HIGH SCHOOL
EDUCATIONAL SPECIFICATIONS

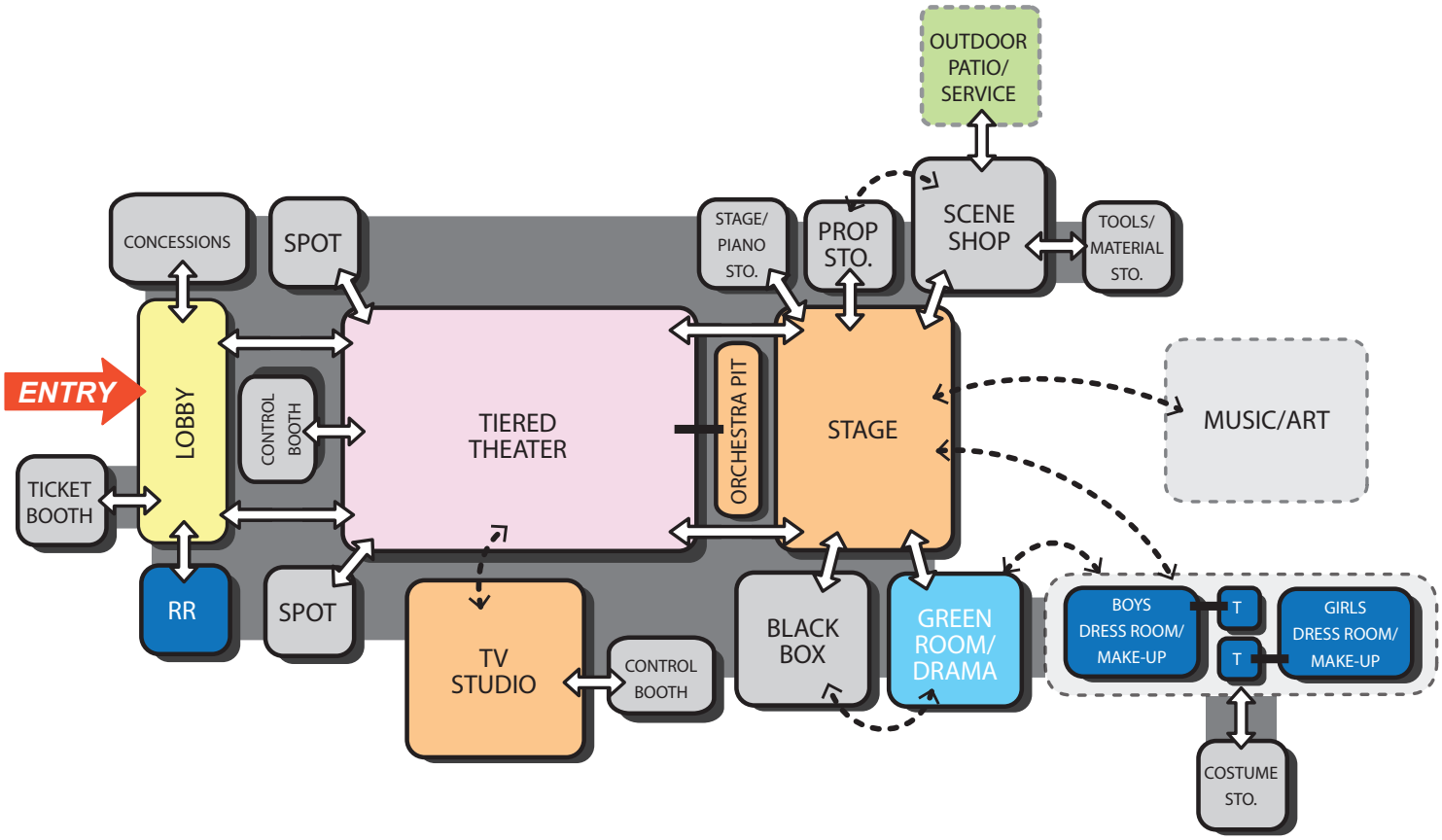
COMPONENT:

PERFORMING & FINE ARTS EXHIBITION

DESCRIPTION/GOALS

- The Performing & Fine Arts / Exhibition Component is the creative heart of campus serving as both an explorative center for students to engage in all forms of 2D, 3D, and performance art as well as an exhibition center inviting the public in for both student, and community performances.
- Aesthetic: exciting and inspiring to the student body, i.e. building as a teaching tool
- Welcoming events center for campus as well as usable to the community at large
- Ease of access
- State-of-the-art facilities for both art production and performance events

ADJACENCY DIAGRAM



ROOM TYPE:

