

TK-8 EDUCATIONAL SPECIFICATIONS

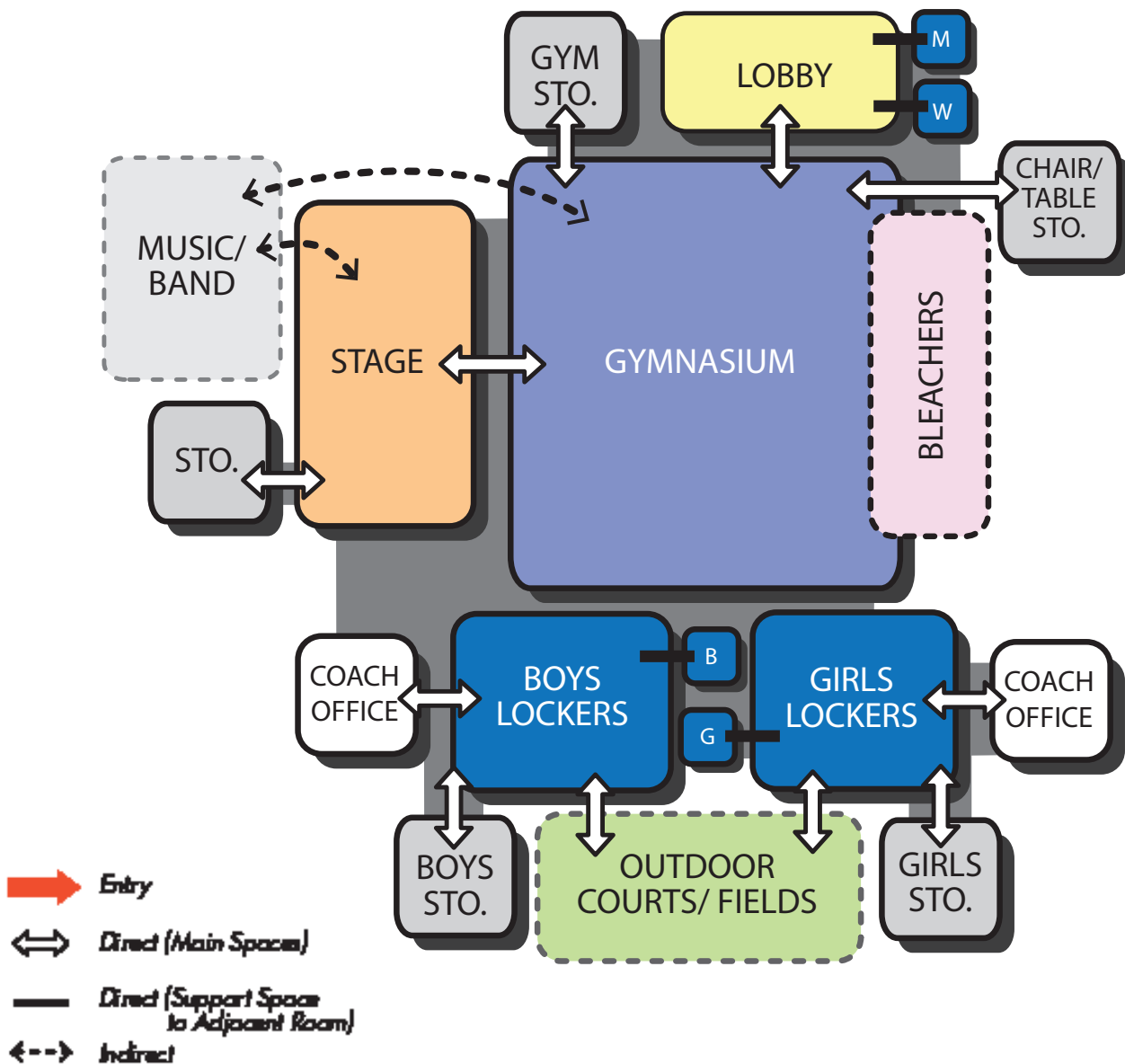
K-8 GYMNASIUM



DESCRIPTION / GOALS

- The room must be large enough to hold basketball competition games and be able to seat a minimum of 250 in roll-out bleachers.
- Because the space will be used as a competition athletic venue, it is desirable to have an entry lobby space rather than being able to walk directly into the space from the exterior as would be the case in a MP room.
- Hardcourts and fields minimum per CDE, then on case-by-case basis per campus.

