

BROADDUS PLANNING

UT Rio Grande Valley

Campus Space Standards

Final Document

3/12/2019



UT Rio Grande Valley

Campus Space Standards

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UT Rio Grande Valley

Campus Space Standards

Overview

The purpose of this *Campus Space Standards* document is to provide consistent guidelines for space allocation across the entire UTRGV system in Edinburg, Harlingen, and Brownsville as well as in any other locations with university-based space needs. These metrics will be used to evaluate equitable space at the departmental, college, administrative, and campus-wide scale and will be provided to all design and planning teams for use in defining space needs for all renovations and expansions within the UTRGV system.

These Guidelines have been developed by the UTRGV Office of Facilities Planning & Construction with assistance by Broaddus Planning. While inclusive of a wide variety of functional spaces, these guidelines are not an exhaustive listing, but are intended to address the most common types of spaces that will be encountered. They do represent an intent that should be able to be interpolated for other areas that may not be included within this document.

It is also noted that there may be unique circumstances that may require some flexibility in the application and it is acknowledged that existing spaces prior to this document were not designed to comply with these standards. In both of these instances, customized application of the guidelines is anticipated.

This tool will be used as a means to assist in accounting for space utilization and will provide a means for the periodic review of how well the facilities on the campuses are meeting the university objectives and mission. This will also establish an ability for UTRGV to use these standards for comparative space usage with other peer institutions within the UT System and those outside of UT.

Other reference standards that were used in the preparation of these standards include: UTRGV Audiovisual Enterprise Standards, Infrastructure Requirements February 1, 2018

These guidelines were prepared recognizing the Texas Higher Education Coordinating Board standards and benchmarks as well as comparison to other university systems space standards throughout the country.





Classroom Spaces

Flexible Flat Floor Classroom 32/48/60

Computer Ready Classroom 32/48/60

Flexible Interactive Classroom

Tiered Floor Classroom

Auditorium Classroom

Distance ITV Learning Classroom



Instructional Spaces

Flexible Flat Floor Classroom – 32 Students

DATA

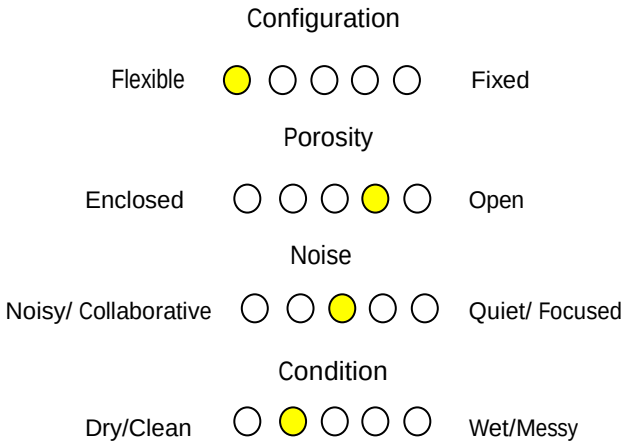
ASF Per Seat: 28.0 **Room Sizes**: 900 NSF

Room Occupancy: 32 **Maximum Occupancy:** 60 **Required Adjacencies:** Other Classrooms

DESCRIPTION

Flexible Flat Floor Classroom for active learning and student collaboration. Movable tables and chairs allow for reconfiguration. Movable faculty smart desk/lectern with computer and document reader.

QUALITIES



EQUIPMENT & FURNITURE

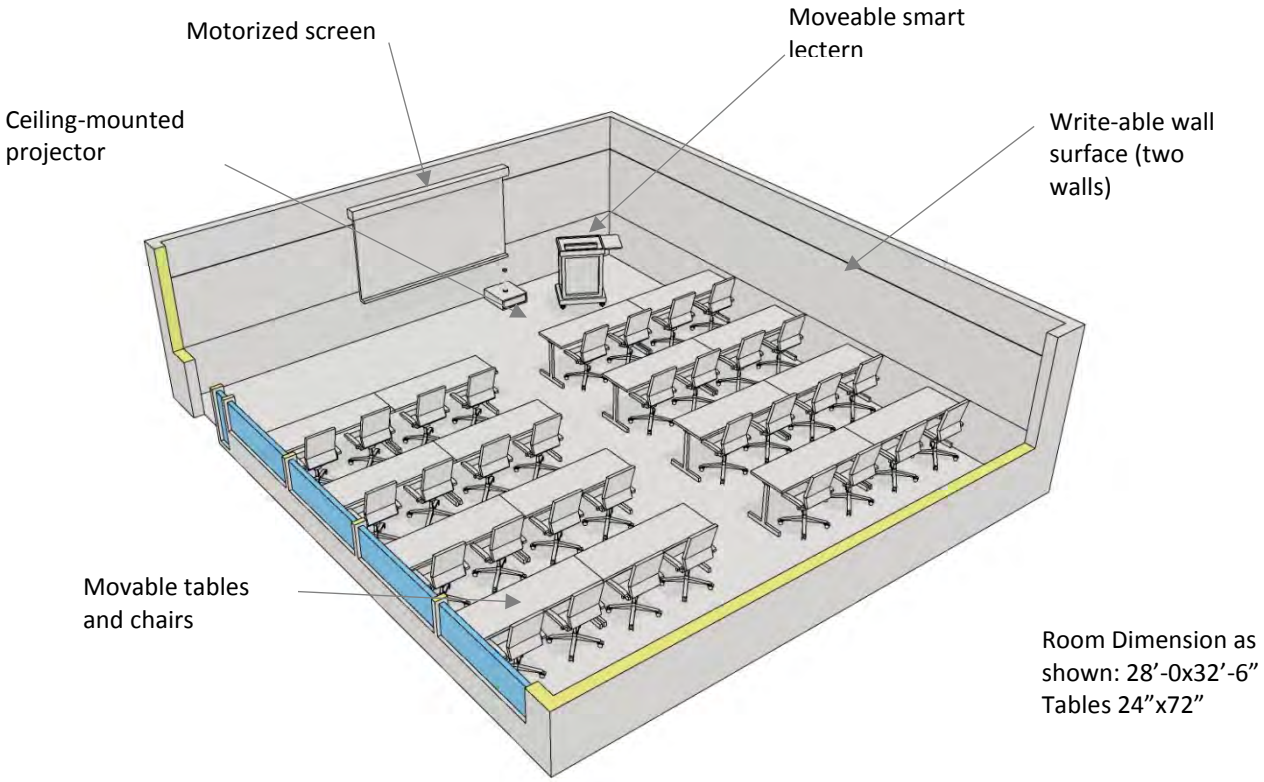
- Contractor Supplied & Installed Equipment
  - Window shades as required, projector mount, motorized screen (ceiling-mounted), 4’ write-able wall covering surface, with magnetic top rail and reveal at the top and bottom (min. 2 walls).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Ceiling-mounted projector, computer, document viewer.
- Owner Supplied & Installed Furniture
  - Moveable stacking chairs, movable pivot top nesting tables, smart desk/lectern.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical treatment.
  - Wall: Combination of painted gypsum wall board, acoustical treatment, and dry erase surfaces.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: Rubber.
  - Door: 3’-0” wood door(s), vision panel, lever handle, 12” sidelight; access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Ceiling-mounted quad outlet at projectors, floor-mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, floor-mounted outlets at regular intervals.
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: 30-50 foot-candles, general LED indirect with dimmable direct at select locations, shades as required, lighting at presentation wall to be switched separately.
- AV Capabilities
  - Microphone (wireless), advanced speaker system (ceiling mounted), ceiling mounted projectors, motorized screen, smart desk/lectern, computer, document viewer, 65” monitor.

Flexible Flat Floor Classroom – 32 Students

ROOM DIAGRAM



EXAMPLE IMAGES





Flexible Flat Floor Classroom – 48 Students

DATA

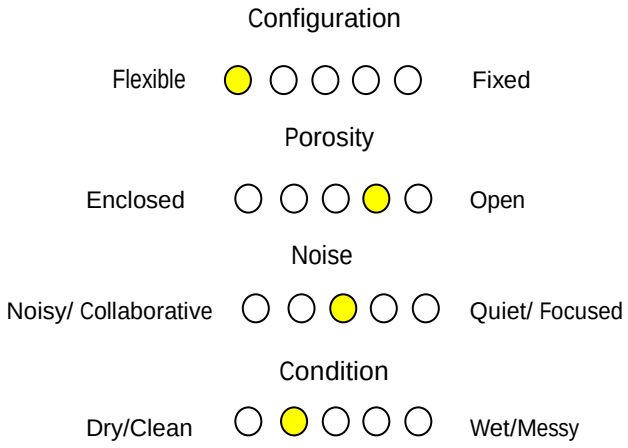
ASF Per Seat: 28.0 **Room Sizes**: 1350 NSF

Room Occupancy: 48 **Maximum Occupancy:** 48 **Required Adjacencies:** Other Classrooms

DESCRIPTION

Flexible Flat Floor Classroom for active learning and student collaboration. Movable tables and chairs allow for reconfiguration. Movable faculty smart desk/lectern with computer and document reader.

QUALITIES



EQUIPMENT & FURNITURE

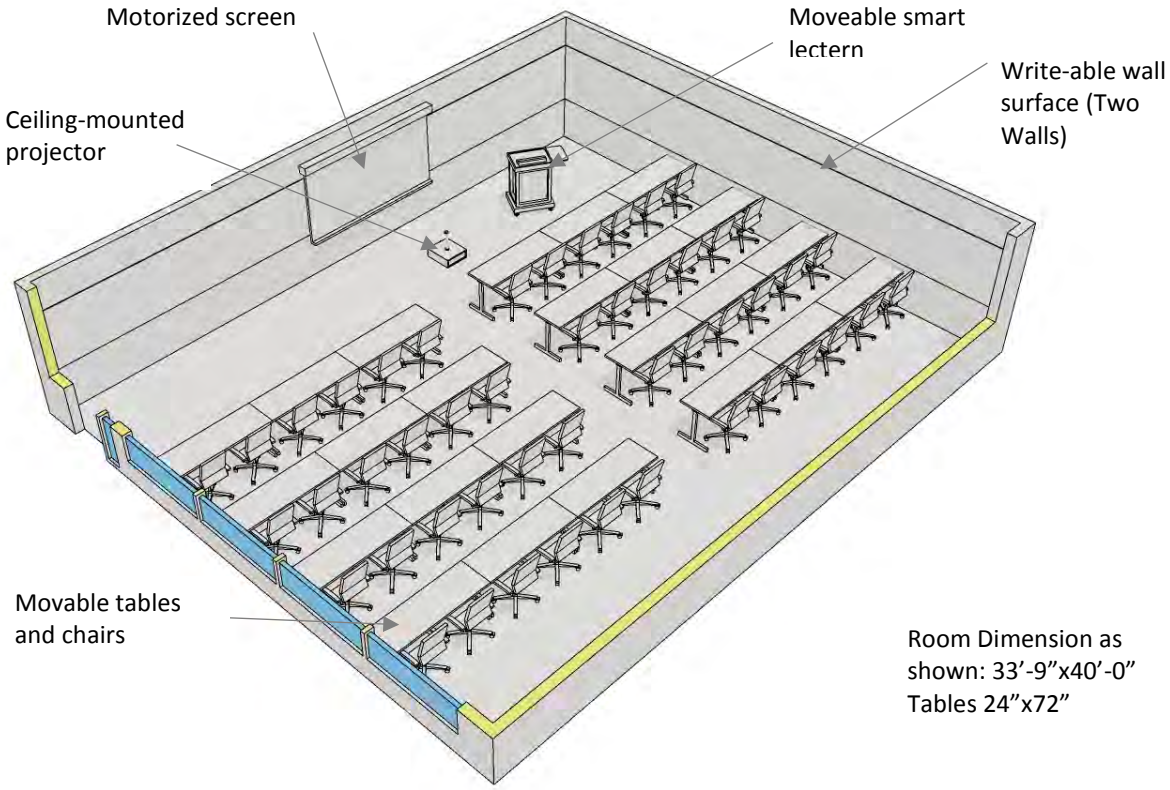
- Contractor Supplied & Installed Equipment
  - Window shades as required, projector mount, motorized screen (ceiling- mounted), 4’ write-able wall covering surface, with magnetic top rail and reveal at the top and bottom (min. 2 walls).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Ceiling-mounted projector, computer, document viewer.
- Owner Supplied & Installed Furniture
  - Moveable stacking chairs, movable pivot top nesting tables, smart desk/lectern.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical treatment.
  - Wall: Combination of painted gypsum wall board, acoustical treatment, and dry erase surfaces.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: Rubber.
  - Door: 3’-0” wood door(s), vision panel, lever handle, 12” sidelight; access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Ceiling-mounted quad outlet at projectors, floor-mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, floor-mounted outlets at regular intervals.
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: 30-50 foot-candles, general LED indirect with dimmable direct at select locations, shades as required, lighting at presentation wall to be switched separately.
- AV Capabilities
  - Microphone (wireless), advanced speaker system (ceiling mounted), ceiling mounted projectors, motorized screen, smart desk/lectern, computer, document viewer, 65” monitor.

Flexible Flat Floor Classroom – 48 Students

ROOM DIAGRAM



EXAMPLE IMAGES





Instructional Spaces

Flexible Flat Floor Classroom – 60 Students

DATA

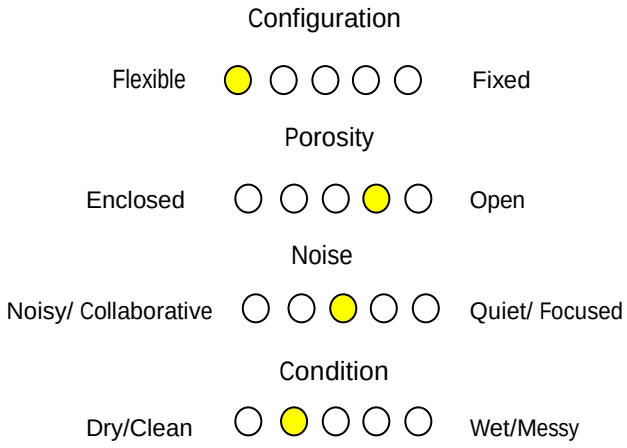
ASF Per Seat: 28.0 **Room Sizes**: 1680 NSF

Room Occupancy: 60 **Maximum Occupancy:** 60 **Required Adjacencies:** Other Classrooms

DESCRIPTION

Flexible Flat Floor Classroom for active learning and student collaboration. Movable tables and chairs allow for reconfiguration. Movable faculty smart desk/lectern with computer and document reader.

QUALITIES



EQUIPMENT & FURNITURE

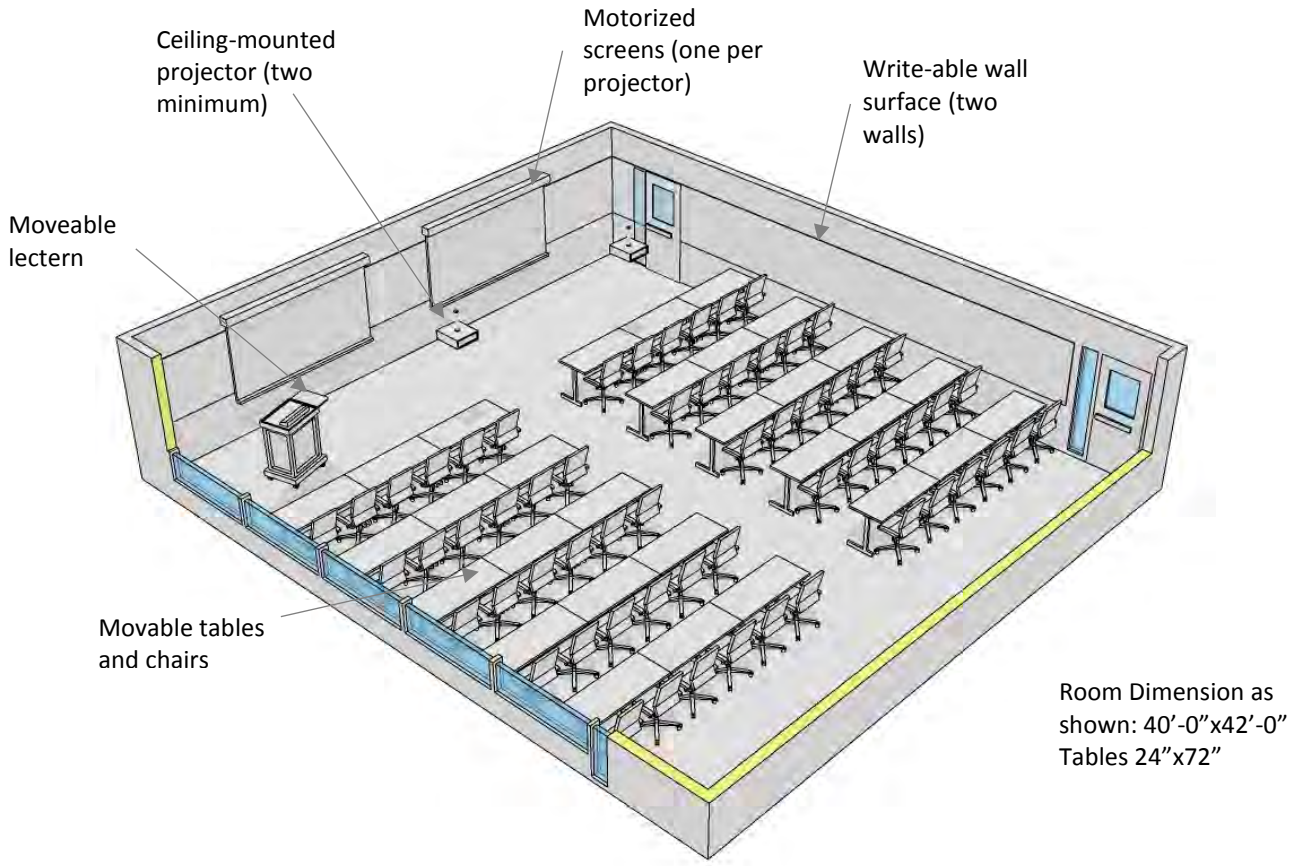
- Contractor Supplied & Installed Equipment
  - Window shades as required, projector mount, motorized screen (ceiling-mounted), 4’ write-able wall covering surface, with magnetic top rail and reveal at the top and bottom (min. 2 walls).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Ceiling-mounted projector(s) the number of projectors dependent on sightlines, computer, document viewer.
- Owner Supplied & Installed Furniture
  - Moveable stacking chairs, movable pivot top nesting tables, smart desk/lectern.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical treatment.
  - Wall: Combination of painted gypsum wall board, acoustical treatment, and dry erase surfaces.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: Rubber.
  - Door: 3’-0” wood door(s), vision panel, lever handle, 12” sidelight; access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Ceiling-mounted quad outlet at projectors, floor-mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, floor-mounted outlets at regular intervals.
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: 30-50 foot-candles, general LED indirect with dimmable direct at select locations, shades as required, lighting at presentation wall to be switched separately.
- AV Capabilities
  - Microphone (wireless), advanced speaker system (ceiling mounted), ceiling mounted projectors, motorized screen, smart desk/lectern, computer, document viewer, 65” monitor.

Flexible Flat Floor Classroom – 60 Students

ROOM DIAGRAM



EXAMPLE IMAGES





Computer Ready Flexible Flat Floor Classroom- 32 Students

DATA

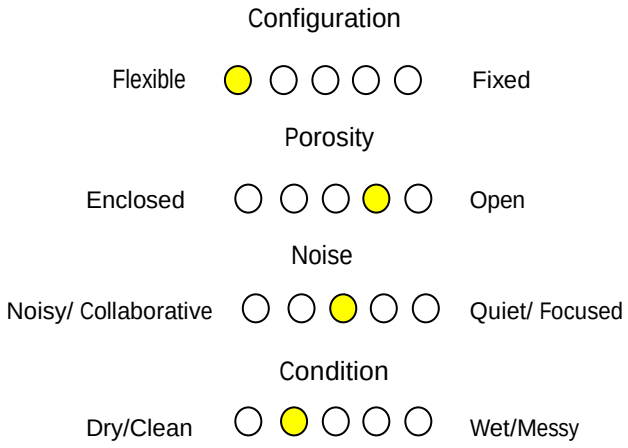
ASF Per Seat: 28.0 **Room Sizes**: Range from 900 NSF to 1,680 NSF

Room Occupancy: 32/48/60 **Maximum Occupancy:** 60 **Required Adjacencies:** Other Classrooms

DESCRIPTION

Flexible Flat Floor Classroom for active learning and student collaboration. Movable tables and chairs allow for reconfiguration. Faculty smart table/lectern with document reader is movable.

QUALITIES



EQUIPMENT & FURNITURE

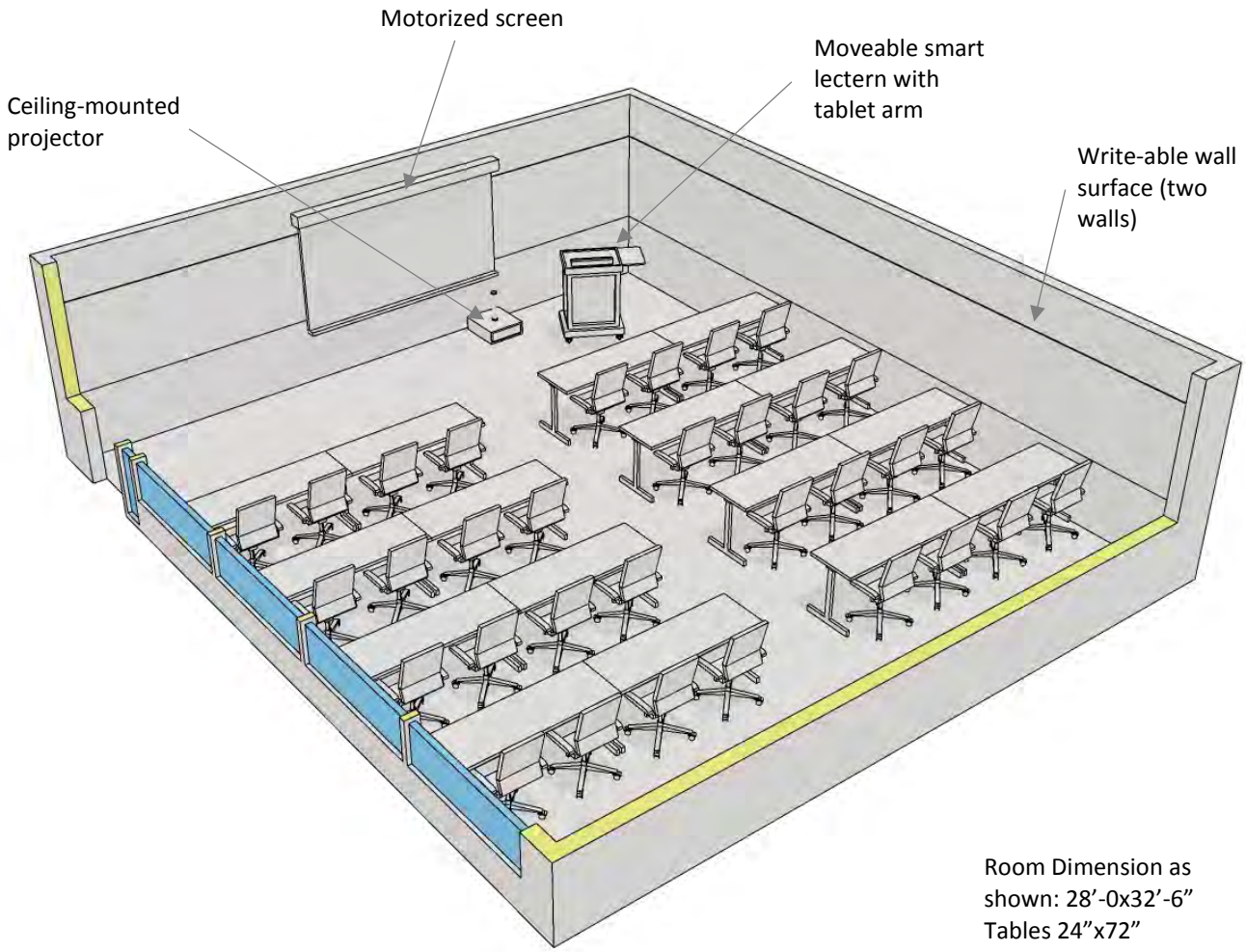
- Contractor Supplied and Installed Equipment
  - Window shades as required, projector mount, motorized screen (ceiling-mounted), 4’ write-able wall covering, with magnetic top rail and reveal around perimeter (min. 2 walls).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied and Installed Equipment
  - Ceiling-mounted projector, computer, document viewer.
- Owner Supplied and Installed Furniture
  - Moveable stacking chairs, movable pivot top nesting tables with power and data chases, smart desk/lectern.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical Treatment
  - Wall: Combination of painted gypsum wall board, acoustical treatment, and dry erase surfaces.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: Rubber.
  - Door: 3’-0” wood door(s), vision panel, lever handle, 12” sidelight; access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Ceiling-mounted quad outlet at projectors, floor-mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, floor-mounted outlets at regular intervals.
  - Data: Wireless connectivity throughout, hardwire power and data at lectern, data outlets at regular intervals around the room.
  - Lighting: 30-50 foot-candles, general LED indirect with dimmable direct at select locations, shades as required, lighting at presentation wall to be switched separately.
- AV Capabilities
  - Microphone (wireless), advanced speaker system (ceiling mounted), ceiling mounted projectors, motorized screen, smart desk/lectern, computer, document viewer, 65” monitor.

Computer Ready Flexible Flat Floor Classroom- 32 Students

ROOM DIAGRAM



EXAMPLE IMAGES





Instructional Spaces

Computer Ready Flexible Flat Floor Classroom- 48 Students

DATA

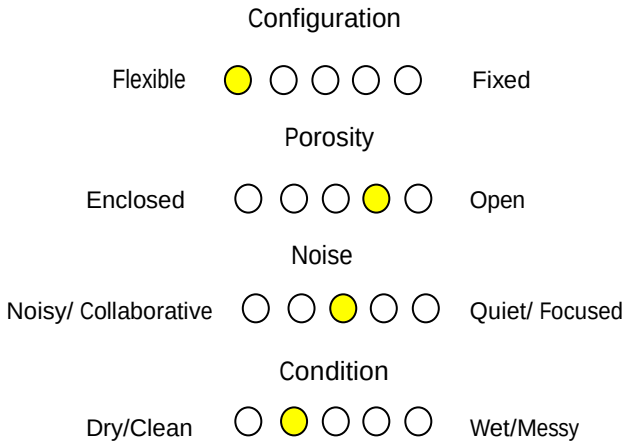
ASF Per Seat: 28.0 **Room Sizes**: 1350 NSF

Room Occupancy: 48 **Maximum Occupancy:** 48 **Required Adjacencies:** Other Classrooms

DESCRIPTION

Flexible Flat Floor Classroom for active learning and student collaboration. Movable tables and chairs allow for reconfiguration. Movable faculty smart desk/lectern with computer and document reader.

QUALITIES



EQUIPMENT & FURNITURE

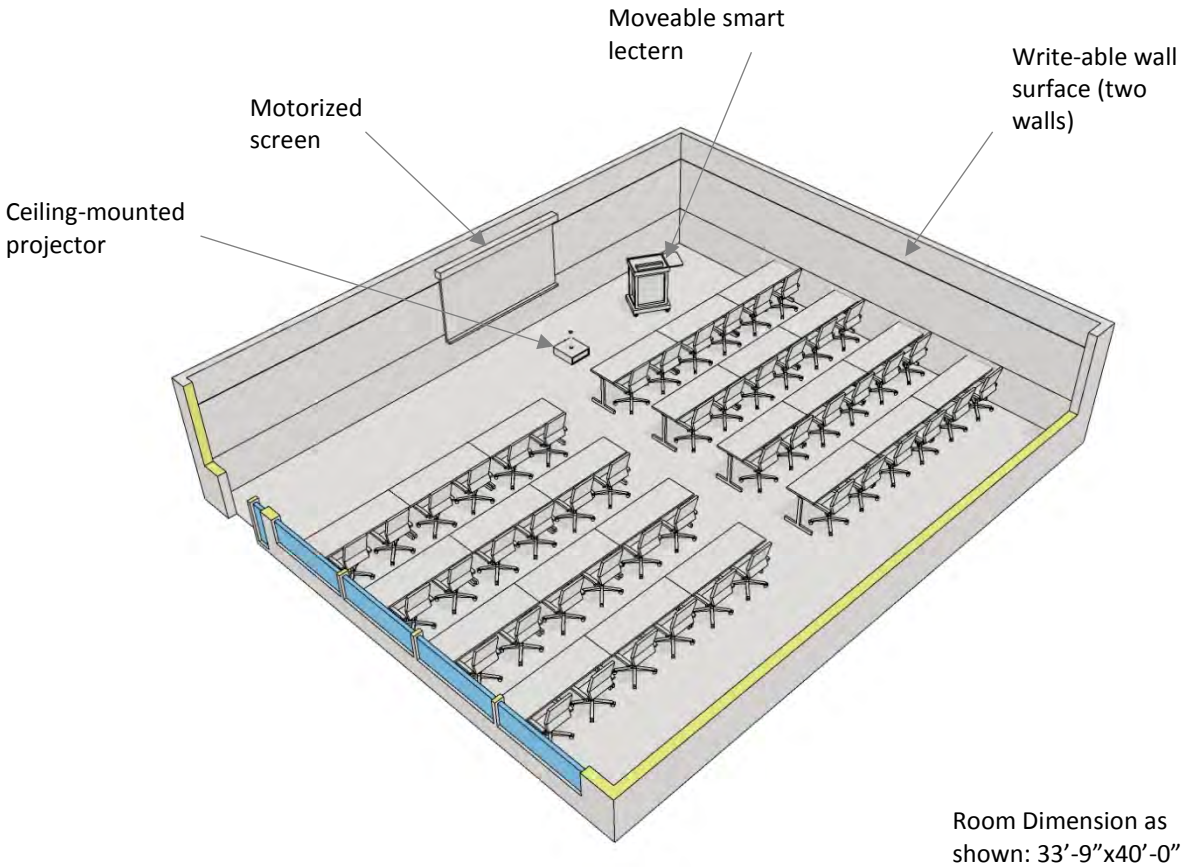
- Contractor Supplied and Installed Equipment
  - Window shades as required, projector mount, motorized screen (ceiling-mounted), 4’ write-able wall covering, with magnetic top rail and reveal around perimeter (min. 2 walls).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied and Installed Equipment
  - Ceiling-mounted projector, smart desk/lectern with computer, document viewer.
- Owner Supplied and Installed Furniture
  - Moveable stacking chairs, movable pivot top nesting tables with power and data chases, smart desk/lectern.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical treatment.
  - Wall: Combination of painted gypsum wall board, acoustical treatment, and dry erase surfaces.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: Rubber.
  - Door: 3’-0” wood door(s), vision panel, lever handle, 12” sidelight; access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Ceiling-mounted quad outlet at projectors, floor-mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, floor-mounted outlets at regular intervals.
  - Data: Wireless connectivity throughout, hardwire power and data at lectern, data outlets at regular intervals around the room.
  - Lighting: 30-50 foot-candles, general LED indirect with dimmable direct at select locations, shades as required, lighting at presentation wall to be switched separately.
- AV Capabilities
  - Microphone (wireless), advanced speaker system (ceiling mounted), ceiling mounted projectors, motorized screen, smart desk/lectern, computer, document viewer, 65” monitor.

Computer Ready Flexible Flat Floor Classroom- 48 Students

ROOM DIAGRAM



Room Dimension as shown: 33’-9”x40’-0”
Tables 24”x72”

EXAMPLE IMAGES





Instructional Spaces

Computer Ready Flexible Flat Floor Classroom- 60 Students

DATA

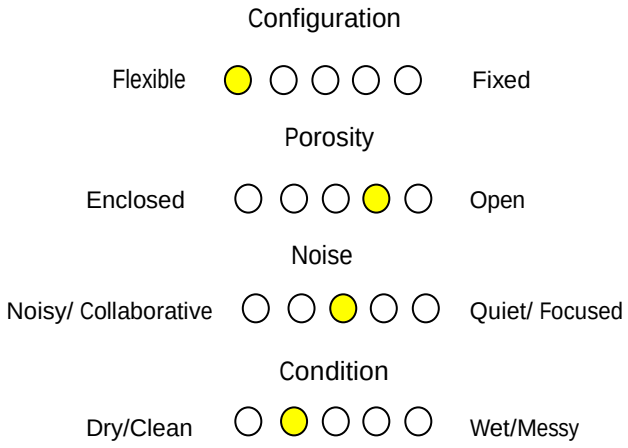
ASF Per Seat: 28.0 **Room Sizes**: 1680 NSF

Room Occupancy: 60 **Maximum Occupancy:** 60 **Required Adjacencies:** Other Classrooms

DESCRIPTION

Flexible Flat Floor Classroom for active learning and student collaboration. Movable tables and chairs allow for reconfiguration. Movable faculty smart desk/lectern with computer and document reader.

QUALITIES



EQUIPMENT & FURNITURE

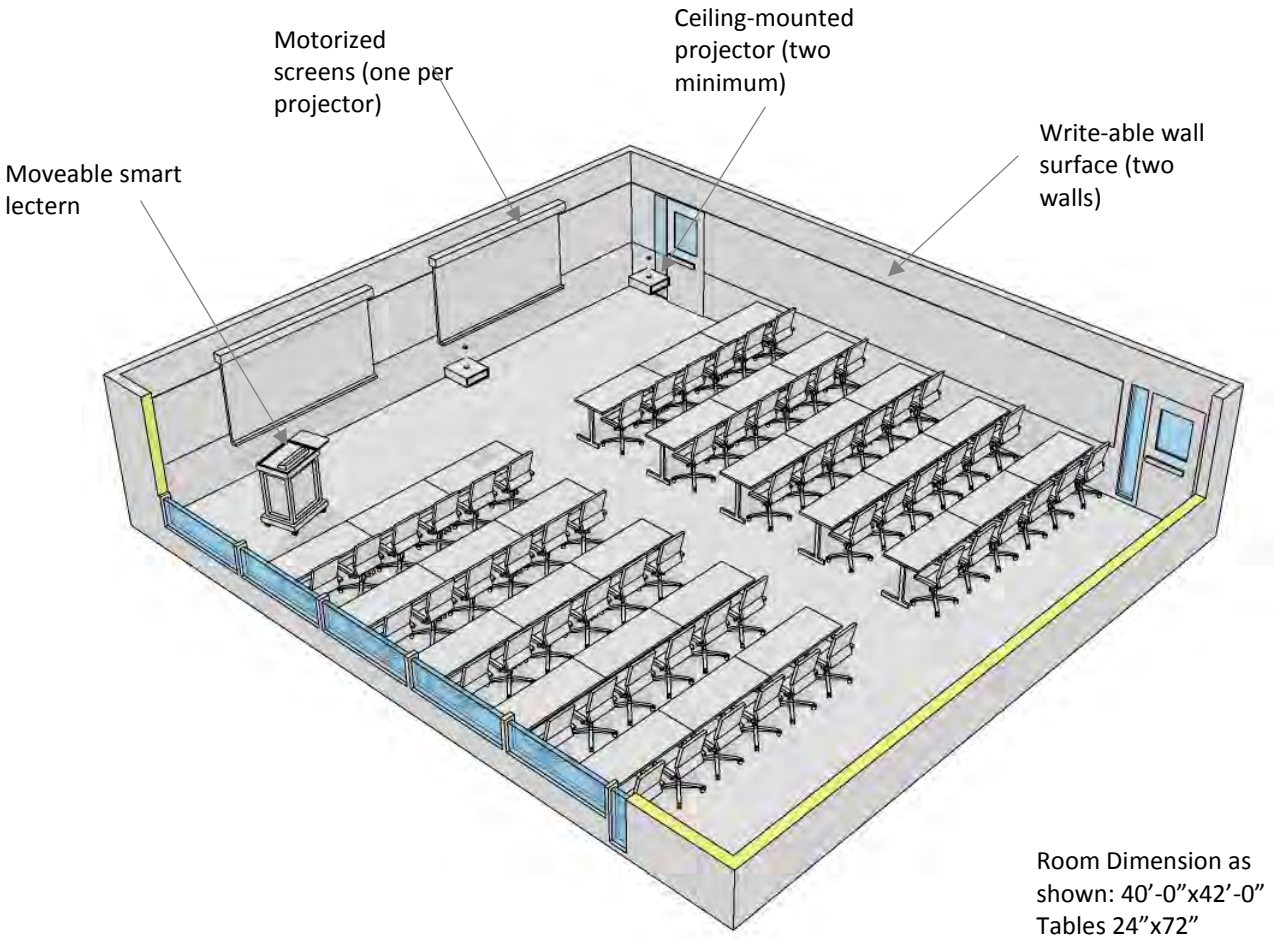
- Contractor Supplied and Installed Equipment
  - Window shades as required, projector mount, motorized screen (ceiling-mounted), 4’ write-able wall covering, with magnetic top rail and reveal around perimeter (min. 2 walls).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied and Installed Equipment
  - Ceiling-mounted projector(s) the number of projectors dependent on sightlines computer, document viewer.
- Owner Supplied and Installed Furniture
  - Moveable stacking chairs, movable pivot top nesting tables with power and data chases, smart desk/lectern.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical treatment.
  - Wall: Combination of painted gypsum wall board, acoustical treatment, and dry erase surfaces.
  - Floor: Luxury vinyl tile (LVT)
  - Base Material: Rubber
  - Door: 3’-0” wood door(s), vision panel, lever handle, 12” sidelight; access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Ceiling-mounted quad outlet at projectors, floor-mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, floor-mounted outlets at regular intervals.
  - Data: Wireless connectivity throughout, hardwire power and data at lectern, data outlets at regular intervals around the room.
  - Lighting: 30-50 foot-candles, general LED indirect with dimmable direct at select locations, shades as required, lighting at presentation wall to be switched separately.
- AV Capabilities
  - Microphone (wireless), advanced speaker system (ceiling mounted), ceiling mounted projectors, motorized screen, smart desk/lectern, computer, document viewer, 65” monitor.

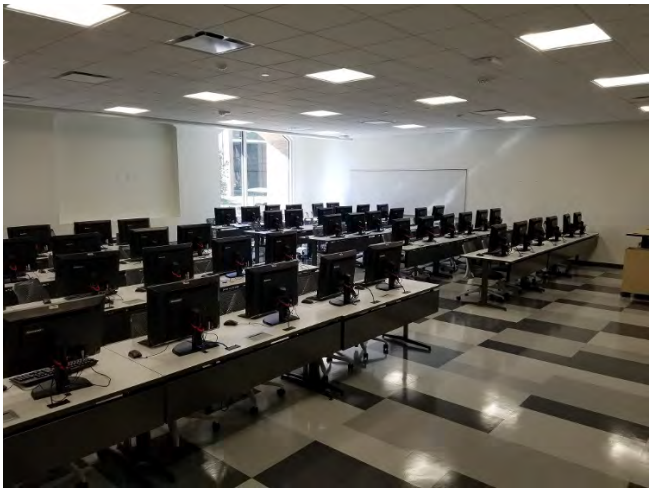
Computer Ready Flexible Flat Floor Classroom- 60 Students

ROOM DIAGRAM



Room Dimension as shown: 40’-0”x42’-0”
Tables 24”x72”

EXAMPLE IMAGES





Flexible Interactive Classroom

DATA

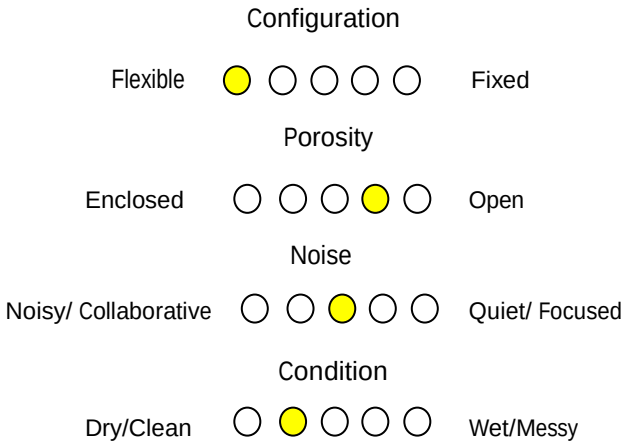
ASF Per Seat: 28.0 **Room Sizes**: Range from 900 NSF

Room Occupancy: 32 **Maximum Occupancy:** 32 **Required Adjacencies:** Other Classrooms

DESCRIPTION

Interactive Classroom for active learning and student collaboration. Full AV capabilities for interactive connectivity. Movable tables and chairs allows for reconfiguration. Group smart tables have central power connections and connectivity to wall-mounted LCD monitor with ability to cast media to monitor. Faculty lectern is movable, with an intention that teaching will be dynamic through discussion with individual groups.

QUALITIES



EQUIPMENT & FURNITURE

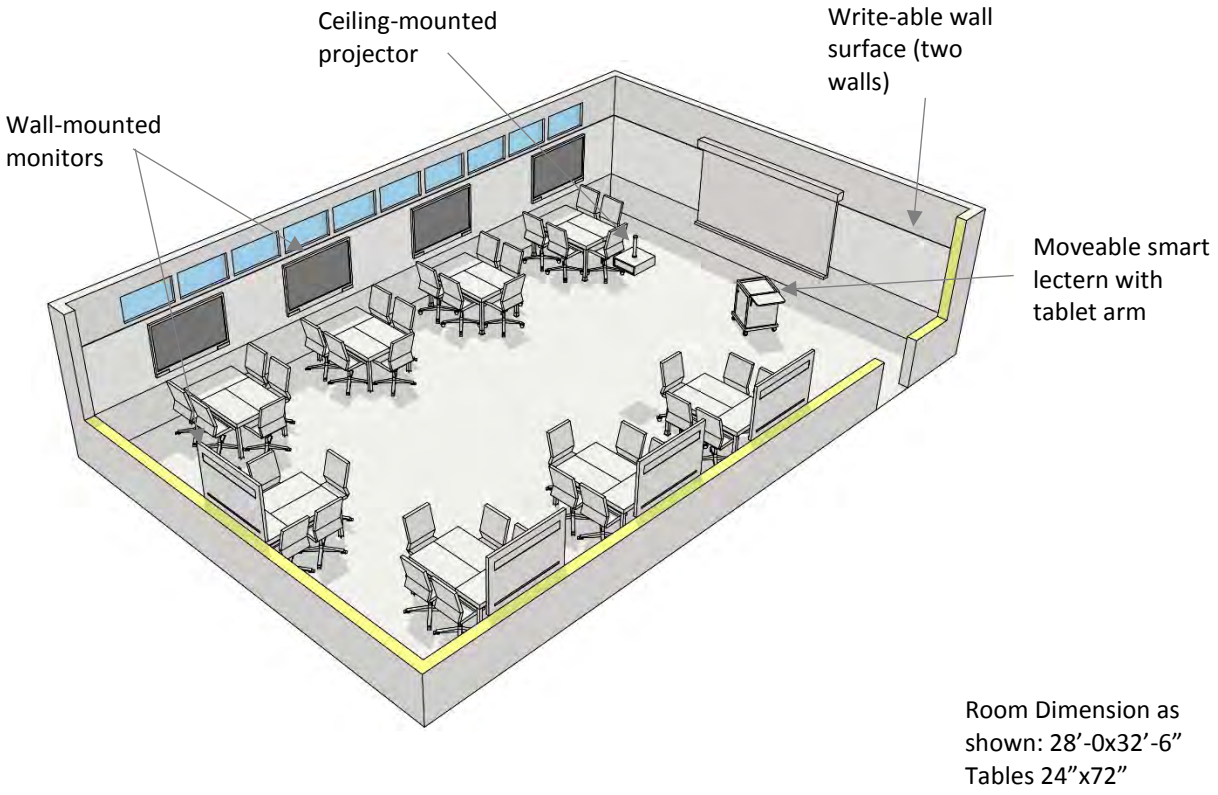
- Contractor Supplied and Installed Equipment
  - Window shades as required, all mountings, motorized screen (ceiling-mounted), microphone, speakers, 4’ write-able wall covering surface, with magnetic top rail and reveal at the top and bottom (min. 2 walls).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied and Installed Equipment
  - Projector, large format, wall-mounted monitors (8x), computer, document viewer.
- Owner Supplied and Installed Furniture
  - Moveable stacking chairs, movable pivot top nesting tables with power and data chases, smart desk/lectern.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical treatment.
  - Wall: Combination of painted gypsum wall board, acoustical treatment, and dry erase surfaces.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: Rubber.
  - Door: 3’-0” wood door(s), vision panel, lever handle, 12” sidelight; access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Ceiling-mounted quad outlet at projectors, floor-mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, floor mounted outlets at regular intervals; power and USB port access at tables (1 each per seat).
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: 30-50 foot-candles, general LED indirect with dimmable direct at select locations, shades as required, lighting at presentation wall to be switched separately.
- AV Capabilities
  - Microphone (wireless), advanced speaker system (ceiling mounted), ceiling mounted projectors, motorized screen, smart desk/lectern, computer, document viewer, 65” monitors.

