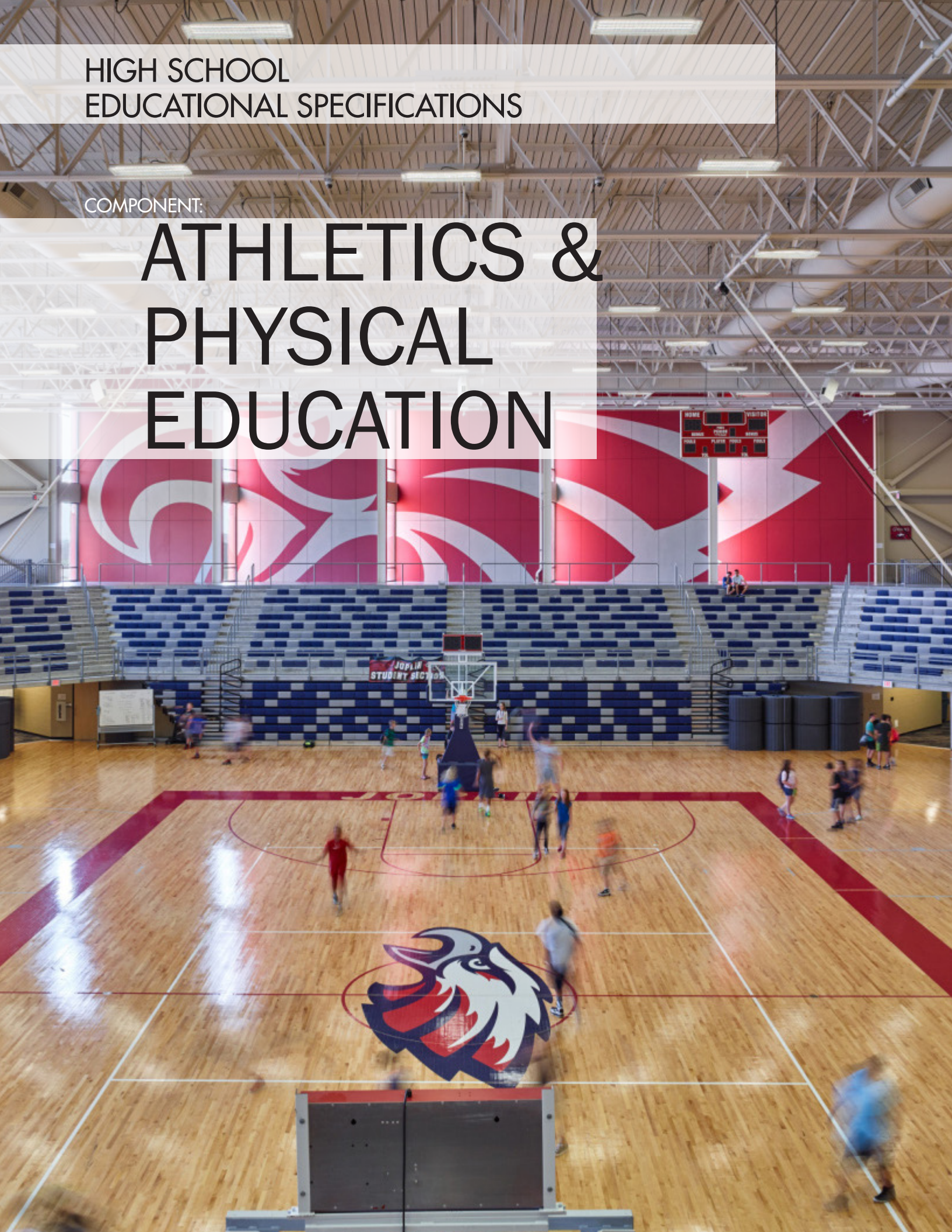


HIGH SCHOOL EDUCATIONAL SPECIFICATIONS

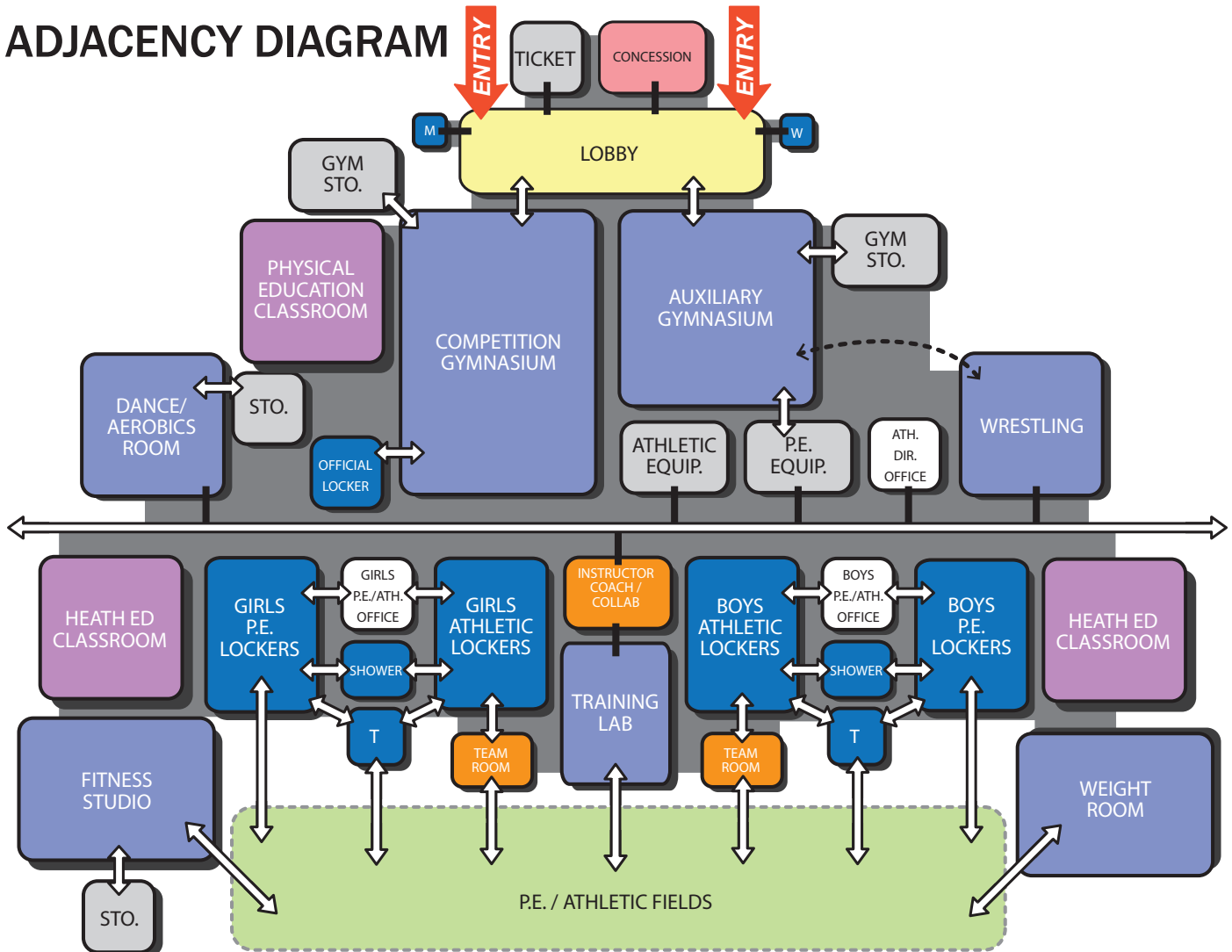
COMPONENT:

ATHLETICS & PHYSICAL EDUCATION



DESCRIPTION/GOALS

The Athletics & Physical Education Component provides educational, training, health, aid, and competition space for all indoor physical education and sports teams as well as providing for large / whole school assemblies and activities. In serving as the central P.E. and sports facility, it also provides a point of school pride to present to the community at large.