ADJACENCY DIAGRAM



ROOM TYPE:

GYMNASIUM

SIZE: 8330 sf

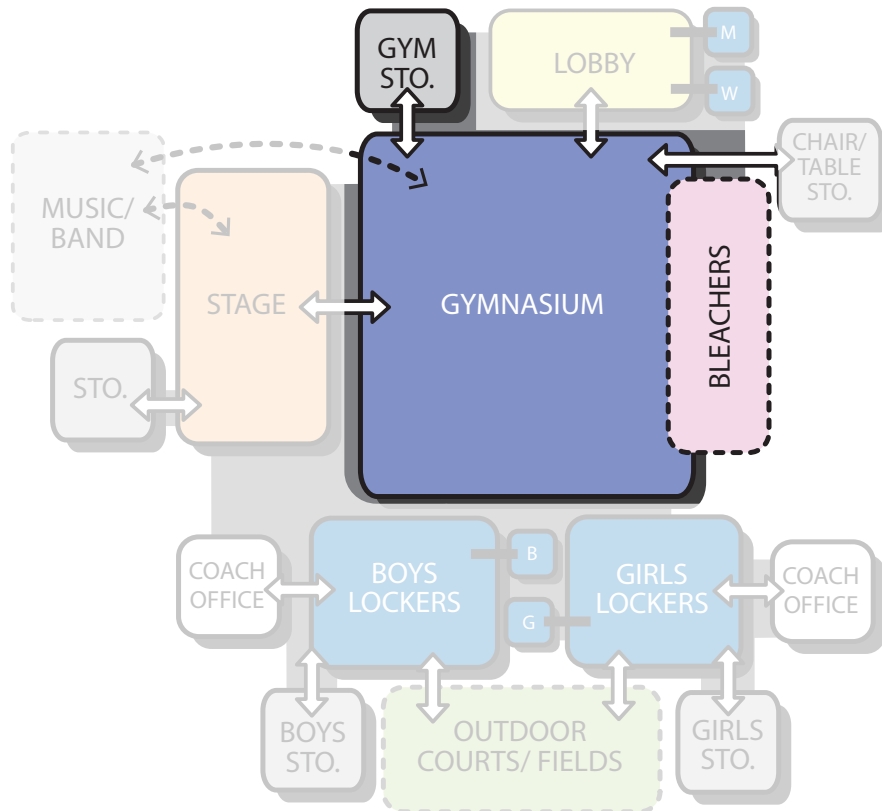
OCCUPANTS: Bleachers for 800 (verify with CDE per school)

ACTIVITIES AND USES

A variety of athletic competition, physical education, and lifetime sports activities to include basketball, volleyball, badminton, running, calisthenics and physical conditioning. A variety of school assembly functions/activities. Student gathering, large group assembly, performance (stage) activities.

SUPPORT SPACES

- Gym Storage: 300 sf
- Public Restrooms: 200 sf



SPECIAL CONSIDERATIONS

- Ceiling material: painted exposed structure (acoustic metal deck) with 25'-0" min. deck height
- Wall material: painted concrete block, painted gypsum board, acoustical wall treatment as required
- Floor material: maple gym flooring, rubber flooring system, or other sports flooring system
- Acoustical metal deck, wall treatment as required
- Min. 55 STC between gymnasium and adjacent occupied instructional space
- Canvas/mesh divider curtains for concurrent usage
- School colors/logos/graphics
- Gym storage should allow for separated, securable areas for each type of athletic sport and P.E. equipment needs.
- 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

- Diffused/non-glare natural light acceptable
- Diffused/non-glare skylights acceptable
- Keyless electronic lock access

FURNITURE / EQUIPMENT/ MILLWORK

- Telescoping bleachers with a capacity of 800 seats @ 18" seat - 24" row spacing. Fully extended bleachers to be clear of court for maximum sport event capacity. (capacity to be verified per CDE requirements)
- (2) rectangular glass backboards
- (4) cross court basketball stops
- Canvas/mesh divider curtains
- (1) scoreboard and NO shot clock
- Volleyball and badminton nets with floor sleeves
- Sound reinforcement
- 55" TV monitor display on each side of stage opening with wall-mount brackets