Flexible Interactive Classroom

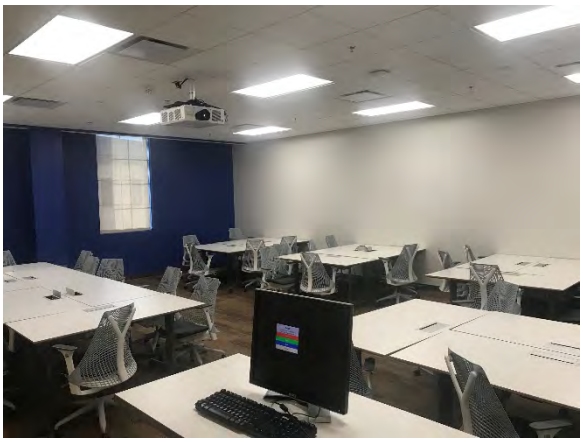
ROOM DIAGRAM



Room Dimension as shown: 28’-0x32’-6”
Tables 24”x72”

EXAMPLE IMAGES





Auditorium/Lecture Hall

DATA

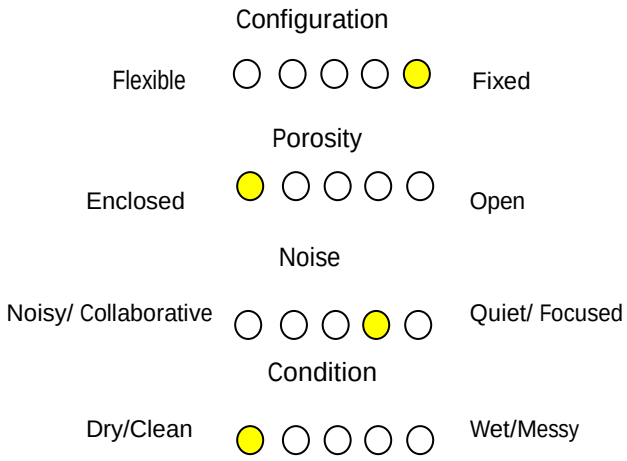
ASF Per Seat: 15.0 **Room Sizes**: Range from 3,000 NSF

Room Occupancy: 200 **Maximum Occupancy:** 200 **Required Adjacencies:** Other Classrooms

DESCRIPTION

Auditorium/Lecture Hall with three seating sections spanning approx. 165 degrees around a central lectern and projection display. All seats are fixed with sidearm tablets. An AV Room is provided to support all AV and IT needs (including audio & video capture, sound system). Adjacent storage beneficial depending upon teaching content.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied and Installed Equipment
  - Signage, window shades as required, all device mounting, motorized screens (inset in ceiling), write-able surface on front wall.
- Owner Supplied Contractor Installed Equipment
  - Fixed seats with tablet arm, casework.
- Owner Supplied and Installed Equipment
  - Long throw projector, computer document viewer, web camera, speakers, possible monitors.
- Owner Supplied and Installed Furniture
  - Media cabinet, storage shelving (as required), smart lectern.

TECHNICAL REQUIREMENTS

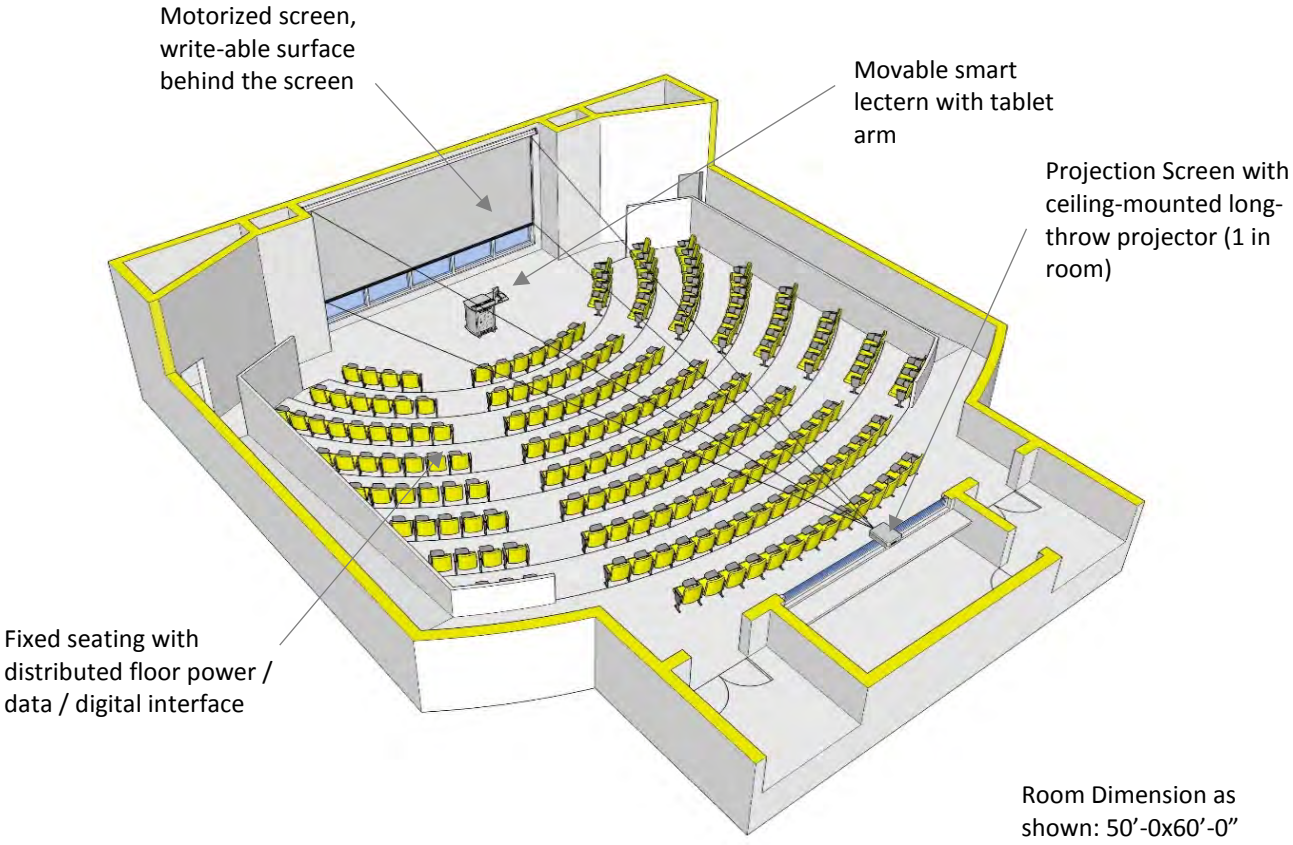
- Finishes and Surfaces
  - Ceiling: Acoustical baffles, drywall/ acoustical.
  - Wall: combination of painted gypsum wall board, acoustical panels, dry erase “teaching wall” surfaces.
  - Floor: Luxury vinyl tile (LVT) and carpet.
  - Base material: Rubber.
  - Door: Double wood door, 7’-0” (2x), vision panel, lever handle (2x); Single 3’-0” at storage rooms; access control integrated into building security system.

- Power, Data, Lighting
  - Power: Ceiling-mounted quad outlet at projectors, floor-mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, floor-mounted outlets at regular intervals; power and USB port access at tables (1 each per seat).
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: 15-30 foot-candles, LED (switched at lectern and entry doors).
  - Stage lighting (dual ballasted lamps, upfront stage area lights, low level lights, and accent lights/sconces on sidewalls. Emergency lighting, general LED lighting, window shades as required, lighting at presentation wall to be switched separately.

- AV Capabilities
  - Microphone (wireless), advanced speaker system (ceiling mounted), ceiling mounted projectors, motorized screen, smart desk / lectern, computer, document viewer, possible 65” monitor(s).

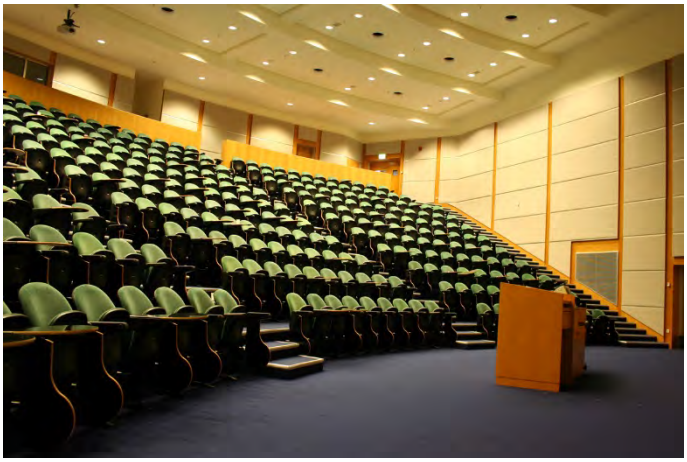
Auditorium/Lecture Hall

ROOM DIAGRAM



EXAMPLE IMAGES





Distance Learning / ITV Classroom

DATA

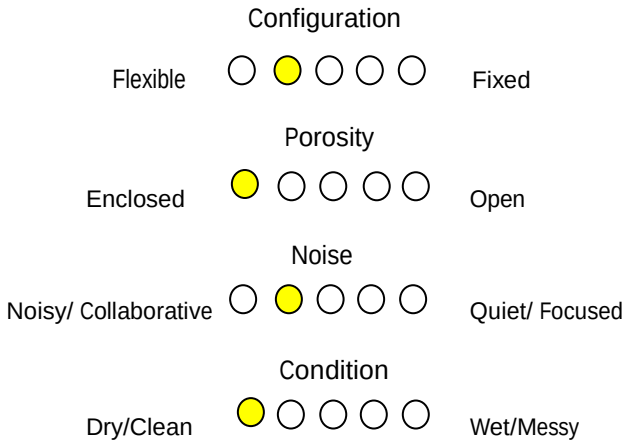
ASF Per Seat: 30.0 **Room Sizes**: 720 NSF

Room Occupancy: 24 Typical **Maximum Occupancy:** 24 **Required Adjacencies:** Other Classrooms

DESCRIPTION

Distance Learning / ITV Classroom for active learning and student collaboration. Movable tables and chairs for reconfiguration. Movable smart desk/lectern. Cameras and microphones are stationed in the room to transmit to remote locations.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied and Installed Equipment
  - Window shades as required, projector mount, motorized screen (ceiling-mounted), write-able wall surface (two walls).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied and Installed Equipment
  - Projector, large format monitors (2x), computer, document viewer.
- Owner Supplied and Installed Furniture
  - Moveable chairs and tables, smart desk/lectern.

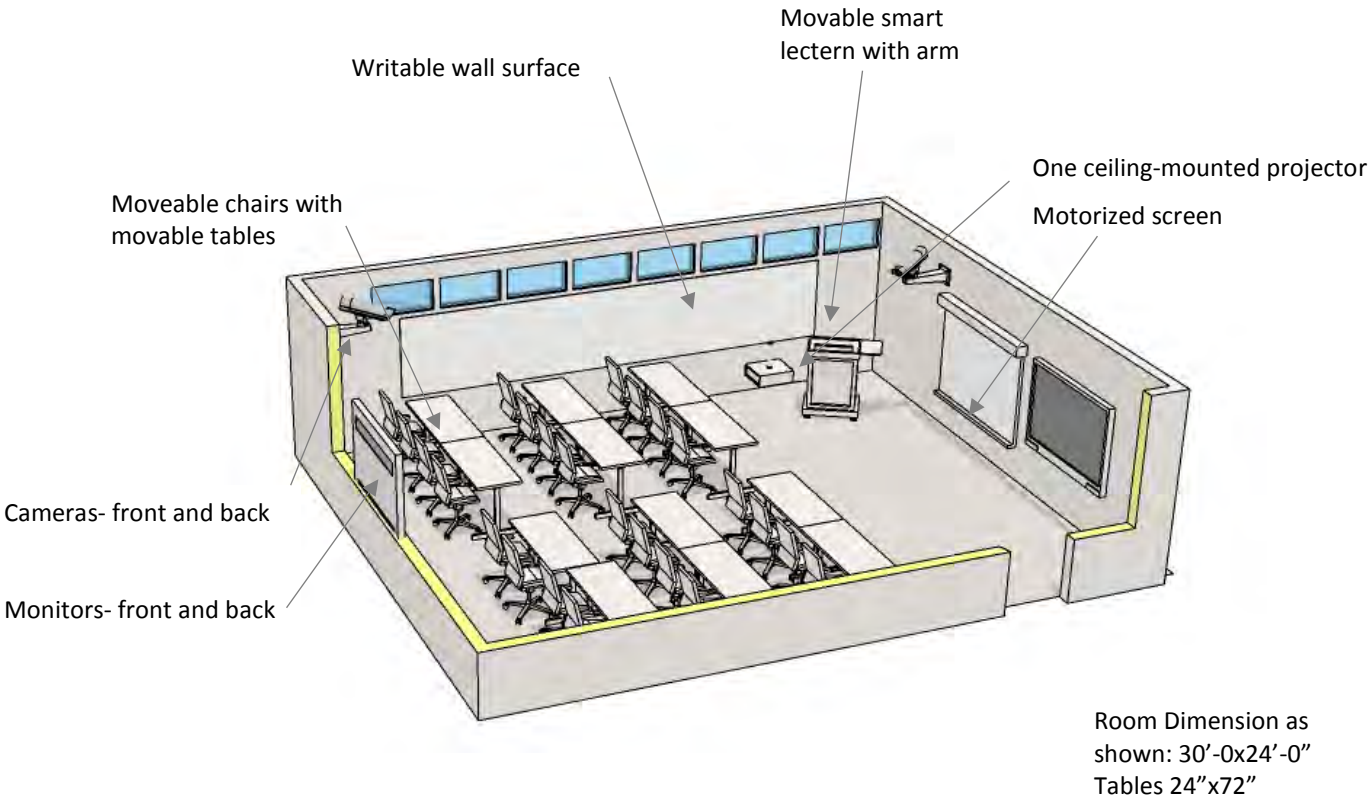
TECHNICAL REQUIREMENTS

- Finishes and Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Combination of painted gypsum wall board, acoustical panels, dry erase “teaching wall” surfaces.
  - Floor: Luxury vinyl tile (LVT).
  - Base material: Rubber.
  - Door: Single, 3’-0” wood door, vision panel, lever handle (2x); access control integrated into building security system.

- Power, Data, Lighting
  - Power: Ceiling-mounted quad outlet at projectors, floor-mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, floor-mounted outlets at regular intervals to serve tables; power and USB port access at tables (1 each per seat).
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: 30-50 foot-candles, general LED indirect with dimmable direct at select locations, window shades as required, lighting at presentation wall to be switched separately.
- AV Capabilities
  - Microphone (wireless/ceiling mounted), advanced speaker system (ceiling mounted), ceiling mounted projectors, motorized screen, smart desk/lectern, computer, document viewer, cameras, 65” monitors (2).

Distance Learning / ITV Classroom

ROOM DIAGRAM



EXAMPLE IMAGES





Tiered Floor Classroom

DATA

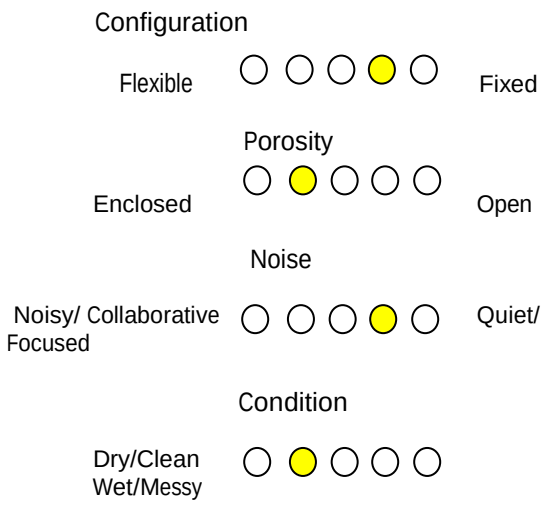
ASF Per Seat: 26.0 **Room Sizes**: Range from 1560 NSF to 1,680 NSF

Room Occupancy: 60/80 **Maximum Occupancy:** 80 **Required Adjacencies:** Other Classrooms

DESCRIPTION

Tiered Floor Classroom with two tiers, two rows per tier. Capable for active learning and student collaboration in small groups. Tables have power connections. Faculty lectern is centralized. Primary instruction wall with whiteboards, monitors, and display surfaces student collaboration in small groups. Tables have power connections. Faculty lectern is movable. Primary instruction wall with whiteboards, monitors, and display surfaces.

QUALITIES



EQUIPMENT & FURNITURE

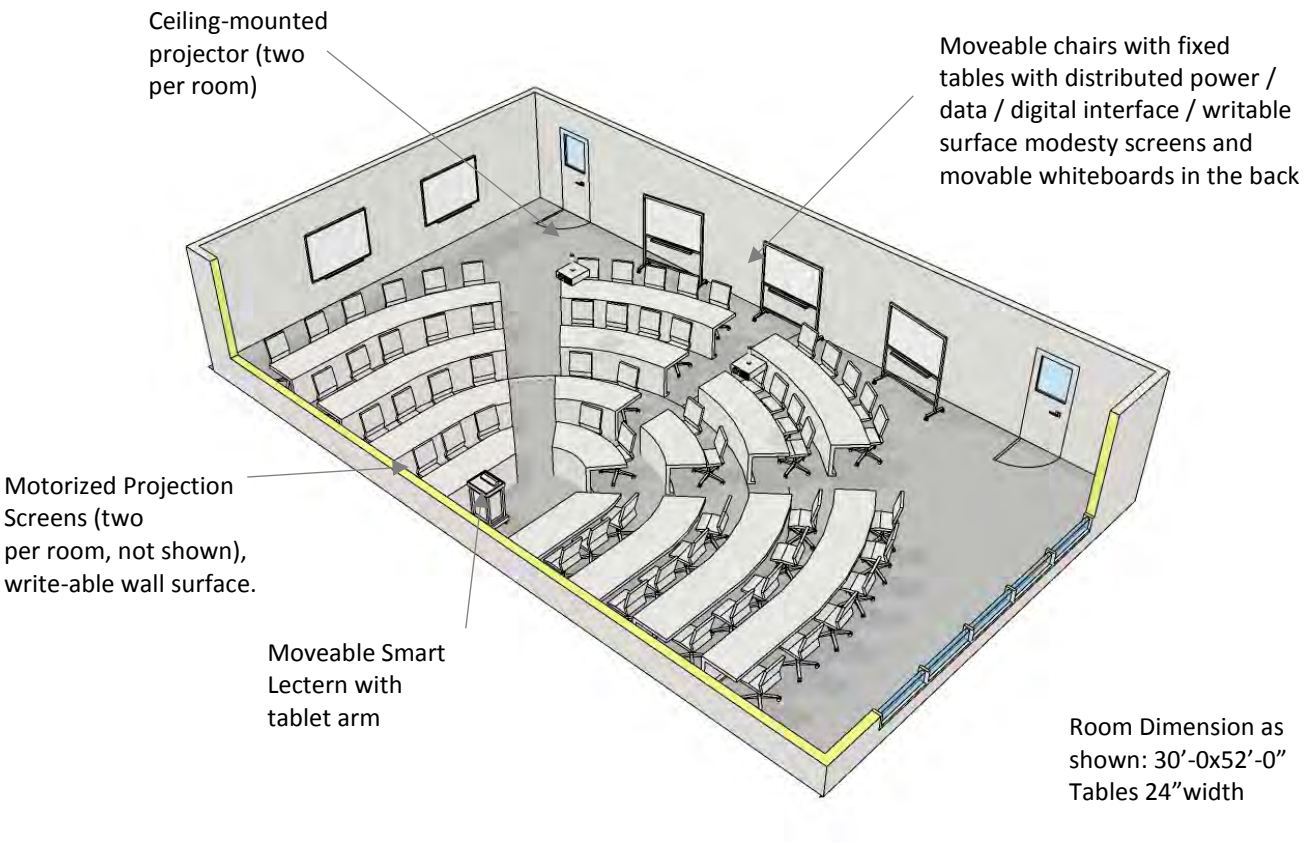
- Contractor Supplied and Installed Equipment
  - Signage, window shades as required, all device mountings, motorized screens (inset in ceiling), write-able wall surface behind lectern.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied and Installed Equipment
  - Projector, smart lectern, monitors distributed (6x), computer, document viewer, web camera.
- Owner Supplied and Installed Furniture
  - Moveable chairs, fixed tables with modesty screens, smart lectern, movable whiteboards.

TECHNICAL REQUIREMENTS

- Finishes and Surfaces
  - Ceiling: Acoustical treatment.
  - Wall: Combination of painted gypsum wall board, acoustical treatment, dry erase surfaces.
  - Floor: Luxury vinyl tile (LVT) and carpet
  - Base material: Rubber.
  - Door: Single, 3’-0” wood door, vision panel, lever handle (2x); access control integrated into building security system.
- Power, Data, Lighting
  - Power: Ceiling-mounted quad outlet at projectors, floor-mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, floor-mounted outlets at regular intervals; power and USB port access at tables (1 each per seat).
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: 30-50 foot-candles, general LED indirect with dimmable direct at select locations, shades as required, lighting at presentation wall to be switched separately.
- AV Capabilities
  - Microphone (wireless), advanced speaker system (ceiling mounted), ceiling mounted projectors, motorized screen, smart desk/lectern, computer, document viewer, 65” monitor.

Tiered Floor Classroom

ROOM DIAGRAM



EXAMPLE IMAGES





Laboratory Spaces

Dry Laboratory

Wet Laboratory - Biology

Wet Laboratory - Chemistry

Wet Laboratory – Organic Chemistry

Wet Laboratory – Microbiology

Language Laboratory

Computer Science Laboratory

Specials Laboratory

Laboratory Preparation Room

Dry Lab - Engineering

Dry Lab – Engineering Materials

Dry Lab – Research Engineering Mechanical

Wet Lab – Engineering Nano Research

Wet Lab – Engineering Fluids Lab

Wet Lab - Research



Dry Laboratory

DATA

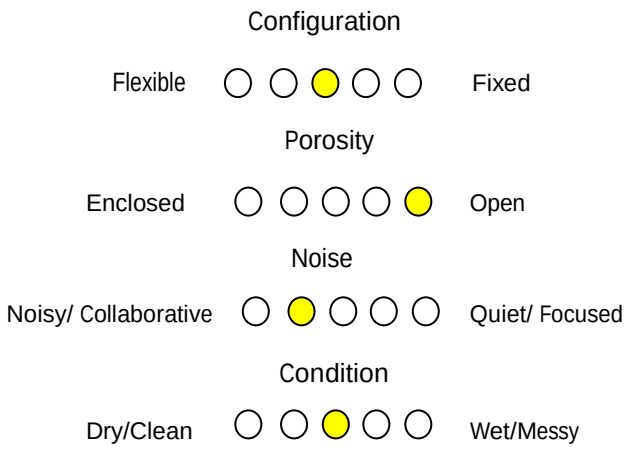
ASF Per Seat: 52.0 **Room Sizes**: Range from 1,664 NSF to 2,496 NSF

Room Occupancy: 32 – 48 **Maximum Occupancy:** 48 **Required Adjacencies:** Lab Preparation & Equipment

DESCRIPTION

This lab is suitable for all dry laboratory requirements and includes some open floor space for demonstrations and equipment with 6-person benches capable of supporting heavier loads. Dry Labs can be tailored to specific engineering and physics disciplines that are more dry computing environments and can also be other mechanical lab functions of a dry nature. Rooms can be fixed or more flexible depending upon the function. Labs focused on mechanical or structural disciplines can consider movable benches with lockable casters.

QUALITIES



EQUIPMENT & FURNITURE

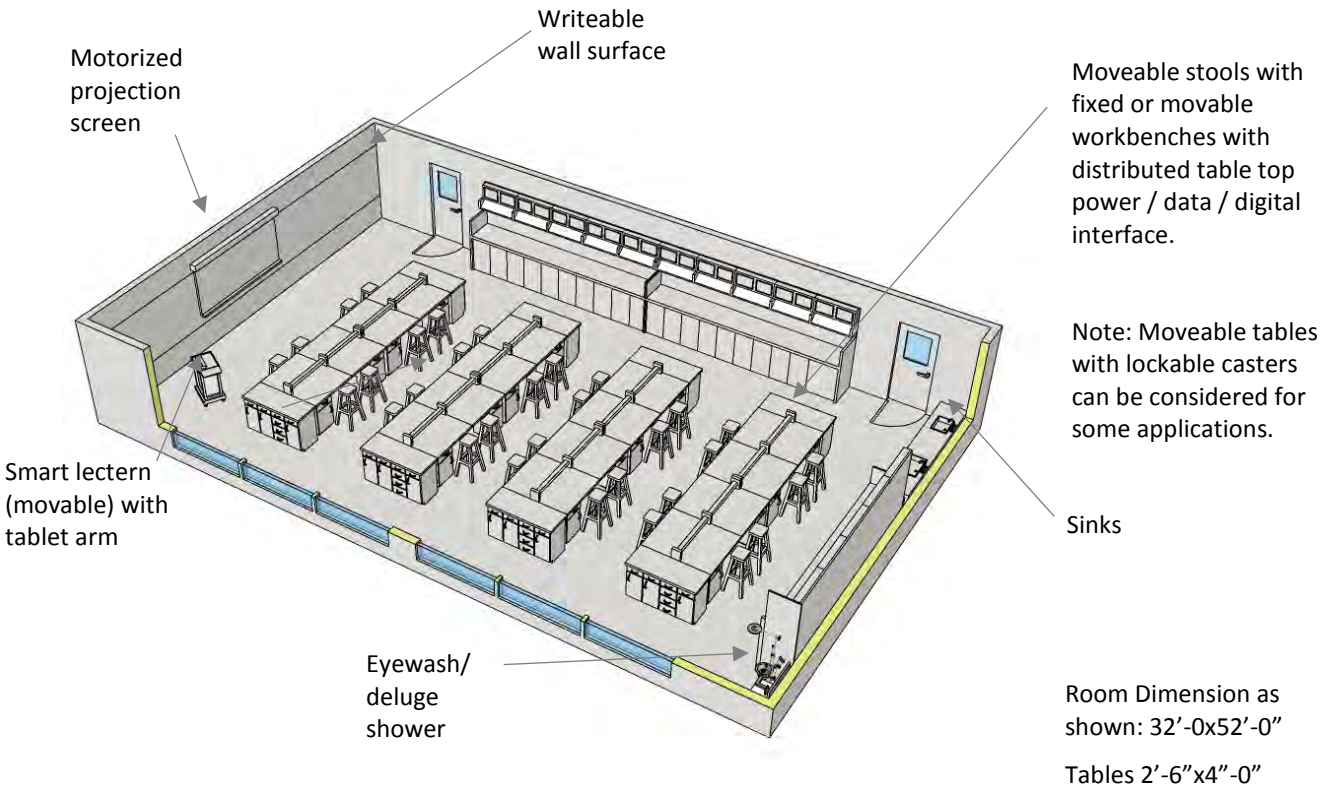
- Contractor Supplied & Installed Equipment
  - Window shades as required, all mountings, motorized projector screens, casework, lab benches, 4’ writeable wall covering surface, with magnetic top rail and reveal at the top and bottom (min.1 wall).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Smart lectern, computers (as required) document viewer, web camera.
- Owner Supplied & Installed Furniture
  - Moveable stools (32x / per student + 2).

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile or exposed (painted).
  - Wall: Combination of painted gypsum wall board, acoustical panels, dry erase “teaching wall” surfaces.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: Rubber.
  - Door: Single, 3’ – 0” wood door, vision panel, lever handle (2x); access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Floor-mounted quad outlet at lectern, duplex at projection screen, duplex outlets at regular intervals around perimeter, mounted outlets at tables; power and USB port access at tables (1 each per seat).
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: 30 – 50 foot-candles, general LED indirect with dimmable direct at select locations, window shades as required, lighting at presentation wall to be switched separately.
- Access Controls for a secured environment
  - Access controlled room.
  - Lockable cabinets.
- Plumbing
  - Sinks with hot / cold supply and clinical solvent drain, acid resistant self-rimming sinks, wrist blade faucets, hands free operation, goose neck spout, and hose sprayer.
  - Floor drains with primer.
  - Eyewash/deluge shower centrally located.

Dry Laboratory

ROOM DIAGRAM



EXAMPLE IMAGES



St. Charles College



Yale University

Wet Laboratory – Biology

DATA

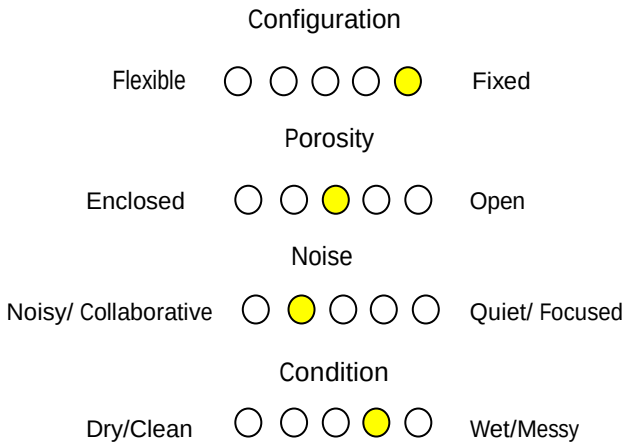
ASF Per Seat: 52.0 **Room Sizes**: 1,664 NSF

Room Occupancy: 32 **Maximum Occupancy:** 32 **Required Adjacencies:** Other Classrooms

DESCRIPTION

General survey laboratory to be used for biology, geology, physics, and general lab instruction. Six student benches with power outlets and end sink units per bench alternate shared central sinks (option). Storage for projects, displays.

QUALITIES



EQUIPMENT & FURNITURE

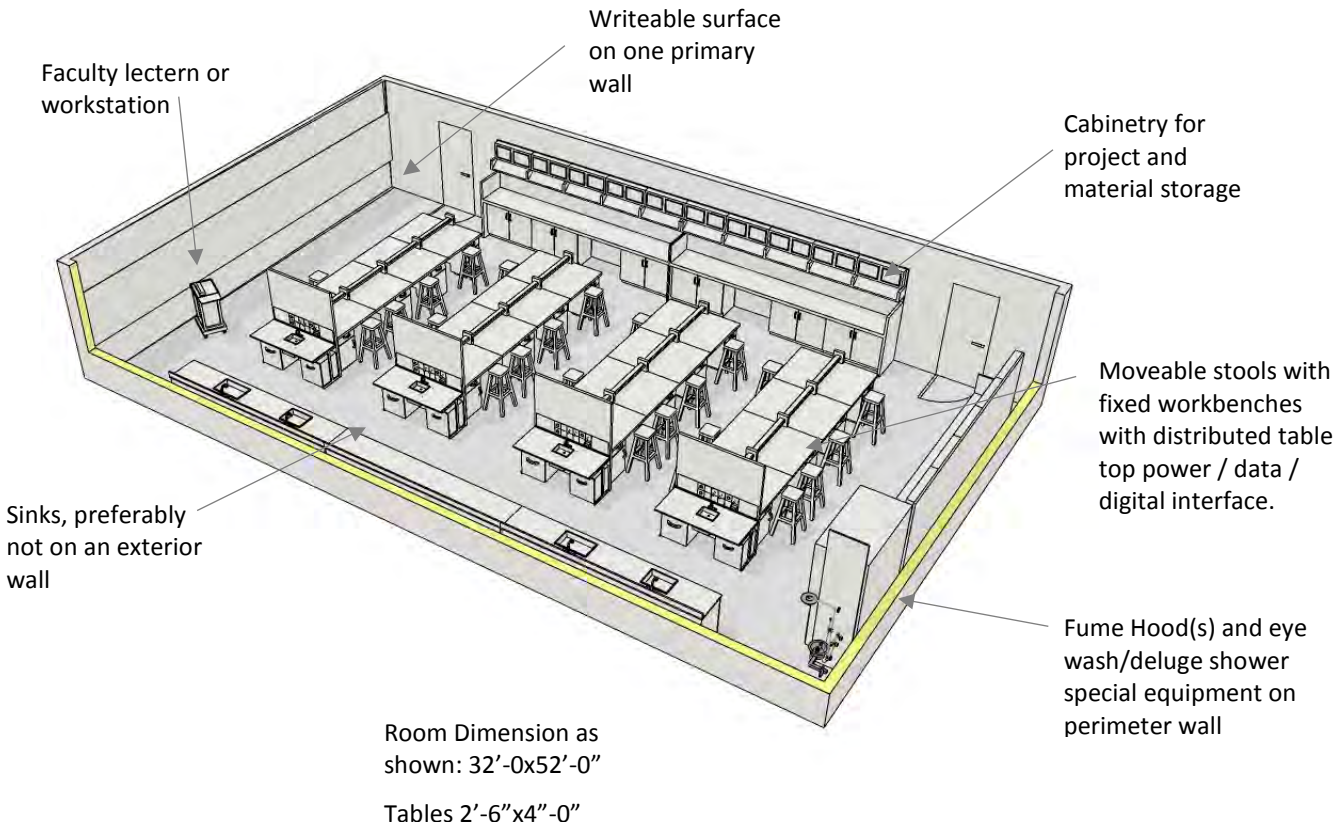
- Contractor Supplied & Installed Equipment
  6’ fume hood (1x), sinks (one each row of benches plus four general), workbenches, cabinetry, window shades as required, all mountings, 4’ writeable wall covering surface, with magnetic top rail and reveal at the top and bottom (min.1 wall).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Smart lectern.
- Owner Supplied & Installed Furniture
  - Moveable stools.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Washable mylar face acoustical tile.
  - Wall: Gypsum wall board, washable paint (epoxy or high sheen), dry erase “teaching wall” surfaces.
  - Floor: Seamless vinyl, chemical resistant, welded.
  - Base Material: Coved with flooring, welded.
  - Door: Single, 3’ – 0” wood door, vision panel, lever handle (2x), access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Duplex outlets at regular intervals around perimeter, floor-mounted outlets at regular intervals; power and USB port access at tables (1 each per seat).
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: Recessed drop-in fluorescent, sealed / washable lens, window shades as required.
- Access Controls for a secured environment
  - Access controlled room.
  - Lockable cabinets.
- Mechanical
  - Negative pressure.
  - Air changes per code.
  - Filtration per code.
- Plumbing
  - Natural gas, compressed air, vacuum, water.
  - Sinks with hot / cold supply and clinical solvent drain, acid resistant self-rimming sinks, wrist blade faucets, hands free operation, goose neck spout, and hose sprayer. Distilled water supply.
  - Floor drains with primer.
  - Eyewash/deluge shower centrally located.

Wet Laboratory – Biology

ROOM DIAGRAM



EXAMPLE IMAGES





Wet Laboratory – General Chemistry

DATA

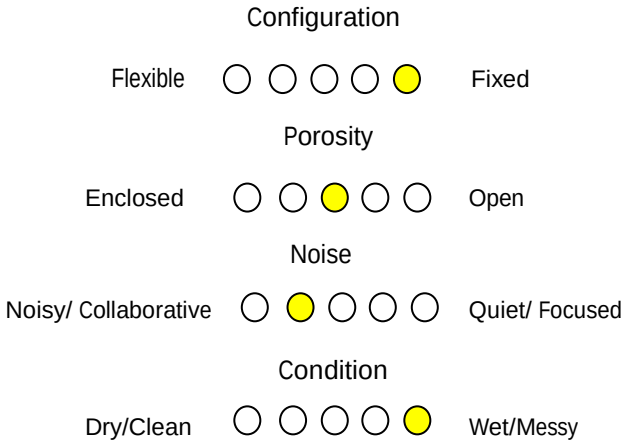
ASF Per Seat: 52.0 **Room Sizes**: Range from 1,400 NSF to 2,500 NSF

Room Occupancy: 24 – 48 **Maximum Occupancy:** 48 **Required Adjacencies:** Lab Preparation & Equipment

DESCRIPTION

General survey laboratory to be used for wet chemistry lab instruction. Six student benches with power outlets and end sink units per bench alternate shared central sinks (option). Fume hoods (4x - ratio of 1:6 students), LCD screens for demonstration display and general instruction. Storage for projects, displays.

QUALITIES



EQUIPMENT & FURNITURE

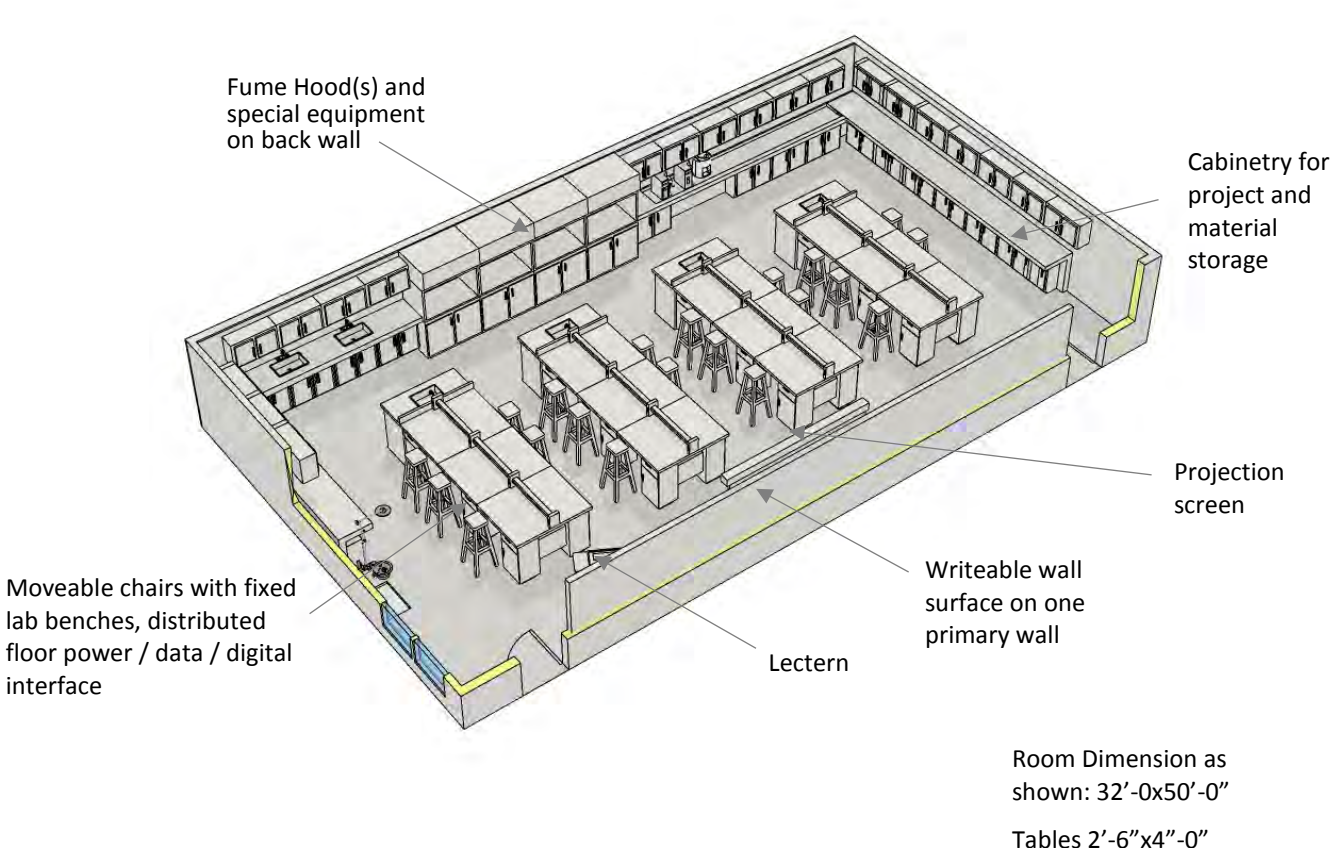
- Contractor Supplied & Installed Equipment
  - 4’ fume hood (4x), Sinks (one each bench plus four general), lab benches, casework (metal, science top surface) , signage, window shades as required, all mountings, motorized projection screen, 4’ writeable wall covering surface, with magnetic top rail and reveal at the top and bottom (min.1 wall).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Smart lectern, lectern computer, document viewer, web camera.
- Owner Supplied & Installed Furniture
  - Moveable stools.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Washable mylar face acoustical tile.
  - Wall: Gypsum wall board, washable paint. (epoxy or high sheen)
  - Floor: Seamless vinyl, chemical resistant, welded.
  - Base Material: Coved with flooring, welded.
  - Door: Single, 3’ – 0” wood door, vision panel, lever handle (2x); integrated into building security system.
- Power, Data, & Lighting
  - Power: Floor mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, floor mounted outlets at regular intervals; power and USB port access at tables (1 each per seat).
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: Recessed drop-in LED, sealed / washable lens, window shades as required, lighting at presentation wall to be switched separately.
- Access Controls for a secured environment
  - Access controlled room.
  - Lockable cabinets.
- Mechanical
  - Negative pressure.
  - Air changes per code.
  - Filtration per code.
- Utility
  - Natural gas, compressed air, vacuum, water.
  - Sinks with hot / cold supply and clinical solvent drain, acid resistant self-rimming sinks, wrist blade faucets, hands free operation, goose neck spout, and hose sprayer. Distilled water supply.
  - Floor drains with primer.
  - RO system.
  - Eyewash / deluge shower.

Wet Laboratory – General Chemistry

ROOM DIAGRAM



Room Dimension as shown: 32’-0x50’-0”

Tables 2’-6”x4”-0”

EXAMPLE IMAGES





Wet Laboratory – Organic Chemistry

DATA

ASF Per Seat: 52.0 **Room Sizes**: Range from 1,400 NSF to 2,500 NSF

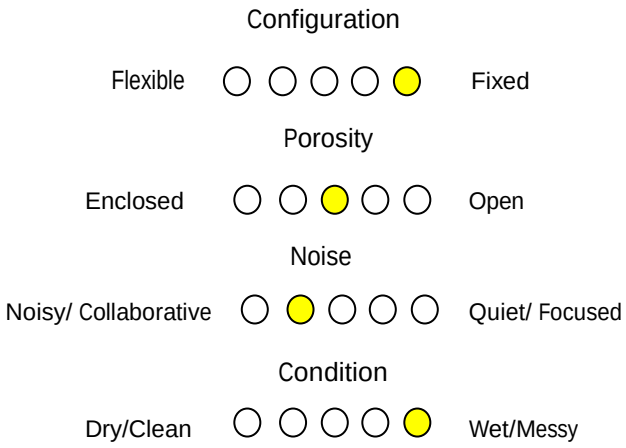
Room Occupancy: 24 – 48 **Maximum Occupancy:** 48 **Required Adjacencies:** Lab Preparation & Equipment

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DESCRIPTION

General survey laboratory to be used for wet chemistry lab instruction. Six student benches with power outlets and end sink units per bench alternate shared central sinks (option). Fume hoods (12x - ratio of 1:2-4 students).Storage for projects, displays.