ROOM TYPE:

COMPETITION / AUXILIARY GYM

SIZE: 14,000/7,800 sf

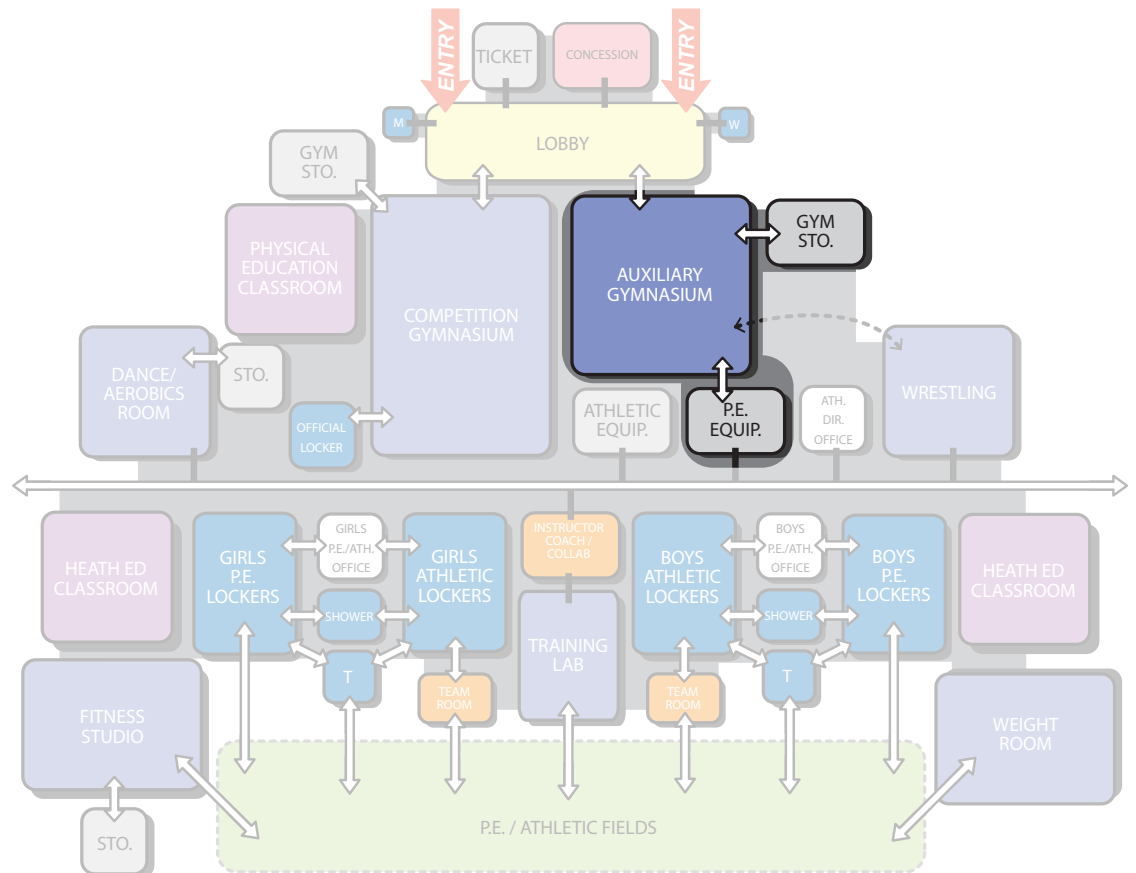
OCCUPANTS: Varies per event

ACTIVITIES AND USES

A variety of athletic competition, physical education, and lifetime sports activities to include basketball, volleyball, badminton, calisthenics and physical conditioning as well as a variety of school assembly functions and activities.

SUPPORT SPACES

- Gym storage: 300 sf (2)
- PE equipment storage: 600 sf



SPECIAL CONSIDERATIONS

- Ceiling material: painted exposed ceiling (acoustic metal deck)
- Ceiling height: 30'-0" min.
- Wall material: painted gypsum board
- Acoustical panel as required
- Maple gym floor
- 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 gymnasium and adjacent occupied instructional space
- Aesthetic: school colors, logos, graphics
- Court markings per National Federations of State High School Associates stands: 50' x 94' main basketball court, cross basketball courts (44' x 84'), main volleyball courts, and badminton courts

DOORS / WINDOWS

- Energy efficient windows with blinds
- Diffuse non-glare natural light acceptable skylight

FURNITURE / EQUIPMENT/ MILLWORK

- (6) Rectangular glass basketball backboards
- Canvas / mesh divider curtain
- (2) Scoreboards with wrestling and volleyball modules
- (2) Shot clocks
- 1600 Capacity telescoping bleachers (18" seat - 22" row spacing) for competition / 400 capacity for auxiliary
- Volleyball and badminton nets, floor plates and standards
- Electric projector screen with projector

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
- Room Exhaust

PLUMBING

- (2-4) Drinking fountains

ELECTRICAL / LIGHTING

- Wall outlets for maintenance
- Power to basketball backstops, scoreboards, divider curtain, and telescopic bleacher seats
- Lighting: per IES Lighting Handbook guidelines

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
- Local area network connectivity
- Wireless access capable for most computer communications/applications
- Control booth area at floor for games
- Video capability

ROOM TYPE:

WEIGHT ROOM

SIZE: 3000 sf

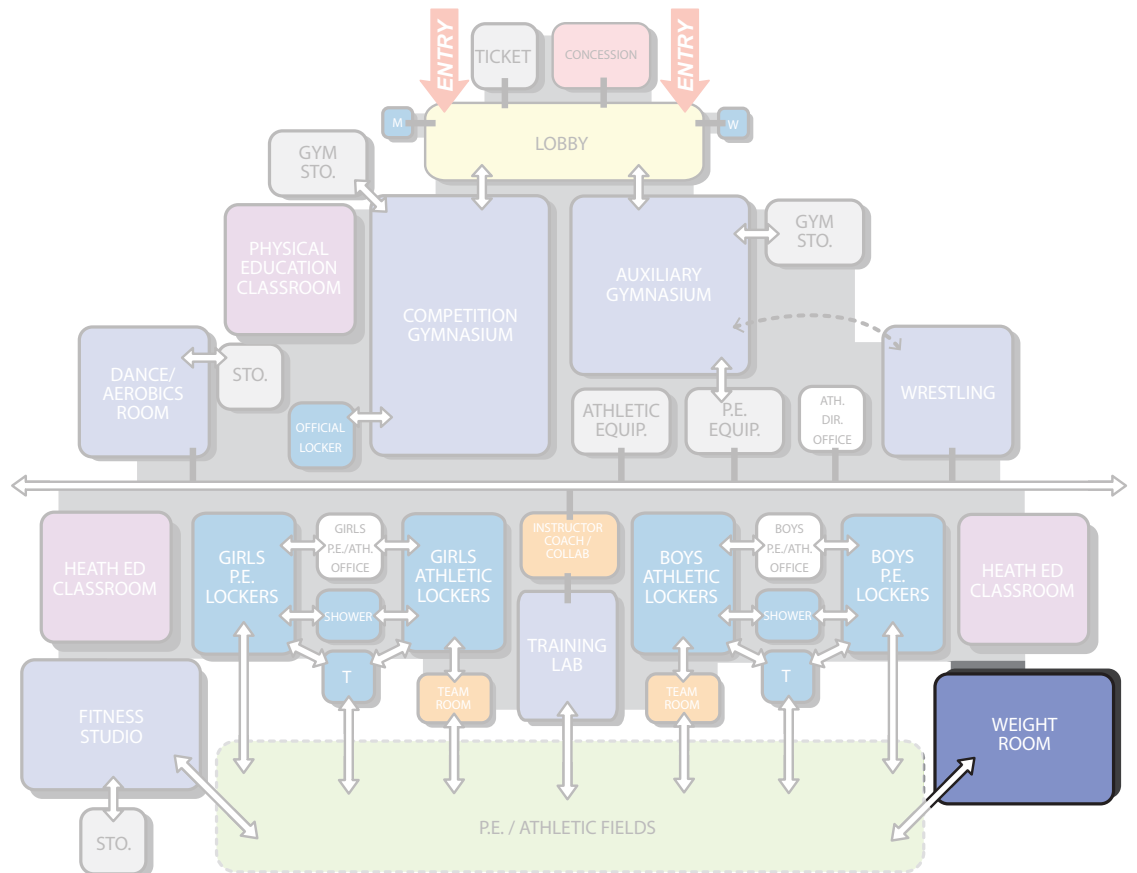
OCCUPANTS: Varies

ACTIVITIES AND USES

Weight training and conditioning utilizing a variety of free weight and exercise machine stations.