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of area within flexible range set by district's EMS system

PLUMBING

- Drinking fountains w/ water bottle fillers

ELECTRICAL / LIGHTING

- Wall outlets for maintenance, power to basketball backstops, scoreboards, divider curtains, and telescopic bleachers
- Glare reducing lenses
- Lighting: per IES Lighting Handbook guidelines



TECHNOLOGY

- Refer to the "District Wide Instructional Technology Plan" for school campus requirements
- Intercom speakers, call buttons, VoIP
- Intercom speakers
- Sound reinforcement system
- Hard-wired data outlet for network connectivity to accept online streaming of announcements, presentation of art, campus map and/or sustainability features
- Wireless access capable for most computer communications/applications

ROOM TYPE:

STAGE

SIZE: 1,000 sf

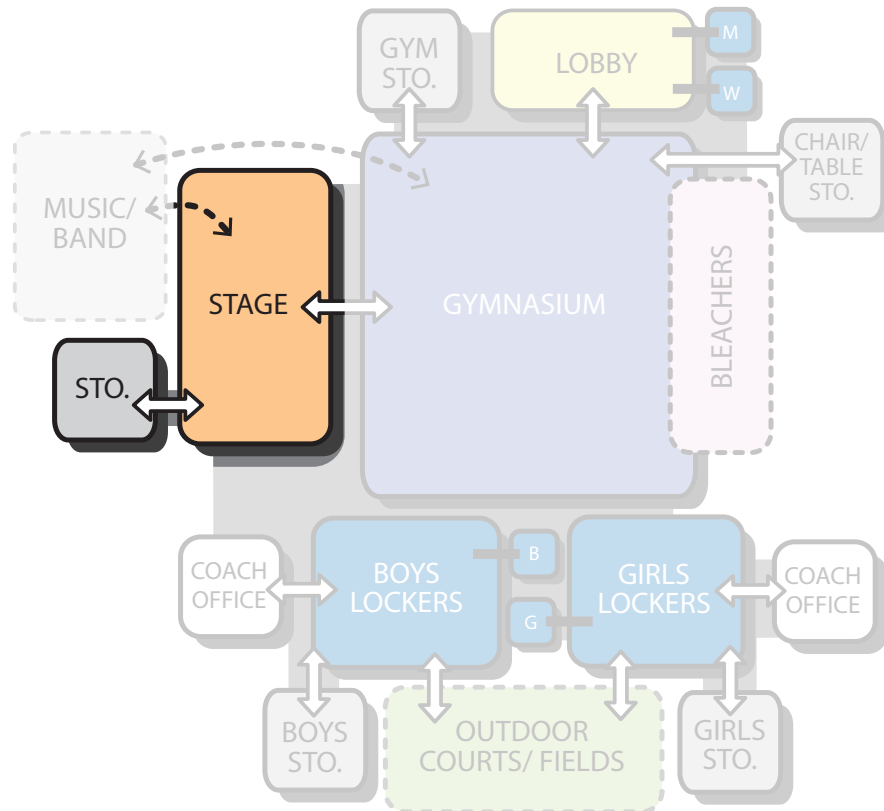
OCCUPANTS: Varies

ACTIVITIES AND USES

Proscenium type stage without fly loft (dead-hung scenery/curtains) for a variety of school lecture and performance functions to include school assembly, lecture, drama, band and orchestra concerts, choral, dance performances and video presentations. Stage and gymnasium areas to be usable simultaneously throughout the school day.

SUPPORT SPACES

- Stage Storage: 100 sf



SPECIAL CONSIDERATIONS

- Ceiling: exposed structure or painted gypsum board
- Ceiling height: as required for proscenium, valances, borders, lighting bars, and dead-hung curtains (approx. 20-22' depending on proscenium height)
- High-STC movable wall partition between stage & gym to allow for simultaneous use
- Floor material: softwood, stained opaque black or vinyl composition tile, linoleum product
- 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
- Proper accessible path of travel to and from stage

DOORS / WINDOWS

- Operable wall at stage proscenium to create another music teaching space
- Access to the exterior from stage either by 4'-0" x 7'-0" door or a roll-up door