QUALITIES



EQUIPMENT & FURNITURE

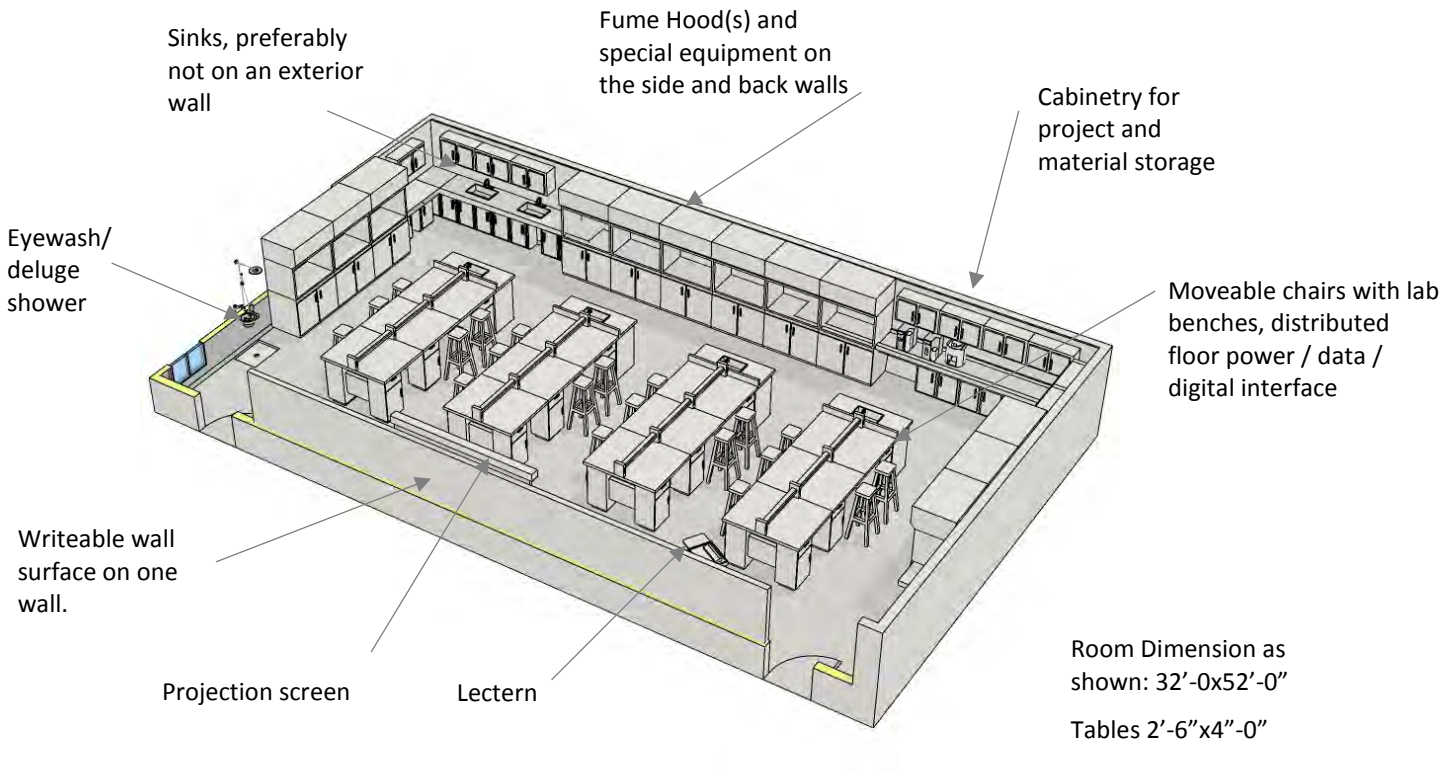
- Contractor Supplied & Installed Equipment
  - 4’ fume hood (12x), Sinks (one each bench plus four general), lab benches, casework (metal, science top surface) , signage, window shades as required, all mountings, motorized projection screen, 4’ writeable wall covering surface, with magnetic top rail and reveal at the top and bottom (min.1 wall).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Smart lectern, lectern computer, document viewer, web camera.
- Owner Supplied & Installed Furniture
  - Moveable stools.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Washable mylar face acoustical tile
  - Wall: Gypsum wall board, washable paint (epoxy or high sheen).
  - Floor: Seamless vinyl, chemical resistant, welded.
  - Base Material: Coved with flooring, welded.
  - Door: Single, 3’ – 0” wood door, vision panel, lever handle (2x); access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Floor mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, floor mounted outlets at regular intervals; power and USB port access at tables (1 each per seat).
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: Recessed drop-in LED, sealed / washable lens, window shades as required, lighting at presentation wall to be switched separately.
- Access Controls for a secured environment
  - Access controlled room.
  - Lockable cabinets.
- Mechanical
  - Negative pressure.
  - Air changes per code.
  - Filtration per code.
- Plumbing
  - Natural gas, compressed air, vacuum, water.
  - Sinks with hot / cold supply and clinical solvent drain, acid resistant self-rimming sinks, wrist blade faucets, hands free operation, goose neck spout, and hose sprayer. Distilled water supply.
  - Floor drains with primer.
  - RO system.
  - Eyewash / deluge shower.

Wet Laboratory – Organic Chemistry

ROOM DIAGRAM



EXAMPLE IMAGES





Wet Laboratory – Microbiology

DATA

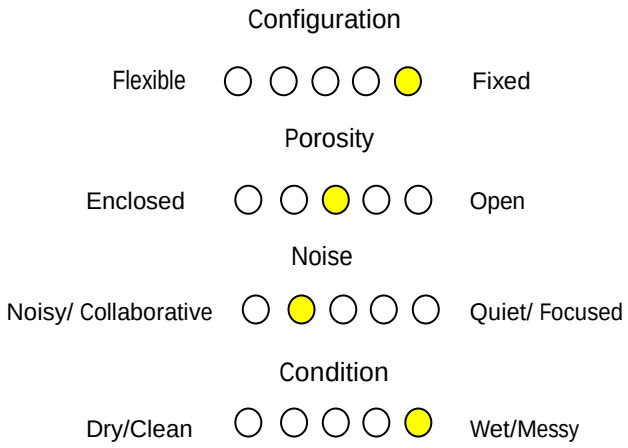
ASF Per Seat: 52.0 **Room Sizes**: Range from 1,400 NSF to 2,500 NSF

Room Occupancy: 24 **Maximum Occupancy:** 24 **Required Adjacencies:** Lab Preparation & Equipment

DESCRIPTION

General survey laboratory to be used for microbiology lab instruction. Six student benches with power outlets and end sink units per bench alternate shared central sinks (option). The space will include fume hood (s), storage for projects and displays.

QUALITIES



EQUIPMENT & FURNITURE

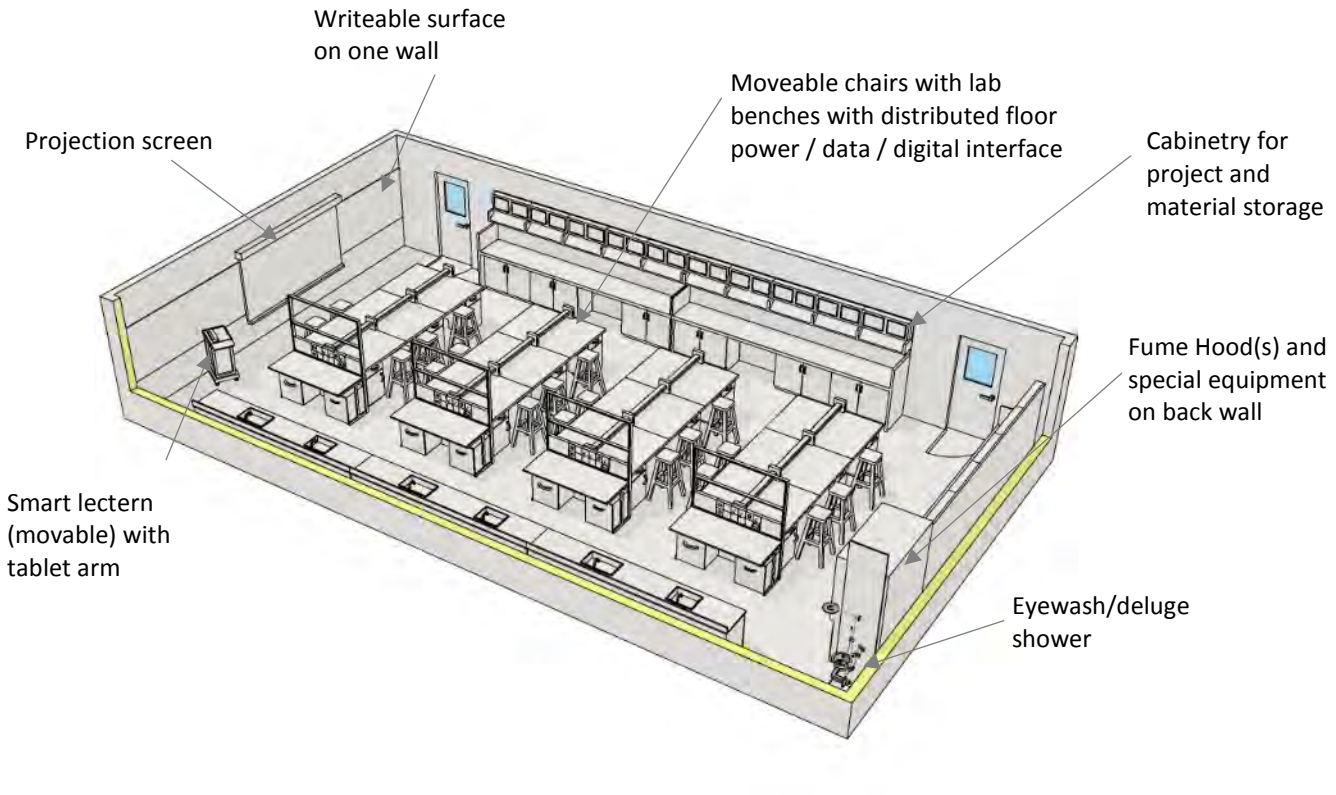
- Contractor Supplied & Installed Equipment
  - 6’ fume hood, signage, lab benches and casework (metal, science top surface), sinks, (one each bench plus four general), window shades as required, all mountings, motorized screens (inset in ceiling), 4’ writeable wall covering surface, with magnetic top rail and reveal at the top and bottom (min.1 wall).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Smart lectern, lectern computer, document viewer, web camera.
- Owner Supplied & Installed Furniture
  - Moveable stools.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Washable mylar face acoustical tile.
  - Wall: Gypsum wall board, washable paint (epoxy or high sheen), dry erase “teaching wall” surfaces.
  - Floor: Seamless vinyl, chemical resistant, welded, 6” cove base.
  - Base Material: Coved with flooring, welded.
  - Door: Single, 3’ – 0” wood door, vision panel, lever handle (2x); access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Floor mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, floor mounted outlets at regular intervals; power and USB port access at tables (1 each per seat).
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: Recessed drop-in fluorescent, sealed / washable lens, window shades as required, lighting at presentation wall to be switched separately.
- Access Controls for a secured environment
  - Access controlled room.
  - Lockable cabinets.
- Mechanical
  - Negative pressure.
  - Air changes per code.
  - Filtration per code.
- Plumbing
  - Natural gas, water.
  - Sinks with hot / cold supply and clinical solvent drain, acid resistant self-rimming sinks, wrist blade faucets, hands free operation, goose neck spout, and hose sprayer at glass wash, RO water.
  - Floor drains with primer.
  - Eyewash / deluge shower, drain/trap primer.

Wet Laboratory – Microbiology

ROOM DIAGRAM



Room Dimension as shown: 32’-0x52’-0”

Tables 2’-6”x4”-0”

EXAMPLE IMAGES





Language Laboratory

DATA

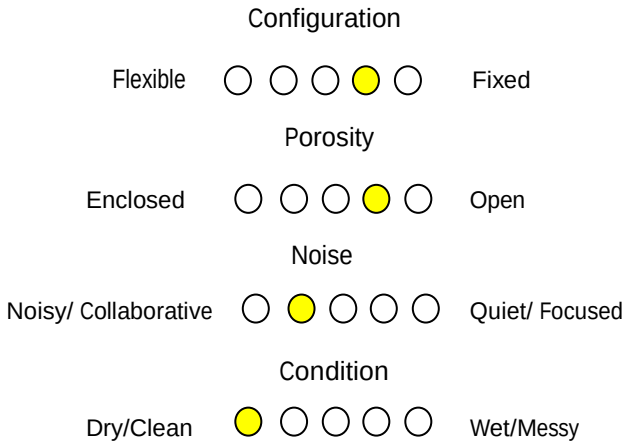
ASF Per Seat: 52.0 **Room Sizes**: Range from 900 NSF to 1,680 NSF

Room Occupancy: 30 – 60 **Maximum Occupancy:** 60 **Required Adjacencies:** Lab Preparation & Equipment

DESCRIPTION

This is a focused lab for Language Studies utilizing multiple media forms. Each of these labs have desktop computers. Labs can be focused on a variety of language activities with headset audio capabilities. Typical seating is with linear benches with single monitors at each student position. Special attention to the HVAC infrastructure is required to assure proper climate control and cooling.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied & Installed Equipment
  - Signage, window shades as required, all mountings, projector, motorized screens (inset in ceiling), casework, 4’ writeable wall covering surface, with magnetic top rail and reveal at the top and bottom (min.1 wall).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Projector, smart lectern, computers with dual monitors (30x), wall-mounted monitors (5x), document viewer, web camera.
- Owner Supplied & Installed Furniture
  - Moveable tables and chairs (30x).

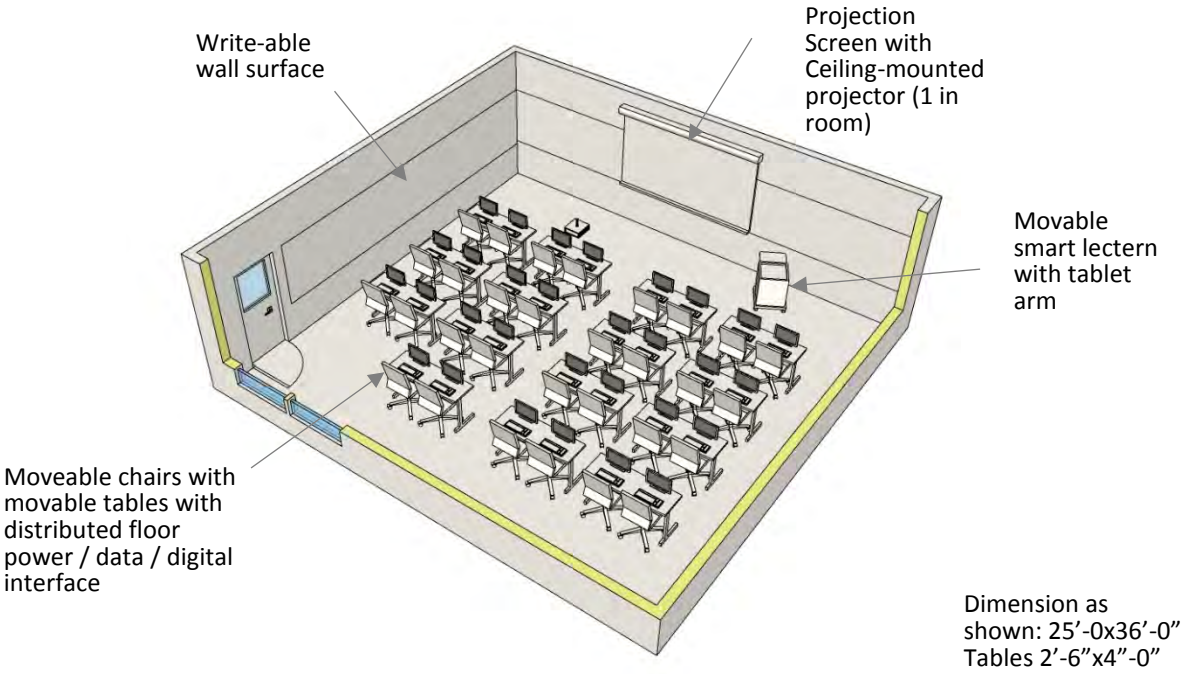
TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile or exposed (painted).
  - Wall: Combination of painted gypsum wall board, acoustical panels, dry erase “teaching wall” surfaces.
  - Floor: Luxury vinyl tile (LVT).
  - Base material: Rubber.
  - Door: Single, 3’ – 0” wood door, vision panel, lever handle (2x); access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Ceiling-mounted quad outlet at projectors, floor-mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, floor-mounted outlets at regular intervals; power and USB port access at tables (1 each per seat).
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: 30 – 50 foot-candles, general LED indirect with dimmable direct at select locations, window shades as required, lighting at presentation wall to be switched separately.
- Mechanical
  - Positive air pressure.
  - Air changes per code.
  - Filtration per code.

Note: Language Labs can be initiated in a standard Flexible Flat Floor Classroom and retrofitted at a later time as enrollment growth increases. Infrastructure would be included in the initial space.

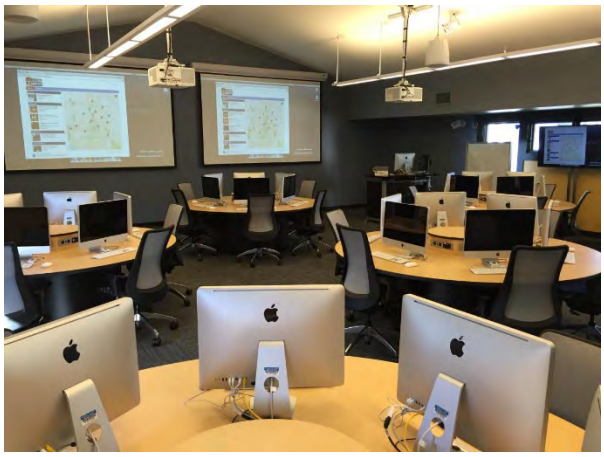
Language Laboratory

ROOM DIAGRAM



EXAMPLE IMAGES





Computer Science Laboratory

DATA

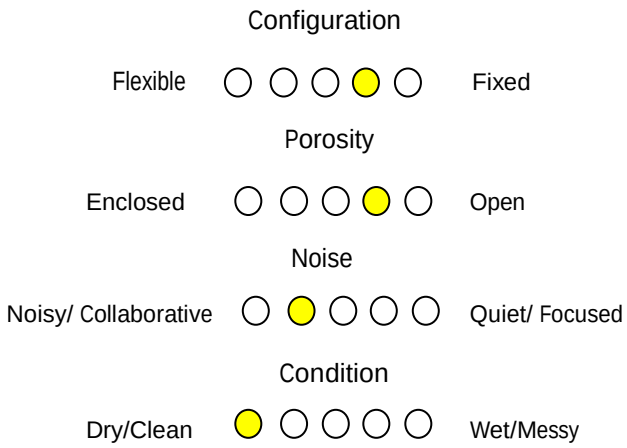
ASF Per Seat: 52.0 **Room Sizes**: Range from 900 NSF to 1,680 NSF

Room Occupancy: 30 – 60 **Maximum Occupancy:** 60 **Required Adjacencies:** Lab Preparation & Equipment

DESCRIPTION

Dedicated high powered computing, each of these labs have desktop computers. Labs can be focused on hardware engineering, software engineering, or can be a combined environment. Typical seating is with 6-person benches with dual monitors at each student position. Special attention to the HVAC infrastructure is required to assure proper climate control and cooling.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied & Installed Equipment
  - Signage, window shades as required, all mountings, projector, motorized screens (inset in ceiling), casework, 4’ writeable wall covering surface, with magnetic top rail and reveal at the top and bottom (min.1 wall).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Projector, smart lectern, computers with dual monitors (30x), wall mounted monitors (5x), document viewer, web camera.
- Owner Supplied & Installed Furniture
  - Moveable tables and chairs (1 per student + 1).

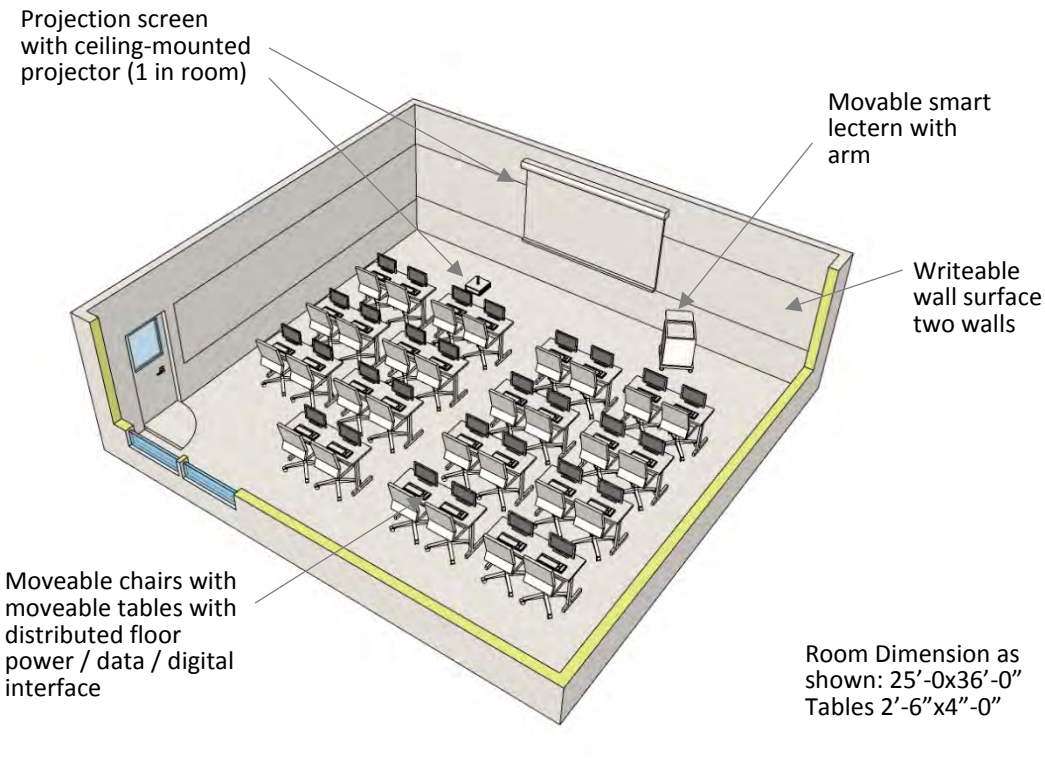
TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile or exposed (painted).
  - Wall: Combination of painted gypsum wall board, acoustical panels, dry erase “teaching wall” surfaces.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: Rubber.
  - Door: Single, 3’ –0” wood door, vision panel, lever handle (2x); access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Ceiling-mounted quad outlet at projectors, floor mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, floor mounted outlets at regular intervals; power and USB port access at tables (1 each per seat).
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: 30 – 50 foot-candles, general LED indirect with dimmable direct at select locations, window shades as required.
- Mechanical
  - Air changes per code.
  - Filtration per code.

Note: Computer Labs can be initiated in a standard Flexible Flat Floor Classroom and retrofitted at a later time as enrollment growth increases. Infrastructure would be included in the initial spaces.

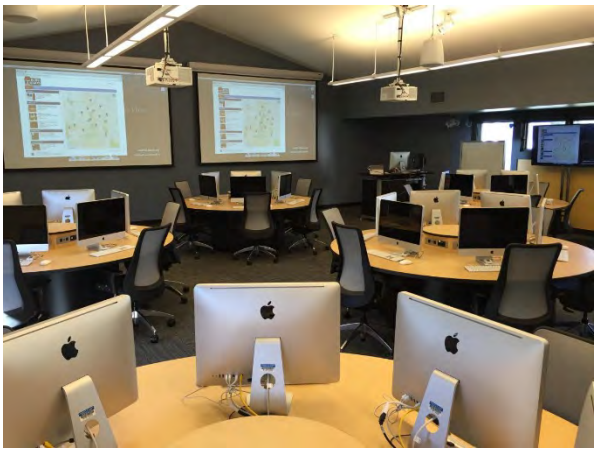
Computer Science Laboratory

ROOM DIAGRAM



EXAMPLE IMAGES





St. Charles College

Specials Laboratory

DATA

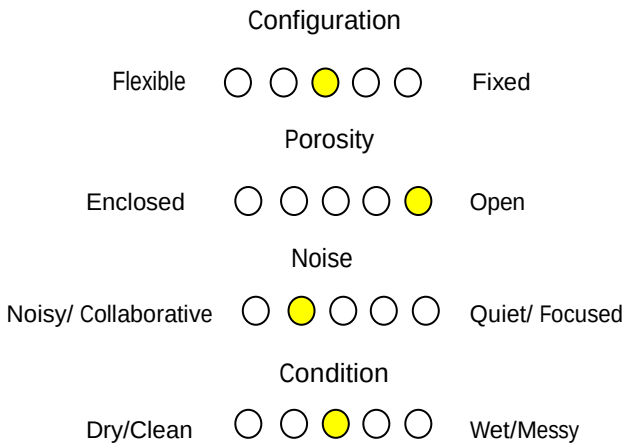
ASF Per Seat: 52.0 **Room Sizes**: Range from 1,568 NSF to 2,500 NSF

Room Occupancy: 30 – 60 **Maximum Occupancy:** 60 **Required Adjacencies:** Lab Preparation & Equipment

DESCRIPTION

This lab includes some open floor space for demonstrations and equipment with 6-person benches capable of supporting heavier loads. Labs can be tailored to specific engineering disciplines and can include water, air, and gas as desired / required. Special attention to any operations that may be vibration sensitive should be positioned on the ground floor.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied & Installed Equipment
  - Signage, window shades as required, all mountings, projector, motorized screens (inset in ceiling), casework, workbenches, sinks (as required), whiteboard surfaces.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Projector, smart lectern, computers (as required) document viewer, web camera.
- Owner Supplied & Installed Furniture
  - Moveable stools (30x).

TECHNICAL REQUIREMENTS

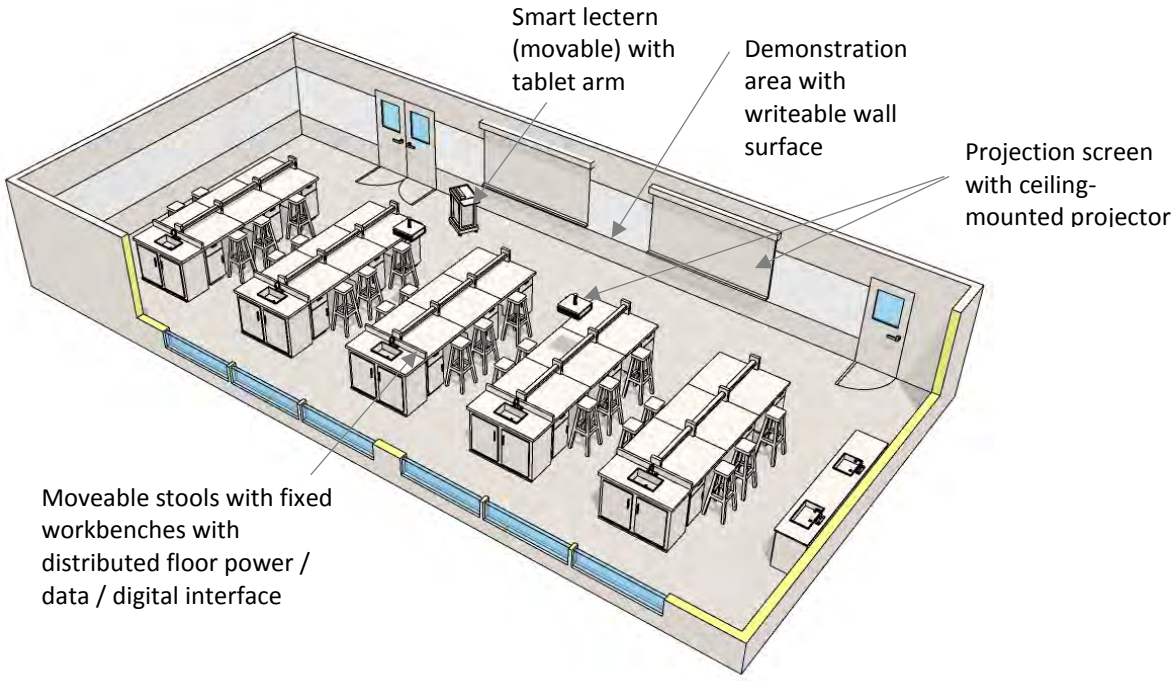
- Finishes & Surfaces
  - Ceiling: Acoustical tile or exposed (painted).
  - Wall: Combination of painted gypsum wall board, acoustical panels.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: Rubber.
  - Door: Single/double, 3’ – 0” wood door, vision panel, lever handle (2x); access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Celling mounted quad outlet at projectors, floor mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, floor mounted outlets at regular intervals; power and USB port access at tables (1 each per seat).
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: 30 – 50 foot-candles, general LED indirect with dimmable direct at select locations, window shades as required.
- Mechanical
  - Positive air pressure.
  - Air changes per code.
  - Filtration per code.
- Access Controls for a Secured Environment
  - Access controlled room.
  - Lockable cabinets.
- Utilities (As Desired/Required)
  - Sinks at benches.
  - Water, air, gas.

Note that the Special Lab can be tailored for wet specializations that may require sinks or for dry specializations that may require computers.

Labs focused on mechanical or structural disciplines can also consider movable benches with lockable casters.

Specials Laboratory

ROOM DIAGRAM



Room Dimension as shown is approximately 28’-0x56’-0”

EXAMPLE IMAGES





Laboratory Preparation Room

DATA

ASF Per Seat: N/A **Room Sizes**: Range from 250 NSF to 670 NSF

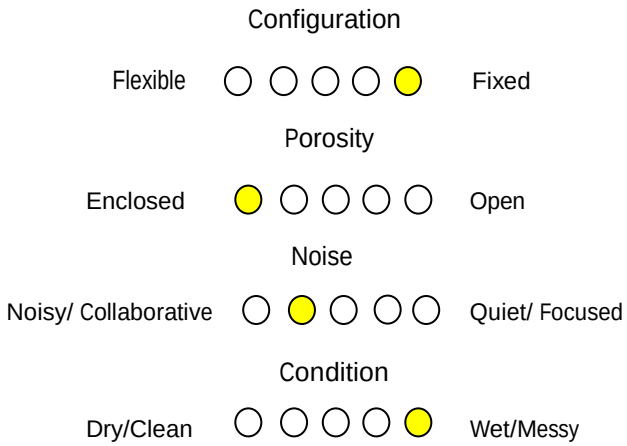
Room Occupancy: 6 – 16 **Maximum Occupancy:** 16

Required Adjacencies: Lab Storage, Teaching Laboratories

DESCRIPTION

Prep room used to prep experimentation for classroom lectures. The general prep room is the basic room for all sciences. A smaller space is provided for physics prep.

QUALITIES



EQUIPMENT & FURNITURE

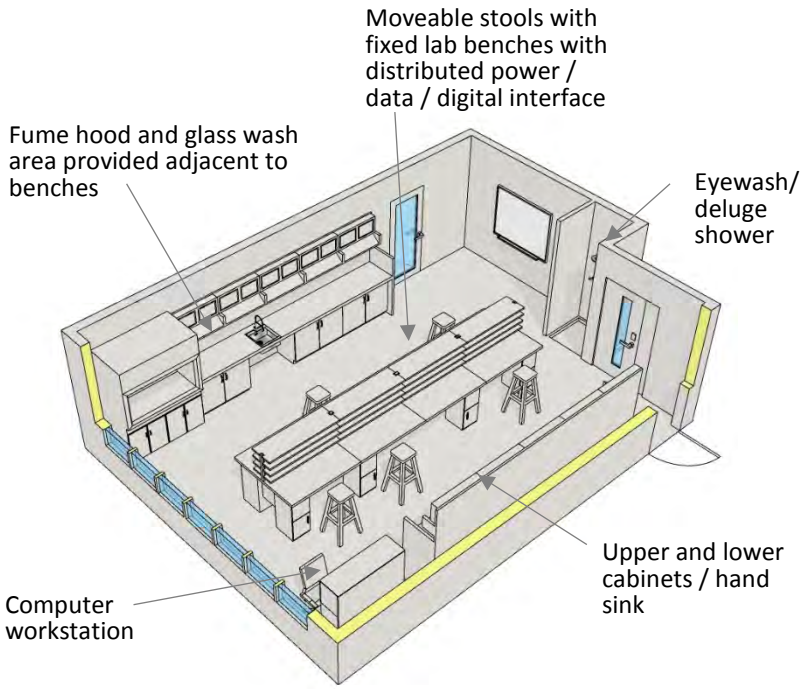
- Contractor Supplied & Installed Equipment
  - 6’ fume hood (1 – 4x), utility sink and hand sinks, signage, lab benches, casework (metal, science top surface) window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Countertop equipment.
- Owner Supplied & Installed Furniture
  - Moveable stools.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Washable mylar face acoustical tile.
  - Wall: Gypsum wall board, washable paint (epoxy or high sheen).
  - Floor: Seamless vinyl, chemical resistant, welded.
  - Base Material: Coved with flooring, welded.
  - Door: Single, 3’ – 0” wood door, vision panel, lever handle (2x); access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Integral at lab benches, special as required for specific equipment selections.
  - Data: Wireless connectivity throughout, hardwire power and data at lab benches, workstations.
  - Lighting: 80 – 100 foot-candles, sealed fixtures / washable lens, LED indirect for general lighting with direct task lighting, window shades as required.
- Access Controls for a secured environment
  - Access controlled room.
  - Lockable cabinets.
- Mechanical
  - Negative pressure.
  - Air changes per code.
  - Filtration per code.
- Utility
  - Natural gas, compressed air, vacuum, water.
  - Sinks with hot / cold supply and clinical solvent drain, acid resistant self rimming sinks, wrist blade faucets, hands free operation, goose neck spout, and hose sprayer. Distilled water supply.
  - Floor drains with primer.
  - Eyewash / deluge shower, drain/trap primer.

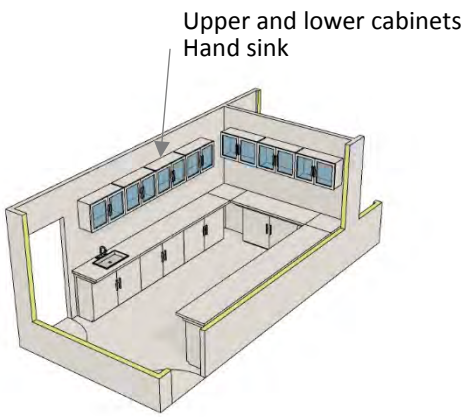
Laboratory Preparation Room

ROOM DIAGRAM



General Prep Lab

Room Dimension as shown is approximately 32’-9x20’-3”
Tables 2’-6”x5”-0”

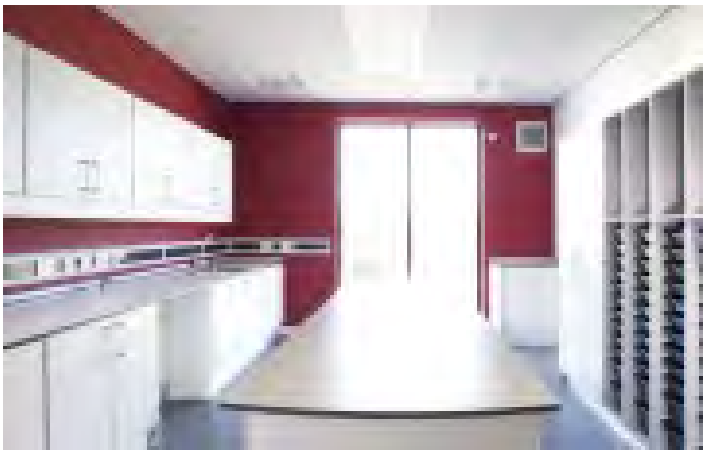


Physics Prep Lab

Room Dimension as shown is approximately 19’-5x10’-0”

EXAMPLE IMAGES





Laboratory Spaces

Dry Laboratory- Engineering

DATA

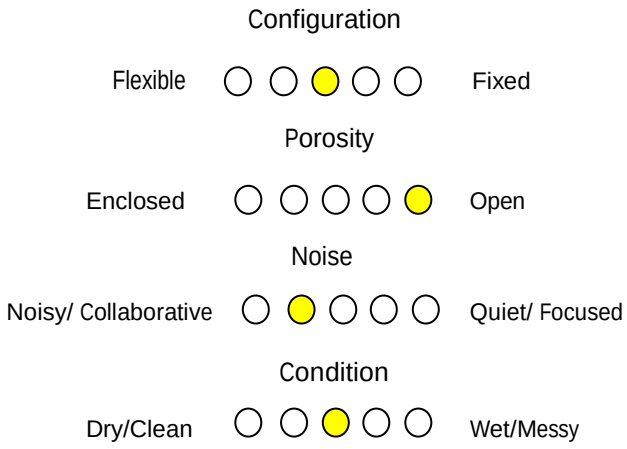
ASF Per Seat: 52.0 **Room Sizes**: Range from 1,664 NSF to 2,496 NSF

Room Occupancy: 32 – 48 **Maximum Occupancy:** 48 **Required Adjacencies:** Lab Preparation & Equipment

DESCRIPTION

This lab includes some open floor space for demonstrations and equipment with 6-person benches capable of supporting heavier loads. The lab can be tailored to specific engineering disciplines that are more dry computing environments and can also be other mechanical or instrumentation lab functions of a dry nature. Furniture can be fixed or more flexible depending upon the function. Labs focused on mechanical or structural disciplines may consider movable benches with lockable casters.

QUALITIES



EQUIPMENT & FURNITURE

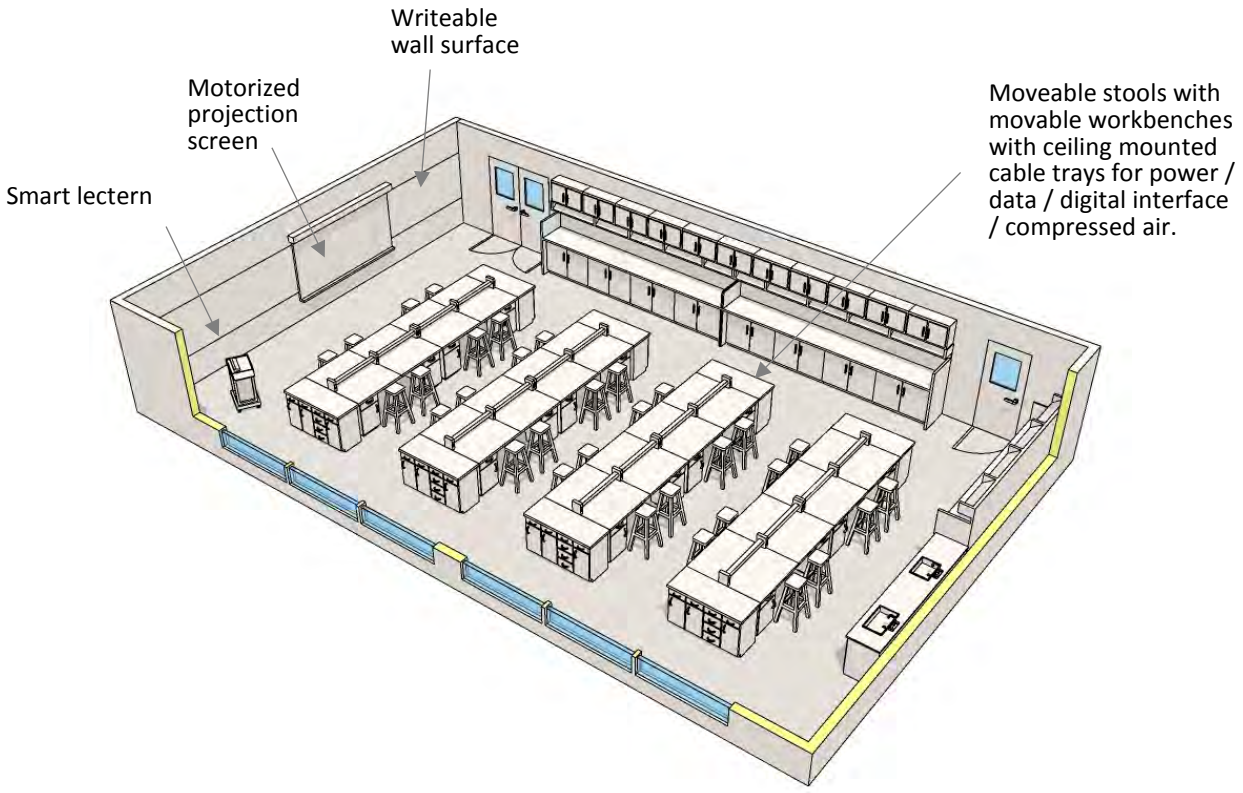
- Contractor Supplied & Installed Equipment
  - Signage, window shades as required, all mountings, motorized projector screens (inset in ceiling), cabinetry, 4’ writeable wall covering surface, with magnetic top rail and reveal at the top and bottom (min.1 wall), utility sink and hand wash sinks.
- Owner Supplied Contractor Installed Equipment
  - None
- Owner Supplied & Installed Equipment
  - Projector, smart lectern, computers (as required) document viewer, web camera
- Owner Supplied & Installed Furniture
  - Moveable stools (48x / per student + 2), movable workbenches.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Open.
  - Wall: Combination of painted gypsum wall board, acoustical panels.
  - Floor: Sealed concrete.
  - Base Material: Rubber.
  - Door: Single/double, 3’ – 0” wood door, vision panel, lever handle (2x); access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Wall mounted outlet at screen, quad outlet at lectern, duplex outlets at regular intervals around perimeter, overhead cable tray with power/ USB port (1 each per seat)/compressed air hose reel, and clean power outlets on each wall.
  - Data: Wireless connectivity throughout, hardwire power and data at lectern,
  - Lighting: 30 – 50 foot-candles, general LED indirect with dimmable direct at select locations, window shades as required, lighting at presentation wall to be switched separately
- Mechanical
  - Positive air pressure.
  - Air changes per code.
  - Filtration per code.
- Plumbing
  - Two floor drains with trap primer.
  - Utility sink and hand wash sinks.
- Access Controls for a secured environment
  - Access controlled room.
  - Lockable cabinets.

Dry Laboratory- Engineering

ROOM DIAGRAM



Room Dimension as shown: 32’-0x52’-0”
Tables 2’-8”x4”-0”

EXAMPLE IMAGES



Dry Laboratory- Engineering Material Lab

DATA

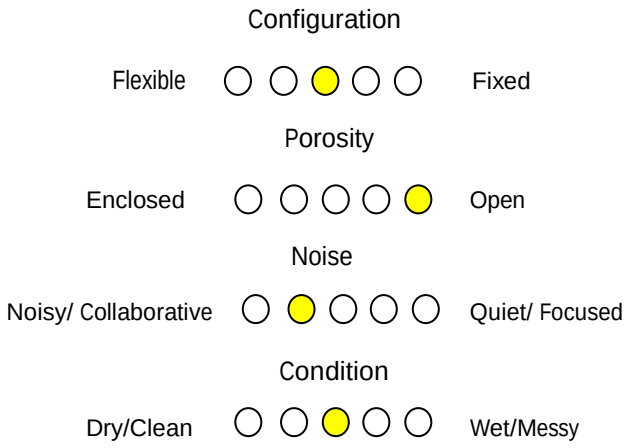
ASF Per Seat: 52.0 **Room Sizes**: Range from 1,664 NSF to 2,496 NSF

Room Occupancy: 32 – 48 **Maximum Occupancy:** 48 **Required Adjacencies:** Lab Preparation & Equipment

DESCRIPTION

This lab includes some open floor space for demonstrations and equipment with 6-person benches capable of supporting heavier loads. The lab will be used primarily as a materials dry lab and can also be other mechanical or instrumentation lab functions of a dry nature. Furniture can be fixed or more flexible depending upon the function.

QUALITIES



EQUIPMENT & FURNITURE

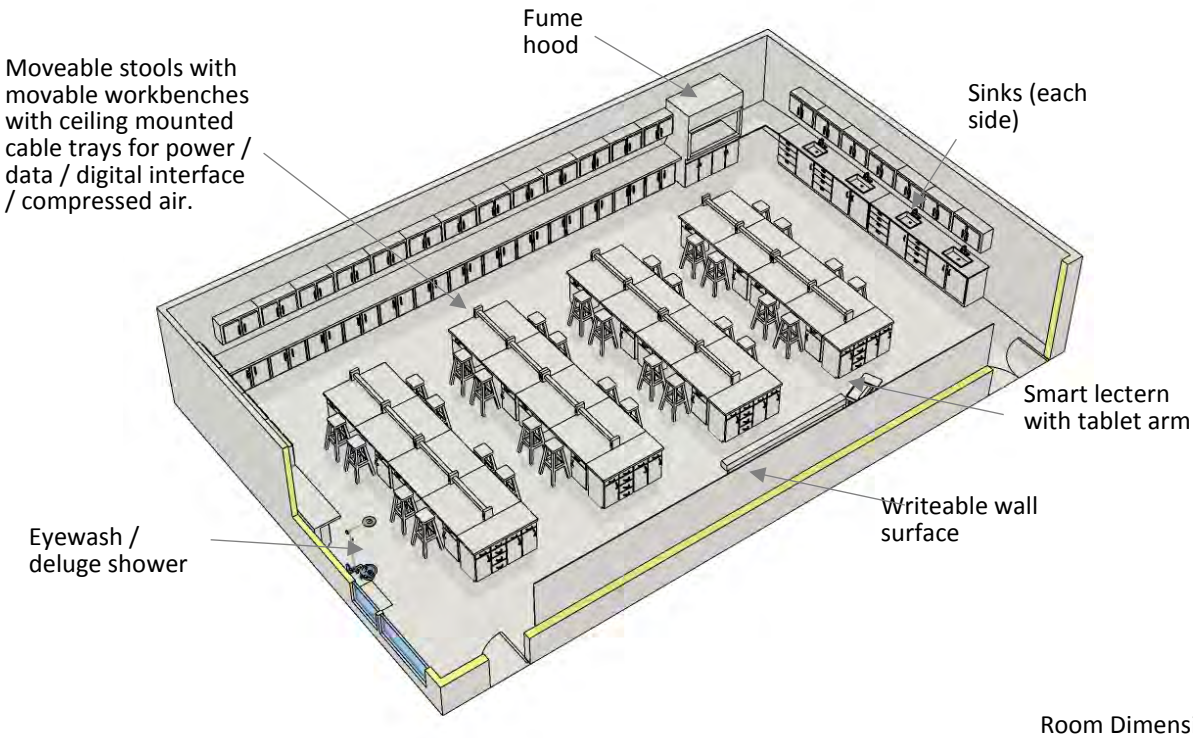
- Contractor Supplied & Installed Equipment
  - 6’ fume hood (1x), signage, window shades as required, all mountings, motorized projector screens, cabinetry, whiteboard surface (front & side), utility sink and hand wash sinks.
- Owner Supplied Contractor Installed Equipment
  - None
- Owner Supplied & Installed Equipment
  - Smart lectern, computers (as required) document viewer, web camera
- Owner Supplied & Installed Furniture
  - Moveable stools (48x / per student + 2), movable workbenches.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Open.
  - Wall: Combination of painted gypsum wall board, acoustical panels, dry erase “teaching wall” surfaces.
  - Floor: Sealed concrete.
  - Base Material: Rubber.
  - Door: double/single, 3’ – 0” wood doors, vision panel, lever handle (2x); access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Floor mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, overhead cable tray with power/ USB port (1 each per seat)/compressed air hose reel, and clean power outlets on each wall.
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: 30 – 50 foot-candles, general LED indirect with dimmable direct at select locations, window shades as required, lighting at presentation wall to be switched separately.
- Mechanical
  - Negative air pressure.
  - Air changes per code.
  - Filtration per code.
- Plumbing
  - Two floor drains with trap primer.
  - Utility sink and hand wash sinks.
  - At fume hood: natural gas, compressed air (3 walls), vacuum, water (3 walls).
  - Eyewash / deluge shower, drain/trap prime.
  - Distilled water supply.
- Access Controls for a secured environment
  - Access control room.
  - Lockable cabinets.