SUPPORT SPACES

- None



SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile
- Ceiling height: 10'-0" min.
- Wall material: painted concrete block
- Aesthetic: school colors, logos, graphics
- One mirror wall
- 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. 50 STC rating between weight room and adjacent occupied instructional space

DOORS / WINDOWS

- Door with view panel
- Roll-up / overhead door access to exterior workout area
- Energy efficient windows with blinds
- Skylights acceptable
- Large windows to exterior - natural light preferable

FURNITURE / EQUIPMENT/ MILLWORK

- (8) 8' x 10' self-contained workout stations with floor system pad
- (8) Dumbbell stations
- Leg press / calf machine
- Roman chair
- Jump rope area
- Abdominal mat
- Recumbent bikes
- TV monitor display w/ wall-mount bracket
- Table with 2 chairs
- Shelving on wall for storing weight belts, gloves, knee wraps, etc.
- (1) 4' x 12' markerboard or marker wall
- (1) 4' x 8' tackboard
- 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
- Room exhaust

PLUMBING

- (2) Drinking fountains

ELECTRICAL / LIGHTING

- Outlets for general room use
- Clean, segregated power distribution with surge suppression
- Additional outlets for machines as needed
- Lighting: per IES Lighting Handbook guidelines

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
- Local area network connectivity for instructor workstation and student workstations
- Wireless access capable for most computer communications/applications
- Sound system with receiver / CD player and speakers at ceiling

ROOM TYPE:

DANCE / AEROBICS ROOM

SIZE: 2000 sf

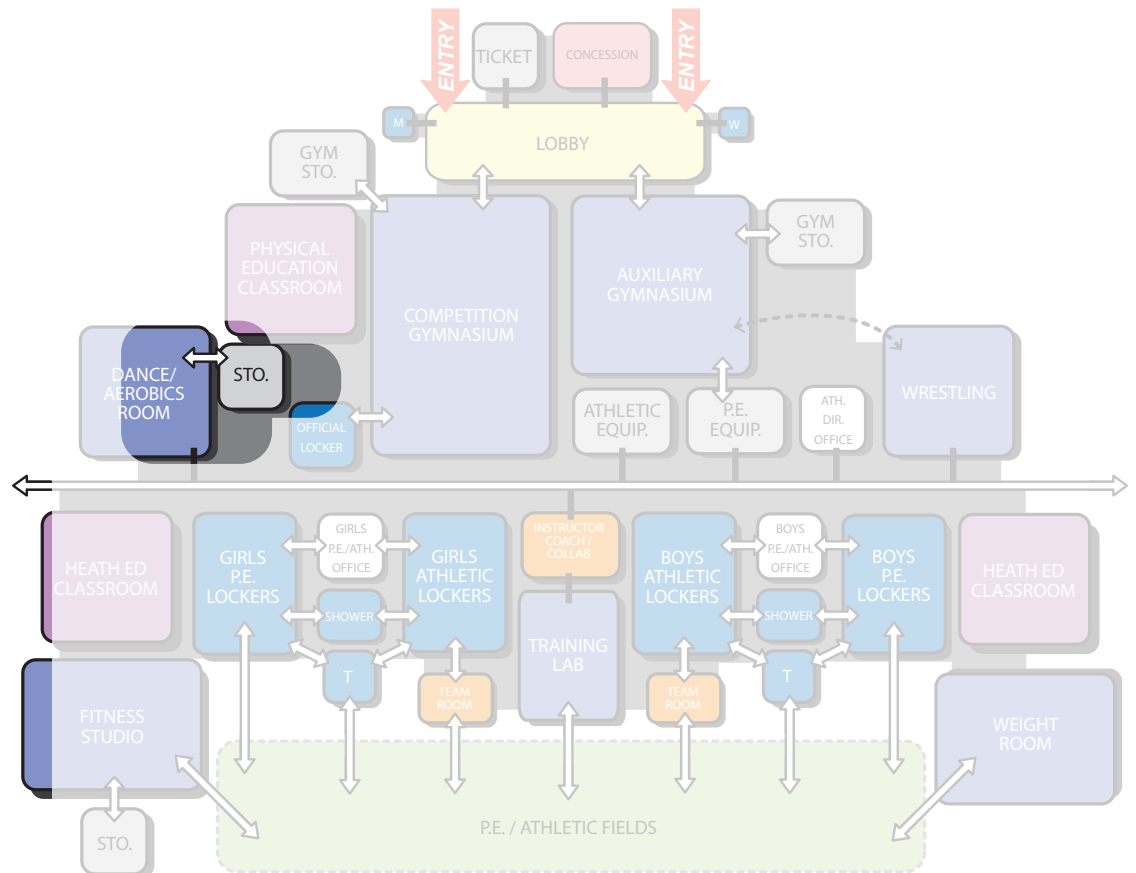
OCCUPANTS: Varies

ACTIVITIES AND USES

The Dance / Aerobics Room is a physical education studio dedicated to a wide range of dance and aerobic type suited for individual, small, and large group instruction.

SUPPORT SPACES

- Storage: 100 sf



SPECIAL CONSIDERATIONS

- Ceiling material: painted exposed structure or acoustic ceiling tile
- Ceiling height: 14'-0" min.
- Wall material: painted gypsum board
- Wall padding
- Floor material: Maple wood dance flooring
- 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 dance room and adjacent occupied instructional space

DOORS / WINDOWS

- Door with view panel
- Energy efficient windows with blinds
- Skylights acceptable
- Large windows to exterior - natural light preferable

FURNITURE / EQUIPMENT/ MILLWORK

- Adjustable ballet barres with mirrors on one wall
- (1) 50" TV monitor display
- (1) 4' x 12' markerboard or marker wall
- (1) 4' x 8' tackboard
- 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
- Room exhaust

PLUMBING

- (1) Drinking fountain

ELECTRICAL / LIGHTING

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

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 for instructor workstation and student workstations
- Wireless access capable for most computer communications/applications
- Sound system with receiver / CD player and speakers at ceiling

ROOM TYPE:

WRESTLING ROOM

SIZE: 3600 sf

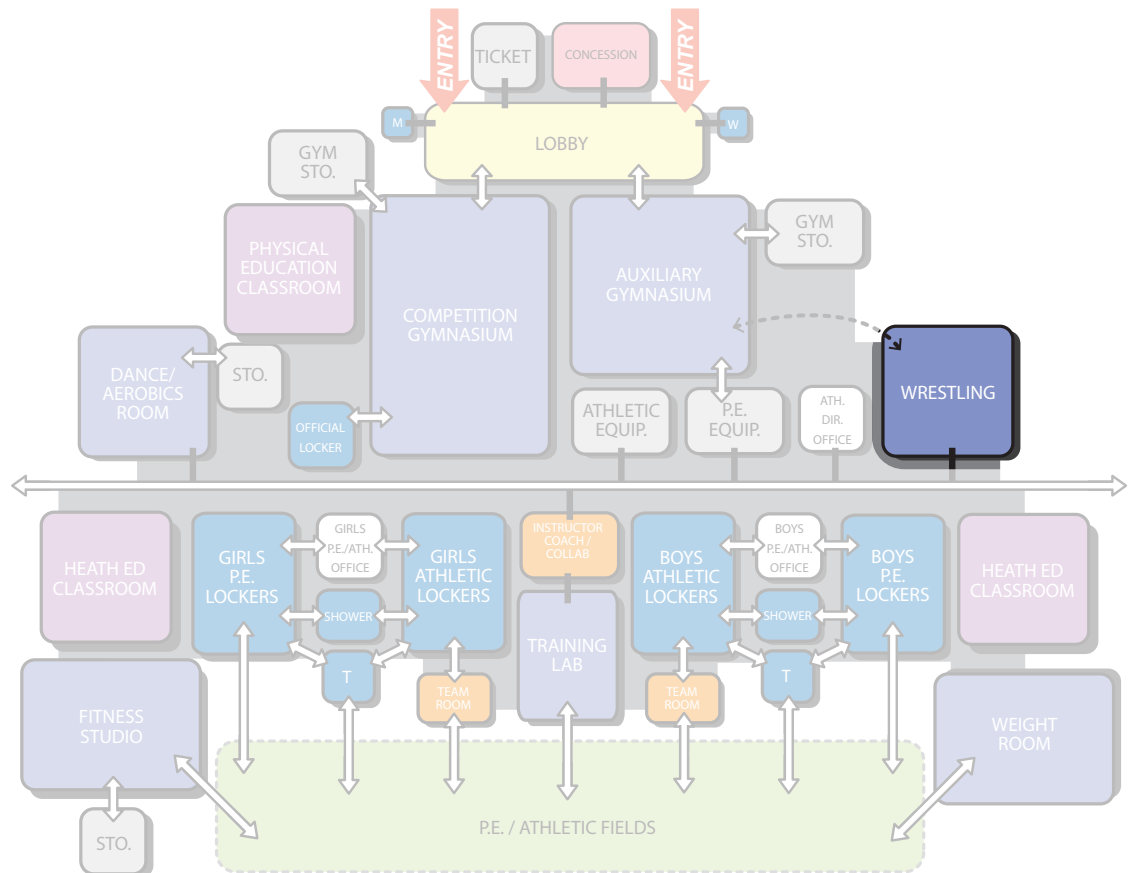
OCCUPANTS: Varies

ACTIVITIES AND USES

Wrestling practice

SUPPORT SPACES

- None



SPECIAL CONSIDERATIONS

- Ceiling material: painted exposed structure or acoustic ceiling tile
- Ceiling height: 10'-0" min.
- Wall material: painted gypsum board
- Wall padding
- Floor material: Maple wood dance flooring
- 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 wrestling room and adjacent occupied instructional space
- Aesthetic: school colors, logos, graphics

DOORS / WINDOWS

- Door with view panel
- Energy efficient windows with blinds
- Skylights acceptable
- Large windows to exterior - natural light preferable

FURNITURE / EQUIPMENT/ MILLWORK

- (1) 40' x 40' wrestling mat (1) additional stored in auxiliary gymnasium
- (1) 50" TV monitor display
- (1) 4' x 12' markerboard or marker wall
- (1) 4' x 8' tackboard
- 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
- Room exhaust

PLUMBING

- (1) Drinking fountain

ELECTRICAL / LIGHTING

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

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 for instructor workstation and student workstations
- Wireless access capable for most computer communications/applications
- Sound system with receiver / CD player and speakers at ceiling

ROOM TYPE:
FITNESS STUDIO

SIZE: 3000 sf

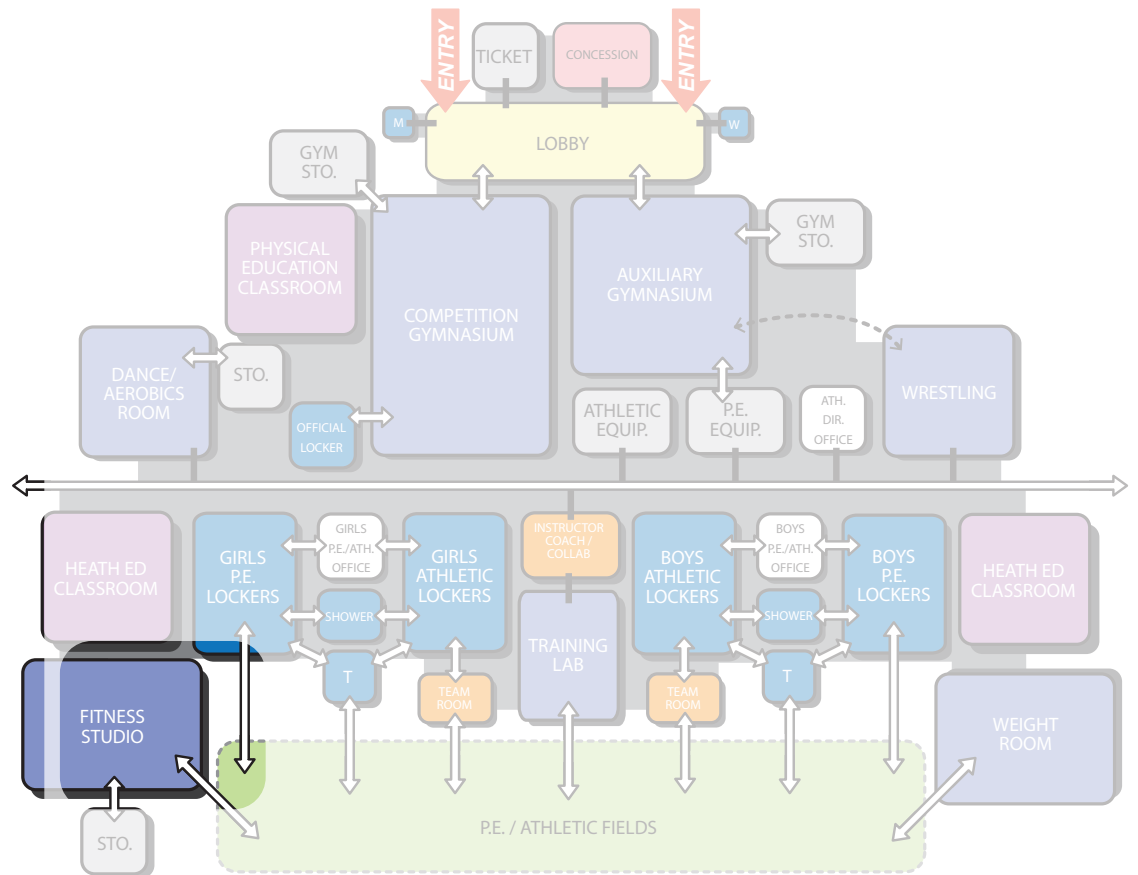
OCCUPANTS: Varies

ACTIVITIES AND USES

The Fitness Studio is provided for addition fitness instruction and practice space for individual, small, and large group activities.

