (each): 300 sf
- Subtotal Required Area: 300 sf
- Subtotal Additional Area: 0 sf
- Total Area: 3100 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Facilities Staff

### Function / Tasks

- Provide central distribution for building electrical systems.

### Relationships

- Location: First Floor
- Adjacency: Stacked w/ electrical closets
- Proximity: Centrally located
- Separation: Quiet areas  
Main telecommunications room & closets

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Sealed concrete
- Walls: Ptd. gypsum board w/ plywood panels
- Ceiling: None required
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): N/A

### Doors

- Type: Painted hollow core metal
- Frame: Painted hollow metal
- Special: Double doors

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- None required.

### Furnishings

- None required.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: .5 CFM / SF (min.)
- Air Circulation: .5 CFM / SF (min.)
- Summer Design Temp.: 74°F
- Winter Design Temp.: 74°F
- Controls: Individual direct digital controls
- Sound Criteria: 30 (NC/RC)
- Special Systems: 5 minute air exchange
- Plumbing: None required

### Electrical

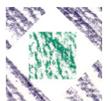
- Power: One duplex outlet every 10'-0" (min.)
- Data: One per wall (min.)
- Phone: Minimum one
- Video: Rough-in for future capacity
- Intercom: Rough-in for future capacity

### Lighting

- Fixture Types: T-8 Fluorescent
- Task Light: None required
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment

- See Electrical Systems section of this Program.



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Secure Computer Room
- Number Required: 1
- Number Additional: 0
- Total Number: 1

### Net Area Summary

- Area (each): 600 sf
- Subtotal Required Area: 600 sf
- Subtotal Additional Area: 0 sf
- Total Area: 600 sf

### Occupant Summary

- Occupants: 0
- Users: IT Staff

### Function / Tasks

- Provide a secure area for the campuses main computer servers.

### Relationships

- Location: Second Floor
- Adjacency: Centrally located
- Proximity: IT Staff Offices
- Separation: Main electrical room & closet

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Sealed concrete
- Walls: Painted gypsum board
- Ceiling: None required
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): N/A

### Doors

- Type: Painted hollow core metal
- Frame: Painted hollow metal
- Special: Double doors, electronic access locks

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- None required

### Furnishings

- None required

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: 20 CFM / Person (min.)
- Air Circulation: As required for cooling
- Air Conditioning: 100% - 24/7
- Summer Design Temp.: 70°F
- Winter Design Temp.: 70°F
- Controls: Individual direct digital controls
- Sound Criteria: ≤35 (NC/RC)
- Special Systems: Dedicated computer A/C unit  
50% Relative humidity,  
Pre-action fire sprinkling system
- Plumbing: None required

### Electrical

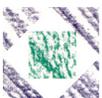
- Power: One duplex outlet every 10'-0"  
Two per wall (min.)  
Dedicated duplex receptacle per data rack  
Tied into emergency power system
- Data: Data head end equipment
- Phone: Minimum one  
D-mark for utility
- Video: Rough-in for future capacity
- Intercom: Ceiling speaker

### Lighting

- Fixture Types: Fluorescent electronic ballasts
- Task Light: None required
- Foot Candles: 50
- Controls: Occupancy sensor

### Equipment

- See Electrical Systems section of this Program.



# INDIVIDUAL SPACE OUTLINE

## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Enclosed
- Number Required: 1
- Number Additional (expansion): 0
- Total Number: 1

### Net Area Summary

- Area (each): 100 sf
- Subtotal Required Area: 100 sf
- Subtotal Additional Area: 0 sf
- Total Area: 100 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Facilities Staff

### Function / Tasks

- Accommodate elevator equipment.

### Relationships

- Location: First Floor
- Adjacency: Elevator shaft
- Proximity: Centrally located
- Separation: Quiet areas  
High traffic public areas

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Sealed concrete
- Walls: Painted gypsum board
- Ceiling: None required
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): N/A

### Doors

- Type: Painted hollow core metal
- Frame: Painted hollow metal
- Special: Double doors

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- None required.

### Furnishings

- None required.