Dry Laboratory- Engineering Material Lab

ROOM DIAGRAM



Room Dimension as shown: 32’-0x52’-0”
Tables 2’-6”x4”-0”

EXAMPLE IMAGES



Dry Laboratory – Engineering Mechanical Research

DATA

ASF Per Seat: N/A **Room Sizes**: Range from 1,200 NSF to 1,400 NSF

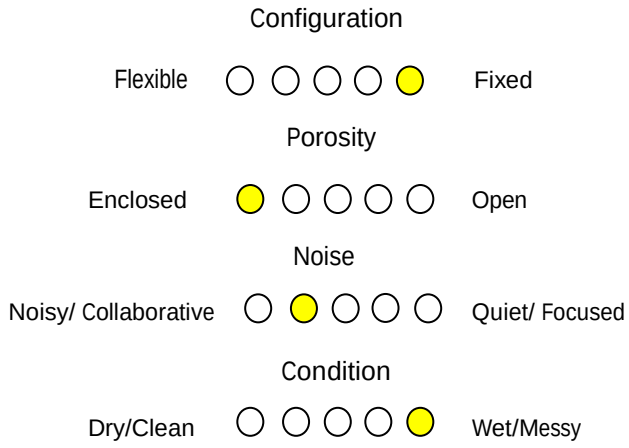
Room Occupancy: 16 – 24 **Maximum Occupancy:** 16

Required Adjacencies: Lab Storage, Preparation, & Equipment

DESCRIPTION

General laboratory to be used for research associated with Nano Biological and Materials Research. This lab will have benches with overhead delivery of associated gases and power outlets per bench. Alternative for shared central sink, a fume hood, glass wash area, and eyewash / shower. Storage at benches and access to cold storage support and equipment storage.

QUALITIES



EQUIPMENT & FURNITURE

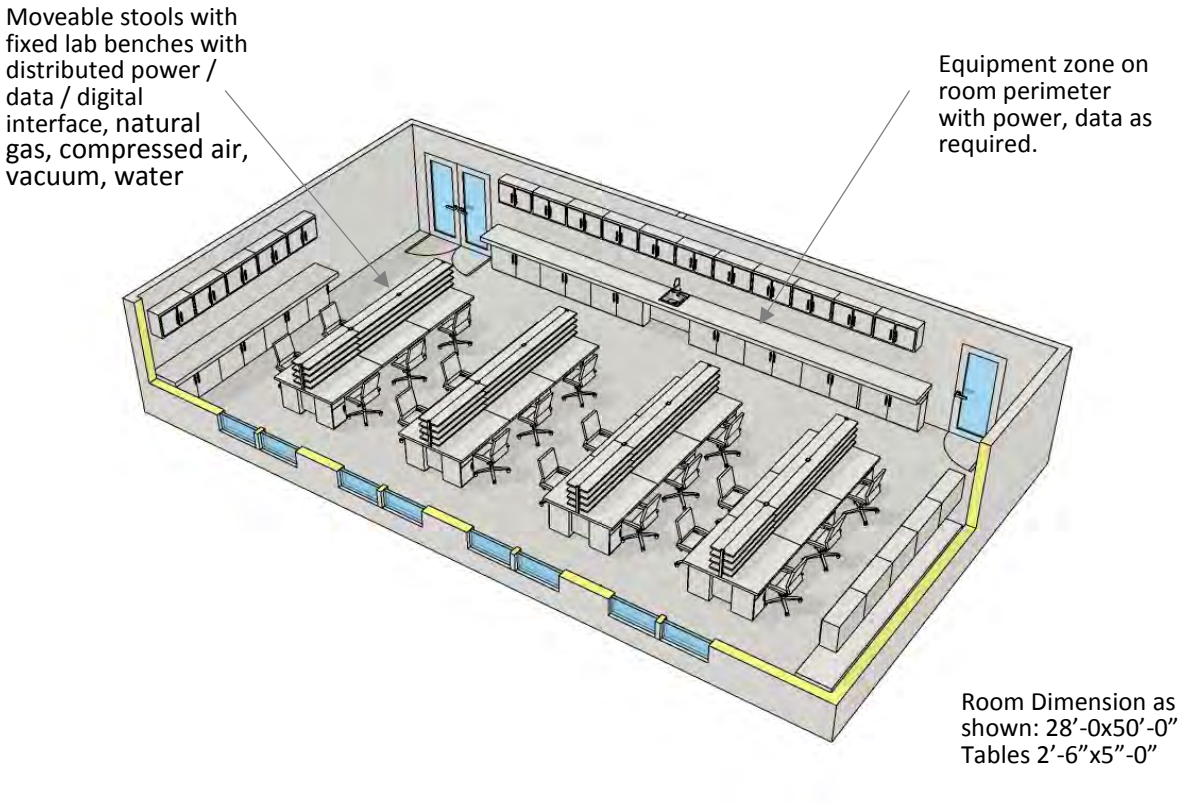
- Contractor Supplied & Installed Equipment
  - Signage, lab benches and casework (metal, science top surface), sink(s), signage, window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Countertop equipment.
- Owner Supplied & Installed Furniture
  - Moveable stools.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Washable mylar face acoustical tile.
  - Wall: Gypsum wall board, washable paint (epoxy or high sheen.
  - Floor: Seamless vinyl, chemical resistant, welded.
  - Base Material: Coved with flooring, welded.
  - Door: Single, 3’ – 7” wood door, vision panel, lever handle (2x); integrated into building security system.
- Power, Data, & Lighting
  - Power: Integral at lab benches, special as required for specific equipment selection to include (2) 3 Phase, 240 outlets, at each end of the lab. Four outlets with clean power.
  - Data: Wireless connectivity throughout, hardwire power and data at lab benches, workstations.
  - Lighting: 80 – 100 foot-candles, sealed fixtures / washable lens, LED indirect for general lighting with direct task lighting, window shades as required.
- Access Controls for a secured environment
  - Lockable room.
  - Lockable cabinets.
- Mechanical
  - Negative pressure.
  - Air changes per code.
  - Dedicated exhaust for entire room.
- Plumbing
  - Natural gas, compressed air, vacuum, water.
  - Sink with hot / cold supply and clinical solvent drain, acid resistant self rimming sinks, wrist blade faucets, hands free operation, goose neck spout, and hose sprayer. Distilled water supply.
  - Floor drains with trap primers.

Dry Laboratory – Engineering Mechanical Research

ROOM DIAGRAM



EXAMPLE IMAGES

Photos not available.

Wet Laboratory – Engineering Nano Biological and Materials Research

DATA

ASF Per Seat: N/A **Room Sizes**: Range from 1,500 NSF to 2,500 NSF

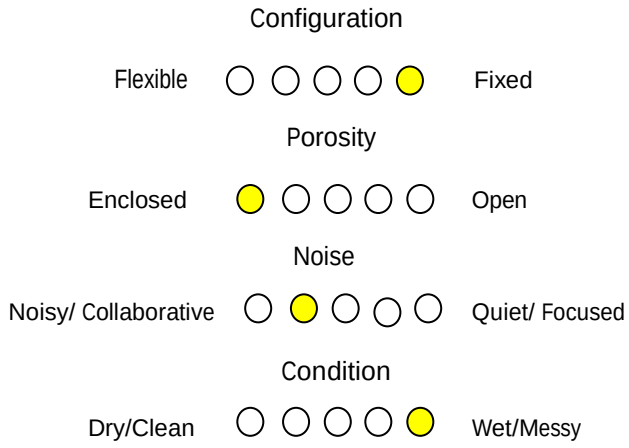
Room Occupancy: 12 – 16 **Maximum Occupancy:** 16

Required Adjacencies: Lab Storage, Preparation, & Equipment

DESCRIPTION

General laboratory to be used for research associated with Nano Biological and Materials Research. This lab will have benches with overhead delivery of associated gases. Power outlets and end sink units per bench with shared central sinks, a fume hood, glass wash area, and eyewash / shower. Storage at benches and access to cold storage support and equipment storage.

QUALITIES



EQUIPMENT & FURNITURE

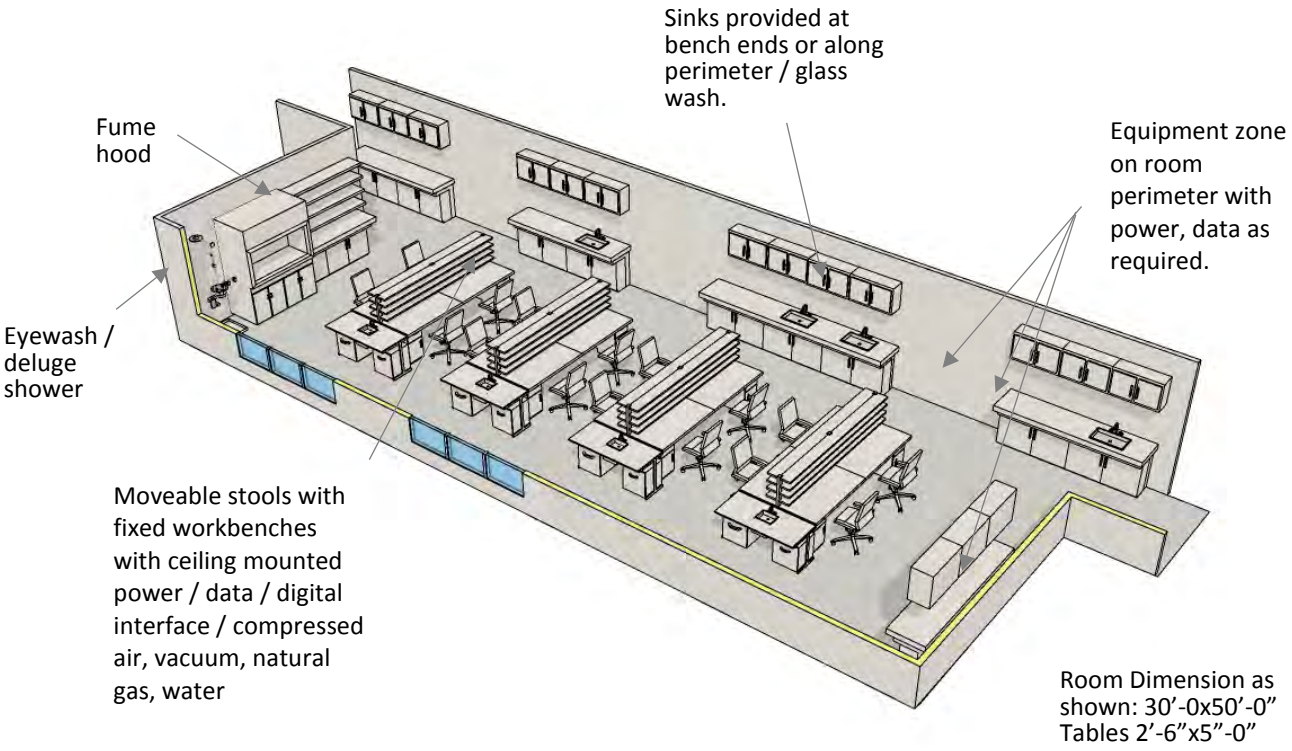
- Contractor Supplied & Installed Equipment
  - 6’ fume hood (1x), signage, lab benches and casework (metal, science top surface), sinks, signage, window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Countertop equipment.
- Owner Supplied & Installed Furniture
  - Moveable stools.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Washable mylar face acoustical tile.
  - Wall: Gypsum wall board, washable paint (epoxy or high sheen), dry erase “teaching wall” surfaces.
  - Floor: Seamless vinyl, chemical resistant, welded.
  - Base Material: Coved with flooring, welded.
  - Door: Single, 3’ – 0” wood door, vision panel, lever handle (2x); integrated into building security system.
- Power, Data, & Lighting
  - Power: Integral at lab benches, special as required for specific equipment selections. Four outlets with clean power, (2) 3-phase, 240V outlets at each end of the lab.
  - Data: Wireless connectivity throughout, Hardwire power and data at lab benches, workstations.
  - Lighting: 80 – 100 foot-candles, sealed fixtures / washable lens, LED indirect for general lighting with direct task lighting, window shades as required.
- Access Controls for a secured environment
  - Lockable room.
  - Lockable cabinets.
- Mechanical
  - Negative pressure.
  - Temperature control between 73°-74° or less.
  - Air changes per code.
  - Dedicated exhaust for entire room.
- Plumbing
  - Natural gas, compressed air, vacuum, water.
  - Sinks with hot / cold supply and clinical solvent drain, acid resistant self rimming sinks, wrist blade faucets, hands free operation, goose neck spout, and hose sprayer. Distilled water supply.
  - Floor drains with trap primers.
  - Eyewash / deluge shower, drain/trap primer.

Wet Laboratory – Engineering Nano Biological and Materials Research

ROOM DIAGRAM



EXAMPLE IMAGES





Wet Laboratory- Engineering Fluids Lab

DATA

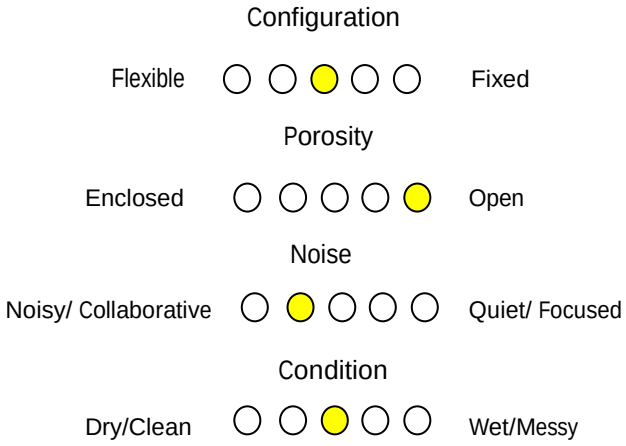
ASF Per Seat: 52.0 **Room Sizes**: Range from 2,100 NSF to 3,120 NSF

Room Occupancy: 32 – 48 **Maximum Occupancy:** 48 **Required Adjacencies:** Lab Preparation & Equipment

DESCRIPTION

This lab includes some open floor space for demonstrations and equipment on a depressed slab with floor grates and trench drains. 6-person benches capable of supporting heavier loads for 32-48 students. This lab uses a high level of water for specialized equipment.

QUALITIES



EQUIPMENT & FURNITURE

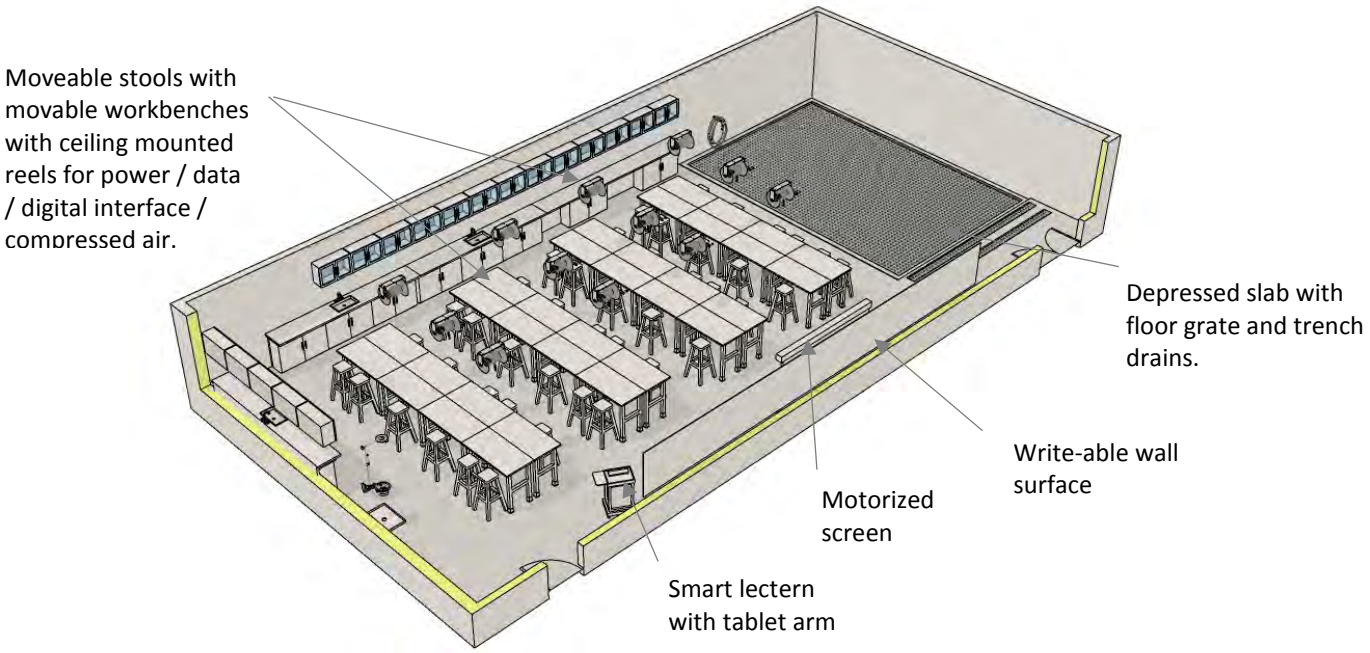
- Contractor Supplied & Installed Equipment
  - Signage, window shades as required, all mountings, motorized projector screens (inset in ceiling), cabinetry, movable workbenches, whiteboard surface (front & side), utility sink and hand wash sinks.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Smart lectern, computers (as required) document viewer, web camera.
- Owner Supplied & Installed Furniture
  - Moveable stools (32-48 / per student + 2).

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Open.
  - Wall: Combination of painted gypsum wall board, acoustical panels, dry erase “teaching wall” surfaces.
  - Floor: Sealed concrete.
  - Base Material: Rubber.
  - Door: Double/single, 3’ – 0” wood door, vision panel, lever handle (2x); integrated into building security system
- Power, Data, & Lighting
  - Power: Floor mounted quad outlet at lectern, duplex outlets at regular intervals around perimeter, overhead cable tray with power/ USB port (1 each per seat)/compressed air hose reel, and clean power outlets on each wall.
  - Data: Wireless connectivity throughout, hardwire power and data at lectern.
  - Lighting: 30 – 50 foot-candles, general LED indirect with dimmable direct at select locations, window shades as required, lighting at presentation wall to be switched separately.
- Mechanical
  - Positive air pressure.
  - Air changes per code.
  - Filtration per code.
- Plumbing
  - Metal grate over trench drain in a depressed slab, on ground floor- specifically for large equipment requiring water and drainage, determine size of area during design.
  - Two utility sinks and hand wash sinks, hose bib with potable water at large equipment area.
  - Distilled Water.
  - Eye wash/deluge shower.
- Access Controls for a secured environment
  - Lockable room.
  - Lockable cabinets.

Wet Laboratory- Engineering Fluids Lab

ROOM DIAGRAM



EXAMPLE IMAGES

Photos not available.

Wet Laboratory – Research

DATA

ASF Per Seat: N/A **Room Sizes**: Range from 1,500 NSF to 2,500 NSF

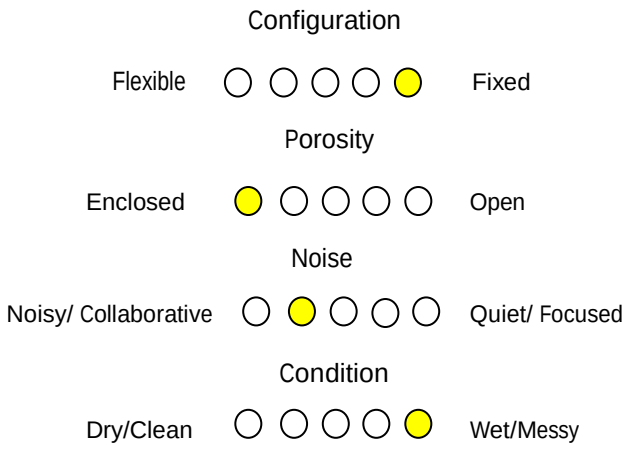
Room Occupancy: 12 – 16 **Maximum Occupancy:** 16

Required Adjacencies: Lab Storage, Preparation, & Equipment

DESCRIPTION

General laboratory to be used for research associated with grant protocols. This lab will have benches with overhead delivery of associated gases. Power outlets and end sink units per bench with shared central sinks, a fume hood, glass wash area, and eyewash / shower. Storage at benches and access to cold storage support and equipment storage.

QUALITIES



EQUIPMENT & FURNITURE

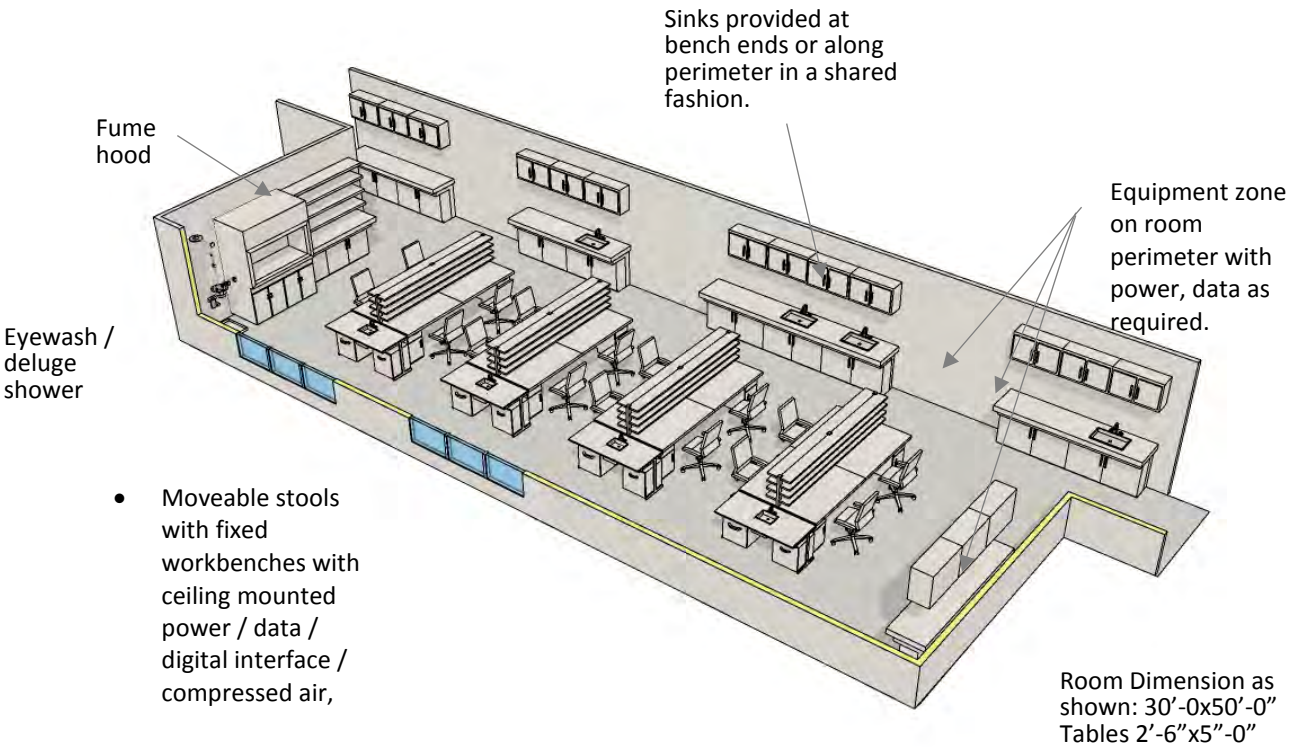
- Contractor Supplied & Installed Equipment
  - 6’ fume hood (2 – 4x), signage, lab benches and casework (metal, science top surface) sinks, signage, window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Countertop equipment.
- Owner Supplied & Installed Furniture
  - Moveable stools.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Washable mylar face acoustical tile.
  - Wall: Gypsum wall board, washable paint (epoxy or high sheen), dry erase “teaching wall” surfaces.
  - Floor: Seamless vinyl, chemical resistant, welded.
  - Base Material: Coved with flooring, welded.
  - Door: Single, 3’ – 7” wood door, vision panel, lever handle (2x); access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Integral at lab benches, special as required for specific equipment selections.
  - Data: Wireless connectivity throughout, hardwire power and data at lab benches, workstations.
  - Lighting: 80 – 100 foot-candles, sealed fixtures / washable lens, LED indirect for general lighting with direct task lighting, window shades as required.
- Access Controls for a secured environment
  - Access controlled room.
  - Lockable cabinets.
- Mechanical
  - Negative pressure.
  - Air changes per code.
  - Filtration per code.
- Utility
  - Natural gas, compressed air, vacuum, water.
  - Sinks with hot / cold supply and clinical solvent drain, acid resistant self-rimming sinks, wrist blade faucets, hands free operation, goose neck spout, and hose sprayer. Distilled water supply.
  - Floor drains with primer.
  - Eyewash/deluge shower.

Wet Laboratory – Research

ROOM DIAGRAM



EXAMPLE IMAGES





Office Spaces

Executive Office – EVP/SVP/VP

Executive Office - AVP/Ex. Dir/Dean/Chief

Office - Manager/Coord/Tenure/Ten Track

Office – Director/Assoc. Dean/Prog. Chair

Office – Full Time Faculty/FTE Staff

Part Time Faculty & Staff/Post Doc/Hoteling

Receptionist

Open Workstations

PhD Student Workstations

Small Conference Room

Medium Conference Room

Large Conference Room



Office Spaces

Executive Offices - Executive V.P / Senior V.P / Vice President

DATA

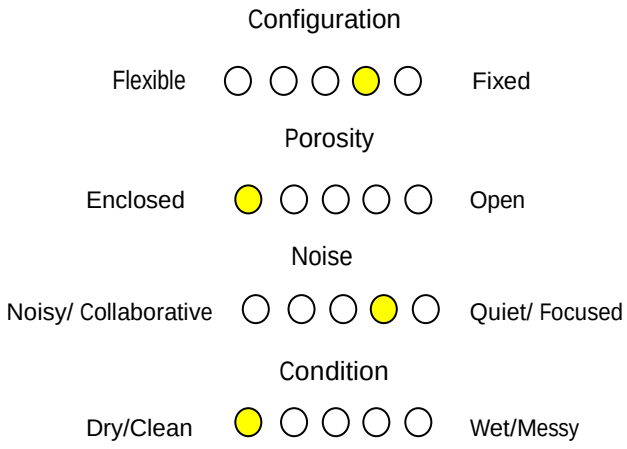
ASF Per Seat: N/A **Room Sizes**: Range from 350 NSF to 500 NSF

Room Occupancy: 1 – 7 **Maximum Occupancy:** 7 **Required Adjacencies:** Administrative Support

DESCRIPTION

The Executive Office provides for an executive desk with bookshelves / credenza, an additional wall of bookshelves with base file drawers, either a small round conference table for meetings of 6 or an area for lounge seating to accommodate 4 to 6 people.

QUALITIES



EQUIPMENT & FURNITURE

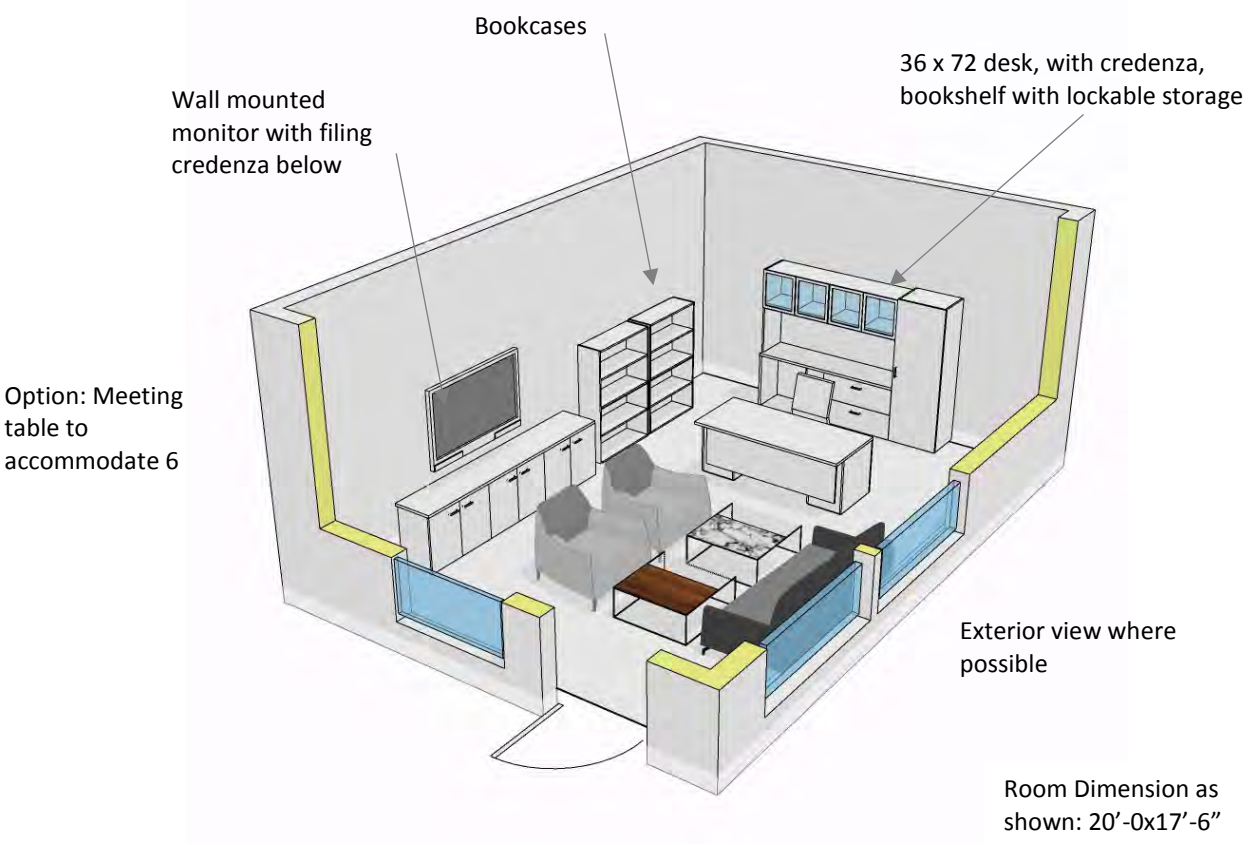
- Contractor Supplied & Installed Equipment
  - Window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Computer, monitor.
- Owner Supplied & Installed Furniture
  - Executive desk, bookshelves, credenza, base file cabinets, conference table, chairs, or lounge seating.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Combination of painted gypsum wall board, wood panel as accent.
  - Floor: Carpet tiles or luxury vinyl tile (LVT).
  - Base Material: 6” – 8” rubber base.
  - Door: Single, 3’ – 0” wood door, lever handle (2x); keyed, if located on a public corridor access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Quad outlet at desk, duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity throughout, hardwire power and data at desk,
  - Lighting: Daylight balanced wall wash, general LED lighting, up-lighting in the desk area, down-lighting at conference areas.
- Access Controls for a Secured Environment
  - Lockable room.
  - Lockable cabinets.

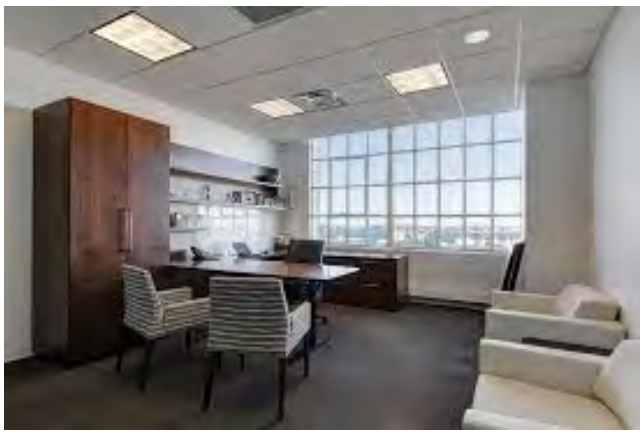
Executive Offices - Executive V.P / Senior V.P / Vice President

ROOM DIAGRAM



EXAMPLE IMAGES





Office Spaces

Executive Offices- Associate V.P. / Executive Director / Dean / Chief

DATA

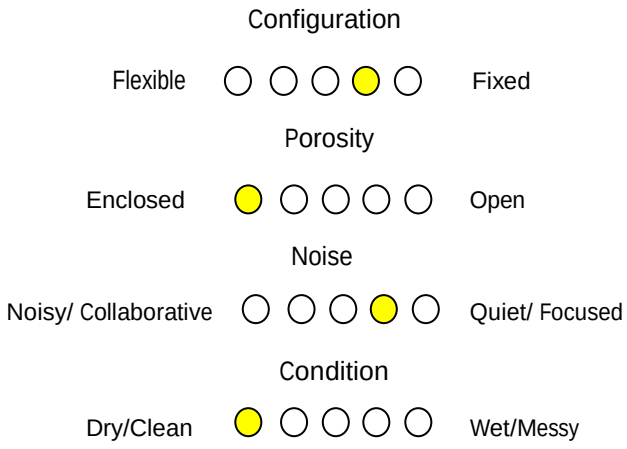
ASF Per Seat: N/A **Room Sizes**: Range from 180 NSF to 250 NSF

Room Occupancy: 1 – 5 **Maximum Occupancy:** 5 **Required Adjacencies:** Administrative Support

DESCRIPTION

This Executive Office provides for an executive desk with bookshelves / credenza, an additional wall of bookshelves with base file drawers, small round conference table for meetings of 4 or less, or an area for visitor seating to accommodate 2 to 4 people.

QUALITIES



EQUIPMENT & FURNITURE

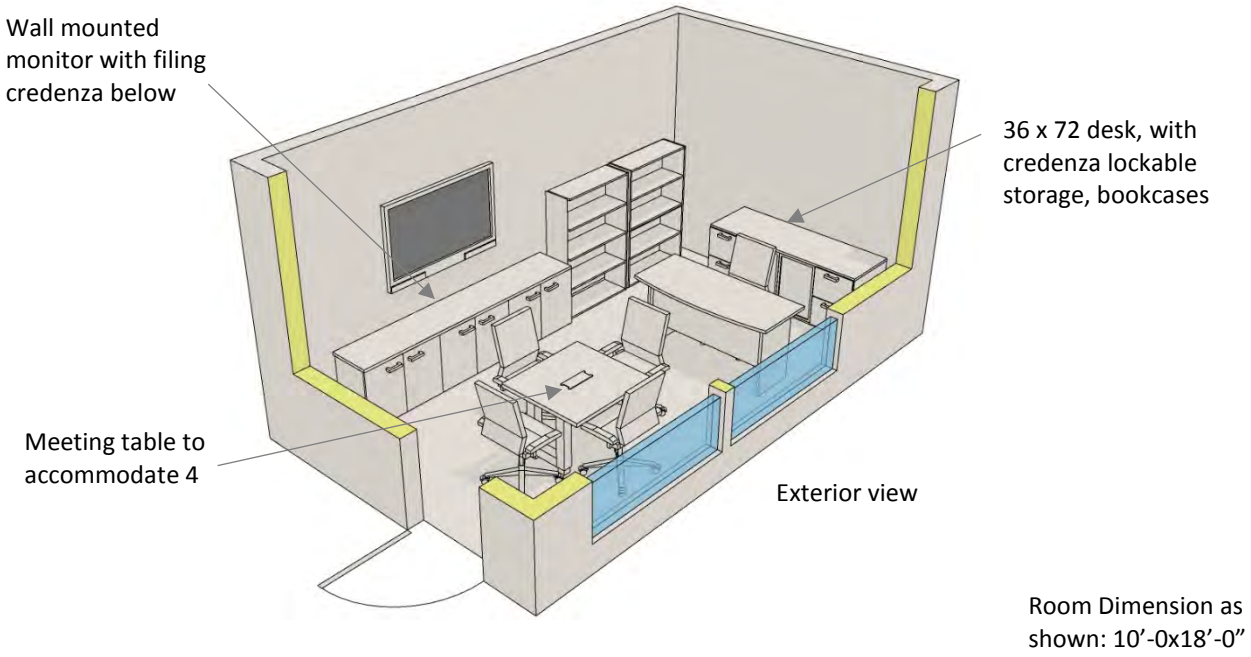
- Contractor Supplied & Installed Equipment
  - Window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Computer, monitor.
- Owner Supplied & Installed Furniture
  - Executive desk, bookshelves, credenza, base file cabinets, conference table, chairs, or lounge seating.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Combination of painted gypsum wall board, wood panel as accent.
  - Floor: Luxury vinyl tile (LVT)
  - Base Material: 6” – 8” wood base.
  - Door: Single, 3’ – 0” wood door, lever handle (2x); keyed, access control if located on a public corridor integrated into building security system.
- Power, Data, & Lighting
  - Power: Quad outlet at desk, duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity throughout, hardwire power and data at desk.
  - Lighting: Daylight balanced wall wash, general LED lighting, up-lighting in the desk area, down-lighting at conference areas.
- Access Controls for a Secured Environment
  - Lockable room.
  - Lockable cabinets.

Executive Offices- Associate V.P. / Executive Director / Dean / Chief

ROOM DIAGRAM



Room Dimension as shown: 10’-0x18’-0”

EXAMPLE IMAGES





Offices- Manager / Coordinator / Tenure and Tenure Track

DATA

ASF Per Seat: N/A

Room Sizes: Range from 110 NSF to 120 NSF

Room Occupancy: 1 –3

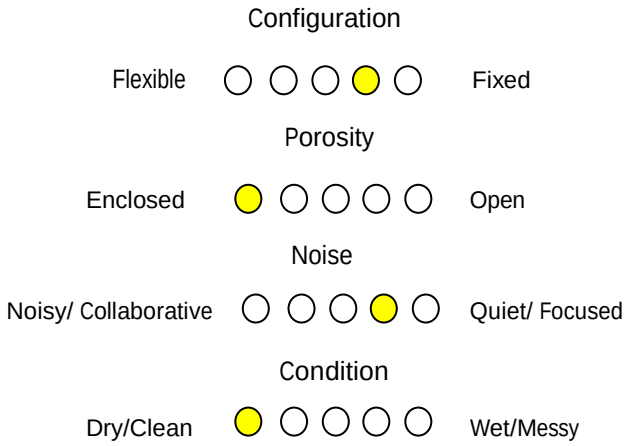
Maximum Occupancy: 3

Required Adjacencies: Administrative Support

DESCRIPTION

This Office provides for an executive "U" desk with bookshelves / credenza, base file drawers, bookcase, and guest chairs.

QUALITIES



EQUIPMENT & FURNITURE

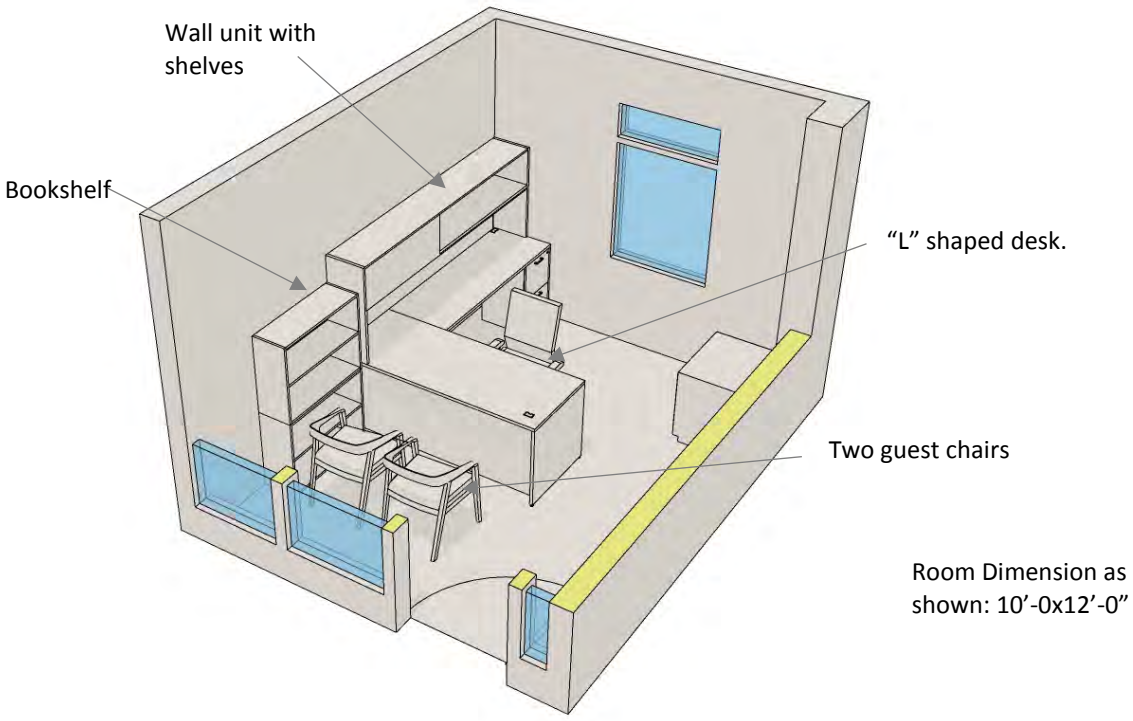
- Contractor Supplied & Installed Equipment
  - Window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Computer, monitor.
- Owner Supplied & Installed Furniture
  - Executive "L" desk with shelves and base file drawers, a unit of bookshelves, and guest chairs.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Combination of painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: 6" – 8" wood base.
  - Door: Single, 3' – 0" wood door, lever handle (2x); keyed, control access if located along a public corridor, integrated into building security system.
- Power, Data, & Lighting
  - Power: Quad outlet at desk, duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity throughout, hardwire power and data at desk.
  - Lighting: Daylight balanced wall wash, can lights with direct / indirect general LED lighting.
- Access Controls for a Secured Environment
  - Lockable room.
  - Lockable cabinets.

Offices- Manager / Coordinator / Tenure and Tenure Track

ROOM DIAGRAM



EXAMPLE IMAGES





Office Spaces

Executive Offices - Director / Associate Dean / Program Chair

DATA

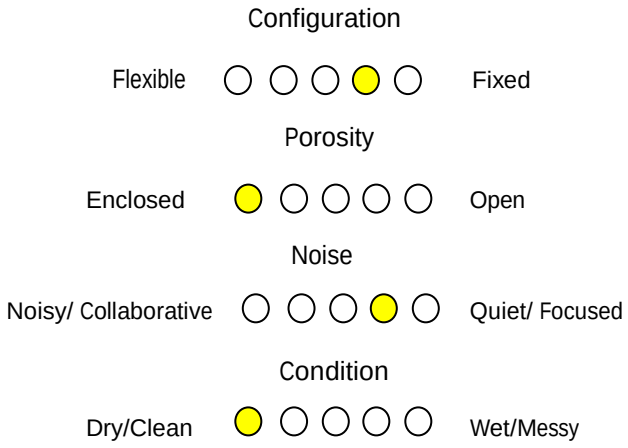
ASF Per Seat: N/A **Room Sizes**: Range from 150 NSF to 180 NSF

Room Occupancy: 1 – 5 **Maximum Occupancy:** 5 **Required Adjacencies:** Administrative Support

DESCRIPTION

This Executive Offices provides for an executive desk, bookshelves, credenza with file drawers, small conference table for meetings of 4 or less, or an area for visitor seating to accommodate 2 to 3 people.