SUPPORT SPACES

- Storage: 100 sf



SPECIAL CONSIDERATIONS

- Ceiling material: painted exposed structure or acoustic ceiling tile
- Ceiling height: 10-0" min.
- Wall material: painted gypsum board
- Wall padding
- One mirrored wall
- Floor material: Maple wood dance flooring
- 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 fitness studio and adjacent instructional space
- Aesthetic: school colors, logos, graphics

DOORS / WINDOWS

- Door with view panel
- Energy efficient windows with blinds
- Skylights acceptable
- Large windows to exterior - natural light preferable

FURNITURE / EQUIPMENT/ MILLWORK

- (1) 50" TV monitor display
- (1) 4' x 12' markerboard or marker wall
- (1) 4' x 8' tackboard
- 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
- Room exhaust

PLUMBING

- (1) Drinking fountain

ELECTRICAL / LIGHTING

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

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
- Local area network connectivity for instructor workstation and student workstations
- Wireless access capable for most computer communications/applications
- Sound system with receiver / CD player and speakers at ceiling

ROOM TYPE:

PE CLASSROOM

SIZE: 960 sf

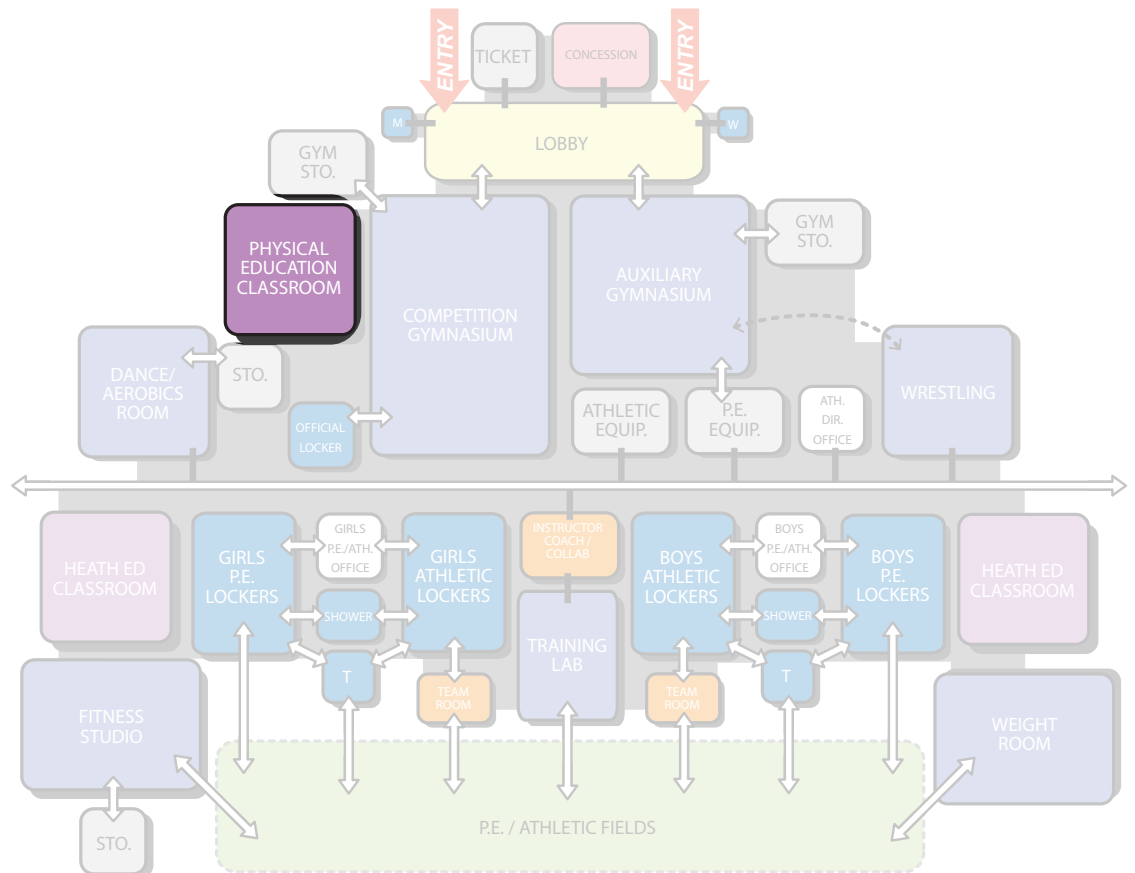
OCCUPANTS: Varies

ACTIVITIES AND USES

PE/Health instruction, lecture/discussion.

SUPPORT SPACES

- None



SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile or painted exposed structure
- Ceiling height: 10'-0" min.
- Wall material: painted gypsum board (mirrors one wall)
- Floor material: rubber sports flooring
- 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
- Acoustical metal deck in exposed structure areas
- Min. 50 STC between weight rooms and adjacent occupied instructional space
- School colors/logos/graphics

DOORS / WINDOWS

- Natural light desirable
- Skylights acceptable
- Large roll-up door to the exterior
- Window coverings as required to control glare and to darken space
- Ability to lock down door

FURNITURE / EQUIPMENT/ MILLWORK

- (1) 80" TV monitor display at front of room
- (4) 32" TV monitor displays spaced around the room
- TV monitor wall-mount brackets
- Sound system
- Scales
- Clock
- (2) 4'-8' marker board each side of TV monitor display or marker wall

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
- Ceiling fans
- Room exhaust

PLUMBING

- Drinking fountain

ELECTRICAL / LIGHTING

- Duplex wall outlet for maintenance and wall outlets at all TV monitor display locations
- Lighting: per IES Lighting Handbook guidelines

TECHNOLOGY

- Telephone/intercom handset, VoIP
- Intercom speaker
- Hardwired outlet to receive transmission from on-campus distribution system at TV monitor display and three additional hardwired drops for Apple TV and Mac Mini
- Wireless access capable for most computer communications/applications
- Apple TV available for various network devices to connect to TV monitor display via iPad, Mac and Windows mirroring