### Space Notes

- There is to be nothing in this room except elevator related equipment, duct work & piping are not to be run through this room.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: .5 CFM / SF (min.)
- Air Circulation: .5 CFM / SF (min.)
- Summer Design Temp.: 74°F
- Winter Design Temp.: 74°F
- Controls: Individual direct digital controls
- Sound Criteria: 30 (NC/RC)
- Special Systems: 5 minute air exchange
- Plumbing: None required

### Electrical

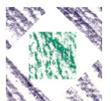
- Power: One GFCI duplex outlet per wall  
Connection to elevator equipment
- Data: Minimum one
- Phone: Minimum one
- Video: Rough-in for future capacity
- Intercom: Rough-in for future capacity

### Lighting

- Fixture Types: T-8 Fluorescent
- Task Light: None required
- Foot Candles: 30
- Controls: Occupancy sensor

### Equipment

- See Elevator Systems section of this Program.



# INDIVIDUAL SPACE OUTLINE



## GENERAL REQUIREMENTS

### Space Summary

• Space Type:	Enclosed
• Number Required:	2
• Number Additional (expansion):	0
• Total Number:	2

### Net Area Summary

• Area (each):	60 sf
• Subtotal Required Area:	120 sf
• Subtotal Additional Area:	0 sf
• Total Area:	120 sf

### Occupant Summary

• Assigned Occupants:	0
• Users:	Facilities Staff

### Function / Tasks

- Provide central distribution for building electrical.

### Relationships

• Location:	One on each floor, stacked
• Adjacency:	Main Electrical Room
• Proximity:	None required
• Separation:	Quiet areas Main telecommunications room & closets

## ARCHITECTURAL REQUIREMENTS

### Finishes

• Floor:	Sealed concrete
• Walls:	Ptd. gypsum board w/ plywood panels
• Ceiling:	None required
• Sound:	None required

### Ceiling Height

• Above Finish Floor (min.):	N/A
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### Doors

• Type:	Solid core wood w/ clear finish
• Frame:	Painted hollow metal
• Special:	None required

### Windows

• Natural Light:	Not required
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### Casework / Fixed Equipment

- None required.

### Furnishings

- None required.

## TECHNICAL REQUIREMENTS

### Mechanical

• Outdoor Air:	.5 CFM / SF (min.)
• Air Circulation:	.5 CFM / SF (min.)
• Summer Design Temp.:	74°F
• Winter Design Temp.:	74°F
• Controls:	Individual direct digital controls
• Sound Criteria:	30 (NC/RC)
• Special Systems:	10 minute air change
• Plumbing:	None required

### Electrical

• Power:	One duplex outlet per wall
• Data:	Rough-in for future capacity
• Phone:	Rough-in for future capacity
• Video:	Rough-in for future capacity
• Intercom:	Rough-in for future capacity

### Lighting

• Fixture Types:	T-8 Fluorescent
• Task Light:	None required
• Foot Candles:	40
• Controls:	Occupancy sensor

### Equipment

- See Electrical Systems section of this Program.



# INDIVIDUAL SPACE OUTLINE

## GENERAL REQUIREMENTS

### Space Summary

- Space Type: Enclosed
- Number Required: 2
- Number Additional (expansion): 0
- Total Number: 2

### Net Area Summary

- Area (each): 60 sf
- Subtotal Required Area: 120 sf
- Subtotal Additional Area: 0 sf
- Total Area: 120 sf

### Occupant Summary

- Assigned Occupants: 0
- Users: Facilities Staff

### Function / Tasks

- Provide central distribution for building telecommunications & data systems.

### Relationships

- Location: One on each floor, stacked
- Adjacency: Centrally located
- Proximity: None required
- Separation: Quiet areas  
Main electrical room & closets

## ARCHITECTURAL REQUIREMENTS

### Finishes

- Floor: Sealed concrete
- Walls: Ptd. gypsum board w/ plywood panels
- Ceiling: None required
- Sound: None required

### Ceiling Height

- Above Finish Floor (min.): N/A

### Doors

- Type: Solid core wood w/ clear finish
- Frame: Painted hollow metal
- Special: None required

### Windows

- Natural Light: Not required

### Casework / Fixed Equipment

- None required.

### Furnishings

- None required.

## TECHNICAL REQUIREMENTS

### Mechanical

- Outdoor Air: .5 CFM / SF (min.)
- Air Circulation: .5 CFM / SF (min.)
- Air Conditioning: 100% - 24/7
- Summer Design Temp.: 70°F
- Winter Design Temp.: 70°F
- Controls: Individual direct digital controls
- Sound Criteria: 30 (NC/RC)
- Special Systems: Dedicated computer A/C unit
- Plumbing: None required

### Electrical

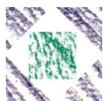
- Power: One duplex outlet per wall  
Dedicated duplex receptacle per data rack  
Tied into emergency power system
- Data: As required
- Phone: Minimum one
- Video: Rough-in for future capacity
- Intercom: Rough-in for future capacity

### Lighting

- Fixture Types: T-8 Fluorescent
- Task Light: None required
- Foot Candles: 40
- Controls: Occupancy sensor

### Equipment

- See Electrical Systems section of this Program.