THEATER - 500 SEATS

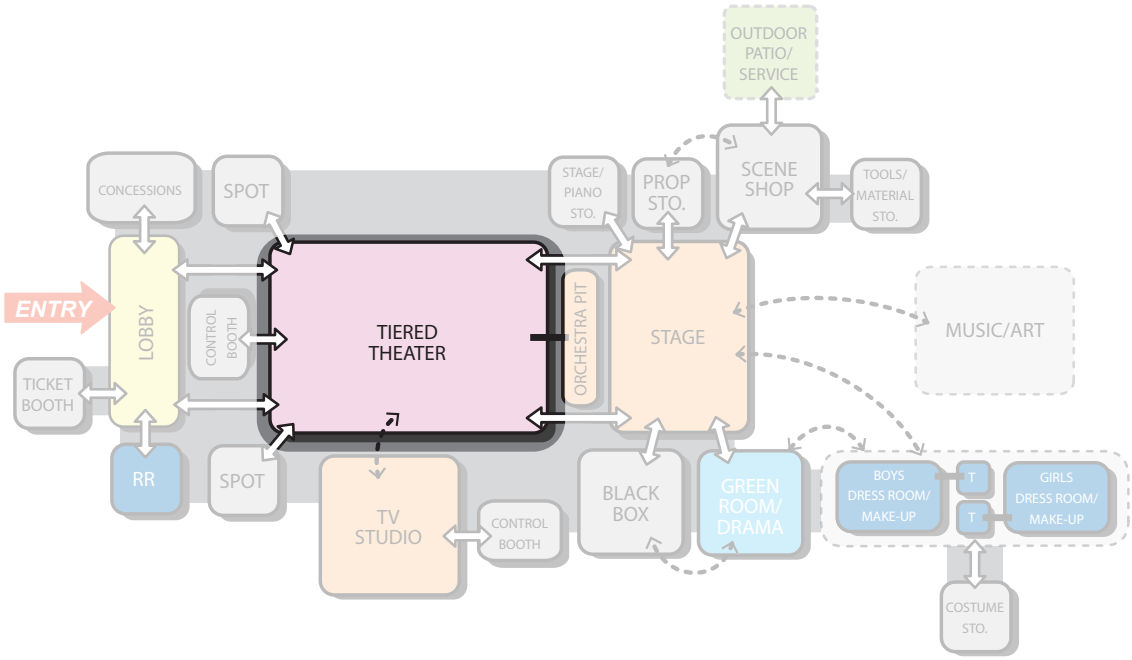
SIZE: 5500 sf
OCCUPANTS: 500, Varies

ACTIVITIES AND USES

Seating for a variety of school and community lecture and performance functions to include school assembly, lecture, drama, band and orchestra concerts, choral and dance performances, and video presentations.

SUPPORT SPACES

- Theater lobby: 500 sf
- Concessions: 200 sf
- Control room (sound & lighting): 200 sf
- Spot platforms: 60 sf
- Ticket booth: 80 sf
- Public restrooms: 2 @ 300 sf



SPECIAL CONSIDERATIONS

- Ceiling material: diffusing treatment per acoustic design of space
- Ceiling height varies per space and acoustic design - recommend height to achieve 200-300 cu.ft. volume per seat
- Wall material: absorptive and diffusing wall treatments per acoustic design of space (side wall diffusing elements, rear wall absorption - typical)
- Floor material: carpet tile at walkways, sealed / stained concrete under seats
- Low reflectance colors adjacent to stage proscenium and stage lighting sources

DOORS / WINDOWS

- Light and sound lock vestibules at all doors (gasketed),

FURNITURE / EQUIPMENT/ MILLWORK

- Upholstered auditorium seating (Min. 21" wide chairs). Seating to be configured in an "end stage/proscenium" arrangement (approx. 45% seating angle of inclusion)

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of room within flexible range set by district's EMS system- air delivery / velocity design for low ambient noise level (max. ambient NC 20)
- Room temperature sensor connected to campus EMS
- Fire alarm/suppression as required

PLUMBING

- N/A
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ELECTRICAL / LIGHTING

- Outlets for general room and workstation use
- Clean, segregated power distribution with surge suppression
- House lighting, walkway lighting, vertical side lights, catwalk lighting, and spots
- Lighting: per IES Lighting Handbook guidelines