ROOM TYPE:
TRAINING ROOM

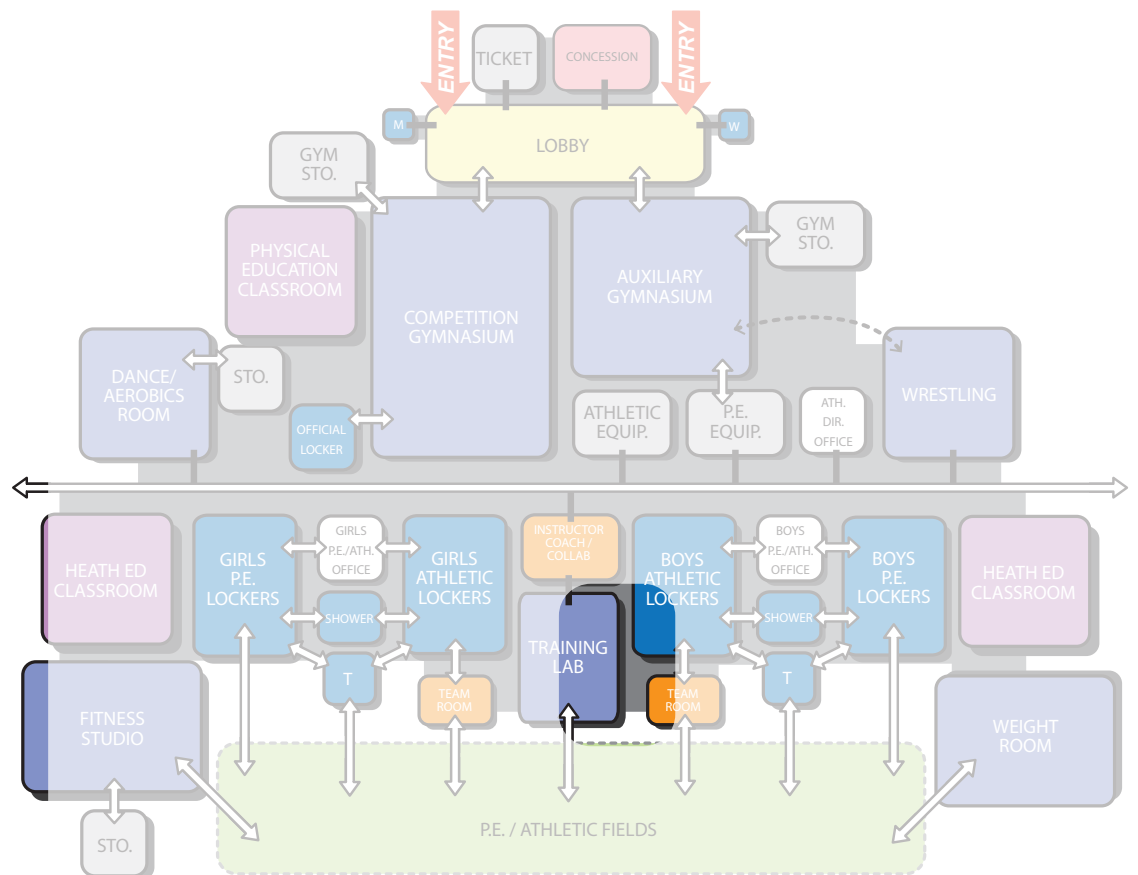
SIZE: 400 sf
OCCUPANTS: Varies

ACTIVITIES AND USES

A variety of physical education and athletic related activities including sports injury prevention, treatment, and rehabilitation.

SUPPORT SPACES

- None



SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile
- Ceiling height: 9'-0" min.
- Wall material: painted gypsum board
- Flooring: 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 training room and adjacent instructional space
- Aesthetic: school colors, logos, graphics

DOORS / WINDOWS

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

FURNITURE / EQUIPMENT/ MILLWORK

- (2) Taping tables
- (1) Treadmill
- (2) Stationary bikes
- (1) Microwave oven
- (1) Refrigerator
- (1) Ice machine
- Base cabinets with counter sink, and wall uppers
- Tall storage cabinets (with locks)
- (1) 50" TV monitor display
- (1) 4' x 12' markerboard or marker wall
- (1) 4' x 8' tackboard
- 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
- Dryer exhaust

PLUMBING

- (1) Drinking fountain
- Water connection for refrigerator and ice machine
- Water spigot at a floor sink for filling water containers

ELECTRICAL / LIGHTING

- Outlets for general room use
- Clean, segregated power distribution with surge suppression
- Additional outlets as required for exercise equipment
- Lighting: per IES Lighting Handbook guidelines

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 for instructor workstation and student workstations
- Wireless access capable for most computer communications/applications
- Sound system with receiver / CD player and speakers at ceiling

ROOM TYPE:
LOCKER ROOMS

SIZE: Varies

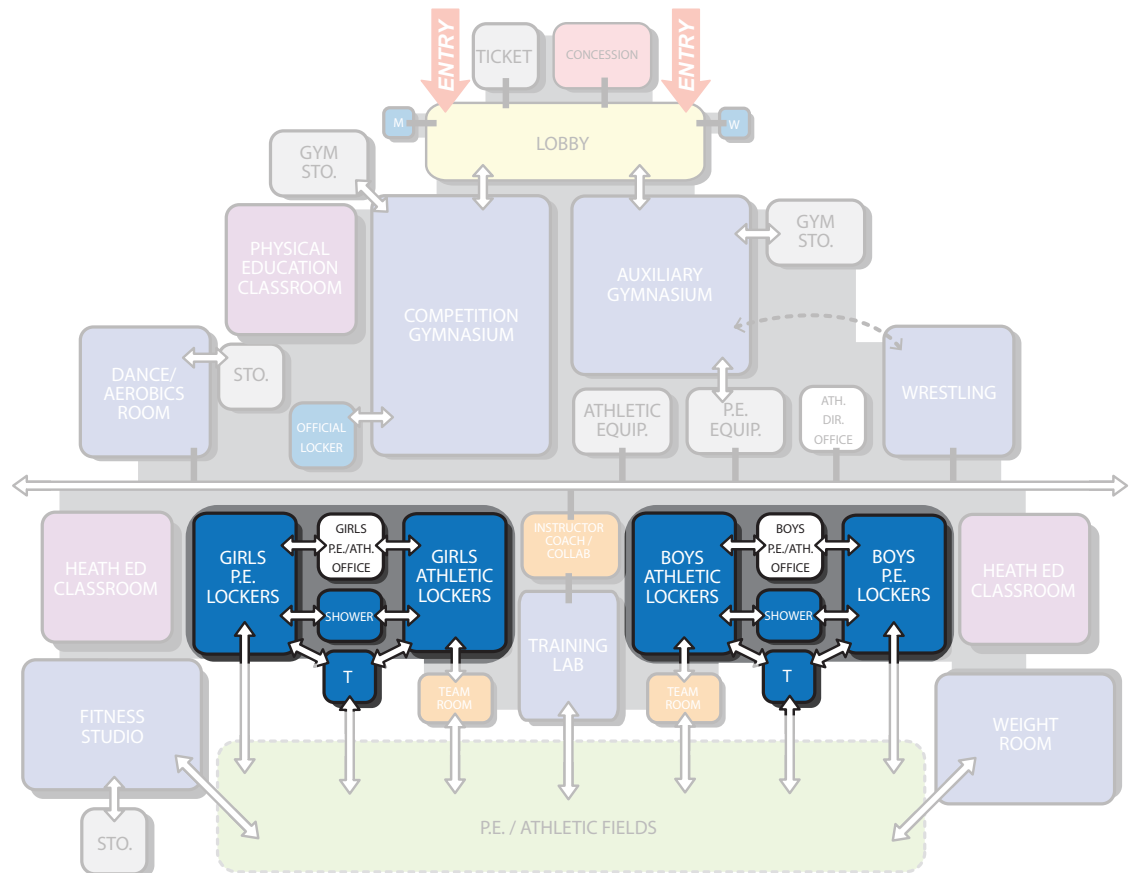
OCCUPANTS: Varies

ACTIVITIES AND USES

The Locker Rooms provide storage of street and physical education clothing / athletic clothing, changing, team meetings, showering, drying, and toilet functions for all student physical education activities as well as sports competition teams.

SUPPORT SPACES

- Athletic locker room - boys/girls: 1000 sf each
- P.E. locker room - boys/girls: 2000 sf each
- Toilet / shower - boys/girls: 300 each
- Team rooms - boys/girls: 600 sf each
- Athletic/PE office - men/women: 500 sf each
- Instructor/coach collaboration - lounge: 250 sf
- Official's locker room: 175 sf



SPECIAL CONSIDERATIONS

- Ceiling material: painted exposed structure in locker area
- Ceiling material: cement plaster in shower / drying areas
- Ceiling height: 10'-0" min.
- Wall material: painted concrete block in locker area
- Wall material: ceramic tile in shower, drying, and toilet areas
- Floor material: sealed concrete in locker area
- Floor material: porcelain tile in shower / drying, and toilet areas
- Athletic and physical education lockers to be in one locker room for flexibility
- Aesthetic consideration: school colors, logos, and graphics
- Acoustical metal deck in exposed structure areas
- 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 locker rooms and adjacent instructional spaces

DOORS / WINDOWS

- Skylights acceptable
- Maximize visibility from offices with windows

FURNITURE / EQUIPMENT/ MILLWORK

- Shared instructor / coach work / planning stations with chairs and file cabinets at the instructor's / coach's office(s)
- Physical education box and street clothes lockers
- Athletic lockers
- Concrete locker room benches
- (1) 5-Head column shower in men's
- (2) individual / accessible shower per men's and women's locker areas
- (1) 5-head column shower with divider curtains in women's
- (2) individual / accessible showers per each instructor's / coach's shower / toilet area
- Storage cabinets (with locks)
- Markerboard: (1) 4' x 12' or marker wall
- Tackboard: (1) 4' x 8'
- 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
- Room exhaust