FURNITURE / EQUIPMENT/ MILLWORK

- Portable music risers
- Motorized projection screen
- Support grid for dead-hung scenery, curtains and lighting
- Stage curtains (e.g. front curtain with valance, fire curtain, legs, borders, travelers, and cyclorama - curtain requirements and configuration to be determined)

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of stage
- Air delivery/velocity designed for low ambient noise level (max. ambient NC 20) & no curtain billowing
- Automatic smoke vents as required
- Fire alarm/suppression/venting as required - controls in the MDF

ELECTRICAL / LIGHTING

- Outlets for maintenance and general stage use
- Fluorescent working lights
- Stage lighting positions to include over-stage light bars and forestage light bar
- Stage lighting/dimmer system
- Stage sound system
- Lighting: per IES Lighting Handbook guidelines



TECHNOLOGY

- Refer to the "District Wide Instructional Technology Plan" for school campus requirements
- Sound reinforcement system with microphone receptacles at back wall, sides of proscenium, and stage front
- Hardwired data outlet for network connectivity to accept online streaming of announcements, presentation of art, campus map and/or sustainability features
- Wireless access capable for most computer communications/applications

ROOM TYPE:

GIRLS LOCKER ROOM

SIZE:

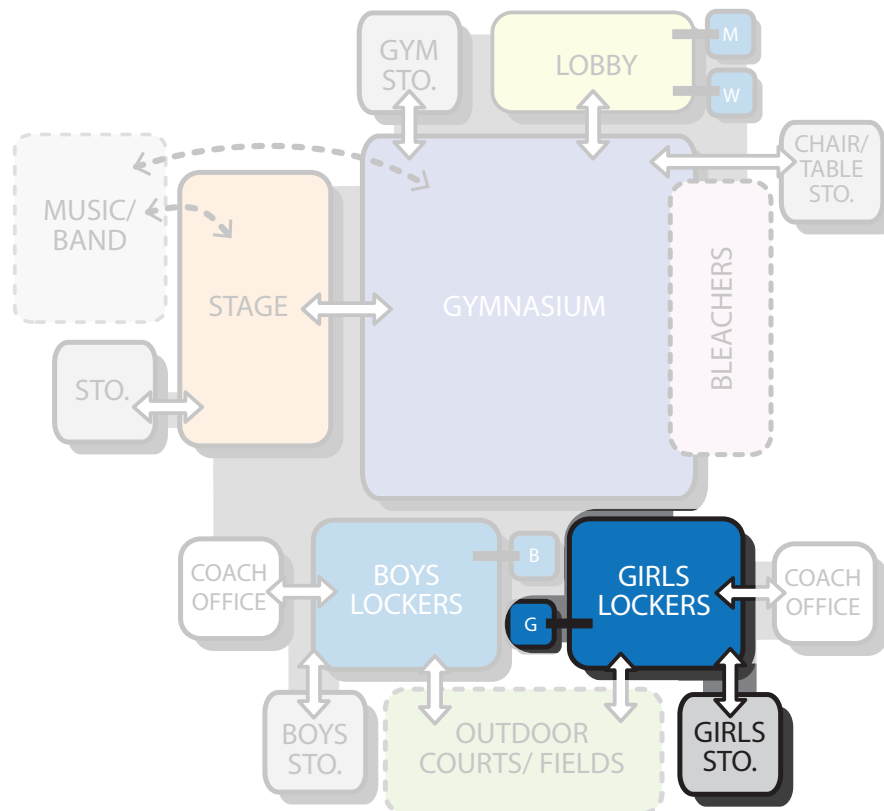
OCCUPANTS: Varies

ACTIVITIES AND USES

Locker storage of street clothing & P.E./athletic clothing, changing, team meetings, showering/drying, toilet functions.

