

Educational Specifications

Stamford Public School District: Westhill High School



Draft: May 25, 2021

Table of Contents:

Section I: Rationale for Project

Section II: District Vision, Mission, and Core Values

Section III: Long Range Educational Plan

Section IV: Enrollment Data and Proposed Project Capacity

Section V: Learning / Educational Activities

Section VI: Detailed Description

Section VII: Building Systems

Section VIII: Interior Building Environment

Section IX: Site Development

Section X: Priority List and Construction Bonus Requests

Section XI: Community Uses

Section XII: Program

Section I: Rationale for Project

Project Overview

Stamford Public Schools (SPS) comprises nearly 16,500 students, over 1,500 professionals, and 21 schools, including seven magnet schools and three International Baccalaureate sites. There are a total of 13 elementary schools, 5 middle schools and 3 high schools. SPS is proud that our district is as rich in diversity as it is in talent. We have students from many cultural backgrounds and geographic locations—as demonstrated by the more than 73 different languages spoken in the homes of our families. Our students are offered a learning experience rich in cultural diversity and reflective of the global society in which they will work and live. Westhill High is Stamford’s largest of our three high schools. Currently in Stamford, we have over 16,203 students in grade Pre-K-12. 4,666 of the students attend one of our 3 high schools – Westhill (2,189), Stamford High School (1,852), and the Academy of Information, Technology & Engineering - AITE (625). Two of the three schools are traditional comprehensive high schools, while AITE is an interdistrict magnet school.

We are proud to share that SPS offers a variety of high school programs at our comprehensive high schools including International Baccalaureate (IB), Early College Experience (ECE), Advance Placement (AP), Junior Reserve Officers’ Training Corps (JROTC), School-Based Health Centers, RISE Network and many others. Stamford employs a system of support that provides students with access and opportunity to all courses and programs offered in the Stamford Public School District. In addition, all of the high schools in Stamford offer co-curricular, extra-curricular, and athletics options; including, but not limited to, drama club, band, debate club, yearbook, and mock trial.

Section II: District Vision, Mission, and Core Values Educational Program and Vision

Stamford Public Schools recognizes the challenges, successes and accomplishments that happen every day in our schools. Our District Strategic Plan builds upon this knowledge and provides the strategies and framework to help us ensure further success for all of our students. We continue to transform as a learning organization capable of change and growth in which all students, teachers, families—and the community—work collaboratively to ensure that every student is challenged, inspired and prepared to reach his/her maximum potential.

Our Mission

The mission of SPS is to provide an education that cultivates productive habits of mind, body and heart in every student.

Our Vision

SPS is a learning organization that continuously improves its effective, innovative and transformational teaching and learning. We will challenge, inspire and prepare all students to be productive contributing members of society.

Section III: Long Range Educational Plan

In August of 2020, a Long-Term Facilities Committee was formed comprised of representatives from the Board of Education (BOE) Operations Committee, Planning Board, Board of Finance (BOF), and Board of Representatives (BOR), as well as various union representatives, parents, community members, City of Stamford Mayor’s Office and Engineering Bureau representatives, and SPS Facilities Department representatives. The key areas of focus included a Request for Proposals (RFP) to secure a professional services firm to develop a Master Facilities Plan, funding options (local, state, federal, or private), and family and community engagement. After much discussion with SPS Facilities Department representatives, who are responsible for the daily repair and maintenance, representatives from the BOE, BOF, and BOR as well as the Long-Term Facilities (LTF) Committee decided that the Westhill campus needed immediate attention.

Section IV: Enrollment Data and Proposed Project Capacity

Projected enrollments are shown below. These were developed by Webster Pacific and reflect the slow but steady growth Westhill has experienced in recent years.

Year	9th	10th	11th	12th	Total	Projected Annual
2021-22	649	574	537	526	2286	
2022-23	653	567	593	519	2332	2.01%
2023-24	658	570	586	573	2387	2.36%
2024-25	662	574	589	566	2392	0.21%
2025-26	667	578	593	570	2408	0.67%
2026-27	671	582	598	574	2424	0.66%
2027-28	676	586	602	578	2441	0.70%
2028-29	680	590	606	582	2458	0.70%
2029-30	685	594	610	585	2474	0.65%
2030-31	690	598	614	589	2491	0.69%
2031-32	695	602	618	593	2508	0.68%

* Please note that 138 of the students included in the 2021-22 data are enrolled in the Regional Agriscience Program.