QUALITIES



EQUIPMENT & FURNITURE

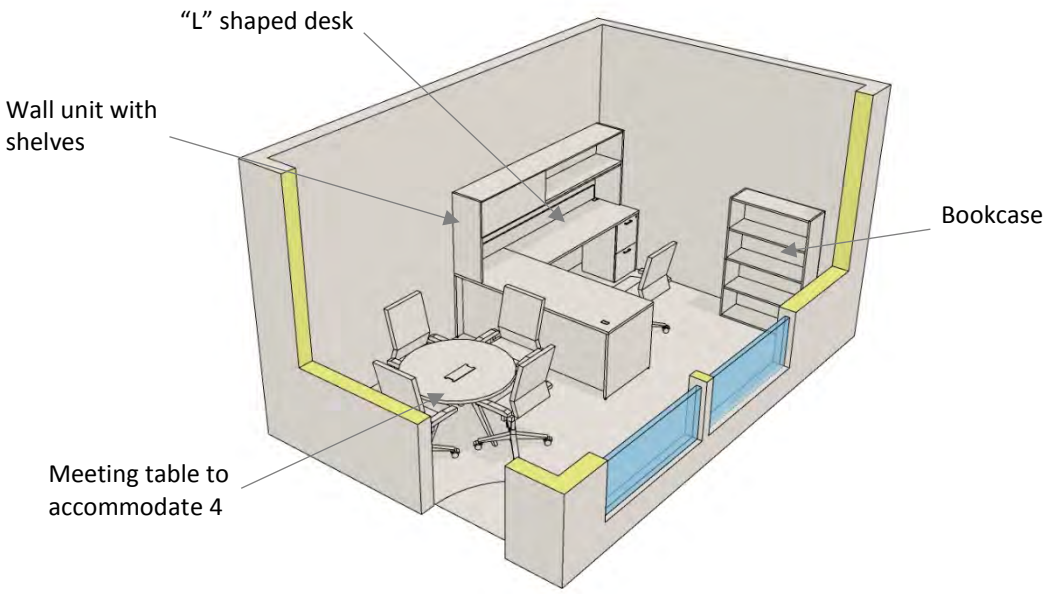
- Contractor Supplied & Installed Equipment
  - Window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Computer.
- Owner Supplied & Installed Furniture
  - Executive “L” desk with shelves and base file drawers, a unit of bookshelves, conference table and chairs.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Combination of painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: 6” – 8” wood base.
  - Door: Single, 3’ – 0” wood door, lever handle (2x); keyed, control access if located on a public corridor, integrated into building security system.
- Power, Data, & Lighting
  - Power: Quad outlet at desk, duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity throughout, hardwire power and data at desk.
  - Lighting: Daylight balanced wall wash, general LED lighting, up-lighting in the desk area, down-lighting at conference areas, window shades as required.
- Access Controls for a Secured Environment
  - Lockable room.
  - Lockable cabinets.

Executive Offices - Director / Associate Dean / Program Chair

ROOM DIAGRAM



Room Dimension as shown: 10'-0x15'-0"

EXAMPLE IMAGES





Offices- Faculty / FTE Staff

DATA

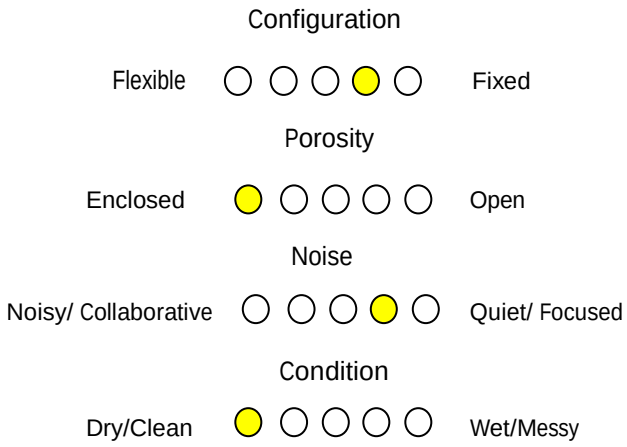
ASF Per Seat: N/A **Room Sizes**: Range from 100 NSF

Room Occupancy: 1 – 3 **Maximum Occupancy:** 3 **Required Adjacencies:** Administrative Support

DESCRIPTION

The office is for faculty and full-time employees requiring an office to conduct confidential business or meets frequently with students or small groups. The office will accommodate a "U"-shaped desk with upper storage, lower files and two guest chairs.

QUALITIES



EQUIPMENT & FURNITURE

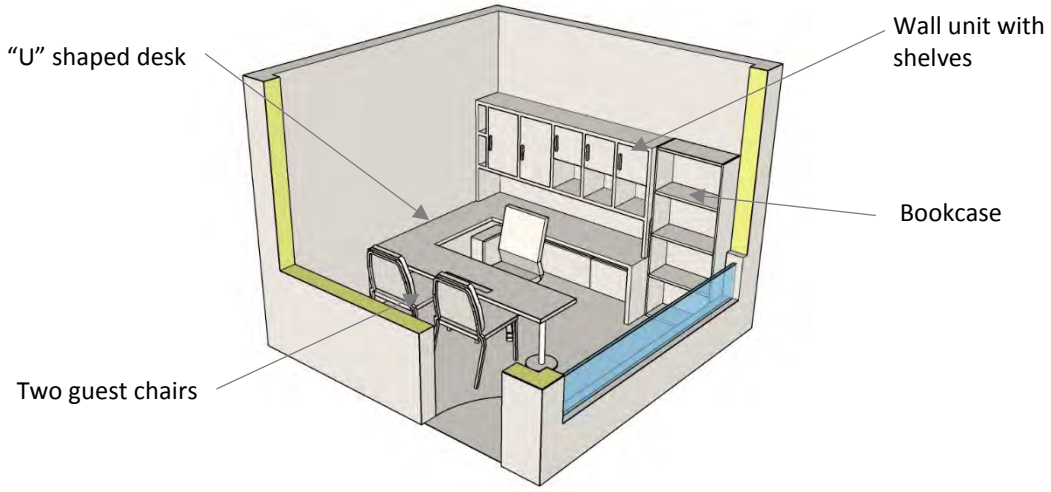
- Contractor Supplied & Installed Equipment
  - Window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Computer.
- Owner Supplied & Installed Furniture
  - "L"-shaped desk with upper storage, lower files, two guest chairs and a bookcase.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Combination of painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: 6" – 8" wood base.
  - Door: Single, 3' – 0" wood door, lever handle (2x); keyed.
- Power, Data, & Lighting
  - Power: Quad outlet at desk, duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity throughout, hardwire power and data at desk.
  - Lighting: Daylight balanced wall wash, can lights with direct / indirect general LED lighting, window shades as required.
- Access Controls for a Secured Environment
  - Lockable room.
  - Lockable cabinets.

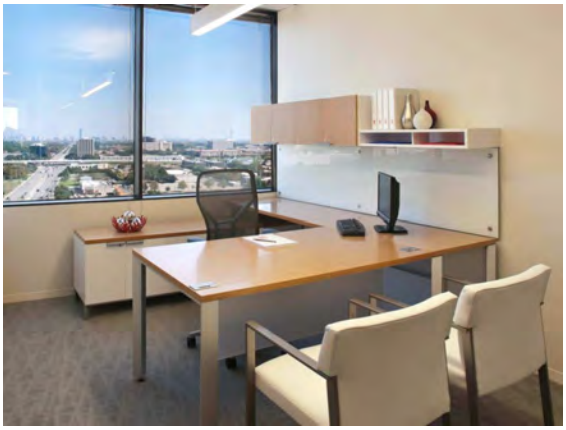
Offices- Faculty / FTE Staff

ROOM DIAGRAM



Room Dimension as shown: 10'-0x10'-0"

EXAMPLE IMAGES





Office Spaces

Offices- PT Faculty / PT Staff / Post Docs / Hoteling

-DATA

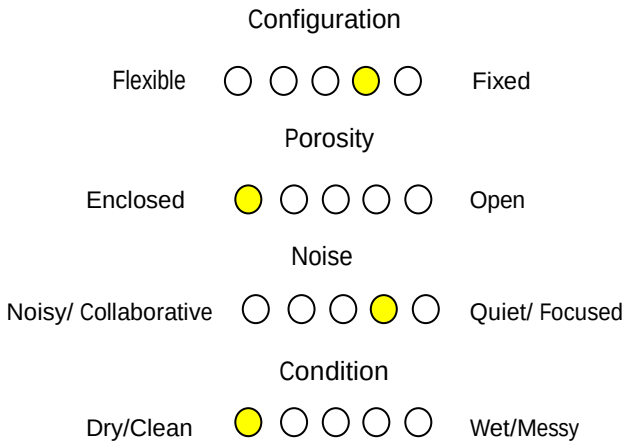
ASF Per Seat: 60 **Room Sizes**: 120 NSF

Room Occupancy: 1 – 2 **Maximum Occupancy:** 2 **Required Adjacencies:** Administrative Support

DESCRIPTION

The office is for part-time faculty, part-time staff, post doctorate students, and hoteling to prepare for classes and meet with students. The office will accommodate two "L"-shaped desk with upper storage, lower files and a guest chair.

QUALITIES



EQUIPMENT & FURNITURE

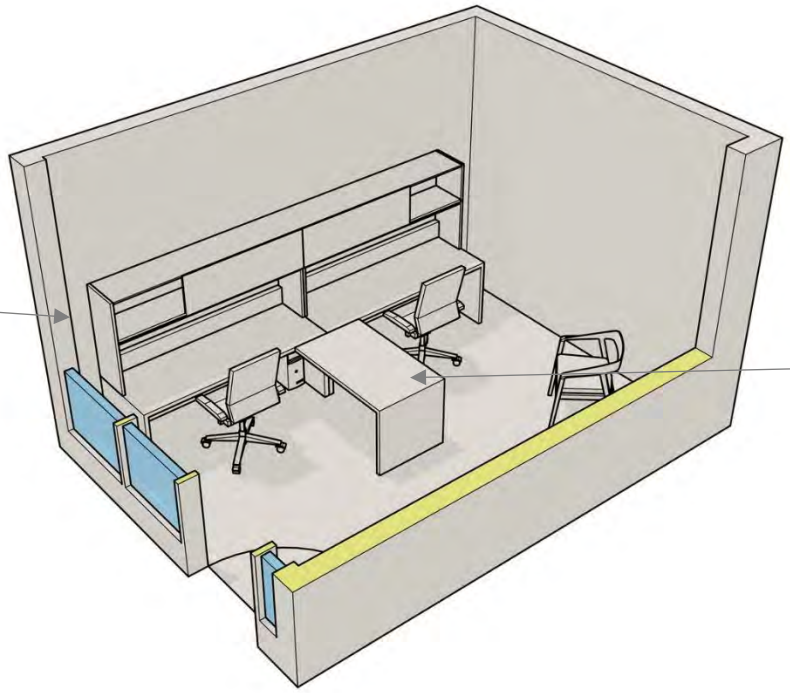
- Contractor Supplied & Installed Equipment
  - Window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Computer.
- Owner Supplied & Installed Furniture
  - Two desks with upper storage, shared side table, and guest chair.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Combination of painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT)
  - Base Material: 6" – 8" wood base.
  - Door: Single, 3' – 0" wood door, lever handle (2x); keyed.
- Power, Data, & Lighting
  - Power: Quad outlet at desk, duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity throughout, hardwire power and data at desk.
  - Lighting: Daylight balanced wall wash, direct general LED lighting, window shades as required.
- Access Controls for a Secured Environment
  - Lockable room.
  - Lockable cabinets.

Offices- PT Faculty / PT Staff / Post Docs / Hoteling

ROOM DIAGRAM



Room Dimension as shown:
10’-0x12’-0”

EXAMPLE IMAGES



Receptionist Office

DATA

ASF Per Seat: N/A

Room Sizes: 140 NSF

Room Occupancy: 1 – 3

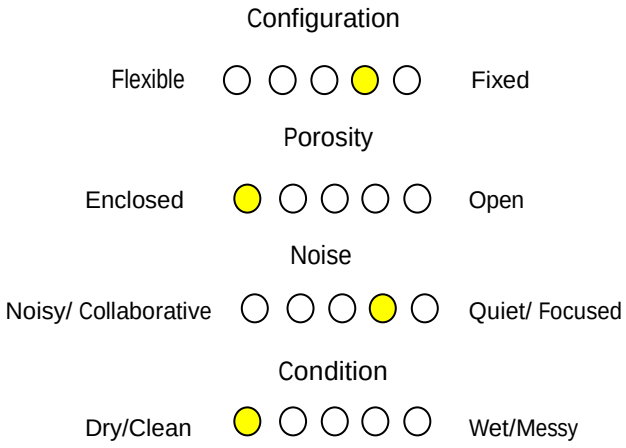
Maximum Occupancy: 3

Required Adjacencies: Administrative Support

DESCRIPTION

The Receptionist Office can be open as shown in the photo below or semi-enclosed with a transaction window. The office will accommodate two "L"-shaped desk with upper storage, lower files.

QUALITIES



EQUIPMENT & FURNITURE

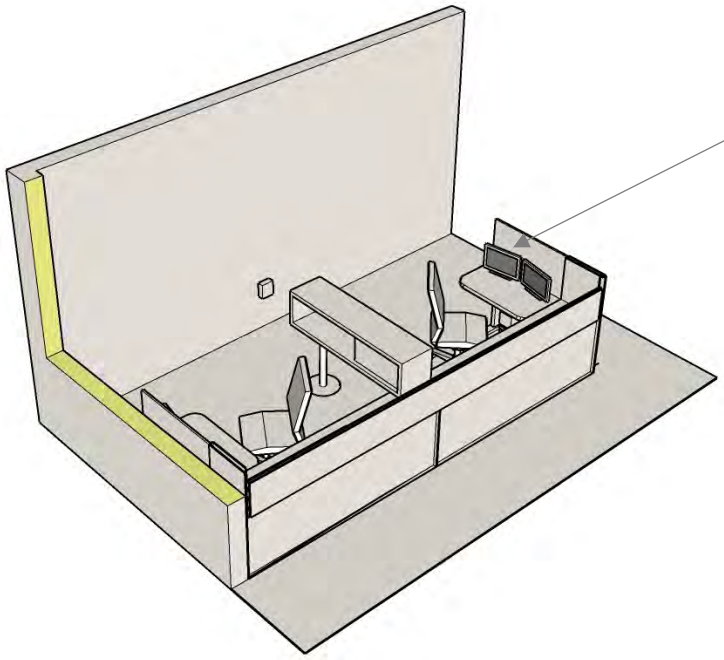
- Contractor Supplied & Installed Equipment
  - Window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Computer, monitor.
- Owner Supplied & Installed Furniture
  - "L"-shaped desk with upper storage, shared side table and guest chair. Additional storage as shown in the right-hand photo is optional.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Combination of painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: 6" – 8" wood base.
  - Door: Open.
- Power, Data, & Lighting
  - Power: Quad outlet at desk, duplex outlets at regular intervals at perimeter.
  - Data: Wireless connectivity throughout, hardwire power and data at desk.
  - Lighting: Daylight balanced wall wash, direct general LED lighting, window shades as required.
- Access Controls for a Secured Environment
  - Lockable cabinets.

Receptionist Office

ROOM DIAGRAM

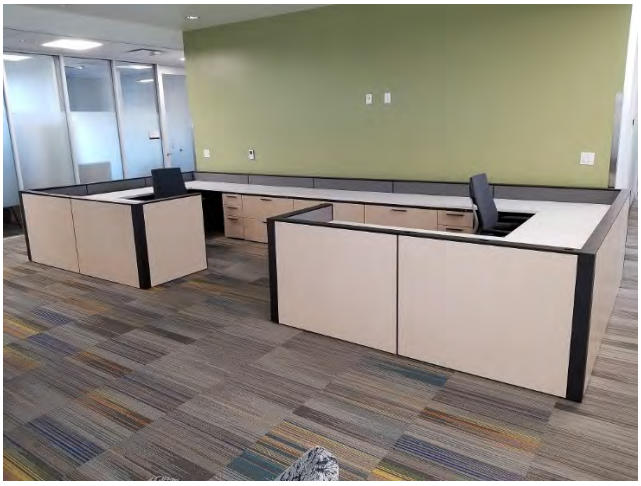


"L" shaped desks with shared side or storage

Note: Reception area will likely be an open area, as shown in the left hand photograph

Room Dimension as shown: 14'-0x10'-0"

EXAMPLE IMAGES





Open Workstations (Small & Medium)

DATA

ASF Per Seat: 30-60

Room Sizes: Range from 30 NSF (students and part-time staff) to 64 NSF (full-time administrative staff), each

Room Occupancy: 1

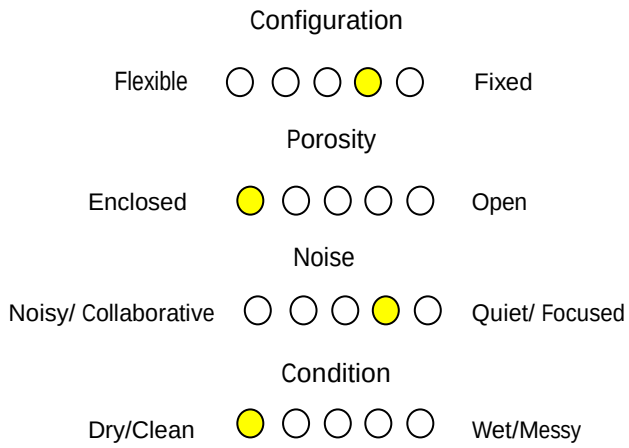
Maximum Occupancy: 2 (with guest)

Required Adjacencies: Administrative Support

DESCRIPTION

The Open Workstations are for full-time, part-time staff and student workers. The large workstations are for full-time staff, the small workstations are for part-time staff, research assistants, teaching assistants, graduate students and student workers. The workstations will be modular systems with some upper and lower storage at the large and medium stations and lower storage at the part-time stations.

QUALITIES



EQUIPMENT & FURNITURE

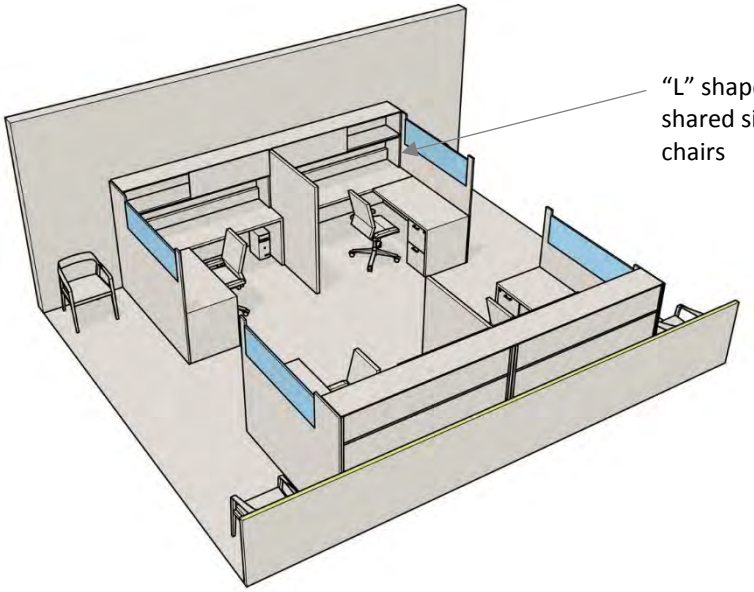
- Contractor Supplied & Installed Equipment
  - Window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Computer.
- Owner Supplied & Installed Furniture
  - "L" or "U"-shaped desk with upper storage, and lower files. One guest chair in the larger stations.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Combination of painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: 6" – 8" wood base.
  - Door: None at stations, office suites will have doors keyed entry.
- Power, Data, & Lighting
  - Power: Quad outlet at desk, duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity throughout, hardwire power and data at desk.
  - Lighting: Daylight balanced wall wash, direct general LED lighting, window shades as required.
- Access Controls for a Secured Environment
  - Lockable room.
  - Lockable cabinets.

Open Workstations (Small & Medium)

ROOM DIAGRAM



Workstation Dimensions vary

EXAMPLE IMAGES



8' by 8' Workstation



5' by 6' Workstation

PhD / Grad Student Workstations

DATA

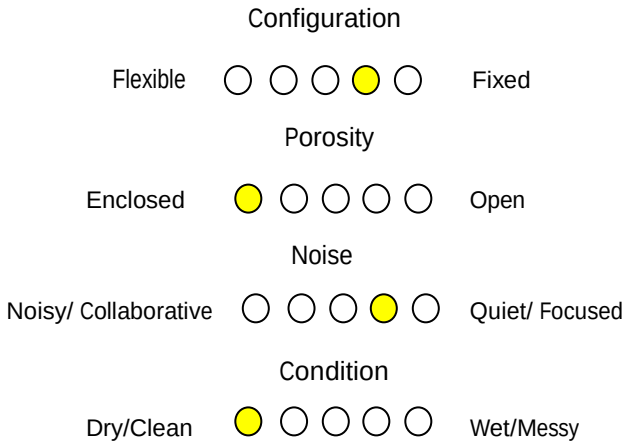
ASF Per Seat: 25 **Room Sizes**: 25 NSF, each

Room Occupancy: 12-16 **Maximum Occupancy:** 16 **Required Adjacencies:** Departments

DESCRIPTION

The PhD/ Grad Student Workstations are for students in graduate school or completing their PhD and require a space. The office will accommodate a series of workstations with lockable storage unit and chair.

QUALITIES



EQUIPMENT & FURNITURE

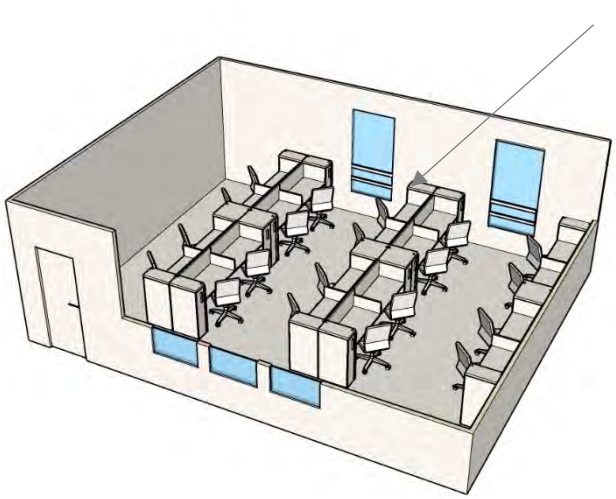
- Contractor Supplied & Installed Equipment
  - Window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None
- Owner Supplied & Installed Equipment
  - Computers.
- Owner Supplied & Installed Furniture
  - Workstation with storage unit and chair

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Combination of painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: Rubber.
  - Door: Open with single, 3’ – 0” wood door, lever handle (2x) at entrance; keyed access.
- Power, Data, & Lighting
  - Power: Quad outlet at desk, duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity throughout, hardwire power and data at desk.
  - Lighting: Daylight balanced wall wash, can lights with direct / indirect general LED lighting.
- Access Controls for a Secured Environment
  - Lockable room.
  - Lockable cabinets.

PhD / Grad Student Workstations

ROOM DIAGRAM



Each workstation
dimensions: 4’-0”x2’-6”,
storage unit: 1’-0”x2’-6”

EXAMPLE IMAGES



Small Conference Room

DATA

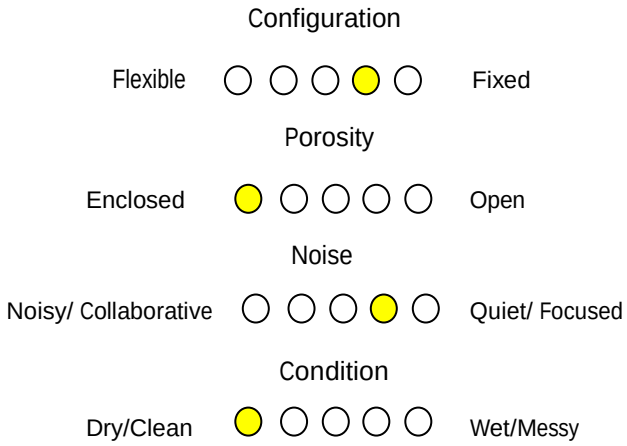
ASF Per Seat: 18 **Room Sizes**: Range from 120 NSF to 140 NSF

Room Occupancy: 4 – 8 **Maximum Occupancy:** 8 **Required Adjacencies:** Administrative Support

DESCRIPTION

The Small Conference Room provides seating for up to six people. The room will have writable wall surface, oblong or rectangular table and six chairs.

QUALITIES



EQUIPMENT & FURNITURE

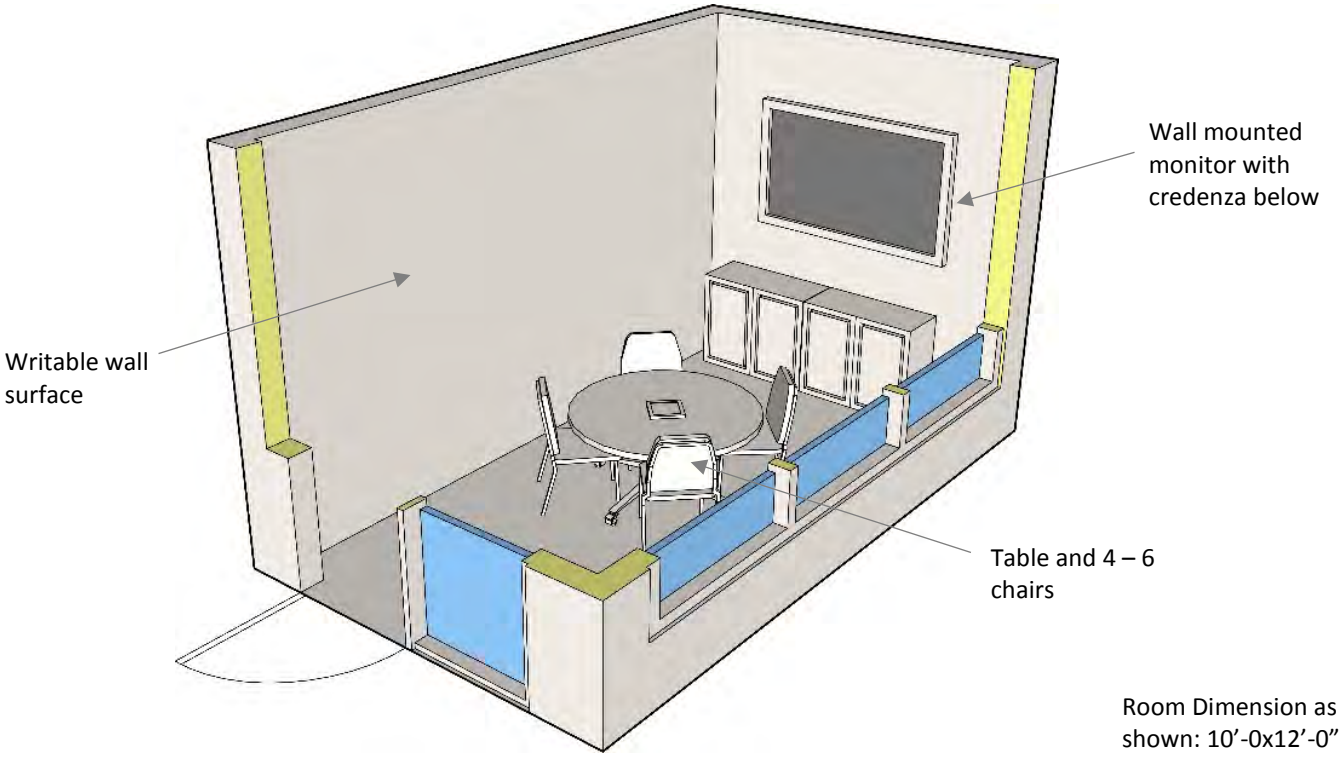
- Contractor Supplied & Installed Equipment
  - Window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Monitor.
- Owner Supplied & Installed Furniture
  - Oblong or rectangular table and 4 – 6 chairs

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Combination of painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base material: 6” – 8” wood base.
  - Door: Single, 3’ – 0” wood door, lever handle (2x); keyed.
- Power, Data, & Lighting
  - Power: Quad outlet at desk, duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity throughout, hardwire power and data at table.
  - Lighting: Daylight balanced wall wash, direct general LED lighting, window shades as required.
- AV Capabilities
  - 65” monitor (1).
- Access Controls for a Secured Environment
  - Lockable room.
  - Lockable cabinets.

Small Conference Room

ROOM DIAGRAM



EXAMPLE IMAMGES





Medium Conference Room

DATA

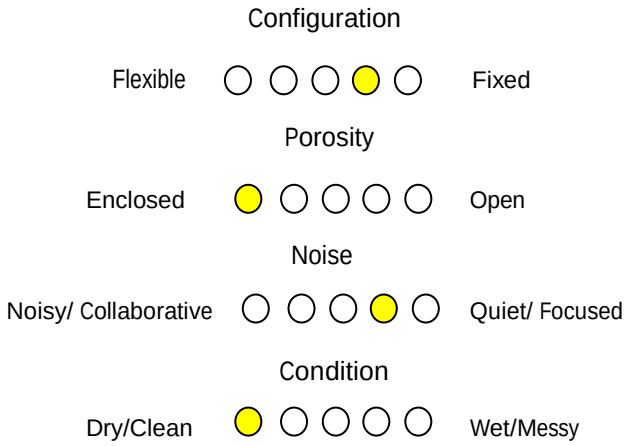
ASF Per Seat: 18.0 **Room Sizes**: Range from 200 NSF to 250 NSF

Room Occupancy: 10 – 15 **Maximum Occupancy:** 15 **Required Adjacencies:** Administrative Support

DESCRIPTION

The Medium Conference Room provides seating for up to six people. The room will have wall-mounted dry-erase boards, oblong or rectangular table and six chairs.

QUALITIES



EQUIPMENT & FURNITURE

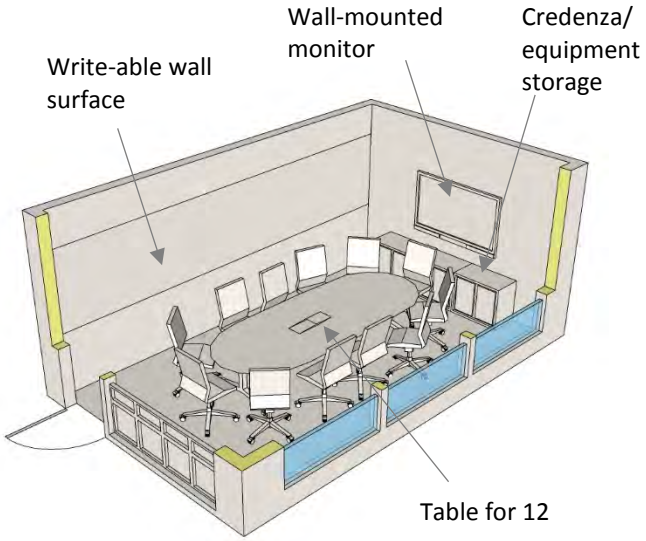
- Contractor Supplied & Installed Equipment
  - Window shades as required, 4’ write-able wall covering, with magnetic top rail and reveal around perimeter (min. 2 walls).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied and Installed Equipment
  - Monitor.
- Owner Supplied and Installed Furniture
  - Oblong or rectangular table and 8-12 chairs.

TECHNICAL REQUIREMENTS

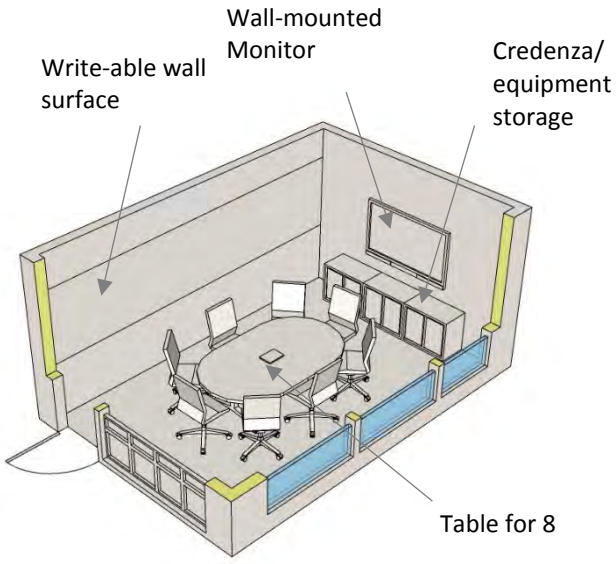
- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Combination of painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: 6” – 8” wood base.
  - Door: Single, 3’ – 0” wood door, lever handle (2x); keyed.
- Power, Data, & Lighting
  - Power: Quad outlet at desk, duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity throughout, hardwired at the table.
  - Lighting: Day-light balanced wall wash, direct general LED lighting, dimmable lighting, window shades as required.
- AV Capabilities
  - Microphone (wireless/ceiling mounted), advanced speaker system, 65” monitor (1).
- Access Controls for a Secured Environment
  - Lockable room.
  - Lockable cabinets.

Medium Conference Room

ROOM DIAGRAM



Room Dimension as shown: 20’-0x12’-6”



Room Dimension as shown: 20’-0x10’-0”

EXAMPLE IMAGES





Large Conference Room

DATA

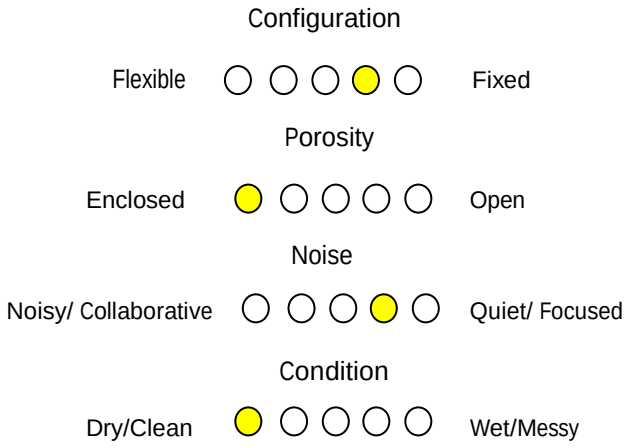
ASF Per Seat: 18.0 **Room Sizes**: Range from 300 NSF to 500 NSF

Room Occupancy: 20 – 30 **Maximum Occupancy:** 30 **Required Adjacencies:** Administrative Support

DESCRIPTION

The Large Conference Room provides seating for up to thirty people. The room will have wall-mounted monitors, projectors with whiteboard wall surfaces, oblong or rectangular table and six chairs.

QUALITIES



EQUIPMENT & FURNITURE

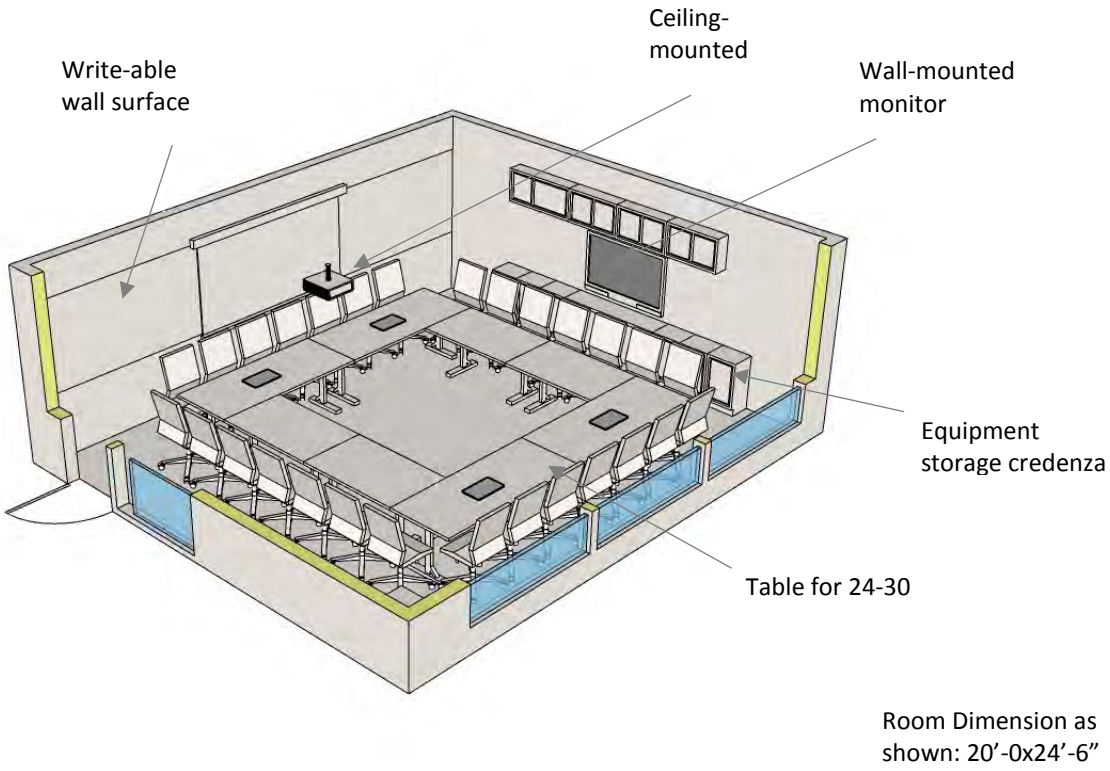
- Contractor Supplied & Installed Equipment
  - Window shades as required, 4’ write-able wall covering, with magnetic top rail and reveal around perimeter (min. 2 walls).
- Owner Supplied Contractor Installed Equipment
  - Wall-mounted monitor, ceiling-mounted projector, motorized screen.
- Owner Supplied & Installed Equipment
  - None.
- Owner Supplied & Installed Furniture
  - Oblong or rectangular table(s) and 20 – 30 chairs.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: 6 to 8-inch wood base.
  - Door: Single, 3’-0” wood door, lever handle (2x); keyed.
- Power, Data, & Lighting
  - Power: Quad outlet at table, duplex outlets at regular intervals around perimeter, floor mounted outlets at intervals.
  - Data: Wireless connectivity throughout, floor mounted, hard connection ports at intervals.
  - Lighting: Day-light balanced wall wash, indirect general LED lighting, dimmable lighting, window shades as required.
- AV Capabilities
  - Microphone (wireless/ceiling mounted), advanced speaker system (ceiling mounted), ceiling mounted projectors, motorized screen, 65” monitors (1).
- Access Controls for a Secured Environment
  - Lockable room.
  - Lockable cabinets.

Large Conference Room

ROOM DIAGRAM



EXAMPLE IMAGES





Support Spaces

Staff & Faculty Breakroom

Office Workroom

Office Storage

IT / Telecom Room

General Storage

Nursing Mother / Lactation

Staff Respite Room



Staff & Faculty Breakroom

DATA

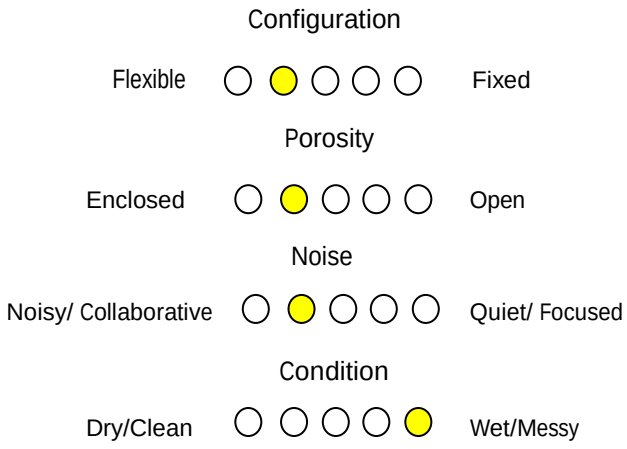
ASF Per Seat: 18.0 **Room Sizes**: Range from 400 to 480 NSF

Room Occupancy: 20-24 **Maximum Occupancy:** 24 **Required Adjacencies:** Outdoor Area with Seating

DESCRIPTION

The breakroom is provided for faculty and staff for breaks, lunch and interaction. Typically, one breakroom is provided per building on the ground floor with access to outdoor seating. In multi-story buildings over three floors, an additional room may be considered for the convenience of staff on the upper floors.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied & Installed Equipment
  - Window shades as required, built-in microwave (option), sink, bulletin board, phone.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - None.
- Owner Supplied & Installed Furniture
  - Moveable stacking chairs, tables, coffee maker, refrigerator, microwave (option), recycle and trash bins.

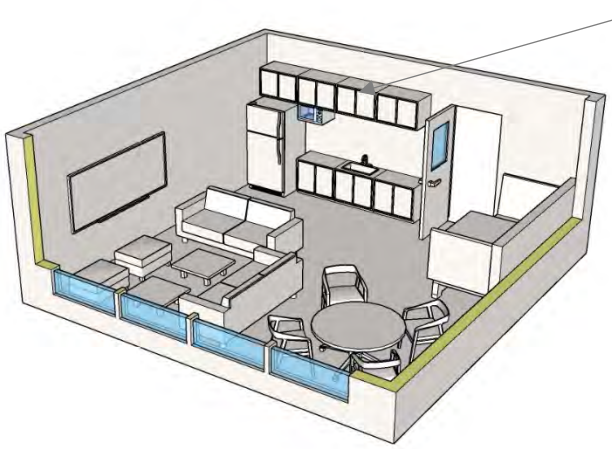
TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Painted gypsum wall board, tile back-splash at wet areas.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: Rubber.
  - Door: Single, 3’-0” wood door, vision panel, lever handle (2x); keyed.
- Power, Data, & Lighting
  - Power: Duplex outlets per code requirements.
  - Data: Wireless connectivity throughout.
  - Lighting: Day-light balanced wall wash, lighting. at 15-20 foot-candles, direct, general LED lighting, window shades as required.
- AV Capabilities
  - None.

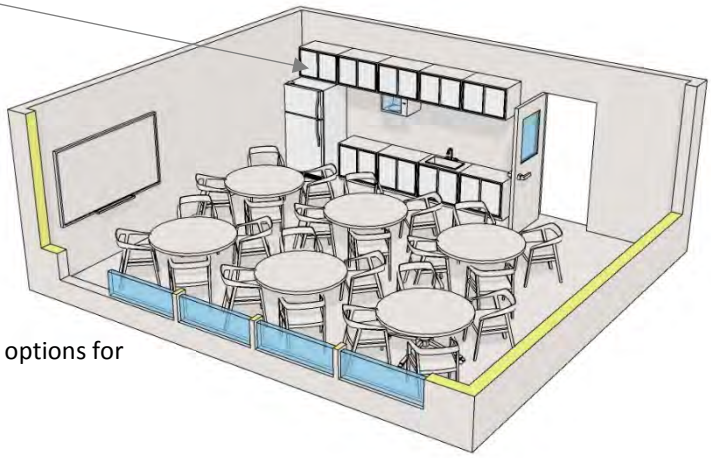
Staff & Faculty Breakroom

ROOM DIAGRAM

Cabinets with upper and lower storage / sink / refrigerator / microwave / countertop coffee maker



Multiple options for seating



Room Dimension as shown: 20’-0x20’-0”

Room Dimension as shown: 20’-0x24’-0”

EXAMPLE IMAGES





Office Workroom

DATA

ASF Per Seat: N/A

Room Sizes: Range from 120 NSF – 150 NSF

Room Occupancy: Unoccupied Space

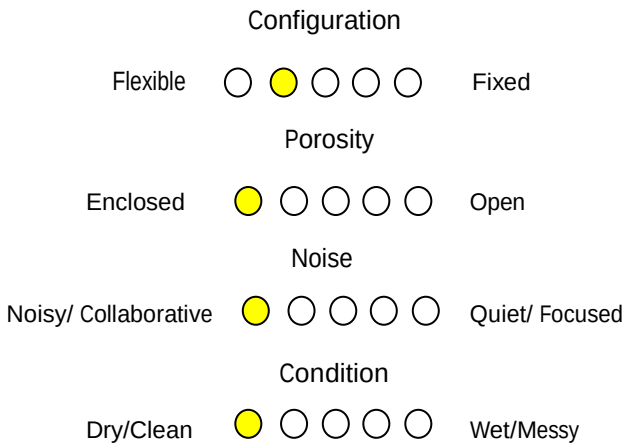
Maximum Occupancy: N/A

Required Adjacencies: Office Areas

DESCRIPTION

The office workroom will have space for a full-size copier, counter with upper and lower storage for office supplies and paper. There should be an area for recycle and trash bins. Mail slots may be required. Workrooms should be shared between smaller departments. There should be at least one workroom on each floor of a building.

QUALITIES



EQUIPMENT & FURNITURE

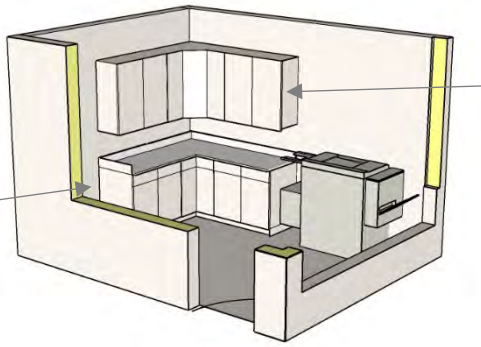
- Contractor Supplied & Installed Equipment
  - Counter with upper and lower storage, area for recycle and trash receptacles, mail slots (option), hand sanitizer.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - None.
- Owner Supplied & Installed Furniture
  - Copier, fax, office supplies, recycle and trash receptacles.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: Rubber.
  - Door: Single, 3’0” wood door, vision panel, lever handle (2x); keyed, access control if on a public corridor, integrated into building security system.
- Power, Data, & Lighting
  - Power: Duplex outlets per code requirements.
  - Data: Wireless connectivity throughout, hard connection to the copier.
  - Lighting: Lighting at 15-20 foot-candles, direct, general LED lighting, no natural light required.
- AV Capabilities
  - None.
- Access Controls for a Secured Environment
  - Lockable room.