SUPPORT SPACES

- Girl's Team Room (included in locker room)
- Girl's Restroom: 200 sf
- Girl's Storage: 100sf
- Coach's Office: 100 sf



SPECIAL CONSIDERATIONS

- Ceiling material: painted exposed structure or painted gypsum board in locker areas; 10'-0" min.
- Wall material: painted concrete block, painted gypsum board, ceramic tile in showers/drying and toilet areas
- Floor material: sealed concrete in locker areas, ceramic/porcelain tile in showers/drying and toilet areas or epoxy 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
- Acoustical metal deck in exposed structure areas
- Min. 50 STC between locker rooms and adjacent occupied instructional space

DOORS / WINDOWS

- Glazing between instructor's/coach's office and adjacent phys. ed./athletic locker area
- Skylights acceptable

FURNITURE / EQUIPMENT / MILLWORK

- Shared instructor/coach work/planning stations w/ chairs and file cabinets at the instructor's/coach's office
- P.E. and athletic lockers, configuration with (6) 12"x12"x12" PE lockers for every (1) 12"x12"x36" street locker. Verify locker count at the time of design, but roughly (60) street lockers and (192) PE lockers.
- Locker room benches



- Clothes/towel hooks
- (1) 4' x 8' marker board in athletic locker room team seating area
- Shower/changing stall partitions (framed walls acceptable)

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of area within flexible range set by district's EMS system
- Room exhaust in shower/drying, toilet, and locker room areas

ELECTRICAL / LIGHTING

- Hand/hair dryers
- Duplex elec. outlets for maintenance and portable hair dryers
- Lighting: per IES Lighting Handbook guidelines

PLUMBING

- Min. (1) Individual shower
- Toilets and sinks
- Drinking fountains
- Floor drains in locker rooms, shower/drying, and toilet areas
- Master shower control located in office

TECHNOLOGY

- Refer to the "District Wide Instructional Technology Plan" for school campus requirements
- Intercom speakers
- Wireless access capable for most computer communications/applications

ROOM TYPE:

BOYS LOCKER ROOM

SIZE: 800 sf

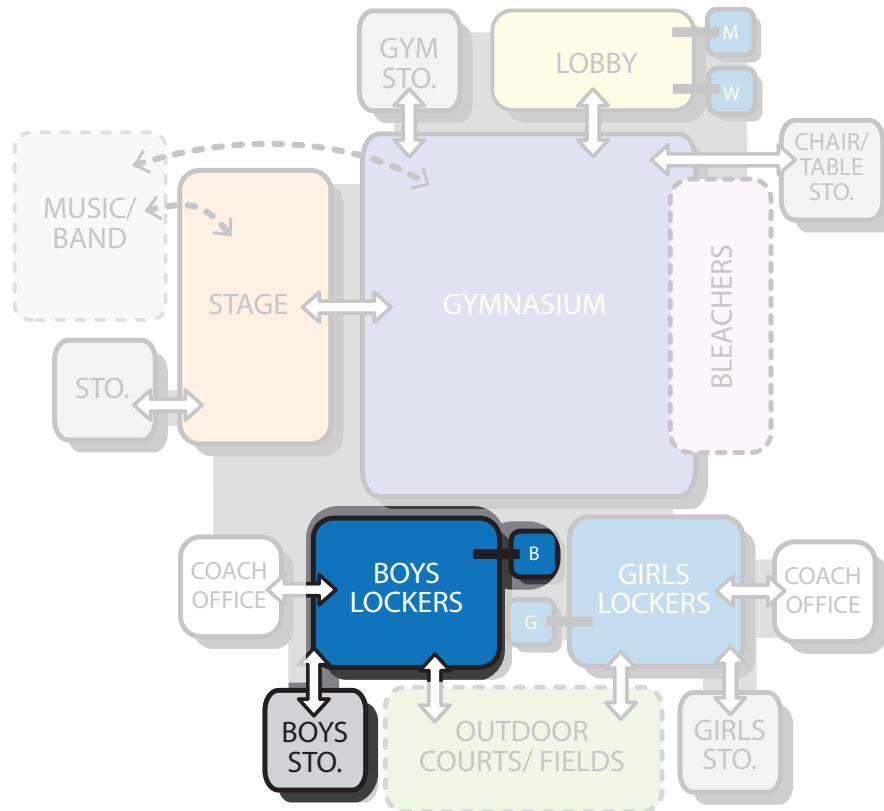
OCCUPANTS: Varies

ACTIVITIES AND USES

Locker storage of street clothing & P.E./athletic clothing, changing, team meetings, showering/drying, toilet functions.