TECHNOLOGY

- Sound amplification from stage
- Hardwired video outlet to permit taping of in-room activities, transmitting to on-campus locations, and receiving video transmission from on-campus distribution system
- Wireless access capable for most computer communications/applications
- Acoustic design for varied stage performances. 1.3 to 1.8 second reverberation time recommended
- Acoustics: per ANSI/ASA S12.60-2010/ Part 1 "American National Standard Acoustical Performance Criteria, Design Requirements and Guidelines for Schools,"
- Part 1: Permanent Schools
- Min. 60 STC rating between auditorium and adjacent occupied spaces / corridors

ROOM TYPE:

STAGE

SIZE: 2050 sf

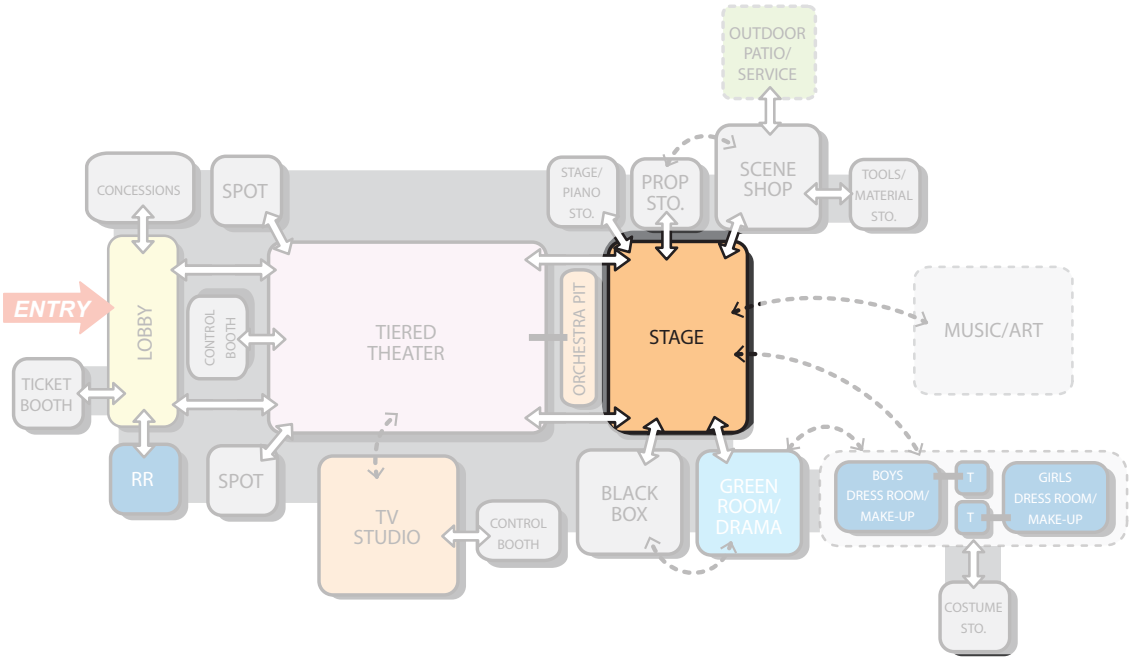
OCCUPANTS: Varies per activity

ACTIVITIES AND USES

Proscenium-type stage with fly loft for a variety of school and community lecture and performance functions to include school assembly, lecture, drama, band and orchestra concerts, choral and dance performances, opera, touring productions and video presentations.

SUPPORT SPACES

- Orchestra pit: 500 sf
- Costume storage: 300 sf
- Prop storage: 200 sf
- Piano storage: 100 sf



SPECIAL CONSIDERATIONS

- Ceiling material: exposed structure painted black at stage
- As required for proscenium height and counterweight system (approx. 2.5 times proscenium height = 60' to underside of loft block grid
- Wall material: concrete masonry units painted black at stage
- Floor material: softwood, stained opaque black, seal concrete at stage sides
- Acoustics: per ANSI/ASA S12.60-2010/ Part 1 "American National Standard Acoustical Performance Criteria, Design Requirements and Guidelines for Schools,"
- Part 1: Permanent Schools

DOORS / WINDOWS

- Sound/light lock vestibules at all doors (gasketed), Min. 50 STC ratings between stage and adjacent occupied spaces / corridors

FURNITURE / EQUIPMENT/ MILLWORK

- Double-purchase counterweight system
- Raised counterweight loading gallery
- Loftblock grid
- Sound system
- Stage rigging and curtains to include front curtain with valance, and fire curtain
- Motorized projection screen
- Legs, borders, mid-stage traveler and rear traveler
- Cyclorama (sky blue)
- Clock

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of room within flexible range set by district's EMS system- air delivery / velocity designed for low ambient noise level (max. ambient NV 20) and no curtain billowing
- Room temperature sensor connected to campus EMS
- Fire alarm/suppression as required
- Automatic smoke vents as required