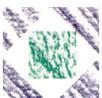
## AREA SUMMARY



<b>ADMINISTRATIVE SERVICES</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Presidents Office	1	250 sf	250 sf
President's Assistant Office	1	120 sf	120 sf
Marketing Office	1	150 sf	150 sf
Human Resource Staff Office	1	120 sf	120 sf
HR Staff Open Workstation	1	80 sf	80 sf
HR Secure File Storage	1	180 sf	180 sf
VP Student Services Office	1	180 sf	180 sf
Northstar Staff Office	1	120 sf	120 sf
Northstar Staff Open Workstation	1	80 sf	80 sf
VP Facilities Office	1	180 sf	180 sf
Operations Staff Workstation	1	80 sf	80 sf
Custom Training Staff Office	3	120 sf	360 sf
Apprenticeship Staff Office	1	120 sf	120 sf
Apprenticeship Staff Workstation	1	80 sf	80 sf
VP Instruction Office	1	180 sf	180 sf
Instruction Manager Office	1	150 sf	150 sf
Program Director Office	2	150 sf	300 sf
Program Staff Open Workstation	1	80 sf	80 sf
VP Finance (CFO) Office	1	180 sf	180 sf
Finance Manager Office	1	150 sf	150 sf

Purchasing Staff Workstations	2	80 sf	160 sf
Finance Secure File Storage	1	180 sf	180 sf
Board Room	1	900 sf	900 sf
Conference Room	1	450 sf	450 sf
Staff Work / Copy Room	1	300 sf	300 sf
Reception	1	100 sf	100 sf
Waiting Area	1	200 sf	200 sf
Information Kiosk	1	80 sf	80 sf
Staff Restrooms	2	120 sf	240 sf
<b>Administrative Services Total</b>			<b>5,750 sf</b>

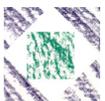
<b>BIOTECHNOLOGY PROGRAM</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Classroom	1	900 sf	900 sf
Instructional Lab	1	1,200 sf	1,200 sf
Lab Prep & Classroom Storage	1	380 sf	380 sf
Faculty Office	1	120 sf	120 sf
<b>Biotechnology Program Total</b>			<b>2,600 sf</b>



# AREA SUMMARY

<b>BOOKSTORE</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Bookstore Sales	1	600 sf	600 sf
Safe Room	1	100 sf	100 sf
Receiving & Storage	1	300 sf	300 sf
Future Expansion	1	900 sf	900 sf
<b>Bookstore Total</b>			<b>1,900 sf</b>

<b>COSMETOLOGY PROGRAM</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Classroom	2	900 sf	1,800 sf
Salon (30 Chairs)	1	1,800 sf	1,800 sf
Salon Shampoo Area	1	240 sf	240 sf
Salon Dryer Area	1	240 sf	240 sf
Salon Reception & Waiting Area	1	360 sf	360 sf
Salon Public Unisex Restroom	1	80 sf	80 sf
Salon Dispensing Room	1	300 sf	300 sf
Salon & Classroom Storage	1	240 sf	240 sf
Nail Salon	1	360 sf	360 sf
Pedicure Salon	1	210 sf	210 sf
Aesthetic Room	1	540 sf	540 sf
Faculty Office	2	120 sf	240 sf
<b>Cosmetology Program Total</b>			<b>6,410 sf</b>



## AREA SUMMARY



<b>CULINARY ARTS PROGRAM</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Classroom / Demo Classroom	2	900 sf	1,800 sf
Kitchen Spaces	1	3,000 sf	3,000 sf
Kitchen Storage	1	600 sf	600 sf
Dining Room	1	3,600 sf	3,600 sf
Faculty Office	2	120 sf	240 sf
<b><i>Culinary Arts Program Total</i></b>			<b><i>9,240 sf</i></b>

<b>DENTAL ASSISTANT PROGRAM</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Classroom	2	900 sf	1,800 sf
Instructional Lab	2	300 sf	600 sf
Classroom / Lab Storage	1	240 sf	240 sf
Clinic Reception & Waiting Area	1	150 sf	150 sf
Clinic Dental Chair Area	8	80 sf	640 sf
Clinic X-Ray Chair & Panograph	4	90 sf	360 sf
Instrument Sterilization Room	1	250 sf	250 sf
Faculty Office	2	120 sf	240 sf
<b><i>Dental Assistant Program Total</i></b>			<b><i>4,280 sf</i></b>