Office Workroom

ROOM DIAGRAM



Room Dimension as shown:10’-0x12’-0”

EXAMPLE IMAGES





Office Storage

DATA

ASF Per Seat: N/A

Room Sizes: Range from 100 NSF and Up

Room Occupancy: N/A

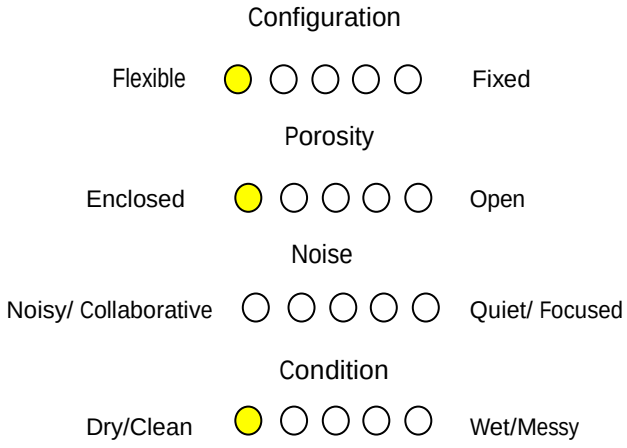
Maximum Occupancy: N/A

Required Adjacencies: Office Areas

DESCRIPTION

The office storage is used for office supplies, promotional supplies, seasonal decorations, and other storage needs. There should be one room per department

QUALITIES



EQUIPMENT & FURNITURE

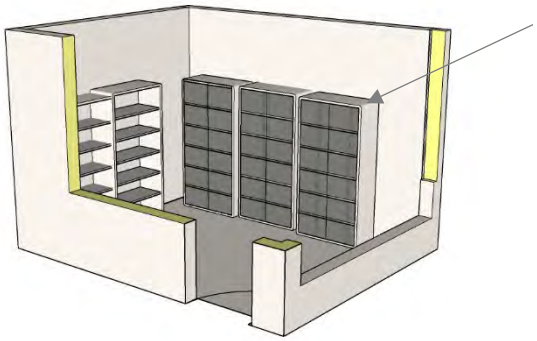
- Contractor Supplied & Installed Equipment
  - None.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - None.
- Owner Supplied & Installed Furniture
  - Free-standing storage solutions.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Painted gypsum wall board, tile back-splash at wet areas.
  - Floor: Vinyl composition tile (VCT).
  - Base Material: Rubber.
  - Door: Single, 3’-7” wood door, lever handle (2x); keyed.
- Power, Data, & Lighting
  - Power: Duplex outlets per code requirements.
  - Data: No requirements.
  - Lighting at 15-20 foot-candles, direct, general LED lighting.
- AV Capabilities
  - None.
- Access Controls for Secured Environment
  - Lockable room.

Office Storage

ROOM DIAGRAM



Storage options include open shelves, cabinets.

Room Dimension as shown:10’-0x12’-0”

EXAMPLE IMAGES





IT/Telecommunications Room

DATA

ASF Per Seat: N/A

Room Sizes: MDR- 150 NSF and IDR- 80 NSF

Room Occupancy: N/A

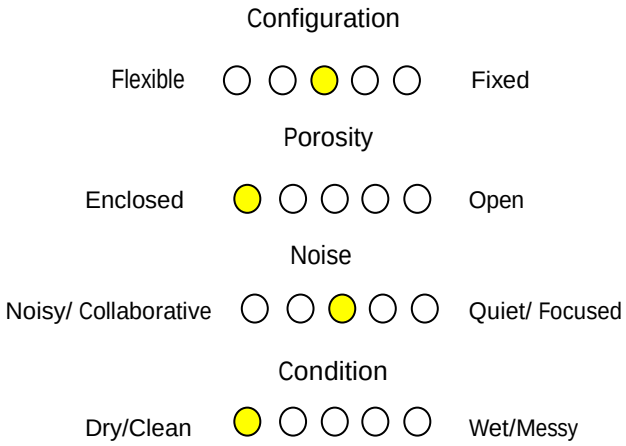
Maximum Occupancy: N/A

Required Adjacencies: MDR where fiber enters the building, IDRs located to be within the 300-ft maximum distance requirements.

DESCRIPTION

The Main Distribution Room (MDR) or Communications Room is the hub for distribution of IT / Telecommunications connectivity. This room will be located at the entry point for the main The Intermediate Distribution Rooms (IDR) allow for distribution to meet the distance limits of the fiber optic cabling and will be located on every other floor.

QUALITIES



EQUIPMENT & FURNITURE

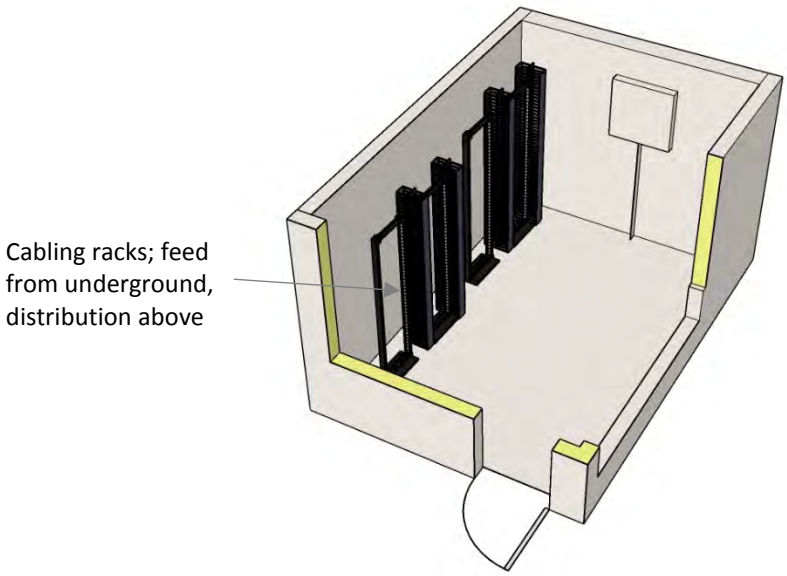
- Contractor Supplied & Installed Equipment
  - Cable distribution conduits and trays.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - None.
- Owner Supplied & Installed Furniture
  - Racks, cabling.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Open.
  - Wall: Painted gypsum wall board.
  - Floor: Sealed concrete.
  - Base Material: Rubber.
  - Door: Single, 3’-7” wood door, lever handle (2x); access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Duplex outlets per code requirements including 208V outlets.
  - Data: Connectivity to incoming cabling and distribution to IDRs.
  - Lighting: Lighting at 15-20 foot-candles, direct, general LED lighting.
  - Emergency Power: MDR and IDRs will be powered by the building emergency generator.
- Mechanical
  - Dedicated AC for temperature control.
- Access Controls for Secured Environment
  - Accessed controlled room.

IT/Telecommunications Room

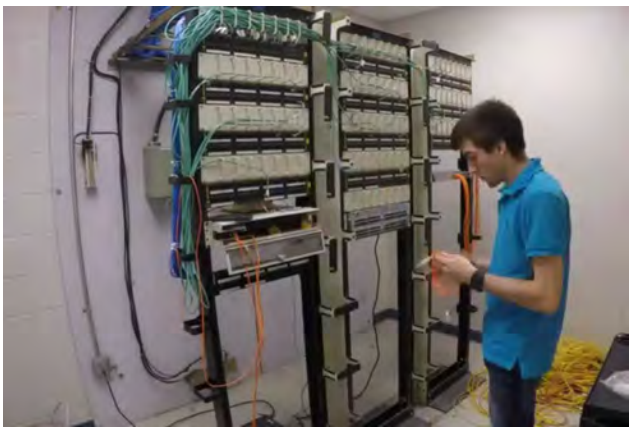
ROOM DIAGRAM



Room Dimension as shown:10’-0x15’-0”

EXAMPLE IMAGES







General Storage

DATA

ASF Per Seat: N/A

Room Sizes: Range from 80 NSF per Department, plus 80 NSF for building storage

Room Occupancy: N/A

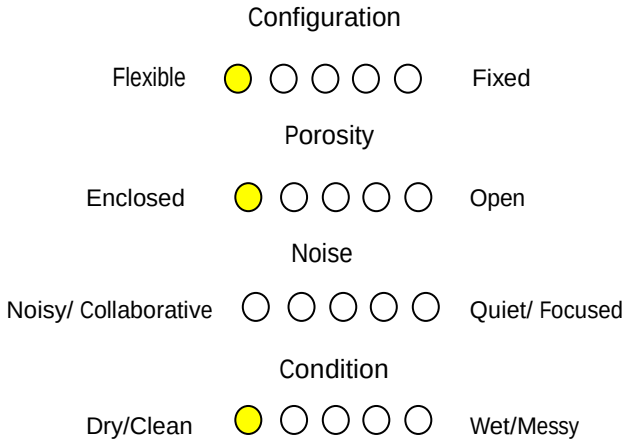
Maximum Occupancy: N/A

Required Adjacencies: Ground Floor/Back Entrance

DESCRIPTION

The general storage room is for departmental storage.

QUALITIES



EQUIPMENT & FURNITURE

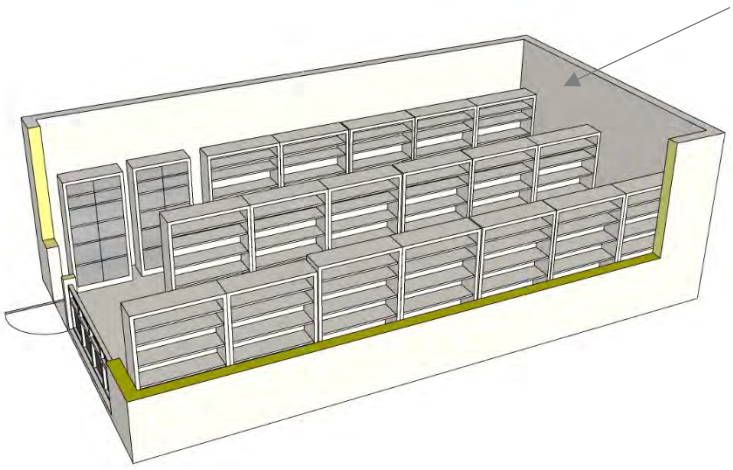
- Contractor Supplied & Installed Equipment
  - None.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - None.
- Owner Supplied & Installed Furniture
  - Moveable storage shelves.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Open to structure.
  - Wall: Painted gypsum wall board.
  - Floor: Sealed concrete.
  - Base Material: Rubber.
  - Door: Single, 4’ metal door, vision panel, lever handle; access control integrated into building security system.
- Power, Data, & Lighting
  - Power: Duplex outlets per code requirements.
  - Data: No requirements.
  - Lighting: Lighting at 10-30 foot-candles, direct, general LED lighting.
- AV Capabilities
  - None.
- Access Controls for Secured Environment
  - Access controlled room.
  - Lockable cabinets.

General Storage

ROOM DIAGRAM



Room Dimension as shown:28’-0x15’-0”

EXAMPLE IMAGES





Nursing Mother / Lactation Room

DATA

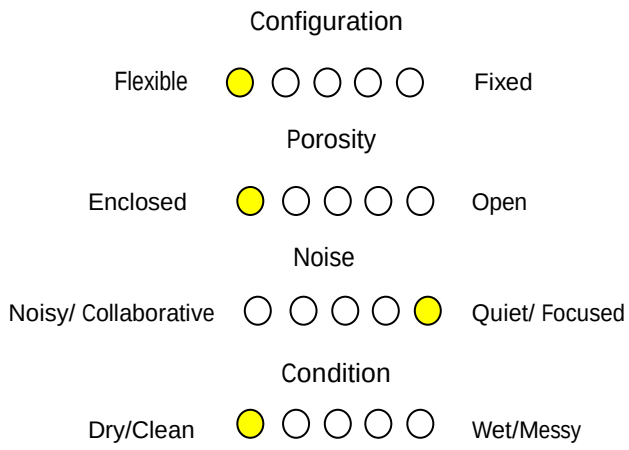
ASF Per Seat: 50.0 **Room Sizes**: Range from 100 NSF

Room Occupancy: 2 **Maximum Occupancy:** 2 **Required Adjacencies:** Office Areas

DESCRIPTION

The nursing mother / lactation room is for the comfort of mothers.

QUALITIES



EQUIPMENT & FURNITURE

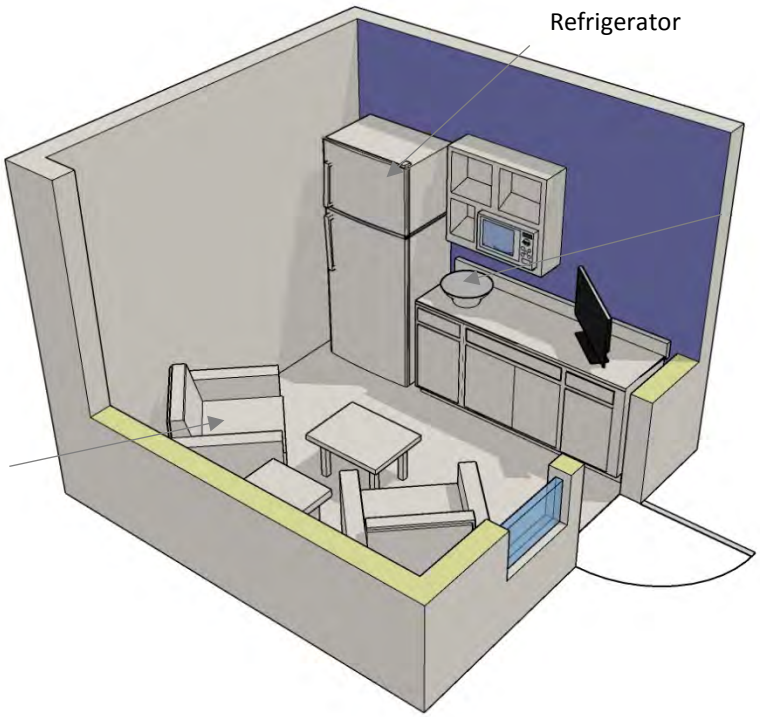
- Contractor Supplied & Installed Equipment
  - Window shades as required, counter with upper and lower storage with a sink, hand sanitizer, curtain divider or screen.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - None.
- Owner Supplied & Installed Furniture
  - Two lounge chairs, side tables, refrigerator, microwave/bottle warmer, TV.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: Rubber.
  - Door: Single, 3’-0” wood door, vision panel, lever handle (2x); access control, integrated into building security system.
- Power, Data, & Lighting
  - Power: Duplex outlets per code requirements.
  - Data: No requirements.
  - Lighting: Lighting at 15-20 foot-candles, indirect, dimmable, general LED lighting.
- AV Capabilities
  - None.
- Access Controls for a Secured Environment
  - Access controlled room.
  - Lockable cabinets.

Nursing Mother / Lactation Room

ROOM DIAGRAM



Room Dimension as shown:10’-0x10’-0”

EXAMPLE IMAGES





Staff Respite Room

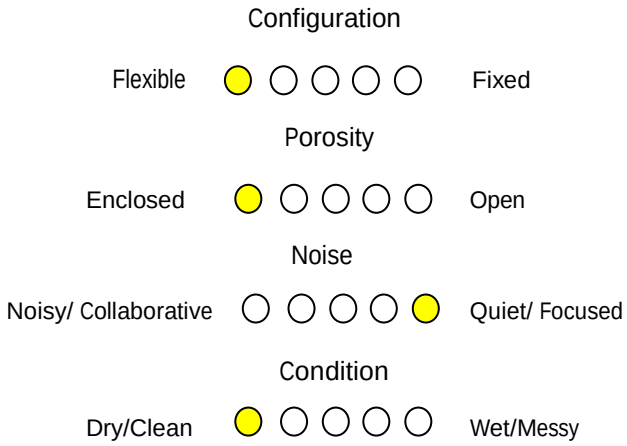
DATA

ASF Per Seat: N/A
Room Sizes: 100 NSF
Room Occupancy: 1
Maximum Occupancy: 1
Required Adjacencies: Office Areas

DESCRIPTION

The staff respite is for the staff to take a quiet break when needed to relieve stress and cool down from a tense situation. It is a break area to be alone.

QUALITIES



EQUIPMENT & FURNITURE

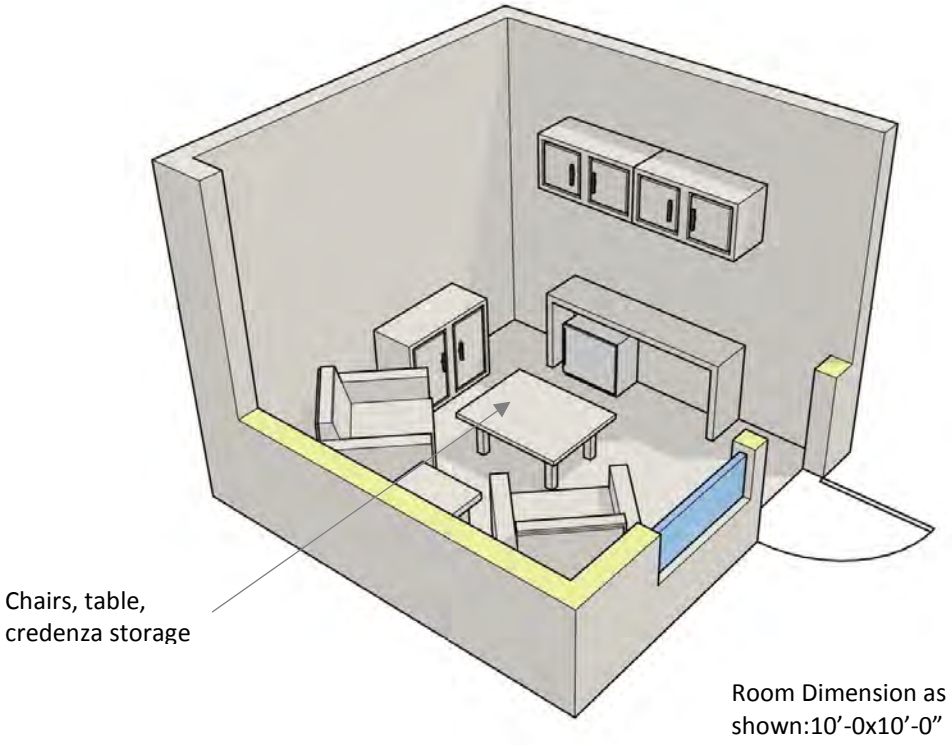
- Contractor Supplied & Installed Equipment
  - Window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - None.
- Owner Supplied & Installed Furniture
  - Lounge chairs, credenza, and side tables.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base Material: Rubber.
  - Door: Single, 3’-7” wood door, vision panel, lever handle (2x); accessed control integrated into building security system.
- Power, Data, & Lighting
  - Power: Duplex outlets per code requirements.
  - Data: No requirements.
  - Lighting: Lighting at 15-20 foot-candles, indirect, dimmable, general LED lighting, window shades as required.
- AV Capabilities
  - None.
- Access Controls for a Secured Environment
  - Access controlled room.
  - Lockable cabinets.

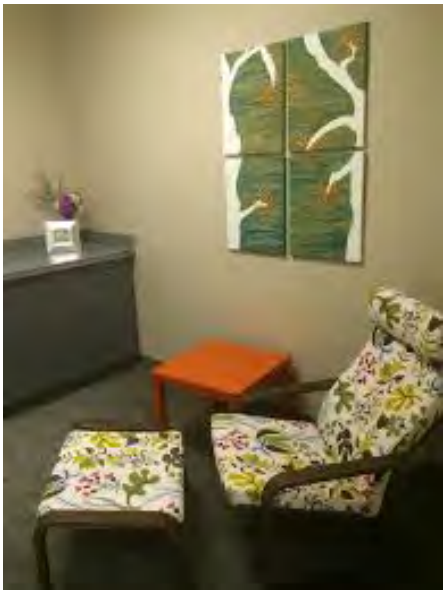
Staff Respite Room

ROOM DIAGRAM



EXAMPLE IMAGES





Healthcare Spaces

Exam Room

Procedure Room

Nurse Station

Injection Room

Triage Area

Clinical Laboratory

Clinical Workroom

Soiled Utility

Clean Supply

Medication Room



Exam Room

DATA

ASF Per Seat: N/A

Room Sizes: Range from 125 NSF to 150 NSF

Room Occupancy: 1 to 4

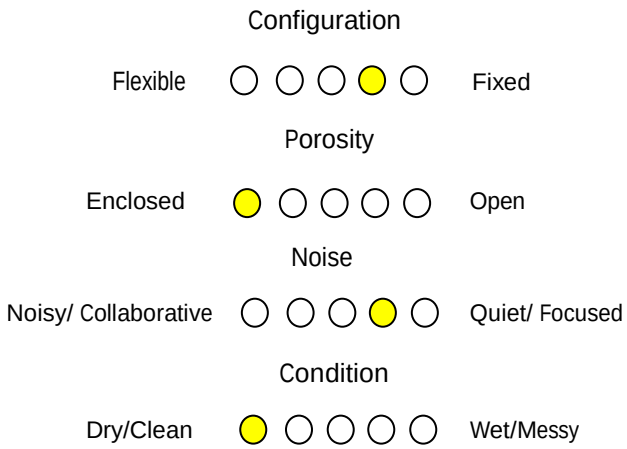
Maximum Occupancy: 4

Required Adjacencies: Nurse Station

DESCRIPTION

The Exam Room provides for the examination of the patient. It is outfit with a sink for handwashing, cabinets for supply storage, exam table and patient family chairs. It will accommodate the medical staff, patient and patient family, 2 to 4 people.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied and Installed Equipment
  - Window shades as required, privacy curtain at doorways, solid surface counter with upper and lower cabinets, wall blocking for computer station.
- Owner Supplied Contractor Installed Equipment
  - Medical scopes, gloves dispenser, sharps container, soap, paper towel dispenser.
- Owner Supplied and Installed Equipment
  - Computer, blood pressure cuff, exam table, other diagnostic equipment, wall-mounted computer.
- Owner Supplied and Installed Furniture
  - Family chairs (vinyl), clinical stool.

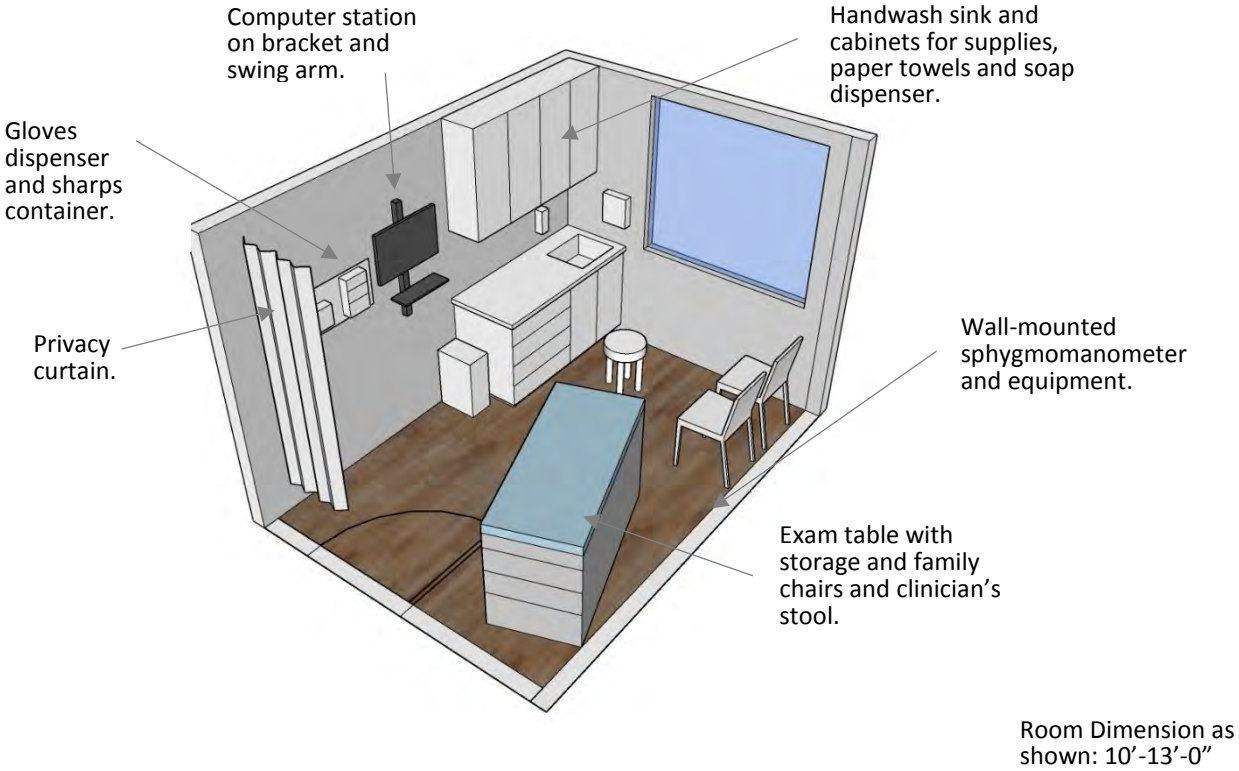
TECHNICAL REQUIREMENTS

- Finishes and Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base material: 4 inch rubber base
  - Door: Single, 3’-0” wood door, lever handle, no locks.

- Power, Data, Lighting
  - Power: duplex outlet at counter, duplex outlets at regular intervals around perimeter, wall outlets for medical scopes, power to exam table, wall-mounted computer station.
  - Data: Wireless connectivity throughout, hardwire power and data at wall-mounted computer station.
  - Lighting: Day-light balanced wall wash, can lights with direct / indirect general LED lighting, window shades as required.
  - Emergency call system, control panel at nurse’s station.
- Plumbing
  - Handwash sink.
  - Optional: wall-mounted medical air and vacuum.

Exam Room

ROOM DIAGRAM



EXAMPLE IMAGES





Procedure Room

DATA

ASF Per Seat: N/A

Room Sizes: Range from 150 NSF to 200 NSF

Room Occupancy: 4 to 6

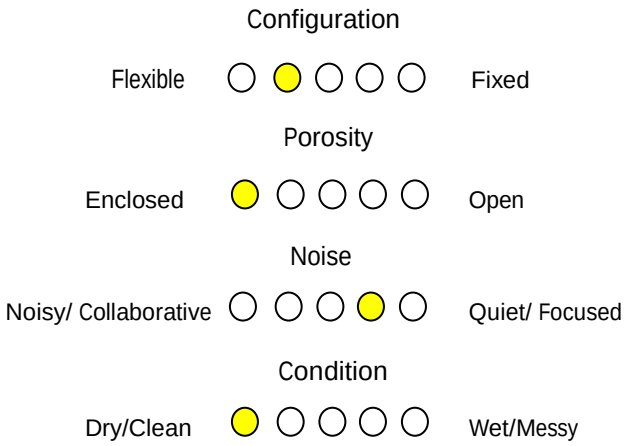
Maximum Occupancy: 6

Required Adjacencies: Nurse Station

DESCRIPTION

The Procedure Room is a space to perform procedures on a patient. It is outfit with a sink for handwashing, cabinets for supply storage, procedure table, procedure lights and patient family chairs. It will accommodate the medical staff, patient and patient family, 4 to 6 people.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied and Installed Equipment
  - Window shades as required, privacy curtain at doorways, solid surface counter with upper and lower cabinets, Option: ceiling mounted procedure lights, wall blocking for computer station.
- Owner Supplied Contractor Installed Equipment
  - Medical scopes, gloves dispenser, sharps container, soap, paper towel dispenser.
- Owner Supplied and Installed Equipment
  - Computer, blood pressure cuff, procedure table, other diagnostic equipment, procedure lights, wall mounted computer station, x-ray view boxes.
- Owner Supplied and Installed Furniture
  - Family chairs (vinyl), clinician stool

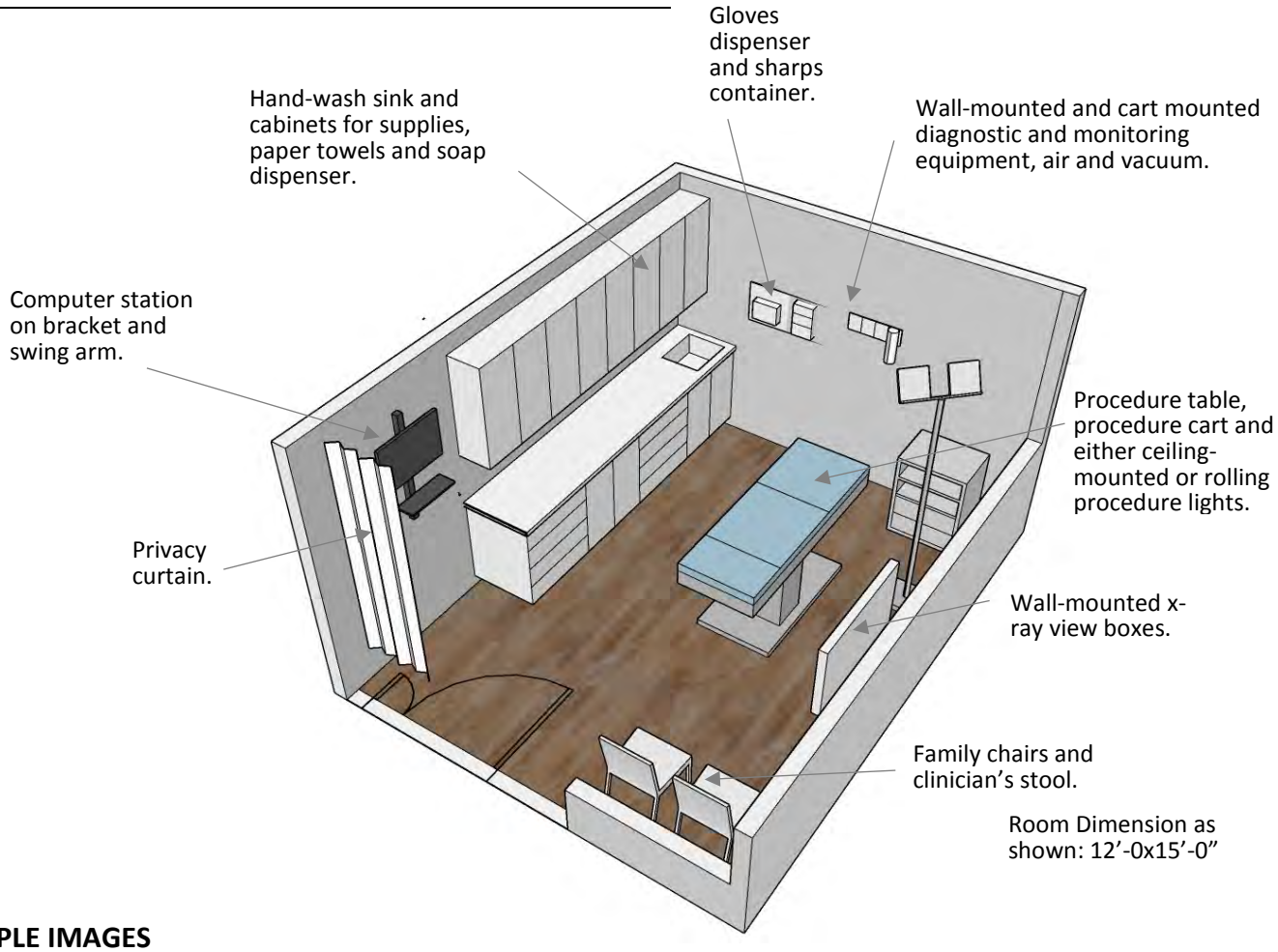
TECHNICAL REQUIREMENTS

- Finishes and Surfaces
  - Ceiling: Acoustical tile.
  - Wall: Painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base material: 4 inch rubber base.
  - Door: Single, 4’-0” wood door, lever handle, no locks.

- Power, Data, Lighting
  - Power: two duplex outlet at counter, duplex outlets at regular intervals around perimeter, wall outlets for medical scopes, power at center of exam table floor area, wall-mounted computer station, x-ray view boxes.
  - Data: Wireless connectivity throughout, hardwire data and power drops at counter, Lighting: Day-light balanced wall wash, can lights with direct / indirect general LED lighting, window shades as required.
  - Emergency call system, control panel at nurse’s station.
- Plumbing
  - Hand-wash sink.
  - Wall-mounted medical air and vacuum.

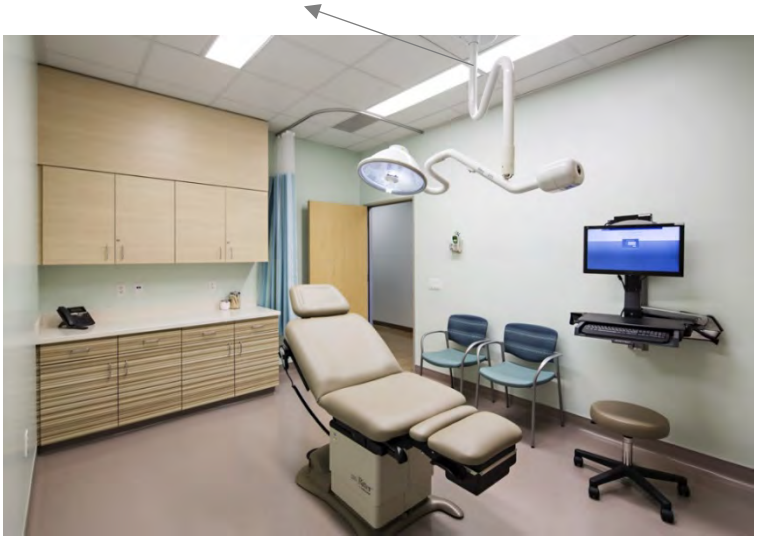
Procedure Room

ROOM DIAGRAM



EXAMPLE IMAGES





Nurse Station

DATA

ASF Per Seat: N/A

Room Sizes: Range from 300 NSF to 350 NSF

Room Occupancy: 4 to 8

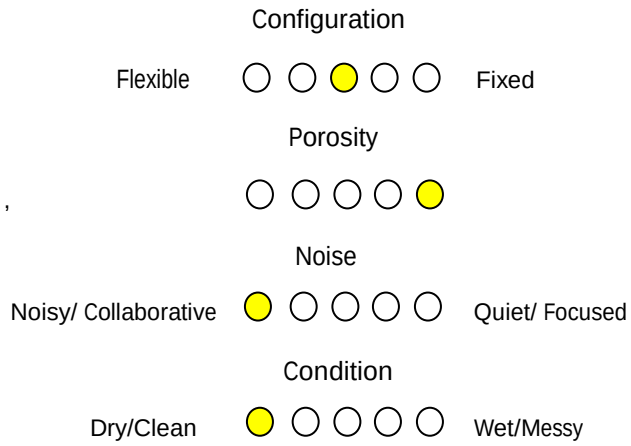
Maximum Occupancy: 6

Required Adjacencies: Exam/Procedure Rooms, Waiting

DESCRIPTION

The Nurse Station is the space for the nurses to work and chart. It will house computers, printers and supplies. The patient scheduling will be kept at the nurse station. It will accommodate the medical staff, including a touch down space for the doctors, 6 to 8 people.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied and Installed Equipment
  - Window shades as required, solid surface counter with workstations/file storage/transaction space, upper and lower storage cabinets with solid surface countertop.
- Owner Supplied Contractor Installed Equipment
  - Paper towel and soap dispenser.
- Owner Supplied and Installed Equipment
  - Computers, printer, copier, scale(s).
- Owner Supplied and Installed Furniture
  - Desk chairs.

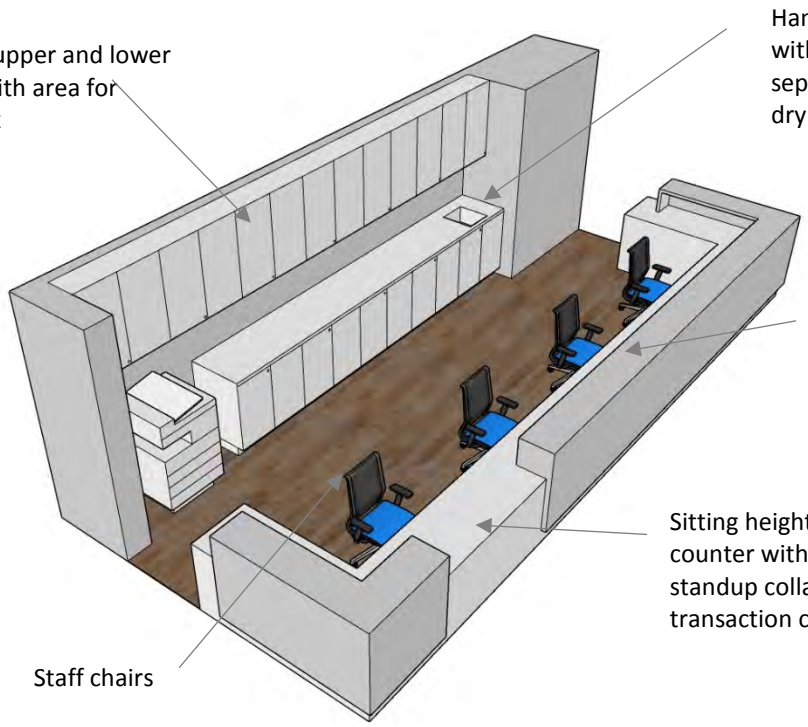
TECHNICAL REQUIREMENTS

- Finishes and Surfaces
  - Ceiling: Gypsum board, acoustic tile, decorative wood.
  - Wall: Painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base material: 4 inch rubber base.
  - Door: None

- Power, Data, Lighting
  - Power: fourplex outlets at counter for computers, duplex outlets for copiers, printers and equipment.
  - Data: Wireless connectivity throughout, hardwire power and data at computers.
  - Lighting: Day-light balanced wall wash, can lights with direct / indirect general LED lighting, daylighting through windows along the perimeter or in hallways, window shades as required.
  - Emergency call system control panel at nurse's station. Calls at all locations where patients are alone, such as specimen toilet room.
- Plumbing
  - Hand-wash sink.

Nurse Station

ROOM DIAGRAM



Room Dimension as shown: 12’-0x20’-0”

EXAMPLE IMAGES





Injection Room

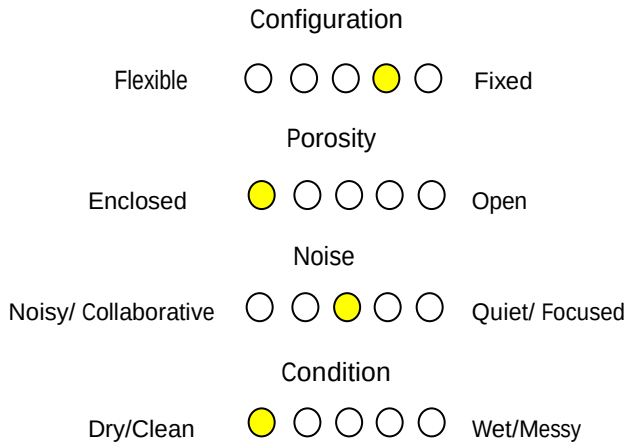
DATA

ASF Per Seat: N/A
Room Sizes: Range from 100 NSF to 120 NSF
Room Occupancy: 2 to 4
Maximum Occupancy: 4
Required Adjacencies: Nurse Station

DESCRIPTION

The Injection Room is similar to an Exam Room, but is a space to perform injections on a patient. This function can sometimes be performed in an Exam Room. It is outfit with a sink for handwashing, cabinets for supply storage, exam table, injection chair and patient family chairs. It will accommodate the medical staff, patient and patient family, 2 to 4 people.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied and Installed Equipment
  - Window shades as required, solid surface countertop with upper and lower storage.
- Owner Supplied Contractor Installed Equipment
  - Gloves dispenser, sharps container, soap, paper towel dispenser.
- Owner Supplied and Installed Equipment
  - Injection chair.
- Owner Supplied and Installed Furniture
  - Option: family chairs.

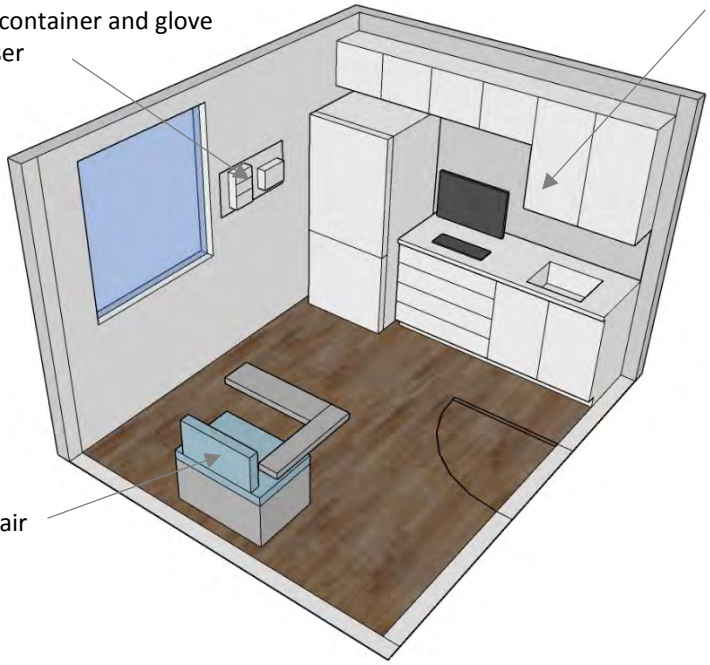
TECHNICAL REQUIREMENTS

- Finishes and Surfaces
  - Ceiling: Acoustic ceiling tile.
  - Wall: Painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base material: 4 inch rubber base.
  - Door: Single, 3’-0” wood door, lever handle.

- Power, Data, Lighting
  - Power: quadplex outlet at counter, duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity throughout, Hardwire power and data at counter,
  - Lighting: Day-light balanced wall wash, can lights with direct/indirect general LED lighting, shades at windows as required.
- Plumbing
  - Hand-wash sink.

Injection Room

ROOM DIAGRAM



Room Dimension as shown: 10’-0x10’-0”

EXAMPLE IMAGES





Triage Area

DATA

ASF Per Seat: N/A

Room Sizes: Range from 80 NSF to 100 NSF

Room Occupancy: 2 to 4

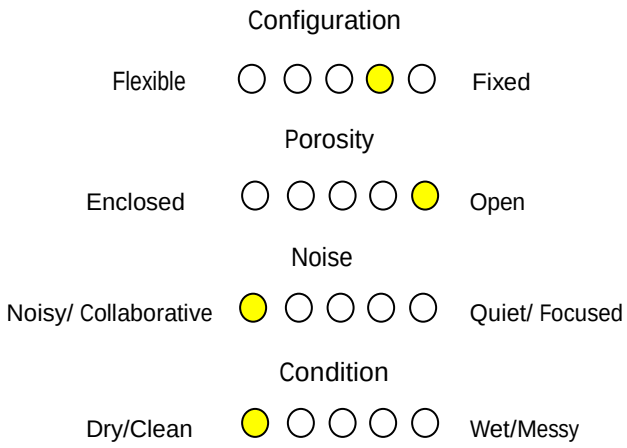
Maximum Occupancy: 4

Required Adjacencies: Nurse Station/Exam Room

DESCRIPTION

The Triage Area is a space to triage a patient to determine the severity of their condition and treatment needed. It can also be used as a general Assessment Alcove to record general patient physical data. It is outfit with a sink for handwashing, cabinets for supply storage. It may also have a weight scale and / or infant scale nearby. It will accommodate the medical staff, patient and patient family, 2 to 4 people.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied and Installed Equipment
  - Window shades as required, solid surface counter with lower storage and sink, wall-mounting for computer, privacy curtain.
- Owner Supplied Contractor Installed Equipment
  - Gloves dispenser, sharps container, soap, paper towel dispenser.
- Owner Supplied and Installed Equipment
  - Computer, diagnostics otoscope, blood pressure cuff.
- Owner Supplied and Installed Furniture
  - Chairs, scale, charting table (casters). Option: baby scale instead of chairs or 4' power table.