PLUMBING

- N/A

ELECTRICAL / LIGHTING

- Outlets for general room and workstation use
- Clean, segregated power distribution with surge suppression
- Fluorescent working lights
- Full memory control board
- Stage lighting positions to include over-stage light bars, side wall slots, and auditorium light bridges
- Fluorescent working lights
- Lighting: per IES Lighting Handbook guidelines

TECHNOLOGY

- Telephone / intercom handset, VoIP
- Local area network connectivity
- Wireless access capable for most computer communications/applications
- Video receptacles at left and right sides of proscenium opening
- Sound reinforcement systems with microphone receptacles at back wall, left and right sides or proscenium, and stage front
- Monitor speaker receptacles at control room and dressing rooms
- Director headset receptacles in control room, backstage, catwalk(s), dressing room, and followspot locations

ROOM TYPE:

DRAMA STUDIO / GREEN ROOM

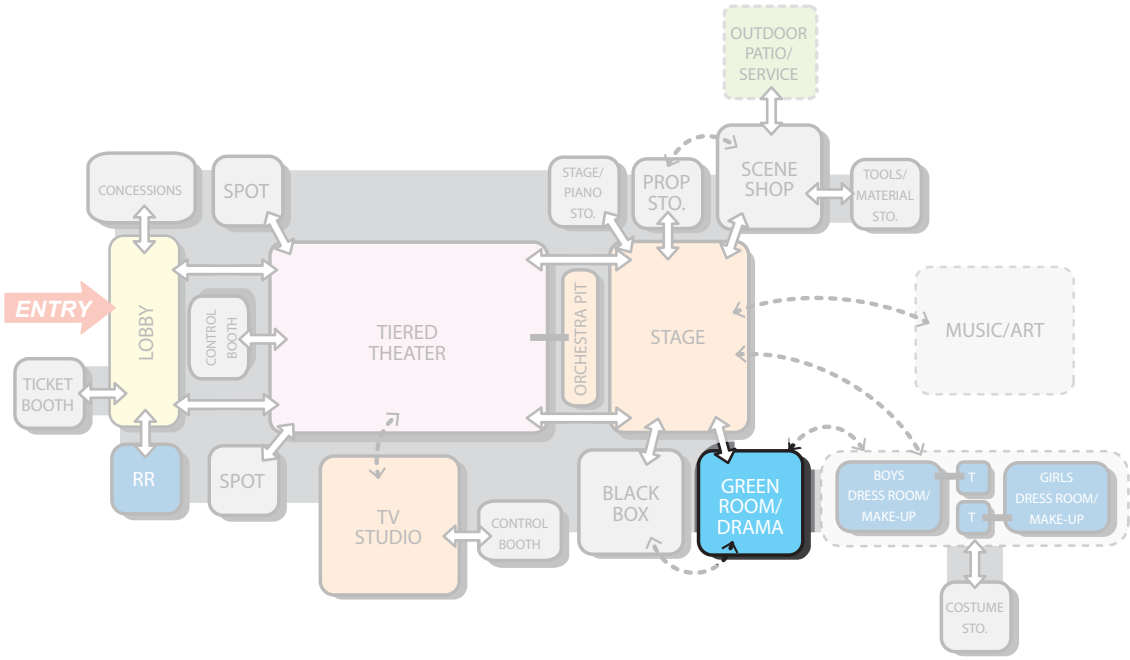
SIZE: 960 sf
OCCUPANTS: 1 instructor, 29 students

ACTIVITIES AND USES

The Green Room / Drama Studio accommodates whole and small group lecture / discussion, individual, cooperative and collaborative teaching and drama-based learning activities as well as serving as preparation or "green room" for the performance auditorium.

SUPPORT SPACES

- None



PERFORMING AND FINE ARTS

SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile
- Ceiling height: 9'-0" min.
- Wall material: painted gypsum board with acoustic panels
- One wall tackable surface
- Floor material: carpet tile
- Adjacent classrooms accessible through common door
- Acoustics: per ANSI/ASA S12.60-2010/ Part 1 "American National Standard Acoustical Performance Criteria, Design Requirements and Guidelines for Schools,"
- Part 1: Permanent Schools
- Min. 55 STC rating between studio and adjacent occupied spaces

DOORS / WINDOWS

- Door with view panel
- Energy efficient windows with blinds
- Skylights acceptable