<b>DENTAL OFFICE ADMINISTRATION PROGRAM</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Classroom	1	900 sf	900 sf
Instructional Lab	1	600 sf	600 sf
Simulation Lab	1	300 sf	300 sf
Classroom / Lab Storage	1	240 sf	240 sf
Faculty Office	1	120 sf	120 sf
<b><i>Combined W/ Medical Office Administration Program</i></b>			

<b>EMERGENCY MEDICAL TECHNICIAN PROGRAM</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Classroom	1	900 sf	900 sf
Performance / Simulation Lab	1	900 sf	900 sf
Classroom / Lab Storage	1	240 sf	240 sf
Performance Room	4	150 sf	600 sf
Faculty Office	1	120 sf	120 sf
<b><i>Emergency Medical Technician Program Total</i></b>			<b><i>2,760 sf</i></b>

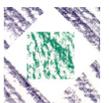
# AREA SUMMARY

<b>IT SERVICES</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Staff Office	2	120 sf	240 sf
Work / Storage Room	1	360 sf	360 sf
<b>IT Services Total</b>			<b>600 sf</b>

<b>MEDICAL ASSISTANT PROGRAM</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Classroom	1	900 sf	900 sf
Instructional Lab	1	600 sf	600 sf
Exam Room	1	150 sf	150 sf
Unisex Lab Restroom	1	80 sf	80 sf
Classroom / Lab Storage	1	240 sf	240 sf
Faculty Office	1	120 sf	120 sf
<b>Medical Assistant Total</b>			<b>2,090 sf</b>

<b>MEDICAL BILLING &amp; CODING PROGRAM</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Classroom	1	900 sf	900 sf
Instructional Lab	1	600 sf	600 sf
Simulation Lab	1	300 sf	300 sf
Classroom / Lab Storage	1	240 sf	240 sf
Faculty Office	1	120 sf	120 sf
<b>Combined W/ Medical Office Administration Program</b>			

<b>MEDICAL OFFICE ADMINISTRATION PROGRAM</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Classroom	1	900 sf	900 sf
Instructional Lab	1	600 sf	600 sf
Simulation Lab	1	300 sf	300 sf
Classroom / Lab Storage	1	240 sf	240 sf
Faculty Office	1	120 sf	120 sf
<b>Medical Office Administration Program Total</b>			<b>2,160 sf</b>



# AREA SUMMARY



<b>MEDICAL TRANSCRIPTION PROGRAM</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Classroom	1	900 sf	900 sf
Instructional Lab	1	600 sf	600 sf
Simulation Lab	1	300 sf	300 sf
Classroom / Lab Storage	1	240 sf	240 sf
Faculty Office	1	120 sf	120 sf
<b>Combined W/ Medical Office Administration Program</b>			

<b>NURSING PROGRAMS</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Classroom	2	900 sf	1,800 sf
Patient Bed Lab (6 beds)	1	1,200 sf	1,200 sf
Patient Restroom Lab	1	80 sf	80 sf
Simulation Lab	1	150 sf	150 sf
Classroom / Lab Storage	1	240 sf	240 sf
Faculty Office	2	120 sf	240 sf
<b>Nursing Program Total</b>			<b>3,710 sf</b>

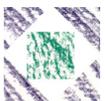
<b>PHARMACY TECHNICIAN PROGRAM</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Classroom	1	900 sf	900 sf
Dispensing Lab	1	540 sf	540 sf
Classroom / Lab Storage	1	240 sf	240 sf
Faculty Office	1	120 sf	120 sf
<b>Pharmacy Technician Program Total</b>			<b>1,800 sf</b>

<b>PHYSICAL THERAPY AIDE PROGRAM</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Classroom	1	900 sf	900 sf
Treatment Lab	1	670 sf	670 sf
Exam Room	1	150 sf	150 sf
Patient Restroom	1	80 sf	80 sf
Classroom / Lab Storage	1	240 sf	240 sf
Faculty Office	1	120 sf	120 sf
<b>Physical Therapy Aide Program Total</b>			<b>2,160 sf</b>

# AREA SUMMARY

<b>STUDENT RESOURCES</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Custom Fit Training Room	1	1,800 sf	1,800 sf
CDL Classroom	1	900 sf	900 sf
Computer Lab	1	900 sf	900 sf
Resource Center	1	900 sf	900 sf
Faculty Open Office (4 Stations)	2	600 sf	1,200 sf
<b><i>Student Resources Total</i></b>			<b><i>5,700 sf</i></b>