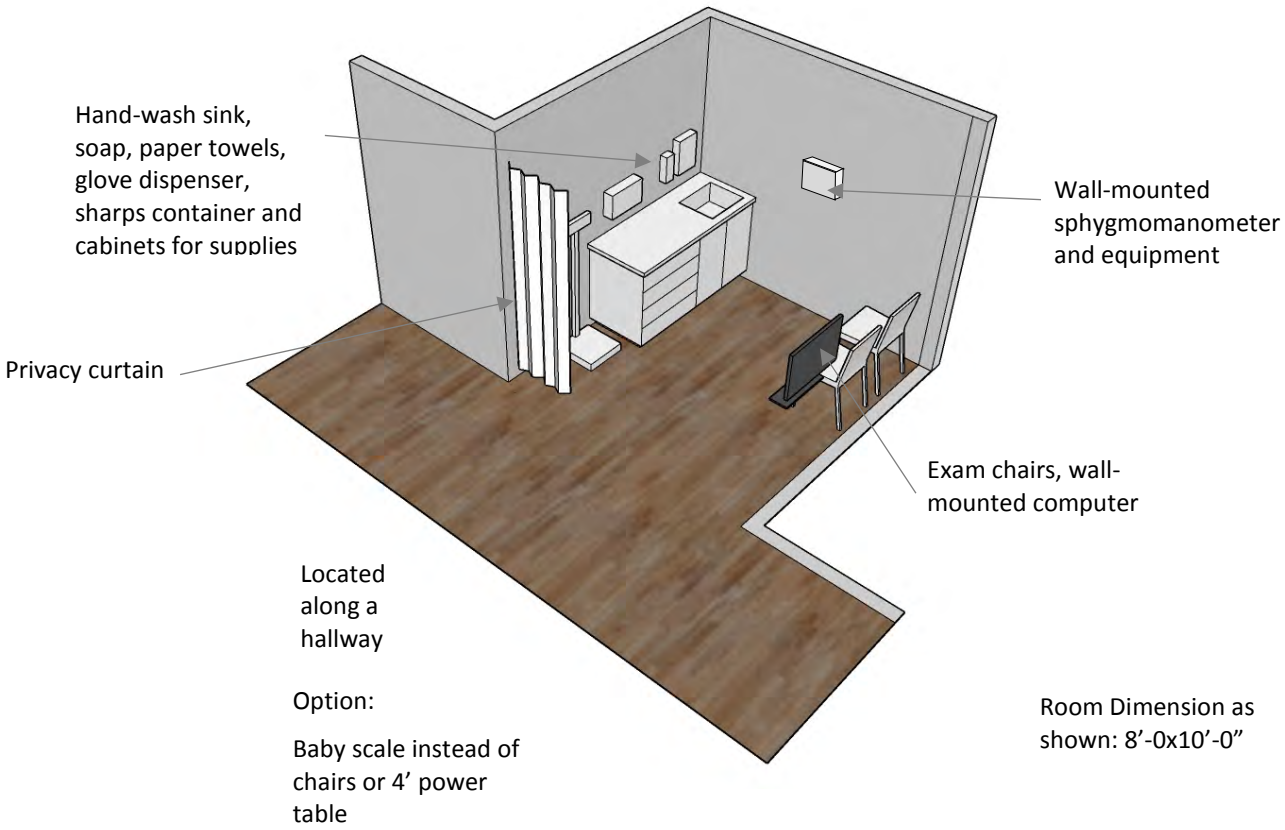
TECHNICAL REQUIREMENTS

- Finishes and Surfaces
  - Ceiling: Acoustic ceiling tile.
  - Wall: Painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base material: 4 inch rubber base.
  - Door: None.

- Power, Data, Lighting
  - Power: Duplex outlet at counter, duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity throughout, hardwire power and data at counter.
  - Lighting: Day-light balanced wall wash, can lights with direct/indirect general LED lighting, window shades as required.
  - Emergency call system, control panel at nurse's station.
- Plumbing
  - Hand-wash sink.

Triage Area

ROOM DIAGRAM



EXAMPLE IMAGES



Clinical Laboratory

DATA

ASF Per Seat: N/A

Room Sizes: Range from 150 NSF to 180 NSF

Room Occupancy: 2 to 3

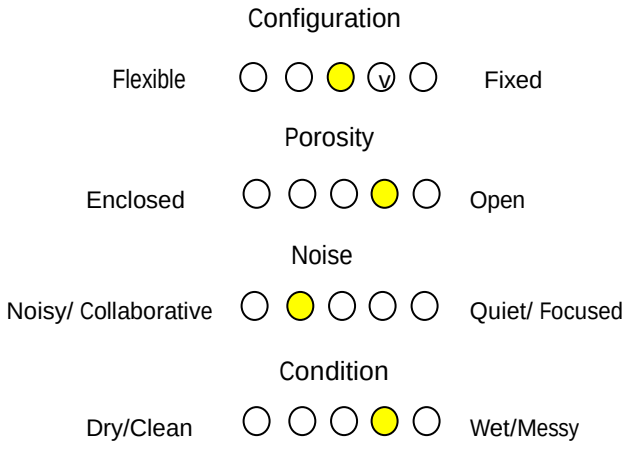
Maximum Occupancy: 3

Required Adjacencies: Clinical Workroom

DESCRIPTION

The Clinical Laboratory is a space to process collected specimens. The lab houses equipment, storage and work stations for the laboratory staff. It will accommodate the laboratory staff, 2 to 3 people.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied and Installed Equipment
  - Window shades as required, solid surface counters with upper and lower storage, open shelves, sink.
- Owner Supplied Contractor Installed Equipment
  - Gloves dispenser, sharps container, soap, paper towel dispenser.
- Owner Supplied and Installed Equipment
  - Computer, refrigerator, lab equipment as scheduled.
- Owner Supplied and Installed Furniture
  - Phlebotomy chair.

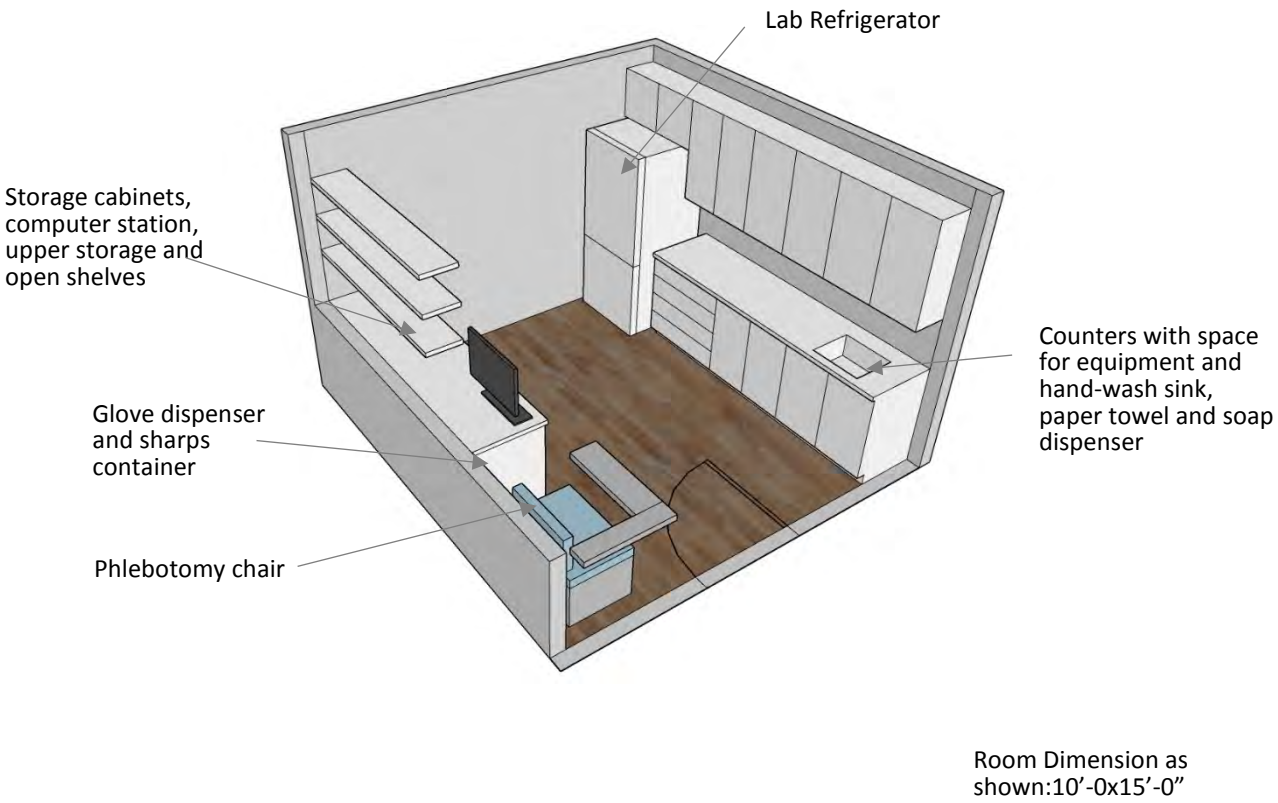
TECHNICAL REQUIREMENTS

- Finishes and Surfaces
  - Ceiling: Acoustic ceiling tile.
  - Wall: Painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base material: 4-inch rubber base.
  - Door: Single or Double, 6’-0” or 3’-0” wood door, lever handle.

- Power, Data, Lighting
  - Power: Quadplex outlet at counter, duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity throughout, hardwire power and data at counter.
  - Lighting: Day-light balanced wall wash, can lights with direct/indirect general LED lighting, window shades as required.

- Plumbing
  - Hand-wash sink.

ROOM DIAGRAM



Room Dimension as shown:10’-0x15’-0”

EXAMPLE IMAGES





Clinical Workroom

DATA

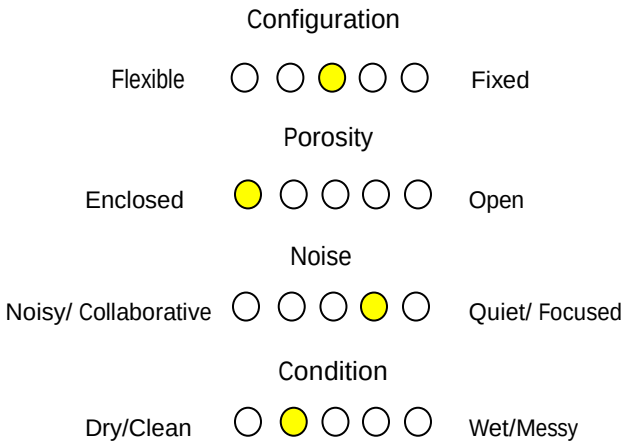
ASF Per Seat: N/A **Room Sizes**: Range from 300 NSF to 350 NSF

Room Occupancy: N/A **Maximum Occupancy:** N/A **Required Adjacencies:** Exam/Procedure Rooms

DESCRIPTION

The Clinical Workroom houses charting and report communications within a clinical setting. It includes perimeter work areas and center counter or collaborative seating arrangement with table at the center. It may also accommodate chart racks, nursing supplies, printers, and computer work stations.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied and Installed Equipment
  - Room cabinetry, shelving, window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied and Installed Equipment
  - Computers and printers.
- Owner Supplied and Installed Furniture
  - Chairs, option for table and chairs in the center.

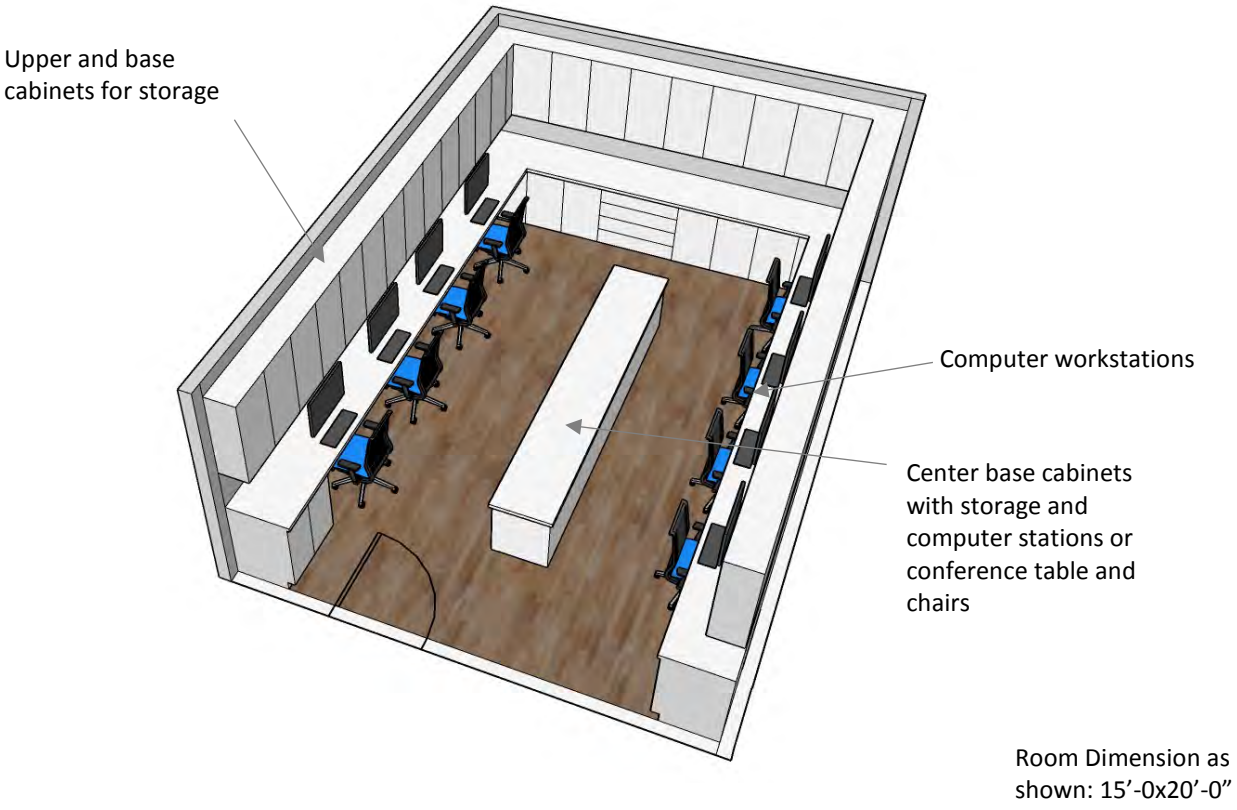
TECHNICAL REQUIREMENTS

- Finishes and Surfaces
  - Ceiling: Painted gypsum board.
  - Wall: Painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base material: 4 inch rubber base.
  - Door: Single, 3’-0” wood door, lever handle; integrated into building security system.

- Power, Data, Lighting
  - Power: duplex outlet at each work station, duplex outlets at regular intervals around counter.
  - Data: Wireless connectivity throughout, hardwire power and data at counter.
  - Lighting: Day-light balanced wall wash, can lights with direct/indirect general LED lighting, window shades as required.

Clinical Workroom

ROOM DIAGRAM



Room Dimension as shown: 15’-0x20’-0”

EXAMPLE IMAGES





Soiled Utility

DATA

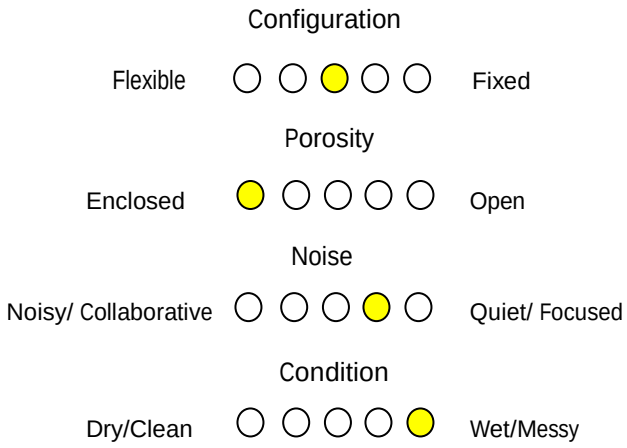
ASF Per Seat: N/A **Room Sizes**: Range from 120 NSF to 250 NSF

Room Occupancy: N/A **Maximum Occupancy:** N/A **Required Adjacencies:** Exam/Procedure Rooms

DESCRIPTION

The Soiled Utility room houses the soiled linen and trash collected daily. It includes a handwash sink, storage, scope processor and utility sinks. It will usually accommodate several linen carts.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied and Installed Equipment
  - Solid surface counters with upper and lower cabinets, hand sink, utility sinks.
- Owner Supplied Contractor Installed Equipment
  - Soap and paper towel dispensers.
- Owner Supplied and Installed Equipment
  - Scope processor.
- Owner Supplied and Installed Furniture
  - Storage shelves, scope cabinet, linen carts.

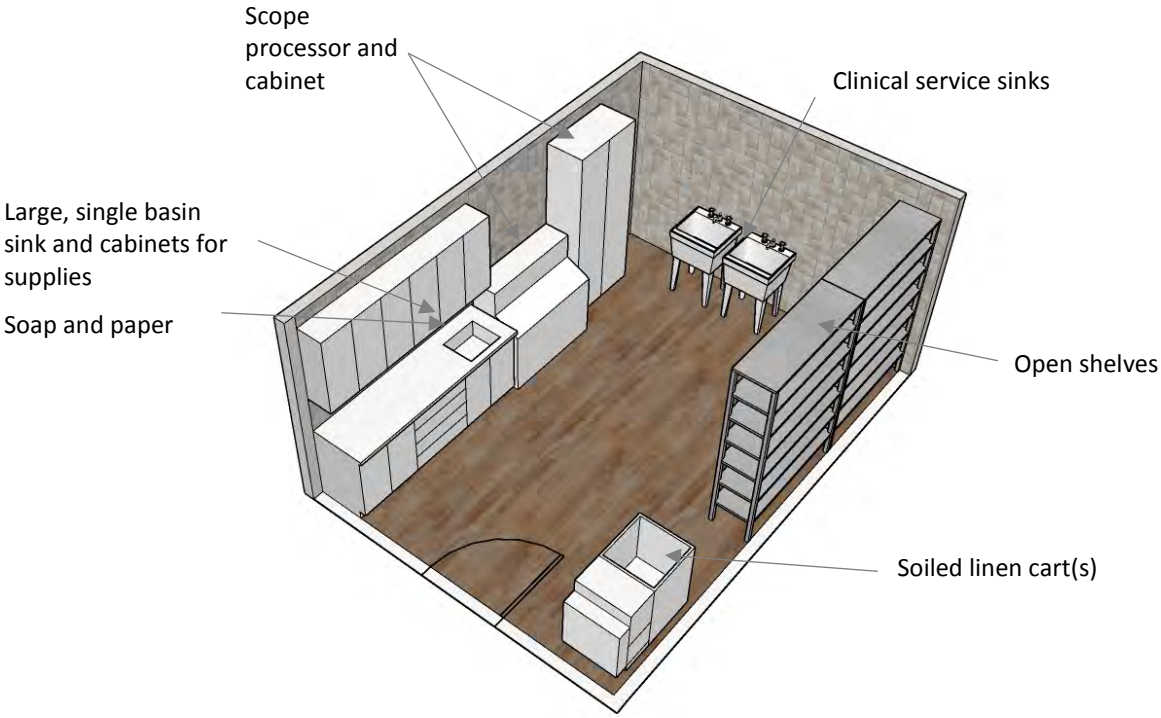
TECHNICAL REQUIREMENTS

- Finishes and Surfaces
  - Ceiling: Painted gypsum board.
  - Wall: Painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base material: 4 inch rubber base.
  - Door: Single, 3’-0” wood door, lever handle.

- Power, Data, Lighting
  - Power: duplex outlet at counter, duplex outlets at regular intervals around perimeter.
  - Data: None.
  - Lighting: Day-light balanced wall wash, can lights with direct/indirect general LED lighting.
- Plumbing
  - Large, deep, single basin sink (sink must be located next to the processor) and clinical service sinks.

Soiled Utility

ROOM DIAGRAM



Room Dimension as shown: 13’-10x18’-0”

EXAMPLE IMAGES





Images shown are for a hospital setting but similar.

Clean Supply

DATA

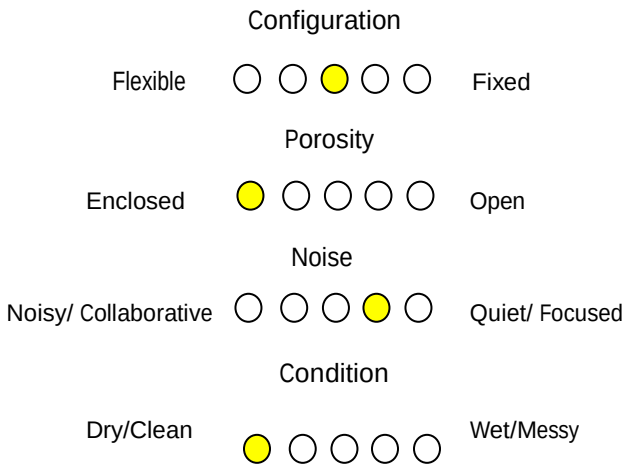
ASF Per Seat: N/A **Room Sizes**: Range from 120 NSF to 250 NSF

Room Occupancy: N/A **Maximum Occupancy:** N/A **Required Adjacencies:** Exam/Procedure Rooms

DESCRIPTION

The Clean Supply room houses the clean linen and clean supplies to be used in the exam and procedure rooms. It includes a handwash sink, wall mounted bin storage and clean linen storage. It may also accommodate clean linen carts.

QUALITIES



EQUIPMENT & FURNITURE

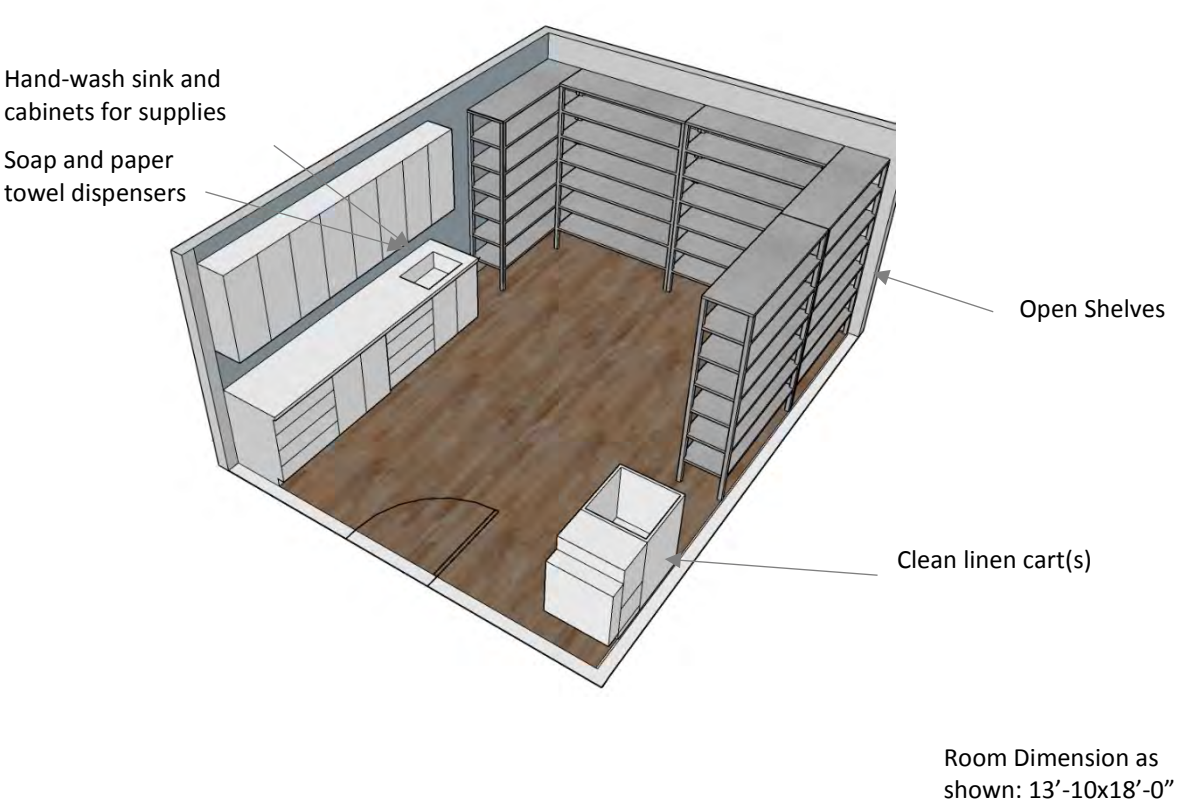
- Contractor Supplied and Installed Equipment
  - Solid counter with upper and lower storage with hand sink.
- Owner Supplied Contractor Installed Equipment
  - Wall storage bins and storage system, soap and paper towel dispensers.
- Owner Supplied and Installed Equipment
  - Computer.
- Owner Supplied and Installed Furniture
  - Storage shelves, linen carts.

TECHNICAL REQUIREMENTS

- Finishes and Surfaces
  - Ceiling: Painted gypsum board.
  - Wall: Painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base material: 4 inch rubber base.
  - Door: Single, 3’-0” wood door, lever handle, integrated into building security system.

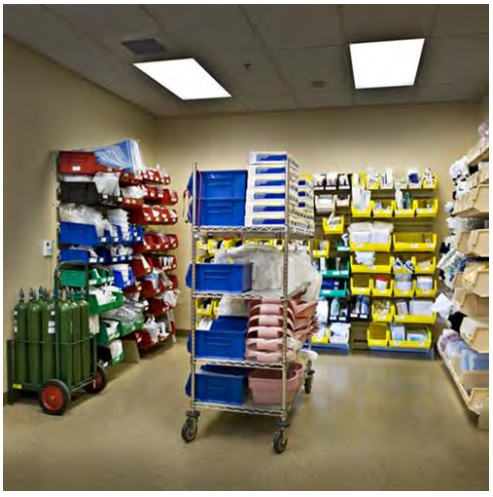
- Power, Data, Lighting
  - Power: duplex outlet at counter, duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity throughout, hardwire power and data at counter.
  - Lighting: Day-light balanced wall wash, can lights with direct/indirect general LED lighting.
- Plumbing
  - Hand-wash sink.

ROOM DIAGRAM



Room Dimension as shown: 13’-10x18’-0”

EXAMPLE IMAGES





Medication Room

DATA

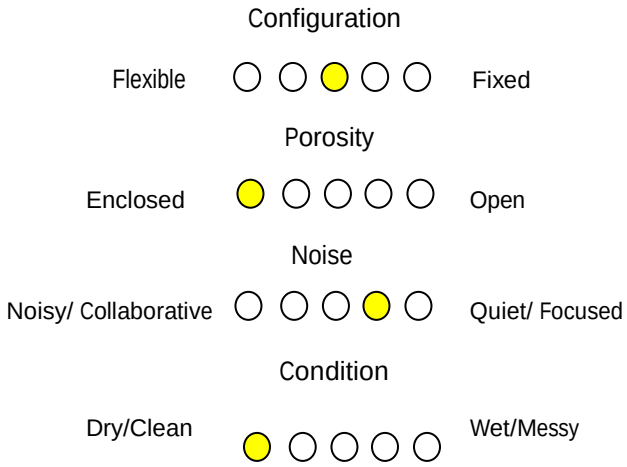
ASF Per Seat: N/A **Room Sizes**: 100 NSF

Room Occupancy: N/A **Maximum Occupancy:** N/A **Required Adjacencies:** Nurse's Station

DESCRIPTION

The medication room will be adjacent to the nurse's station. The room should be secured

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied and Installed Equipment
- Wall shelves, lower cabinets, lockable upper cabinets with solid surface counters.
- Owner Supplied Contractor Installed Equipment
  - Soap and paper towel dispensers.
- Owner Supplied and Installed Equipment
  - Computer.
- Owner Supplied and Installed Furniture
  - Full-height refrigerator, chair.

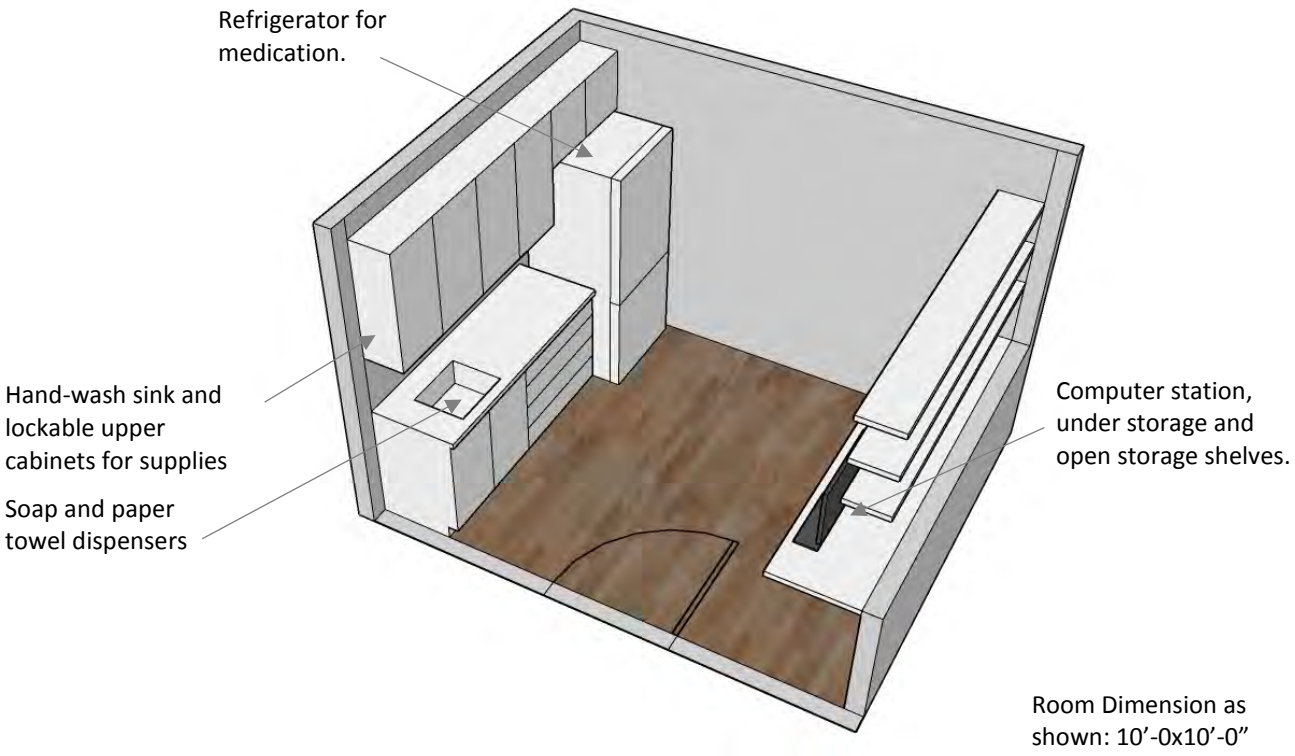
TECHNICAL REQUIREMENTS

- Finishes and Surfaces
  - Ceiling: Painted gypsum board.
  - Wall: Painted gypsum wall board.
  - Floor: Luxury vinyl tile (LVT).
  - Base material: 4 inch rubber base.
  - Door: Single, 3'-0" wood door, lever handle; access control integrated into building security system.

- Power, Data, Lighting
  - Power: duplex outlet at counter, duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity throughout, hardwire power and data at counter.
  - Lighting: Direct/indirect general LED lighting, no windows.
- Plumbing
  - Hand-wash sink.

Medication Room

ROOM DIAGRAM



Room Dimension as shown: 10’-0x10’-0”

EXAMPLE IMAGES



Residential Spaces

Dorm Room Suites (1-2 person)

Resident Assistant Room

Dorm Room Suites (3-4 person)

Floor Lounge

Game Room

TV Room

Computer Lab

Tutoring Lab

Main Common Lounge

Laundry Room



Dorm Rooms / Shared Rest Room – Two Rooms

DATA

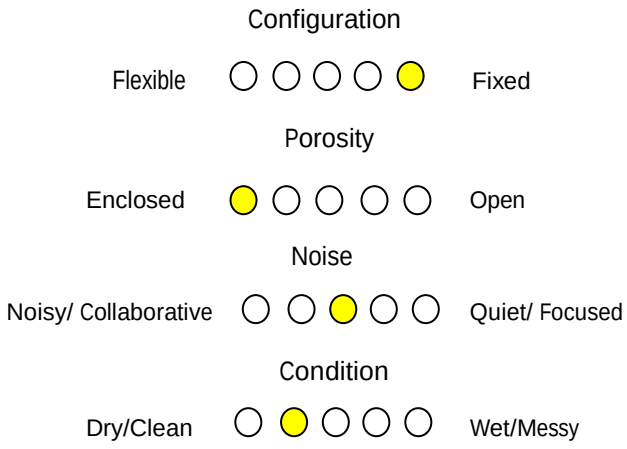
ASF Per Bed: 150.0-300.00 **Room Sizes**: Dorm Room 300 NSF each, total of 600 NSF, including bathroom

Room Occupancy: 2-4 **Maximum Occupancy:** 2-4 **Required Adjacencies:** Other Dorm Rooms

DESCRIPTION

These dorm rooms are single or double occupancy with a shared shower / toilet and private sink in each room. The room will accommodate a single bed, desk, wardrobe and 4’ casework with sink, garbage disposal and area for microwave.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied and Installed Equipment
  - Window shades as required, 4’ casework for sink, upper shelving and under drawer storage, shelving for TV.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied and Installed Equipment
  - Refrigerator/microwave combo.
- Owner Supplied and Installed Equipment
  - Bed, desk or couches/chairs in each room.
  - Lockable wardrobes.

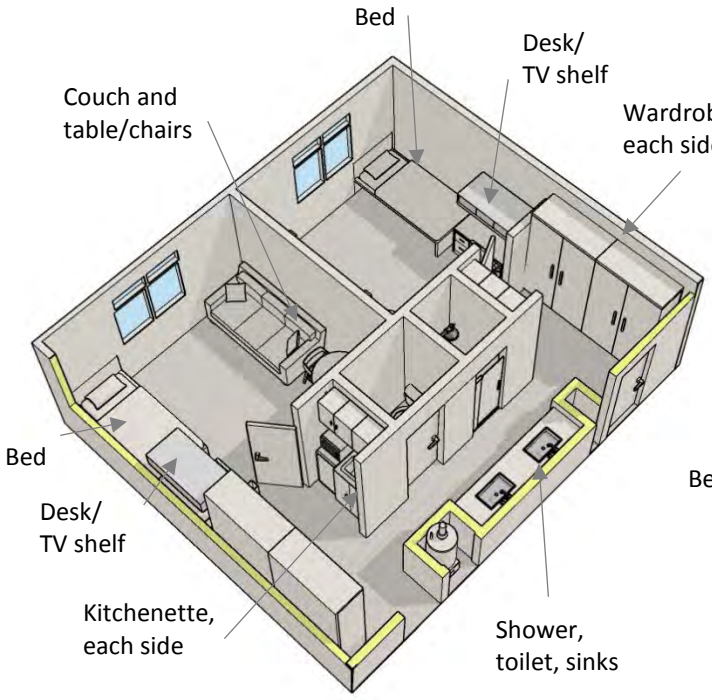
TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Painted gypsum board.
  - Wall: Combination of painted gypsum wall board.
  - Floor: Vinyl composition tile (VCT).
  - Base Material: Rubber.
  - Door: 3’-7” wood door(s), peep hole, lever handle, keyed doors.
- Power, Data, & Lighting
  - Power: duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity.
  - Lighting: 20-30 foot-candles, general LED, window shades as required.
- Plumbing
  - Shared shower and toilet, sinks.

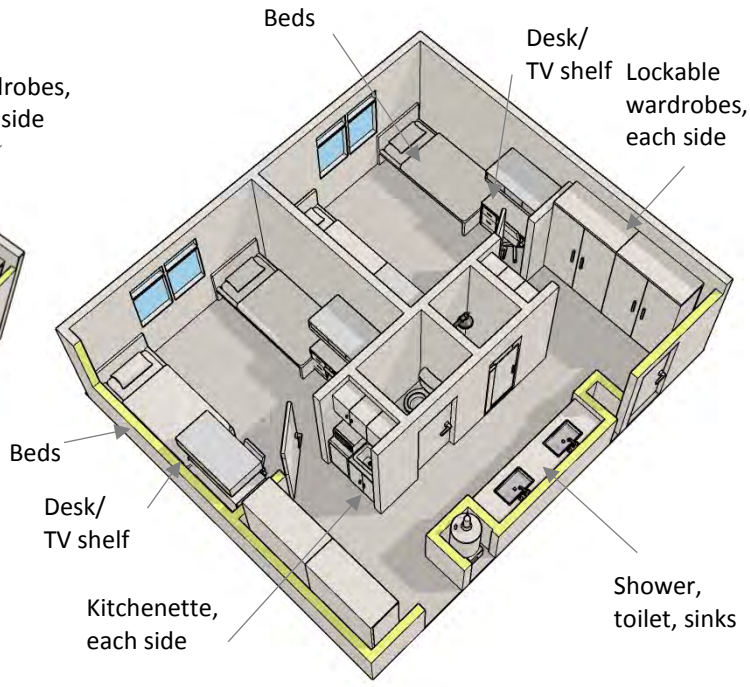
Note: Handicapped accessible unit will slightly increase the space allocation. The illustration shown is not handicapped accessible.

Dorm Rooms / Shared Rest Room – Two Rooms

ROOM DIAGRAM

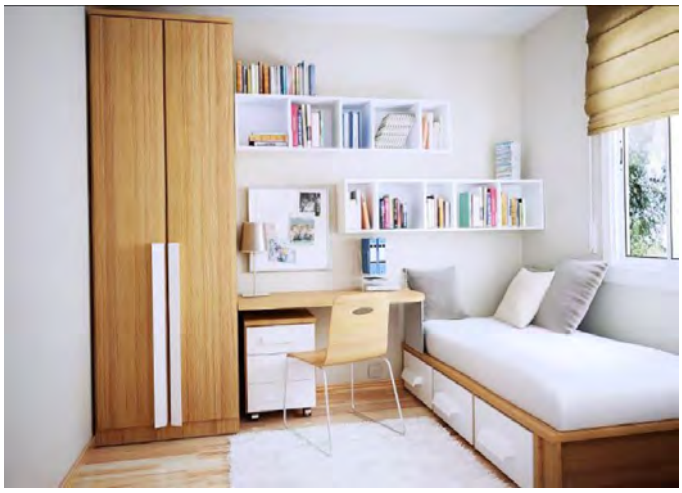


Room Dimension as shown: 26’-0” x 23’-2”



Room Dimension as shown: 28’-0” x 23’-6”

EXAMPLE IMAGES





Dorm Rooms /Resident Assistant Room

DATA

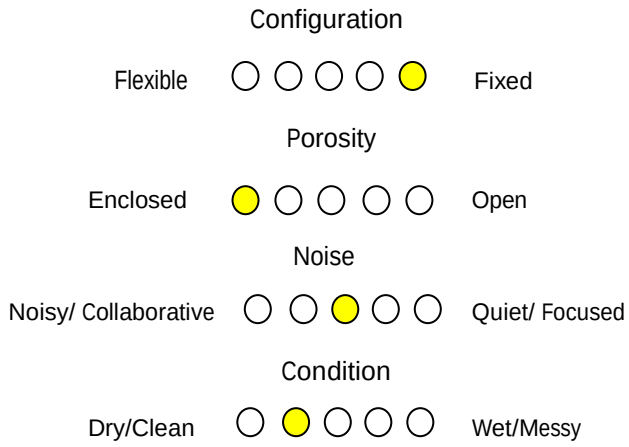
ASF Per Bed: 300.00 **Room Sizes**: Dorm Room 300 NSF

Room Occupancy: 1 **Maximum Occupancy:** 1 **Required Adjacencies:** Other Dorm Rooms

DESCRIPTION

These dorm rooms are single or double occupancy with a shared shower / toilet and private sink in each room. The room will accommodate a single bed, desk, wardrobe and 4’ casework with sink, garbage disposal and area for microwave.

QUALITIES



EQUIPMENT & FURNITURE

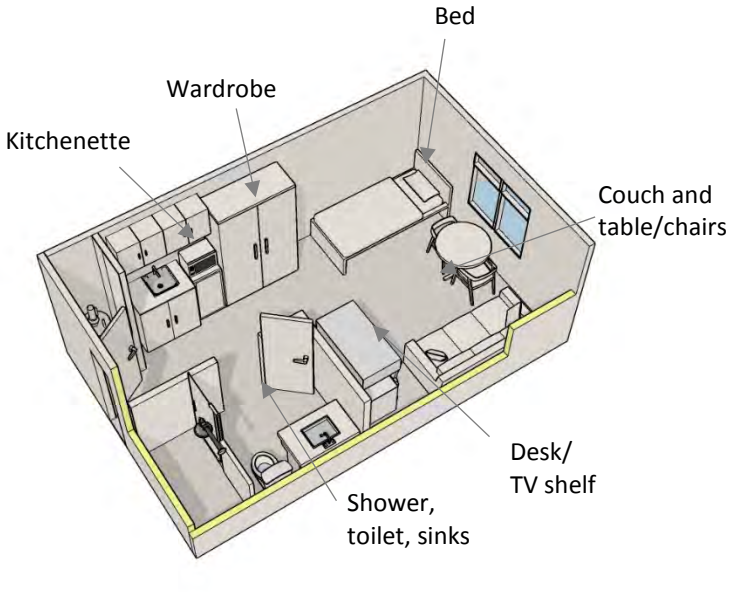
- Contractor Supplied and Installed Equipment
  - Window shades as required, 4’ casework for sink, upper shelving and under drawer storage, shelving for TV.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied and Installed Equipment
  - Refrigerator/microwave combo.
- Owner Supplied and Installed Equipment
  - Bed, desk, couch, table and chairs
  - Lockable wardrobe.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Painted gypsum board.
  - Wall: Combination of painted gypsum wall board.
  - Floor: Vinyl composition tile (VCT).
  - Base Material: Rubber.
  - Door: 3’-7” wood door(s), peep hole, lever handle, keyed.
- Power, Data, & Lighting
  - Power: duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity.
  - Lighting: 20-30 foot-candles, general LED, window shades as required.
- Plumbing
  - Shower and toilet, sinks.

Dorm Rooms /Resident Assistant Room

ROOM DIAGRAM



Room Dimension as shown: 13’-0” x 23’-0”

EXAMPLE IMAGES





Dorm Rooms / Shared Rest Room- Three Rooms

DATA

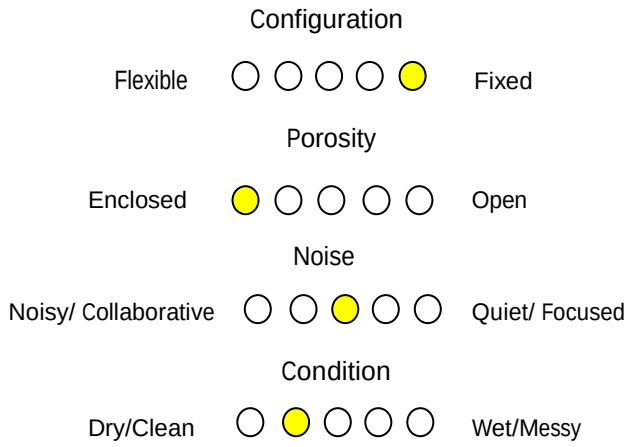
ASF Per Bed: 120.0 **Room Sizes**: Dorm Room 120 NSF each, Rest Room/Sinks 80 NSF/ Living 180 NSF,

Room Occupancy: 4 **Maximum Occupancy:** 4 **Required Adjacencies:** Other Dorm Rooms

DESCRIPTION

These dorm rooms are single occupancy with a shared shower / toilet / sink and a separate 5' casework with sink, garbage disposal and area for microwave. Each room will accommodate a single bed, desk, and wardrobe.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied and Installed Equipment
  - Window shades as required, 4' casework for sink, upper shelving and under drawer storage, shelving for TV in bedrooms.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied and Installed Equipment
  - Refrigerator/microwave combo.
- Owner Supplied and Installed Furniture
  - Bed, desk in each room.
  - Lockable wardrobes.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Painted gypsum board
  - Wall: Combination of painted gypsum wall board.
  - Floor: Vinyl composition tile (VCT)
  - Base Material: Rubber
  - Door: 3'-7" wood door(s), peep hole, lever handle, keyed doors.
- Power, Data, & Lighting
  - Power: duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity.
  - Lighting: 20-30 foot-candles, general LED, window shades as required.
- Plumbing
  - Shared shower and toilet and two sinks.