FURNITURE / EQUIPMENT/ MILLWORK

- (1) Instructor workstation
- Informal / casual seating -OR-
- Flexible / nesting tables with chairs
- (1) 80" TV monitor display
- Technology console
- Storage cabinets (with locks)
- Markerboard: (2) 4' x 12' or marker wall
- Tackboard: (2) 4' x 4'
- Clocks

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of area within flexible range set by district's EMS system
- Room temperature sensor connected to campus EMS
- Fire alarm/suppression as required

PLUMBING

- N/A

ELECTRICAL / LIGHTING

- Outlets for general room and workstation use
- Clean, segregated power distribution with surge suppression
- Lighting: per IES Lighting Handbook guidelines
- Ability to dim room in response to video projection

TECHNOLOGY

- Telephone / intercom handset, VoIP
- Intercom speaker with outlet
- Hardwired video outlet to permit taping of in-room activities, transmitting to on-campus locations, and receiving video transmission from on-campus distribution system at TV monitor display
- Local area network connectivity
- Wireless access capable for most computer communications/applications

ROOM TYPE:

DRESSING ROOMS / MAKE-UP

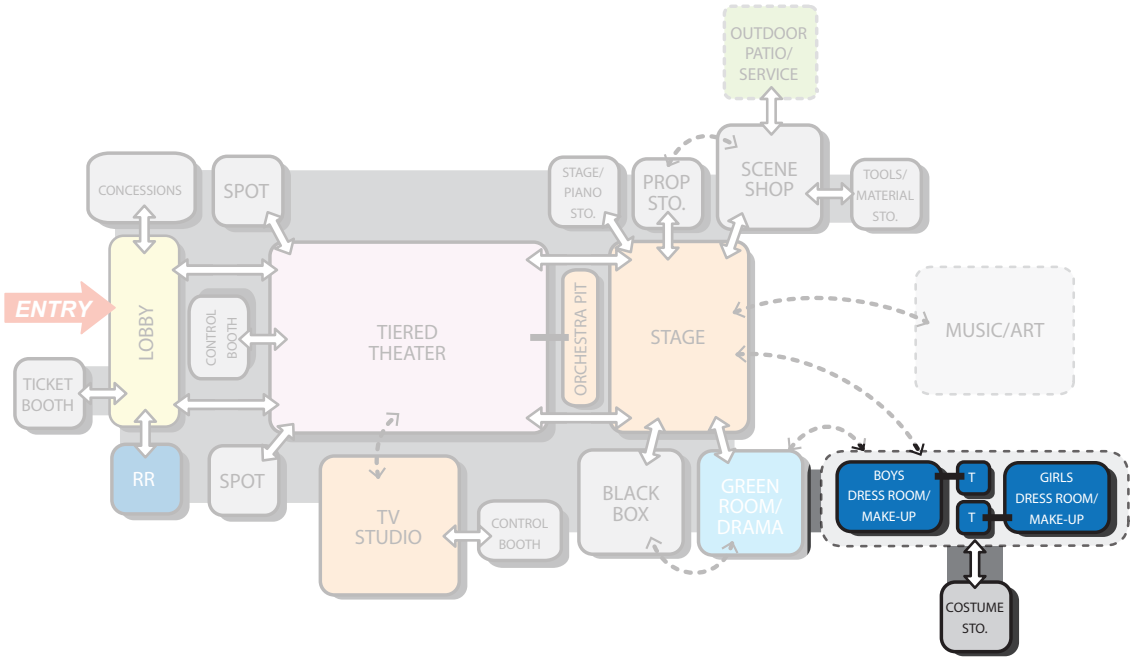
SIZE: 180 sf
OCCUPANTS: Varies

ACTIVITIES AND USES

Dressing, make-up, clothes changing for auditorium and black box theater performances.

SUPPORT SPACES

- Toilets: 2 @ 60 sf



SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile
- Ceiling height: 9'-4" min.
- Wall material: painted gypsum board
- Floor material: vinyl composite tile
- Acoustics: per ANSI/ASA S12.60-2010/ Part 1 "American National Standard Acoustical Performance Criteria, Design Requirements and Guidelines for Schools,"
- Part 1: Permanent Schools
- Min. 55 STC rating between stage and adjacent occupied spaces / corridors

DOORS / WINDOWS

- Door with view panel

FURNITURE / EQUIPMENT/ MILLWORK

- Counter and mirrors with lights at make-up area
- Stools at each make-up station
- Locker room benches in dressing area
- Tall storage cabinets (with locks)
- Wardrobe storage in dressing rooms (temporary costume storage)
- Clock

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of area within flexible range set by district's EMS system
- Room temperature sensor connected to campus EMS
- Fire alarm/suppression as required