SUPPORT SPACES

- Boys Team Room (included in locker room)
- Boys Restroom: 200 sf
- Boys Storage: 100 sf
- Coach's Office: 100 sf



BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of area within flexible range set by district's EMS system
- Room exhaust in shower/drying, toilet, and locker room areas

PLUMBING

- Min (1) Individual shower stall
- Toilets and sinks
- Drinking fountains
- Floor drains in locker rooms, shower/drying, and toilet areas
- Master shower control located in office

ELECTRICAL / LIGHTING

- Hand/hair dryers
- Duplex elec. outlets for maintenance and portable hair dryers
- Lighting: per IES Lighting Handbook guidelines

DOORS / WINDOWS

- Glazing between instructor's/coach's office and adjacent phys. ed./athletic locker area
- Skylights acceptable

FURNITURE / EQUIPMENT/ MILLWORK

- Shared instructor/coach work stations w/ chairs and file cabinets at the instructor's/coach's office
- P.E. and athletic lockers, configuration with (6) 12"x12"x12" lockers for every (1) 12"x12"x36" street locker. Verify locker count at the time of design, but roughly (60) street lockers and (192) PE lockers.
- Locker room benches
- Clothes/towel hooks
- (1) 4' x 8' marker board in athletic locker room team seating area
- Shower/changing stall partitions (framed walls acceptable)

SPECIAL CONSIDERATIONS

- Ceiling material: painted exposed structure or gypsum board in locker areas; 10'-0" AFF min.
- Wall material: painted concrete block, painted gypsum board, ceramic tile in showers/drying and toilet areas
- Floor material: sealed concrete in locker areas, ceramic/porcelain tile in showers/drying and toilet areas or epoxy 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
- Acoustical metal deck in exposed structure areas
- Min. 50 STC between locker rooms and adjacent occupied instructional space

TECHNOLOGY

- Refer to the "District Wide Instructional Technology Plan" for school campus requirements
- Intercom speakers
- Wireless access capable for most computer communications/applications

ROOM TYPE:

COACH OFFICE

SIZE: 100

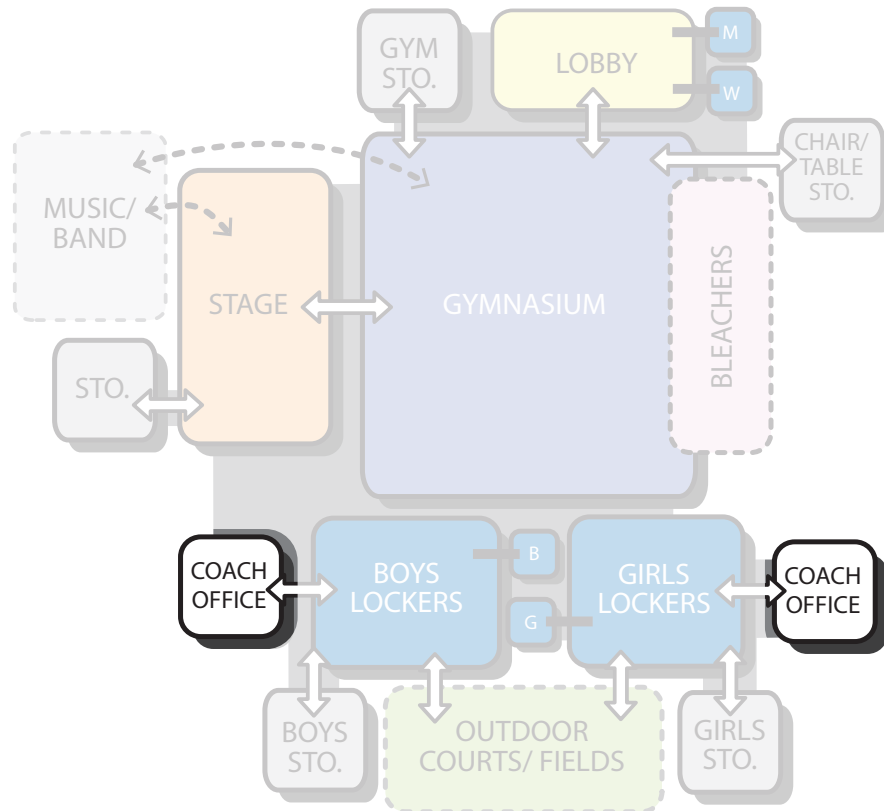
OCCUPANTS: 1 primary occupant

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.