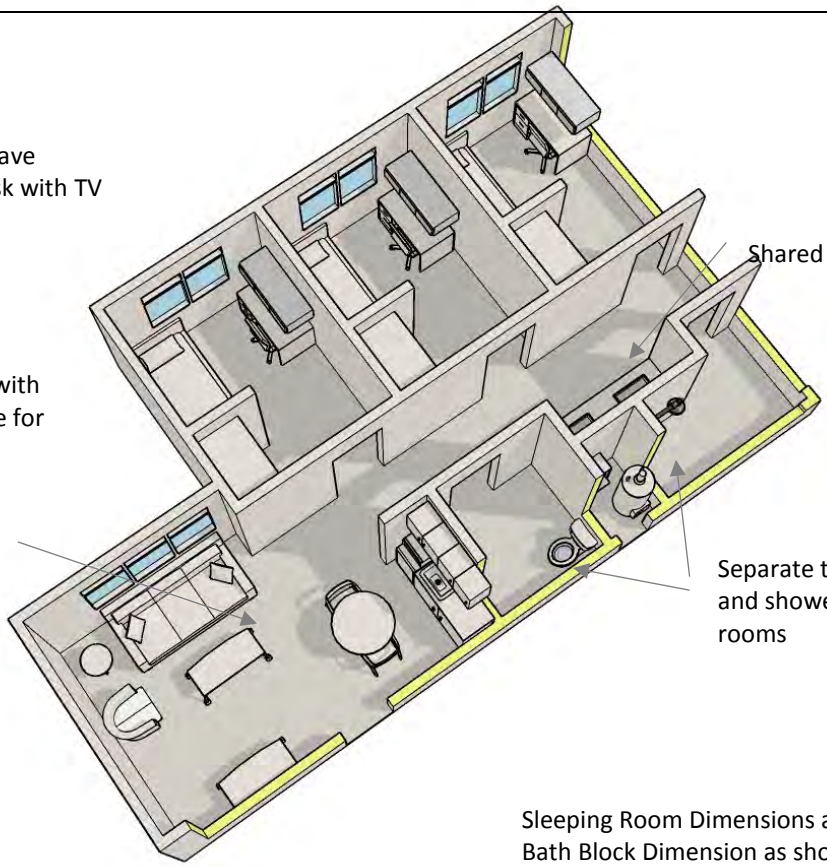
Dorm Rooms / Shared Rest Room- Three Rooms

ROOM DIAGRAM

All bedrooms have wardrobe a desk with TV shelf and bed

Shared sinks

Common area with seating, console for TV, small table/chairs, kitchenette



Separate toilet and shower rooms

Sleeping Room Dimensions as shown: 9’-0” x 12’-0”
Bath Block Dimension as shown: ~10’-6” x 16-6”
Living Common Dimension as shown: ~11’-6” x 19’-0”

EXAMPLE IMAGES





Dorm Rooms / Shared Rest Room- Four Rooms

DATA

ASF Per Seat: 120.0

Room Sizes: Dorm Room 120 NSF each, Rest Room/Sinks 80 NSF/ Living 180-250 NSF Option 1- 864 NSF, Option 2- 945 NSF

Room Occupancy: 4

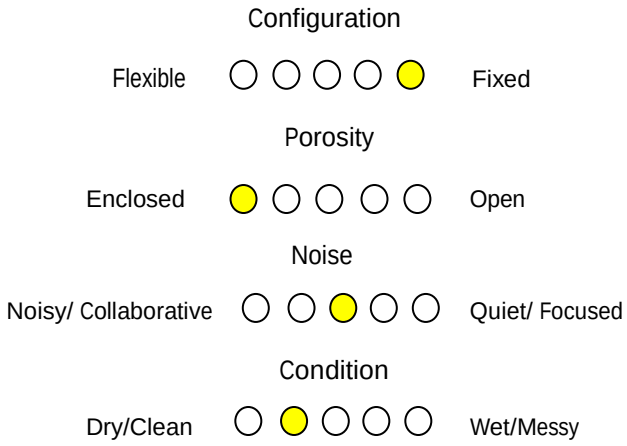
Maximum Occupancy: 4

Required Adjacencies: Other Dorm Rooms

DESCRIPTION

These dorm rooms are single occupancy with a shared shower / toilet / sink and a separate 5' casework with sink, garbage disposal and area for microwave. Each room will accommodate a single bed, desk, and wardrobe.

QUALITIES



EQUIPMENT & FURNITURE

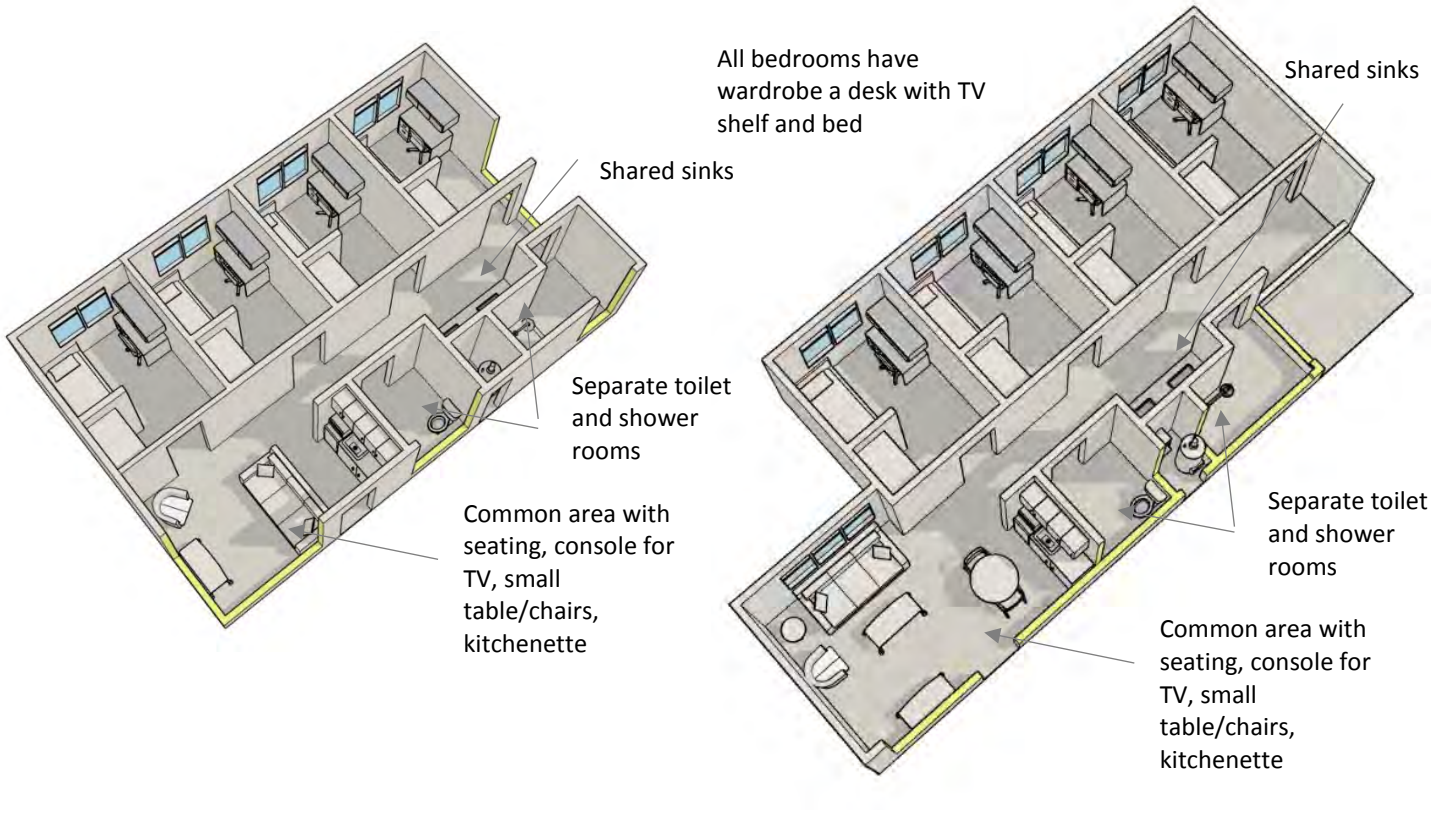
- Contractor Supplied and Installed Equipment
  - Window shades as required, 4' casework for sink, upper shelving and under drawer storage, shelving for TV in bedrooms.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied and Installed Equipment
  - Refrigerator/microwave combo.
- Owner Supplied and Installed Furniture
  - Bed, desk in each room.
  - Lockable wardrobes.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Painted gypsum board
  - Wall: Combination of painted gypsum wall board.
  - Floor: Vinyl composition tile (VCT)
  - Base Material: Rubber
  - Door: 3'-7" wood door(s), peep hole, lever handle, keyed doors.
- Power, Data, & Lighting
  - Power: duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity.
  - Lighting: 20-30 foot-candles, general LED, window shades as required.
- Plumbing
  - Shared shower and toilet and two sinks.

Dorm Rooms / Shared Rest Room- Four Rooms

ROOM DIAGRAM



Sleeping Room Dimensions as shown: 9’-0” x 12’-0”
Bath Block Dimension as shown: ~10’-6” x 16-6”
Living Common Dimension as shown: ~11’-6” x 19’-0”

EXAMPLE IMAGES





Shared Lounge Each Floor

DATA

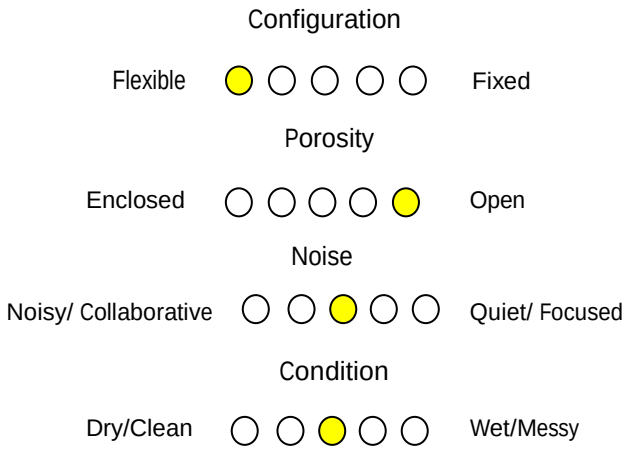
ASF Per Occupant: 20.0 **Room Sizes**: 480 NSF

Room Occupancy: 24 **Maximum Occupancy:** 24 **Required Adjacencies:** Dorm Rooms and Study Rooms

DESCRIPTION

A lounge will be centrally located on each floor or wing. A lounge should be provided for every eight-four occupancy suites and every 32 two occupancy suites. The lounge will have soft seating and a 5' coffee bar with sink.

QUALITIES



EQUIPMENT & FURNITURE

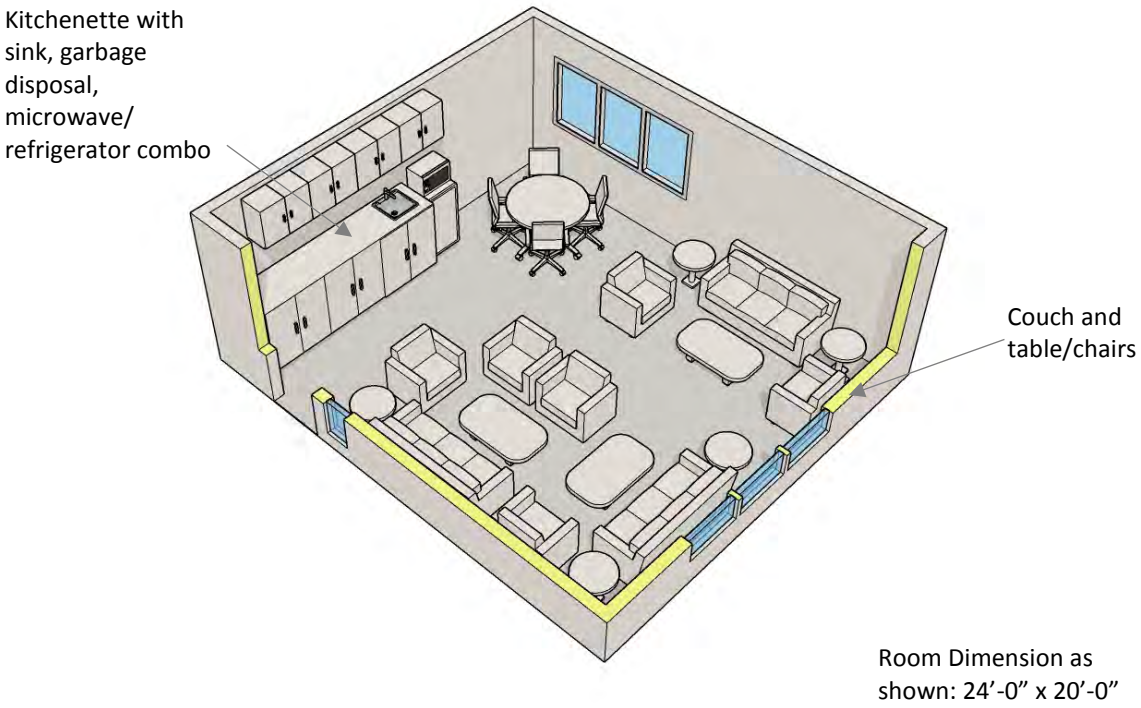
- Contractor Supplied and Installed Equipment
  - Window shades as required, 5' casework for sink with garbage disposal, upper shelving and under drawer storage.
- Owner Supplied Contractor Installed Equipment
  - Microwave/refrigerator combo.
- Owner Supplied and Installed Equipment
  - Comfortable seating, table and chairs.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Painted gypsum board
  - Wall: Combination of painted gypsum wall board.
  - Floor: Vinyl composition tile (VCT)
  - Base Material: Rubber
  - Door: Open
- Power, Data, & Lighting
  - Power: duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity.
  - Lighting: 20-30 foot-candles, general LED, window shades as required.
- Plumbing
  - A sink with garbage disposal.

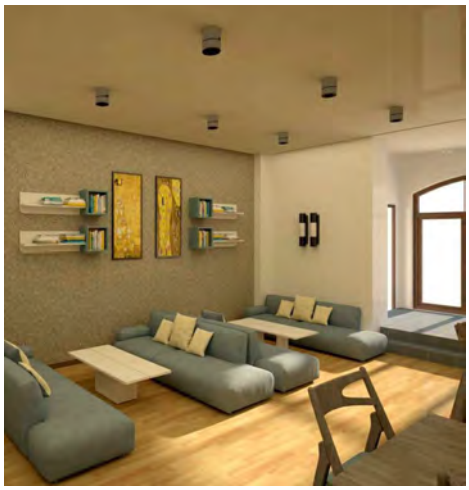
Shared Lounge Each Floor

ROOM DIAGRAM



Room Dimension as shown: 24’-0” x 20’-0”

EXAMPLE IMAGES





Game Room

DATA

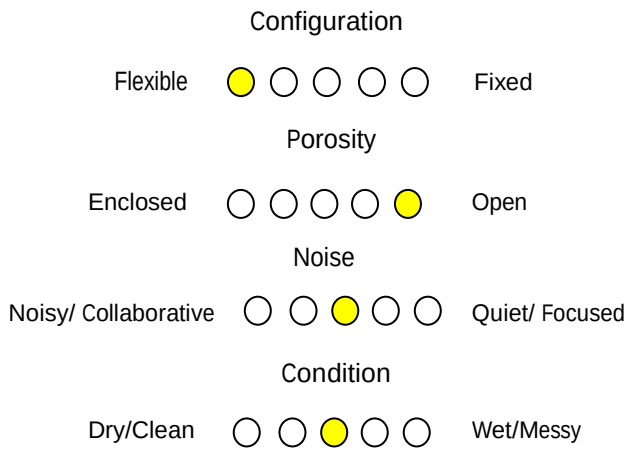
ASF Per Occupant: 20.0 **Room Sizes**: 1200 NSF

Room Occupancy: 50 **Maximum Occupancy:** 50 **Required Adjacencies:** TV Lounge

DESCRIPTION

The game room will accommodate two pool tables and two foosball or ping pong tables.

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied and Installed Equipment
  - Window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied and Installed Equipment
  - TV monitors.
- Owner Supplied and Installed Furniture
  - Comfortable seating, tables and chairs, pool tables, cue/ball storage racks, lockable console for storage, ping pong tables or foosball tables.

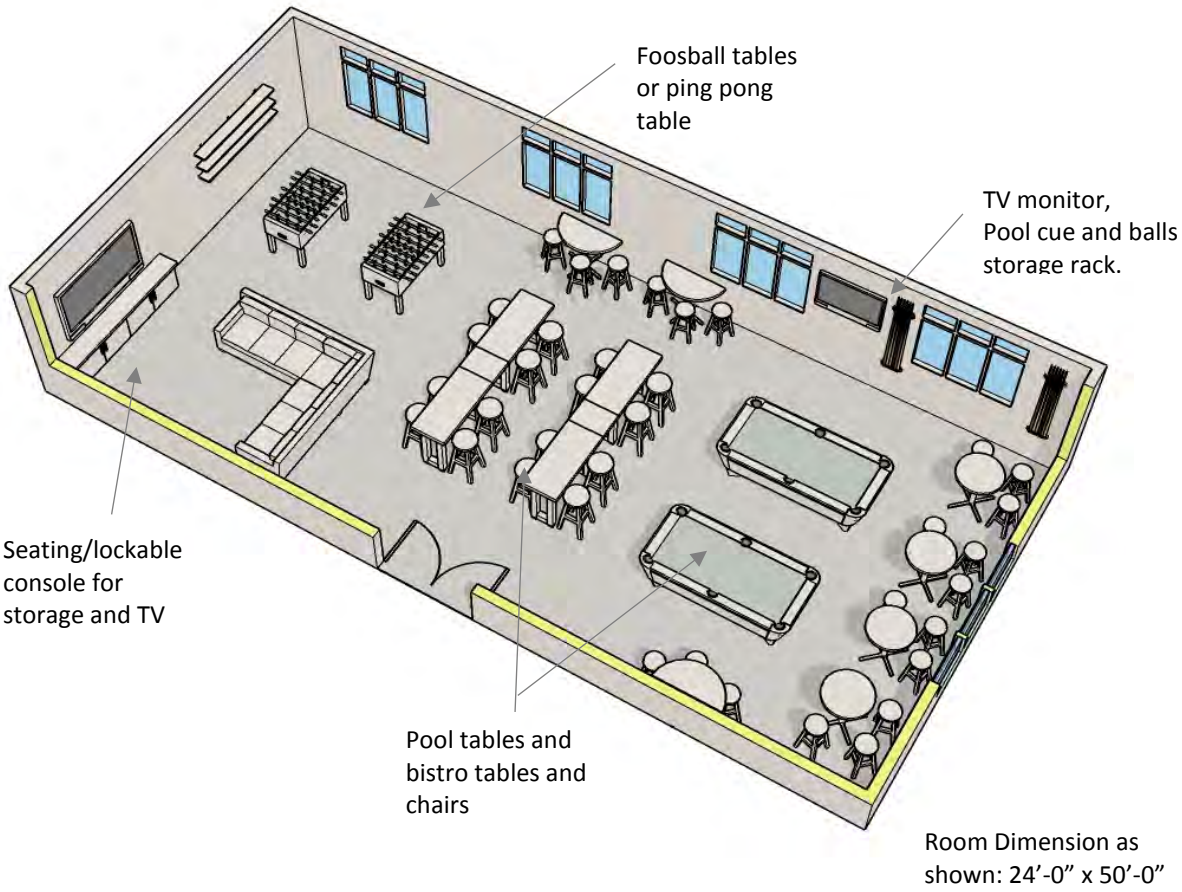
TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Painted gypsum board.
  - Wall: .Painted gypsum wall board.
  - Floor: Vinyl composition tile (VCT).
  - Base Material: Rubber.
  - Door: Double, 3’-0” doors, option for fully open if noise will not be an issue.
- Power, Data, & Lighting
  - Power: duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity.
  - Lighting: 20-30 foot-candles, general LED, window shades as required.

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Game Room

ROOM DIAGRAM



EXAMPLE IMAGES





TV Room

DATA

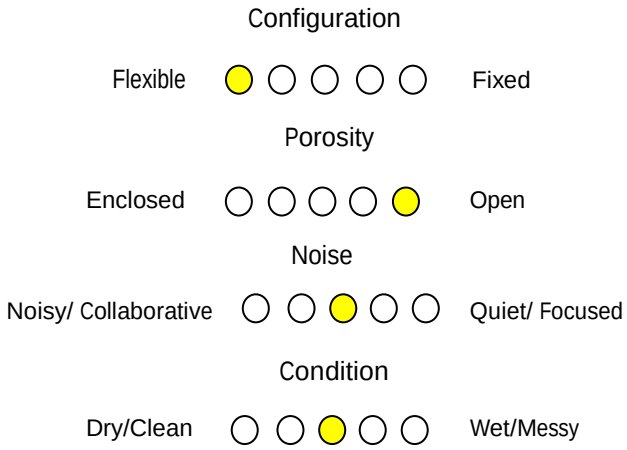
ASF Per Occupant: 15.0 **Room Sizes**: 450 NSF

Room Occupancy: 30 **Maximum Occupancy:** 30 **Required Adjacencies:** Game Room

DESCRIPTION

The TV room will be adjacent to the game room and could be integrated with the game room with some separation. The TV room will have a minimum of one TV monitor

QUALITIES



EQUIPMENT & FURNITURE

- Contractor Supplied and Installed Equipment
  - Window shades as required, 5’ casework for sink, under drawer storage, counter area for microwave.
- Owner Supplied Contractor Installed Equipment
  - None
- Owner Supplied and Installed Equipment
  - TV monitor(s).
- Owner Supplied and Installed Furniture
  - Comfortable seating, side tables, coffee tables.

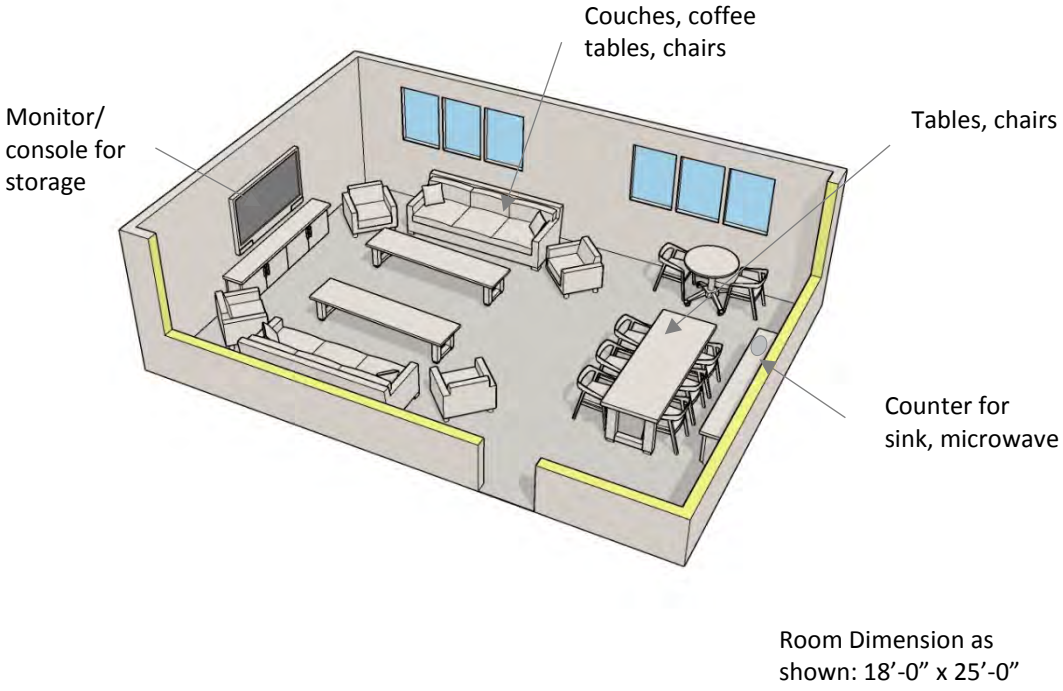
TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Painted gypsum board.
  - Wall: Combination of painted gypsum wall board.
  - Floor: Vinyl composition tile (VCT).
  - Base Material: Rubber.
  - Door: Open
- Power, Data, & Lighting
  - Power: duplex outlets at regular intervals around perimeter, outlets for monitors.
  - Data: Wireless connectivity, hard connection at TV monitor(s).
  - Lighting: 20-30 foot-candles, general LED, window shades as required.

..

TV Room

ROOM DIAGRAM



Room Dimension as shown: 18’-0” x 25’-0”

EXAMPLE IMAGES





Computer Lab

DATA

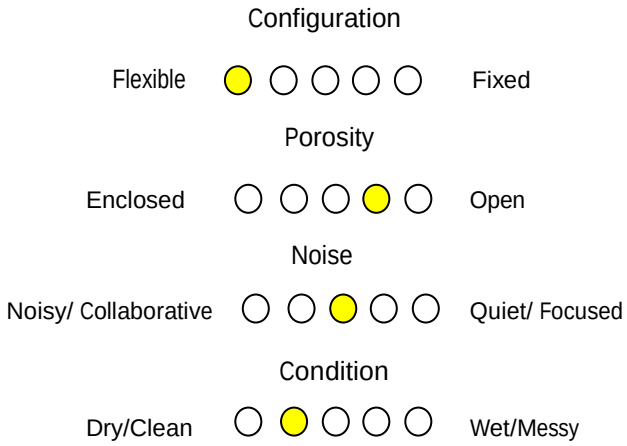
ASF Per Seat: 30.0 **Room Sizes**: 625 NSF

Room Occupancy: 20 **Maximum Occupancy:** 20 **Required Adjacencies:** Tutoring Room

DESCRIPTION

Computer lab for general student use and tutoring. The area per desk is slightly higher to allow for some separation between desks.

QUALITIES



EQUIPMENT & FURNITURE

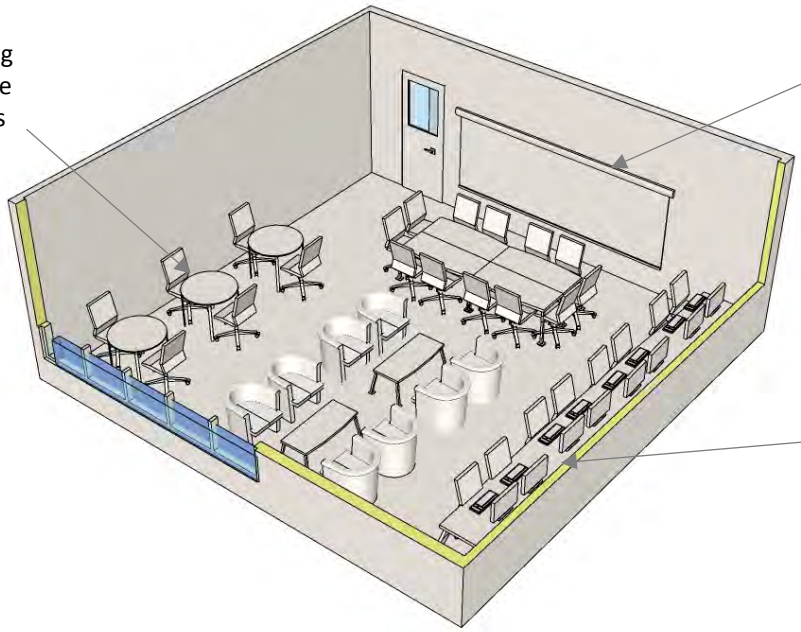
- Contractor Supplied & Installed Equipment
  - Window shades as required, 4’ writeable wall covering surface, with magnetic top rail and reveal at the top and bottom (min. 1 wall), option to have fixed computer desk the length of the room.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Computers, optional touch-screen monitor.
- Owner Supplied & Installed Furniture
  - Moveable stacking chairs, movable tables.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical Treatment
  - Wall: Combination of painted gypsum wall board, acoustical treatment, and dry erase surfaces.
  - Floor: Vinyl composition tile (VCT).
  - Base Material: Rubber.
  - Door: 3’-7” wood door(s), vision panel, lever handle,12” sidelight; access control integrated into building security system.
- Power, Data, & Lighting
  - Power: duplex outlets at regular intervals around perimeter, floor-mounted outlets at regular intervals.
  - Data: Wireless connectivity throughout, hardwire power and data at tables.
  - Lighting: 30-50 foot-candles, general LED indirect - dimmable at select locations, shades as required.
- Access Controls for a Secured Environment
  - Access controlled room.

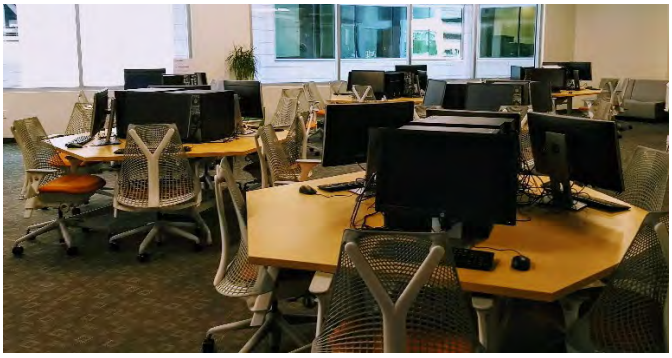
Computer Lab

ROOM DIAGRAM



Room Dimension as shown: 25’-0” x 25’-0”

EXAMPLE IMAGES





Tutoring Center

DATA

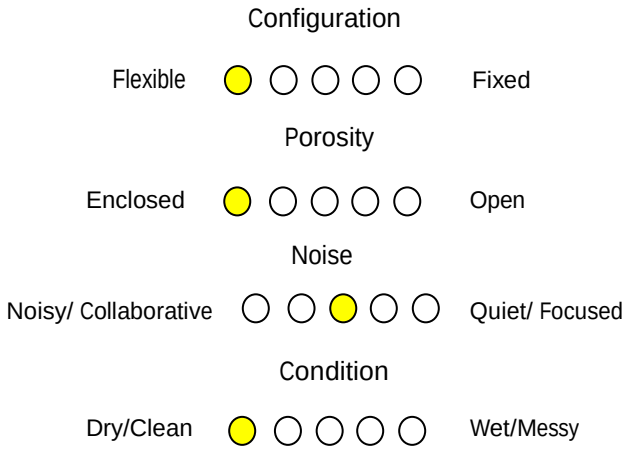
ASF Per Seat: 28.0 **Room Sizes**: 576 NSF

Room Occupancy: 20 **Maximum Occupancy:** 20 **Required Adjacencies:** Computer Room

DESCRIPTION

Student tutoring requiring desktop work. Computer tutoring will occur in the computer lab. This space may be integrated with the computer lab. The space will accommodate one-on-one and small group tutoring.

QUALITIES



EQUIPMENT & FURNITURE

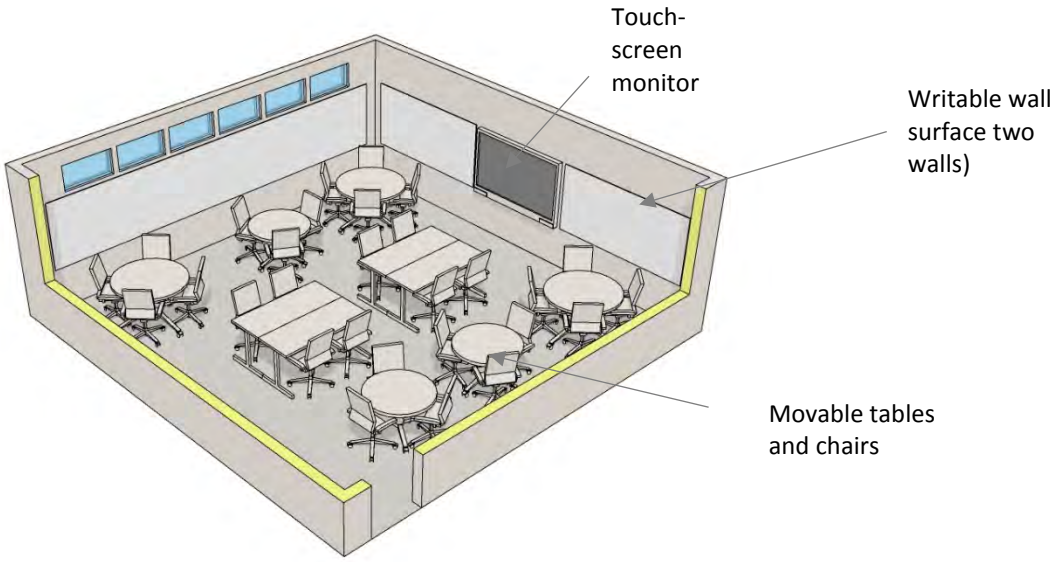
- Contractor Supplied & Installed Equipment
  - Window shades as required, 4’ writeable wall covering surface, with magnetic top rail and reveal at the top and bottom (min. 2 walls).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Monitor.
- Owner Supplied & Installed Furniture
  - Moveable stacking chairs, movable tables.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical treatment.
  - Wall: Combination of painted gypsum wall board, acoustical treatment, and dry erase surfaces.
  - Floor: Vinyl composition tile (VCT).
  - Base Material: Rubber.
  - Door: 3’-7” wood door(s), vision panel, lever handle,12” sidelight; keyed.
- Power, Data, & Lighting
  - Power: duplex outlets at regular intervals around perimeter, floor-mounted outlets at regular intervals.
  - Data: Wireless connectivity throughout.
  - Lighting: 30-50 foot-candles, general LED indirect - dimmable at select locations.

Tutoring Center

ROOM DIAGRAM



Room Dimension as shown: 24’-0” x 24’-0”

EXAMPLE IMAGES





Main Level Common Lounge

DATA

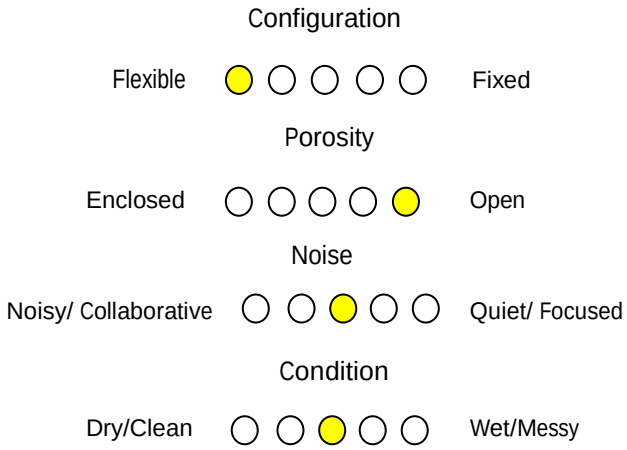
ASF Per Occupant: 20.0 **Room Sizes**: 500 NSF

Room Occupancy: 25 **Maximum Occupancy:** 40 **Required Adjacencies:** Main Entrance

DESCRIPTION

The main common lounge will be located on the first level adjacent to the entry. This area will be provided to allow for student and visitor interaction.

QUALITIES



EQUIPMENT & FURNITURE

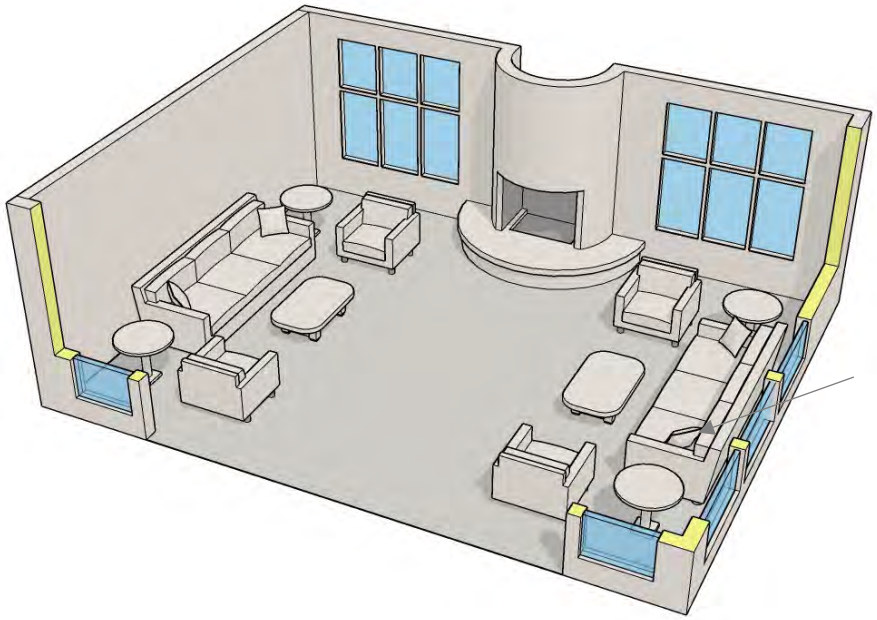
- Contractor Supplied and Installed Equipment
  - Window shades as required.
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied and Installed Equipment
  - Comfortable seating, coffee/side tables, chairs, (bottled water fill station and vending machines nearby).

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical tiles.
  - Wall: Painted gypsum wall board.
  - Floor: Vinyl composition tile (VCT).
  - Base Material: Rubber.
  - Door: Open.
- Power, Data, & Lighting
  - Power: duplex outlets at regular intervals around perimeter.
  - Data: Wireless connectivity.
  - Lighting: 20-30 foot-candles, general LED.

Main Level Common Lounge

ROOM DIAGRAM



Couch and table/chairs

Room Dimension as shown: 20’-0” x 25’-0”

EXAMPLE IMAGES





Laundry Room

DATA

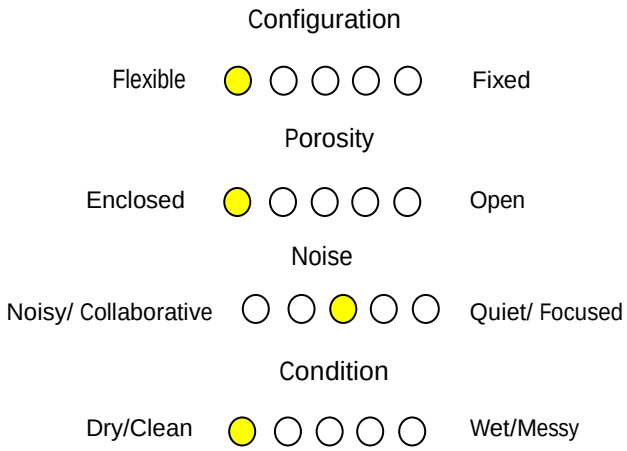
ASF Per Unit: 20.0 **Room Sizes**: 200 NSF Machines, 320 seating/folding tables

Room Multiplier: 12-15 **Maximum Occupancy:** 12-15 **Required Adjacencies:** Main Common Area

DESCRIPTION

The laundry room will be adjacent and visible from the main common area to provide for the safety of students. It will accommodate 12 washers and 12 dryers, seating for 12 or more and three folding tables. Multiple laundry rooms may be required depending on the number of beds.

QUALITIES



EQUIPMENT & FURNITURE

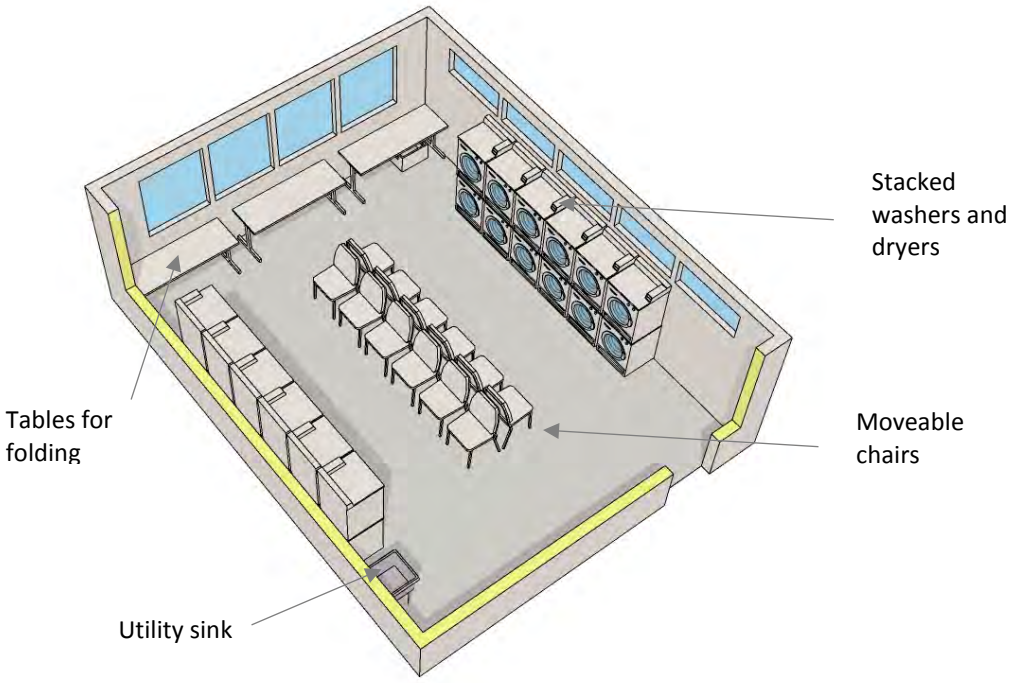
- Contractor Supplied & Installed Equipment
  - Window shades as required.
- Owner Supplied Contractor Installed Equipment
  - Washers and dryers.
- Owner Supplied & Installed Equipment
  - None
- Owner Supplied & Installed Furniture
  - Moveable stacking chairs, tables for folding, carts.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical treatment.
  - Wall: Combination of painted gypsum wall board, acoustical treatment.
  - Floor: Vinyl composition tile (VCT).
  - Base Material: Rubber.
  - Door: 3’-7” wood door(s), vision panel, lever handle, 12” sidelight; keyed.
- Power, Data, & Lighting
  - Power: duplex outlets at regular intervals around perimeter, floor mounted outlets at regular intervals.
  - Data: Wireless connectivity.
  - Lighting: 20 foot-candles, general LED.
- Plumbing
  - Utility sink.

Laundry Room

ROOM DIAGRAM



Room Dimension as shown: 20’-0” x 26’-0”

EXAMPLE IMAGES





Study Rooms

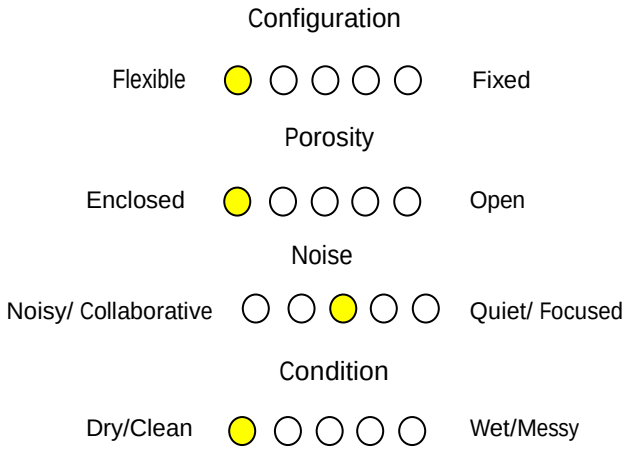
DATA

ASF Per Unit: 20.0
Room Sizes: 120 NSF
Room Multiplier: 6
Maximum Occupancy: 6
Required Adjacencies: Common Lounge

DESCRIPTION

Two study rooms will be provided on each level of the dormitory. The rooms are enclosed to accommodate individual study or small groups in a quiet place.

QUALITIES



EQUIPMENT & FURNITURE

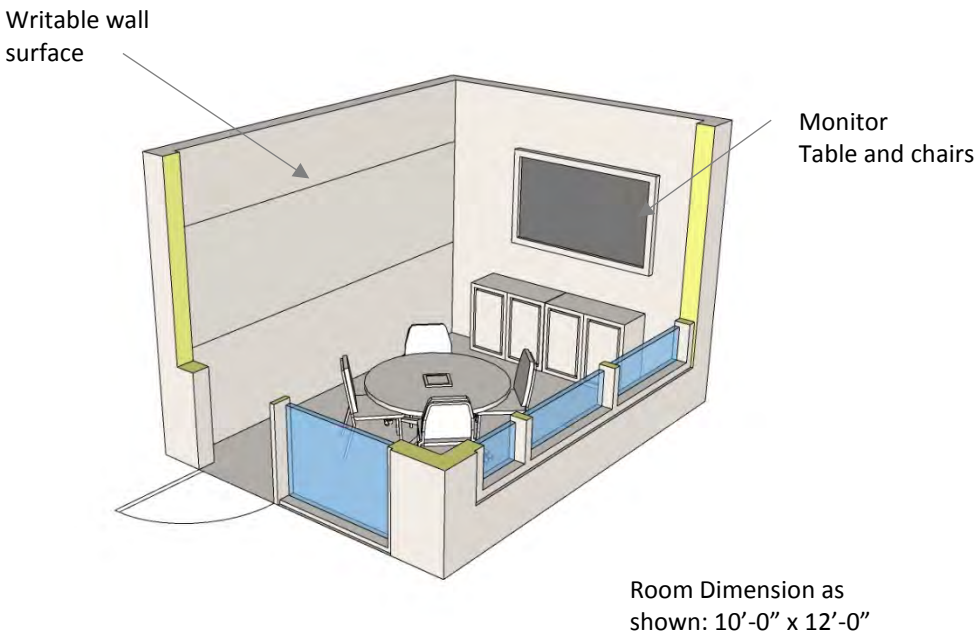
- Contractor Supplied & Installed Equipment
  - Window shades as required, 4’ writeable wall covering surface, with magnetic top rail and reveal at the top and bottom (min. 2 walls).
- Owner Supplied Contractor Installed Equipment
  - None.
- Owner Supplied & Installed Equipment
  - Monitor.
- Owner Supplied & Installed Furniture
  - Moveable stacking chairs, movable table, console optional.

TECHNICAL REQUIREMENTS

- Finishes & Surfaces
  - Ceiling: Acoustical treatment.
  - Wall: Combination of painted gypsum wall board, acoustical treatment, and dry erase surfaces.
  - Floor: Vinyl composition tile (VCT).
  - Base Material: Rubber.
  - Door: 3’-7” wood door(s), vision panel, lever handle,12” sidelight or curtain wall as shown in the illustrations; keyed.
- Power, Data, & Lighting
  - Power: duplex outlets at regular intervals around perimeter, floor-mounted outlets at the table.
  - Data: Wireless connectivity.
  - Lighting: 20 foot-candles, general LED indirect, shades as required.

Study Rooms

ROOM DIAGRAM



EXAMPLE IMAGES