PLUMBING

- Sinks with hot and cold water in make-up stations

ELECTRICAL / LIGHTING

- Outlets for general room and workstation use
- Clean, segregated power distribution with surge suppression
- Wall-mounted tungsten bulbs at make-up and adjacent spaces
- Lighting: per IES Lighting Handbook guidelines
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TECHNOLOGY

- Telephone / intercom handset, VoIP
- Director's headset receptacles in dressing rooms
- Monitor and speakers in dressing rooms

ROOM TYPE:

BLACK BOX THEATER

SIZE: 2400 sf

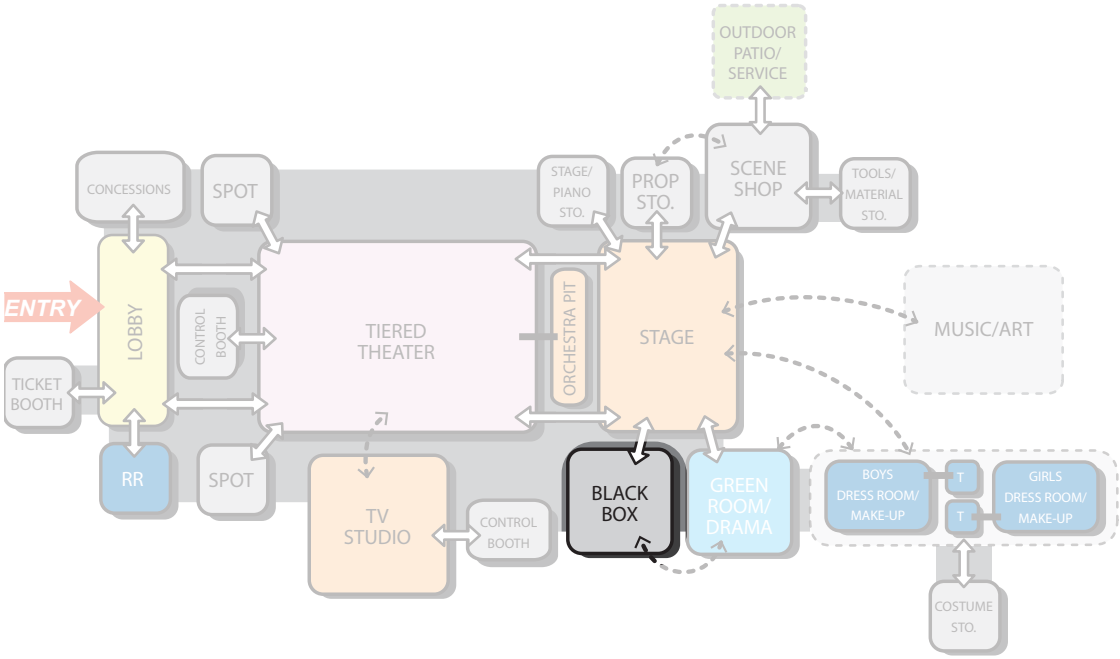
OCCUPANTS: 1 instructor, 29 students, 100 retractable seats

ACTIVITIES AND USES

The Black Box Theater is a flexible / adaptable performance theater space for a variety of small-capacity functions to include intimate drama / performance productions as well as serve as an auxiliary drama teaching space.

SUPPORT SPACES

- Theater lobby: 500 sf
- Control room (sound & lighting): 200 sf
- Spot platforms: 60 sf



SPECIAL CONSIDERATIONS

- Ceiling material: exposed structure painted black with unistrut grid at ceiling for dead-hung curtains and light bars as required
- Ceiling height: 20'-0" min.
- Wall material: concrete masonry units painted black with acoustic wall panels
- Floor material: softwood, stained opaque black
- Acoustics: per ANSI/ASA S12.60-2010/ Part 1 "American National Standard Acoustical Performance Criteria, Design Requirements and Guidelines for Schools,"
- Part 1: Permanent Schools
- Min. 50 STC rating between theater and adjacent occupied spaces
- Movable portable stage
- Movable portable seating risers

DOORS / WINDOWS

- Sound/light lock vestibules at all doors (gasketed)

FURNITURE / EQUIPMENT/ MILLWORK

- Stage lighting / dimmer system
- Sound system
- Technology console
- Portable marker board
- Clock

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of room within flexible range set by district's EMS system- air delivery / velocity designed for low ambient noise level (max. ambient NV 20) and no curtain billowing
- Room temperature sensor connected to campus EMS
- Fire alarm/suppression as required