SUPPORT SPACES

- Toilet/Shower: 80 sf



BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of area within flexible range set by district's EMS system

ELECTRICAL / LIGHTING

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

TECHNOLOGY

- Refer to the "District Wide Instructional Technology Plan" for school campus requirements
- Telephone/intercom handset, VoIP
- Wireless access capable for most computer communications/applications
- Hard-wired data outlet for network connectivity at the computer workstation
- Access to file server, printer and scanner

DOORS / WINDOWS

- Natural light desirable
- Window coverings as required to control glare and privacy
- Ability to lock down door
- Keyless electronic lock access

FURNITURE / EQUIPMENT/ MILLWORK

- (1) staff workstation and storage cabinets

SPECIAL CONSIDERATIONS

- 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
- Ceiling material: acoustic ceiling tile; 9'-0" AFF min.
- Floor material: vinyl composition tile or carpet tile

Updated 6/1/2024

Spatial Program - High School 9-12

Space/Functional Area	No. of Spaces	Net S.F.	Total Net S.F.	No. of T.S.	No. of Students	Capacity	Notes
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ADMINISTRATION

Reception / Welcome Center	1	200	200				
Student Reception/Waiting	1	200	200				Separate Entry from Public Reception
Attendance Office	2	80	160				Can be included with Open Office
Admin/Open Office	2	100	200				
Principal Office	1	225	225				
Principal's Secretary	1	100	100				Can be located in the Open Office
Assistant Principal Office/Dean Office	2	150	300				
Office	4	120	480				Registrar, Security, Cashier, Data Processor
Staff Workroom/Communications Center	1	400	400				Includes Mail and Copy
Staff Wellness/Break Room	1	500	500				
Storage/Vault/Files	1	200	200				
Large Conference Room	1	300	300			18 people	
Small Conference Room	1	200	200				
Public Restrooms	2	70	140				
Staff Restrooms	2	70	140				
Administration SubTotal			3,745	0		0	

HEALTH AND WELLNESS

Counselor Office	6	150	900				
Counselor Waiting	1	100	100				
Reception/Secretary	1	120	120				
Office (Registrar, Psych, Social Worker, Unassig)	4	120	480				Psychologist, Conflict Management
Records Storage	1	120	120				
Group Discussion Room/Large Conference	1	200	200			10-12 People	
Conference Room - Small	1	100	100			4-6 People	
Career Center	1	1,200	1,200				Includes area for a class group
Wellness	1	600	600				Includes area for a class group
Health Office / Waiting	1	100	100				
Nurse Office	1	120	120				
Exam Room	1	100	100			2 Movable Cots	
Restroom	1	70	70				
Medicine Dispensing Room	1	100	100				
Storage	1	60	60				
Health & Wellness SubTotal			4,370	1		0	

MEDIA CENTER / STUDENT UNION

Learning Commons	1	150	150				Information resources entry
Help Desk / Genius Bar	0	200	0				
Laptop Bar/Charging Stations	1	300	300				
Technology Lab	1	1,200	1,200	1	29	29	Computer Stations / Lab
Stacks	1	1,000	1,000				Based on 10,000 Volumes
Open Study	1	1,400	1,400				Includes area for a class group
Office	1	100	100				
Large Group Study	1	200	200				
Small Group Study	2	100	200				
Storage	1	200	200				
Textbook Storage/Dispersement	1	900	900				This will depend on # of Textbooks
Student Store	1	200	200				
Storage	1	100	100				
Student Government	1	300	300	1	20		
Café	1	200	200				
MDF Room	1	500	500				
Tech Office	1	100	100				
Storage	1	100	100				
Student Union SubTotal			7,150	2		29	

Spatial Program - High School 9-12

Space/Functional Area	No. of Spaces	Net S.F.	Total Net S.F.	No. of T.S.	No. of Students	Capacity	Notes
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ACADEMY/LEARNING COMMUNITY

Commons / Living Room	6	2,000	12,000				One per learning community
Learning Studio / Classroom	40	960	38,400	40	29	1,160	
Teacher Collaboration/Lounge	5	400	2,000				
Staff Toilets	5	70	350				
Small Group	5	200	1,000				BreakOut Space
Project Lab	0	4,000	0				"the WOW space" -Maker Space
Outdoor Learning Connections							landscapes
Academy/Learning Community SubTotal			53,750	40		1,160	