PLUMBING

- Individual and column showers, toilets and sinks, drinking fountains
- Floor drains in locker rooms, showers, drying and toilet areas
- Master shower control located in office

ELECTRICAL / LIGHTING

- Outlets for general room and workstation use
- Clean, segregated power distribution with surge suppression
- Hand / hair dryers
- Lighting: per IES Lighting Handbook guidelines

TECHNOLOGY

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

ROOM TYPE:

LOBBY / DISPLAY

SIZE: 1200 sf

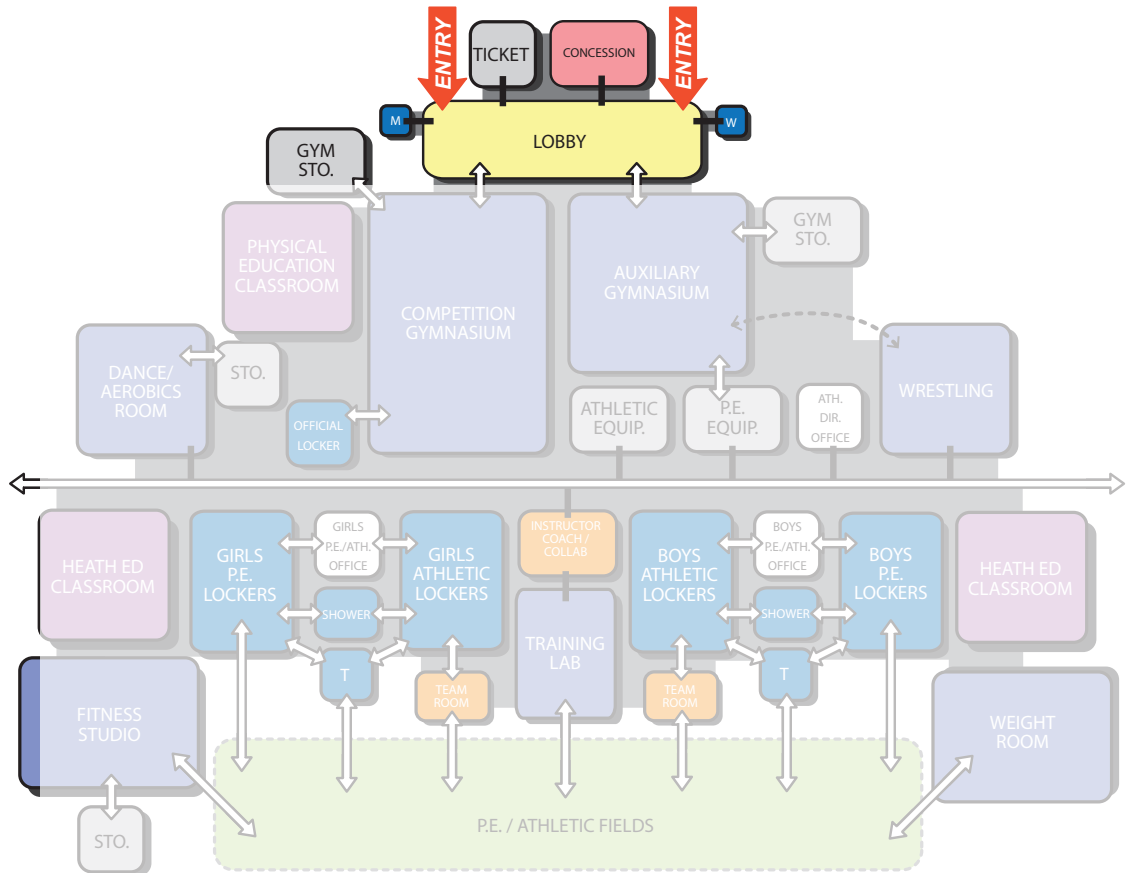
OCCUPANTS: Varies

ACTIVITIES AND USES

The Lobby serves as both a post and pre-function gathering space supporting athletic and school activities as well as a point of entry to the athletic heart of the campus displaying trophies, awards, and special recognitions awarded to students.

SUPPORT SPACES

- Ticketing: 80 sf
- Public restrooms: 600 sf
- Concessions: 180 sf



SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling panel or exposed structure
- Ceiling height: 10'-0" min.
- Wall material: painted gypsum board
- Floor material: vinyl composite tile
- Aesthetic consideration: inviting to the public / student friendly, school colors, logos, and graphics
- 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 lobby and adjacent occupied spaces

DOORS / WINDOWS

- Energy efficient windows with blinds
- Skylights acceptable
- Large windows to exterior - natural light desirable
- Glass in doors to gymnasium

FURNITURE / EQUIPMENT/ MILLWORK

- Lockable glass display cases for displaying student work, awards, and trophies
- 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

- (2) Drinking fountains

ELECTRICAL / LIGHTING

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

TECHNOLOGY

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

ROOM TYPE:

ATHLETIC DIRECTOR'S OFFICE

SIZE: 150 sf

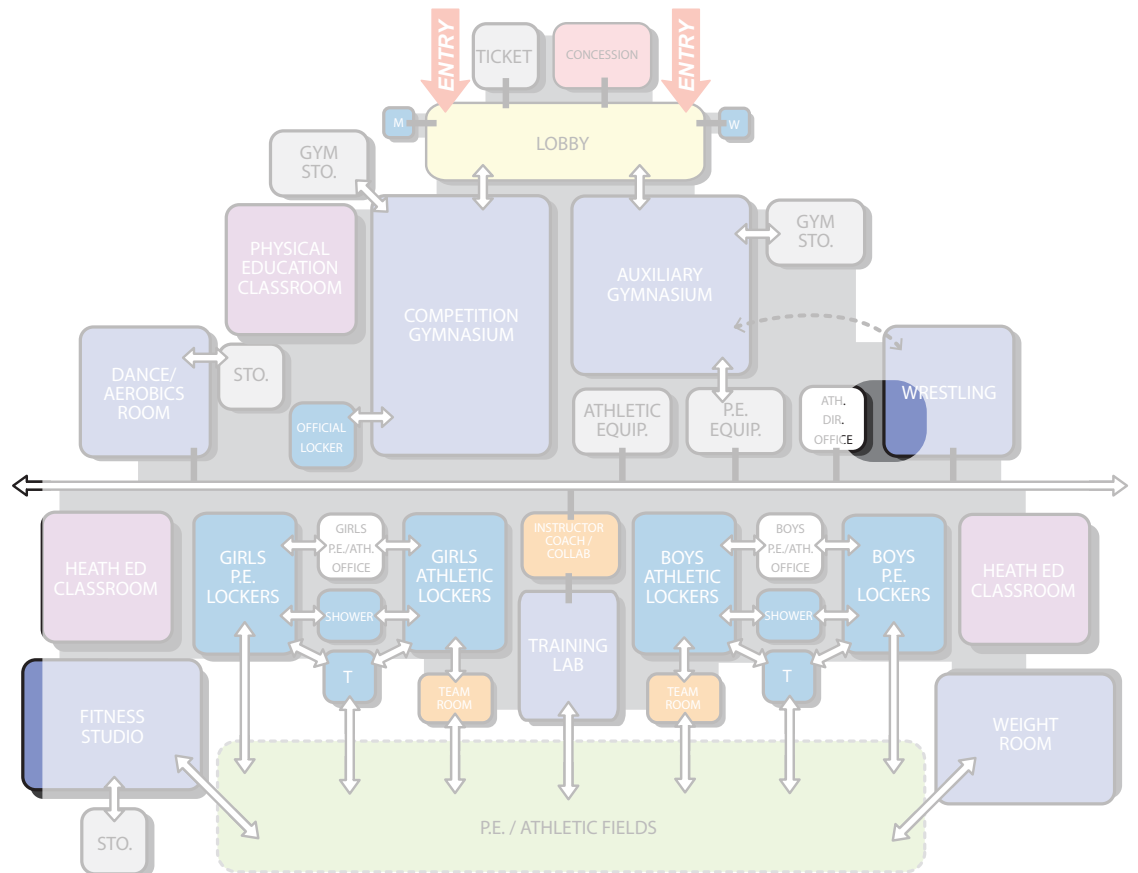
OCCUPANTS: 1 primary, 2-4 visitors

ACTIVITIES AND USES

Office space to prepare materials and conduct administrative activities to include individual and small group informal and formal conferences and consultations with colleagues, staff, students and community members. Activities may also include confidential discussions between parents, students, and athletic / academic officials.