<b>STUDENT SERVICES</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Service Counter (3 Stations)	3	60 sf	180 sf
Manager Office	1	150 sf	150 sf
Staff Open Workstation	5	80 sf	400 sf
Secure Record Storage	1	200 sf	200 sf
Student ID Prep Area	1	50 sf	50 sf
Online Registration Kiosk	1	20 sf	20 sf
Counselor Office	2	150 sf	300 sf
Counselor Staff Open Workstation	1	80 sf	80 sf
Financial Aid Staff Office	1	150 sf	150 sf
Financial Aid Staff Workstation	1	80 sf	80 sf
<b><i>Student Services Total</i></b>			<b><i>1,610 sf</i></b>



<b>TESTING CENTER</b>			
<i>Space Description</i>	<i>Quantity</i>	<i>Size</i>	<i>Total Area</i>
Directors Office	1	150 sf	150 sf
Reception / Sign-In / Waiting	1	360 sf	360 sf
Computer Testing Room	1	900 sf	900 sf
Testing Room	2	530 sf	1,060 sf
Locker Area	1	60 sf	60 sf
Storage Room	1	100 sf	100 sf
<b>Testing Center Total</b>			<b>2,630 sf</b>

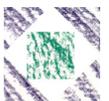
<b>PROGRAM AREA SUMMARY</b>	
<i>Program Name</i>	<i>Program Area</i>
Administrative Services	5,750 sf
Biotechnology	2,600 sf
Bookstore	1,900 sf
Cosmetology	6,410 sf
Culinary Arts	9,240 sf
Dental Assistant	4,280 sf
Dental Office Administration	combined w/ MOA
Emergency Medical Technician	2,760 sf
IT Services	600 sf
Medical Assistant	2,090 sf
Medical Billing & Coding	combined w/ MOA
Medical Office Administration	2,160 sf
Medical Transcription	combined w/ MOA
Nursing	3,710 sf
Pharmacy Technician	1,800 sf
Physical Therapy Aide	2,160 sf
Student Resources	5,700 sf
Student Services	1,610 sf
Testing Center	2,630 sf
<b>Total Area of Programs</b>	
<b>55,400 sf</b>	

### BUILDING SUPPORT SPACES

Space Description	Quantity	Size	Total Area
Public Restrooms	4	300 sf	1,200 sf
Open Vending Area	2	130 sf	260 sf
Custodial Closet	2	80 sf	160 sf
Mechanical Room	1	±5% of NSF	2,400 sf
Electrical Room	1	300 sf	300 sf
Main Server Room	1	600 sf	600 sf
Elevator Equipment Room	1	100 sf	100 sf
Electrical Closet	2	60 sf	120 sf
Telecommunications Closet	2	60 sf	120 sf
<b>Building Support Spaces Total</b>			<b>5,260 sf</b>

### BUILDING AREA SUMMARY

<b>Building NSF Total</b>	<b>55,400 sf</b>
Building Support Total	5,260 sf
Circulation, Access, Exterior Walls (±30% of NSF)	14,670 sf
<b>Subtotal</b>	<b>19,930 sf</b>
<b>Building GSF Total</b>	<b>75,330 sf</b>





**CONSTRUCTION COST SUMMARY**

**Site Construction Cost Summary**

Site Costs			\$912,667
		<b>Subtotal</b>	<b>\$912,667</b>
General Conditions	5%		\$45,633
Overhead & Profit	7%		\$63,887
Bonds	1%		\$9,127
		<b>Subtotal</b>	<b>\$118,647</b>
<b>Site Construction Cost</b>		<b>Total</b>	<b>\$1,031,314</b>

**Building Construction Cost Summary**

Architectural Costs			\$7,161,245
Structural Costs			\$1,407,362
Mechanical Costs			\$2,876,079
Electrical Costs			\$1,763,995
		<b>Subtotal</b>	<b>\$13,208,681</b>
General Conditions	5%		\$660,434
Overhead & Profit	7%		\$924,608
Bonds	1%		\$132,087
		<b>Subtotal</b>	<b>\$1,717,129</b>
<b>Building Construction Cost</b>		<b>Total</b>	<b>\$14,925,810</b>

**TOTAL CONSTRUCTION COST = \$15,957,124**  
**CONSTRUCTION COST PER SQUARE FOOT = \$212**