SPECIAL EDUCATION

Learning Center/Classroom	4	960	3,840	4	8	32	Number of classrooms can vary: Special Day Class (SDC), Resource Program Specialist (RSP), Independent Learning Study (ILS)
Restroom	2	70	140				
Occupational Therapy (OT)	1	100	100				Space within the Motor Room
Motor/Sensory/Adaptive P.E.	1	960	960				Space needed at sites where autism exists.
Kitchen	1	120	120				
Laundry	1	80	80				
Toilet/Changing Room	1	200	200				
Administration Suite							
Teacher Office	1	100	100				
Teacher Office/Testing	1	100	100				Shared with office or small group
Psychologist	1	100	100				
Speech Therapy	1	100	100				
Work Room	1	180	180				
Conference Room/Small Group	1	150	150				
Outdoor Play Area	1	0	0				Exterior Space
Special Education SubTotal			6,170	4		32	

SCIENCE

Earth Science	1	1,200	1,200	1	29	29	
Biology	4	1,800	7,200	4	29	116	
Physics	2	1,500	3,000	2	29	58	
Chemistry	2	1,800	3,600	2	29	58	
Anatomy Physiology	1	1,800	1,800	1	29	29	
Prep/Storage	1	900	900				
Chemical Storage	1	200	200				
Teacher Collaboration	1	400	400				
Science SubTotal			18,300	10		290	

Spatial Program - High School 9-12

Space/Functional Area	No. of Spaces	Net S.F.	Total Net S.F.	No. of T.S.	No. of Students	Capacity	Notes
PE Classroom	1	960	960	1	29	29	
Training Lab	1	400	400				
Girls Team Room	1	600	600				
Boys Team Room	1	600	600				
Athletic Locker Room - Men/Women	2	1,200	2,400				200 Athletic Lockers
Toilet/Shower	2	300	600				Could be combined with P.E.
P.E. Locker Room - Men/Women	2	2,000	4,000				900 PE Lockers & 150 Street Lockers each
Toilet/Shower	2	300	600				Could be combined with Athletics
Officials Locker Room	1	175	175				Includes Lockers, Toilet and Shower
Lobby/Display	1	1,200	1,200				Trophy case
Ticketing	1	80	80				
Public Restrooms	2	600	1,200				
Concessions	1	180	180				
Athletic Director Office	1	150	150				
Athletic Equipment Storage	1	800	800				
Athletic/P.E. Office Men/Women	2	500	1,000				Includes toilet and shower each
Instructor/Coach Collaboration	1	250	250				Includes conference area
P.E. Equipment Storage	1	600	600				
Athletics/PE SubTotal			55,225	9		261	

AQUATICS CENTER

Competition Pool			Exterior Area			30M X 25YD	
Pool Equipment/Storage	1	2,000	2,000	1	15	15	
Office	1	100	100				
First Aid	1	180	180				
Restrooms	2	175	350				
Showers	2	40	80				
Aquatics SubTotal			2,710	1		15	

FOOD SERVICE

Social/Dining	1	6,000	6,000				
Restrooms	2	200	400				
Table/Chair Storage	1	300	300				
Kitchen	1	1,500	1,500				For 1500 Meals (1 SF = 1 Meal)
Servery	1	1,400	1,400				
Office	1	80	80				
Staff Toilet	1	100	100				
Cooler Walk-in	1	280	280				
Freezer Walk-in	1	280	280				
Dry Storage	1	800	800				
Dishwashing	1	600	600				
Snack Bar	1	250	250				
Food Service SubTotal			11,990	1		0	

OUTDOOR LEARNING

Amphitheater			Exterior Space				
Outdoor Classrooms							

MAINTENANCE / MISC

Warehouse/Storage	1	2,000	2,000				
Restrooms	12	300	3,600				Numbers vary per code.
Cutodial	8	60	480				
Storage	8	60	480				
Maintenance SubTotal			6,560			0	

SubTotal Square Footage		218,080					
Circulation & Services	22%	47,978				Electrical, IDF, MDF, and Mechanical	
Campus Total Square Footage		266,058	82		2,225	assumes 100% utilization	
					120		