PLUMBING

- N/A

ELECTRICAL / LIGHTING

- Outlets for general room and workstation use
- Clean, segregated power distribution with surge suppression
- Fluorescent working lights
- Stage lighting/dimming system
- Lighting: per IES Lighting Handbook guidelines

TECHNOLOGY

- Telephone / intercom handset, VoIP
- Local area network connectivity
- Wireless access capable for most computer communications/applications
- Sound reinforcement systems with microphone receptacles at various wall and floor locations

ROOM TYPE:

TV STUDIO

SIZE: 960 sf

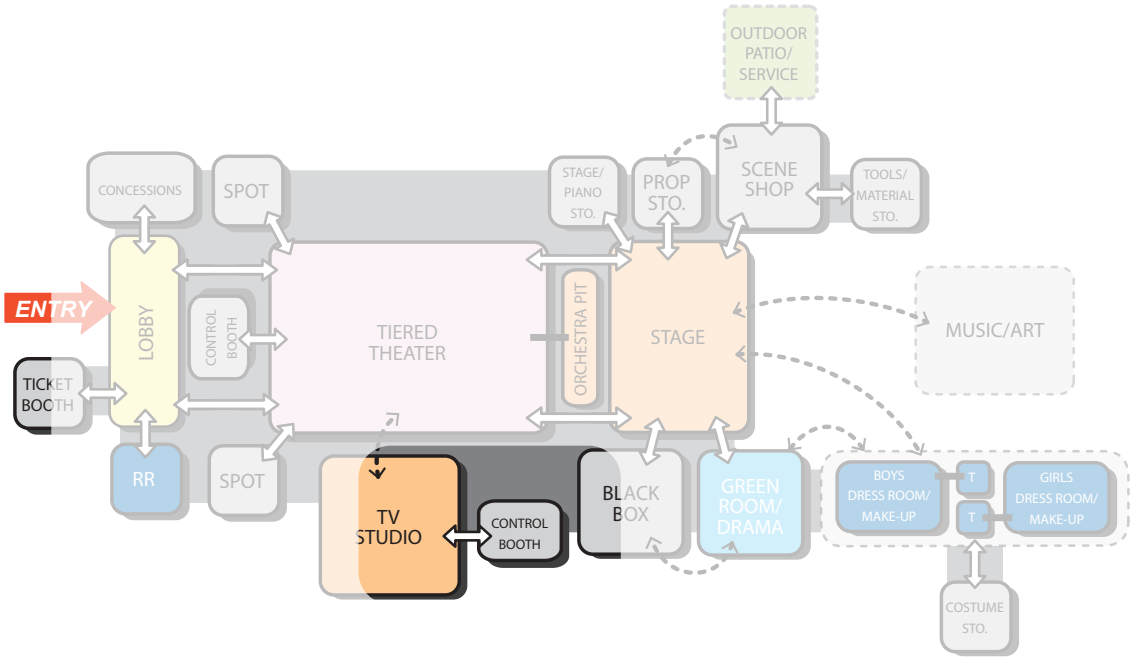
OCCUPANTS: 1 instructor, 29 students

ACTIVITIES AND USES

Small group video and broadcast instruction and production activities.

SUPPORT SPACES

- Control booth: 120 sf



SPECIAL CONSIDERATIONS

- Ceiling material: exposed structure painted black with unistrut grid at ceiling for scenery placement and light bars as required
- Ceiling height: 16'-0" min.
- Wall material: concrete masonry unit painted black with acoustic wall panels
- Floor material: vinyl composite tile
- Acoustics: per ANSI/ASA S12.60-2010/ Part 1 "American National Standard Acoustical Performance Criteria, Design Requirements and Guidelines for Schools,"
- Part 1: Permanent Schools
- Min. 65 STC rating between studio and adjacent occupied spaces

DOORS / WINDOWS

- Sound / light lock vestibules at entry

FURNITURE / EQUIPMENT/ MILLWORK

- Studio lighting / dimmer system
- Sound system
- TV camera with A/V equipment
- Green screen background
- Clock

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of room within flexible range set by district's EMS system- air delivery / velocity designed for low ambient noise level.
- Room temperature sensor connected to campus EMS
- Fire alarm/suppression as required

PLUMBING

- N/A

ELECTRICAL / LIGHTING

- Outlets for general room and workstation use
- Clean, segregated power distribution with surge suppression
- Supplemental and studio lighting
- Lighting: per IES Lighting Handbook guidelines

TECHNOLOGY

- Telephone / intercom handset, VoIP
- Local area network connectivity
- Wireless access capable for most computer communications/applications

ROOM TYPE:

SCENE SHOP

SIZE: 1200 sf

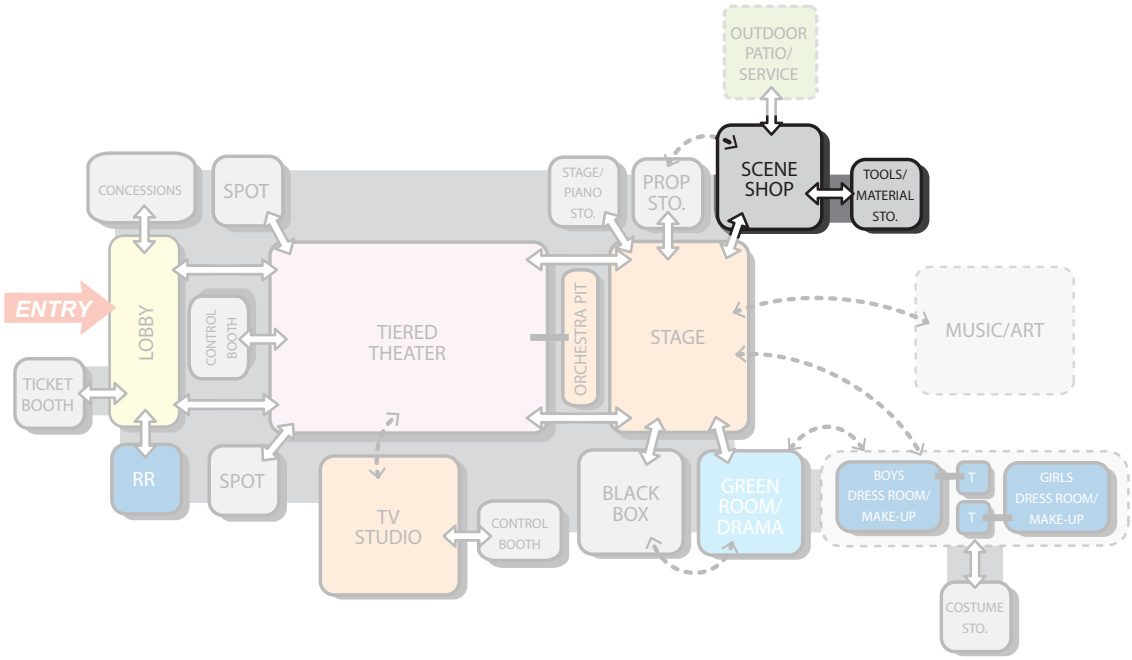
OCCUPANTS: 1 instructor, 29 students

ACTIVITIES AND USES

The Scene Shop serves as an instructional and support learning studio for set design in support of various student theater performances to include construction of scenery-scale objects and props, and backdrops.

SUPPORT SPACES

- Tools and material storage: 200 sf



SPECIAL CONSIDERATIONS

- Ceiling height: 12’-0” min., exposed structure
- Wall material: painted gypsum board
- One wall tackable surface
- Floor material: sealed concrete
- Acoustics: per ANSI/ASA S12.60-2010/ Part 1 “American National Standard Acoustical Performance Criteria, Design Requirements and Guidelines for Schools,”
- Part 1: Permanent Schools
- Min. 65 STC rating between studio and adjacent instructional / performance spaces
- Connection to large covered exterior work area
- Connection to / adjacency with multiple theater, performance, and production spaces

DOORS / WINDOWS

- Door with view panel
- Roll-up / overhead door access for large materials
- Energy efficient windows with blinds
- Skylights acceptable
- Large windows to exterior - natural light desirable

FURNITURE / EQUIPMENT/ MILLWORK

- (1) Instructor workstation
- Woodshop or similar equipment such as table saw, band saw, hand power tools, etc.
- Spray booth
- Dust / wood chip collection system
- Tool storage cabinets (with locks)
- Chemical storage (with locks)
- Large work tables
- Markerboard: (1) 4’ x 12’ or marker wall
- Tackboard: (1) 4’ x 4’
- Clock

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of area within flexible range set by district’s EMS system
- Room temperature sensor connected to campus EMS
- Fire alarm/suppression as required
- Exhaust fan

PLUMBING

- Deep basin sink with hot and cold water

ELECTRICAL / LIGHTING

- Outlets for general room and workstation use
- Clean, segregated power distribution with surge suppression
- Flexible electrical service overhead to supply power to middle of space
- Lighting: per IES Lighting Handbook guidelines

TECHNOLOGY

- Telephone / intercom handset, VoIP
- Intercom speaker with outlet
- Local area network connectivity
- Wireless access capable for most computer communications/applications