SUPPORT SPACES

- None



SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile
- Ceiling height: 9'-0" min.
- Wall material: painted gypsum board
- 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. 40 STC rating between office and adjacent occupied spaces

DOORS / WINDOWS

- Door with view panel
- Energy efficient windows with blinds - natural light desirable
- Skylights acceptable

FURNITURE / EQUIPMENT/ MILLWORK

- (1) Administrative office desk and chair
- (1) Computer workstation
- Storage cabinets i.e. credenza and 4-drawer file (with locks)
- TV monitor display w/ wall-mount bracket
- Markerboard: (1) 4' x 8' 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

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

TECHNOLOGY

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

ROOM TYPE:

OUTDOOR FIELDS

SIZE: VARIES

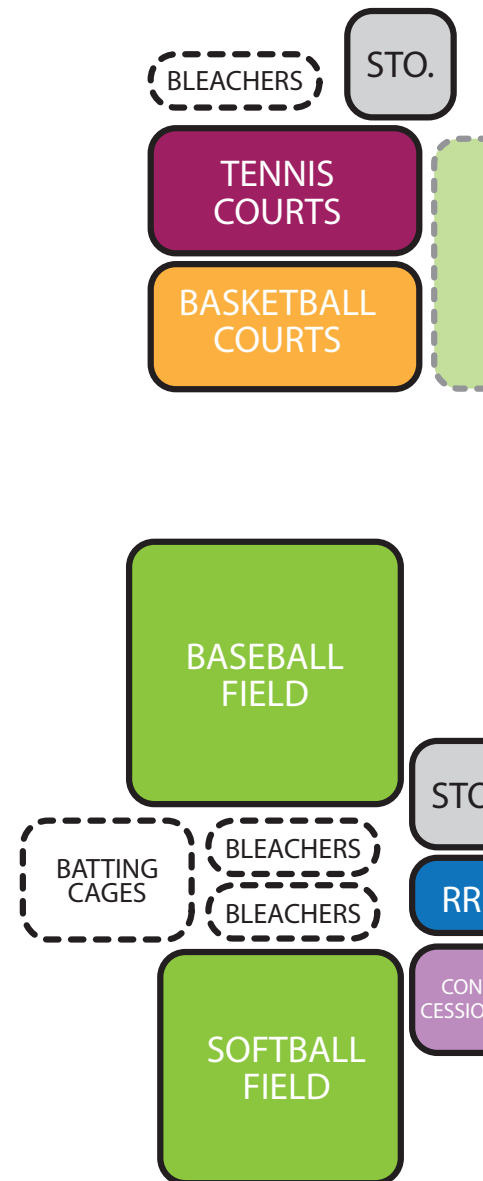
OCCUPANTS: VARIES

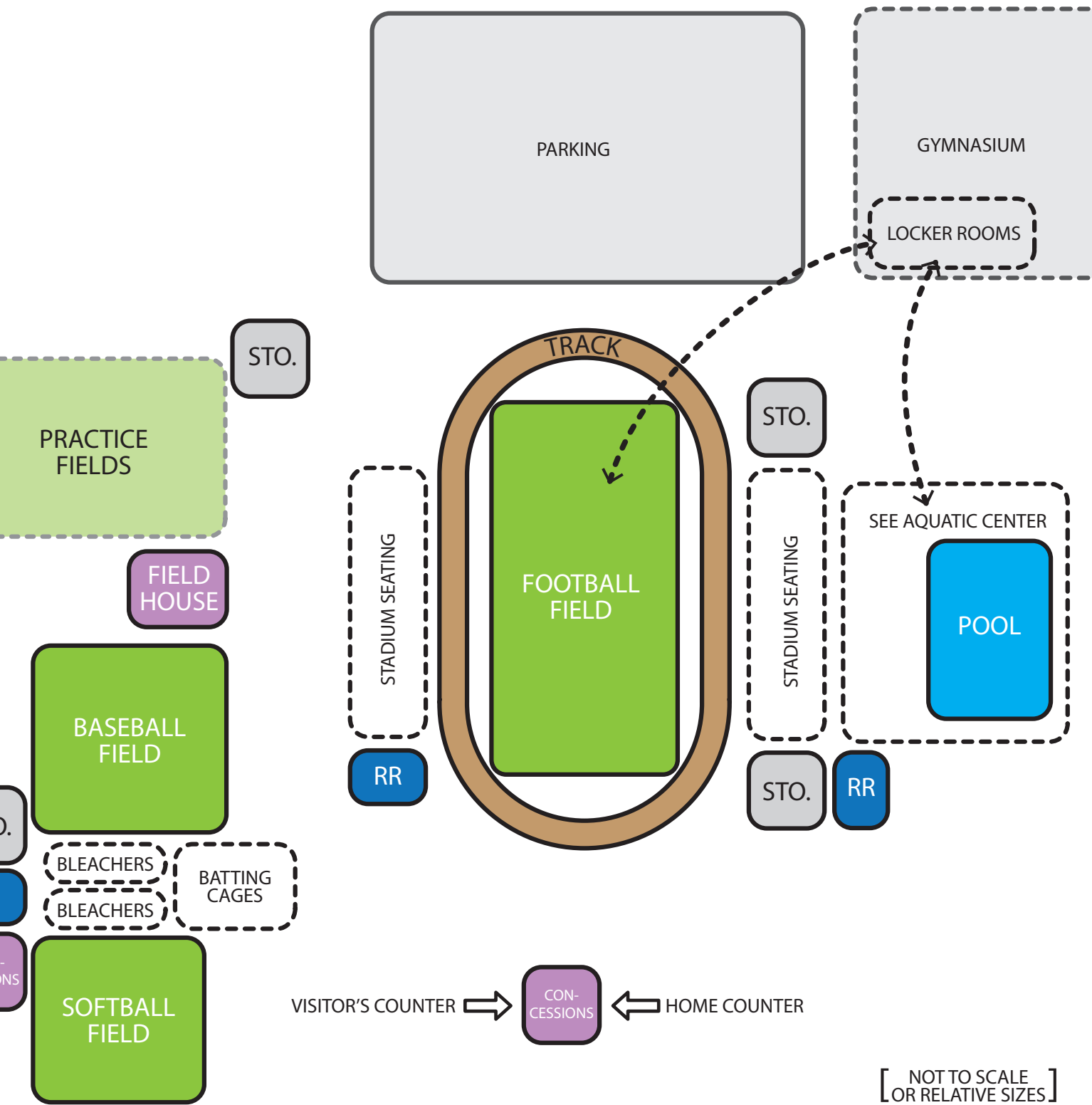
ACTIVITIES AND USES

Athletic & Physical Education activities.

SUPPORT SPACES

- Storage
- Concessions
- Field house
- Restrooms





[NOT TO SCALE
OR RELATIVE SIZES]