Section V: Learning / Educational Activities

The District engaged Dr Frank Locker, of Frank Locker Educational Planning, to develop a detailed 21st century educational Vision and facilities concepts for Westhill.

Key elements of the Vision included:

Most Important Issues

In priority order:

1. Student Engagement
2. STEM/STEAM/Engineering
3. Personalized Learning
4. 21st Century Skills/Competencies
5. 21st Century Learning
6. Deeper Learning
7. Project-Based Learning
8. Small Group Collaboration
9. Social Emotional Learning

Most Effective Learning Modalities

In priority order:

1. Small Group Work/Student Collaboration
2. Project-based Learning
3. Direct Teaching
4. Longer class periods for deeper learning
5. Making things, prototyping, STEM, STEAM
6. Thematic/Interdisciplinary Learning
7. Teacher teaming/synchronous collaboration
8. Social Emotional Learning
9. Internships
10. Integrated Arts Learning
11. Service Learning

School Organizational Concepts

In priority order:

1. Flexible platform for change
2. Teacher planning centers
3. Safety and security in 21st Century buildings
4. Small learning communities (SLCs)
5. Flexible, varied, brain-based furniture
6. 21st Century schools
7. End of the classroom as we know it today

Facility Planning Concepts

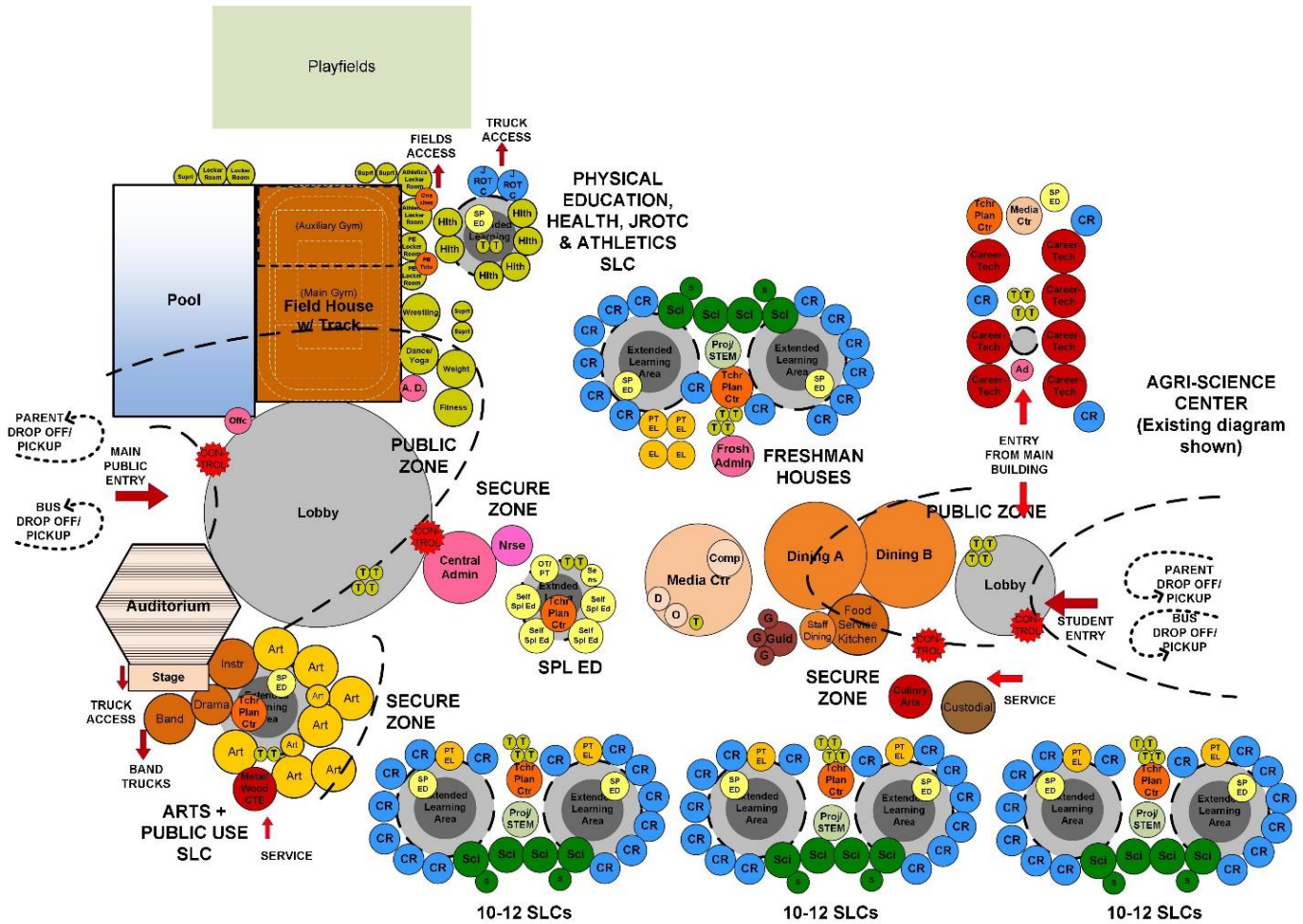
The 21st century educational concepts outlined above have the following implications for the planning and design of the future Westhill facility:

Essential characteristics of desired core learning space concepts are:

- Learning spaces arranged as Small Learning Communities
- Classrooms are components of “suites of spaces,” supported by other spaces immediately adjacent
- Circulation to be used for learning
- Classrooms are to be flexible, interconnected, and supported by auxiliary spaces including Collaboration/Breakout/Commons Spaces
- Interdisciplinary possibilities
- Open, shared presentation areas
- Variety of furnishings, offering students and teachers more choices in supporting learning
- Possibility of student groups working in multiple places under the guidance of the teacher
- Teacher collaboration supported by the facilities, through double sized Classrooms, connections between Classrooms and strategic placement of related functions
- Teacher Planning Centers to support teacher collaboration and sense of community

Overall Westhill High School Facility Planning Diagram

This is based on the vision and developed in nuance and detail through multiple iterations of development informed by Department Head interviews.



WESTHILL HIGH SCHOOL

DRAFT
Not all spaces shown
5th May 2021

Section VI: Detailed Description

All spaces and all equipment shall be designed to prevent discrimination against particular groups of people based on physical disability, mental illness or ability, sexual orientation, gender, gender identity/expression, or sex characteristics.

Regularly occupied spaces shall have natural daylight and views of the outside environment.

All classrooms shall facilitate teacher-to-student and student-to-student communication through effective acoustic design. Background noise of HVAC systems shall be minimized.

Construction of classrooms shall include acoustic treatment and other measures to minimize noise intrusion from exterior sources and from other learning spaces. Classrooms shall be designed to include sufficient sound-absorptive material on interior surfaces to comply with Connecticut General Statutes.

Provide an adequate number of toilet rooms, distributed throughout the school, for students, teachers, staff, and visitors. Provide an adequate number of drinking fountains and water bottle filling stations throughout the school.

Academic Core Spaces and Support Spaces

GENERAL CLASSROOMS	
English, Math, Social Studies, History, World Language, Business, English Language	
Proposed SF: 900 SF nominal size. See Space Compilation for exact size	
Number: 72	
Student Count: 25	
Space Concept: The classrooms should be designed for an integrated approach to technology and multiple furniture arrangements and flexible classroom configurations. The space should function as a general shared instructional space	
Access/Location	Adjacent to Extended Learning Areas
Classroom Storage	Display and bookshelves Storage cabinets for learning materials and project storage, lockable Fixed cabinets and accessible work surfaces
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring
Display	Marker/whiteboard Tack board & display boards Projection screen/surfaces
Student Furniture	Modular rectangular tables with chairs to support up to 25 students Circular tables for small groups with chairs

Teacher Furniture	Teacher desk and chair Lateral/vertical file cabinet
Other Furniture	Flag bracket & flag
Special Needs/Equipment	Windows, glazed barn doors, garage doors, Nano-walls, or glazed sliding doors to Extended Learning Area - consider acoustic requirements
Classroom Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system

SCIENCE - BIOLOGY, PHYSICS, EARTH SCIENCE	
Proposed SF: 1200 SF nominal size. See Space compilation for exact size	
Number: 16	
Student Count: 25	
Space Concept for Flexible Labs: Perimeter casework with countertop and overhead cabinets. Student sinks in the countertops at regular intervals to allow portable tables to abut to form 4-student workstations. The classrooms should be designed with technology integrated into each instructional workstation including the lab stations. Casework and furniture configurations should support a number of teaching styles, including lectures, lab work, small group and individual instruction.	
Access/Location	Access to Prep Room
Classroom Storage	Display and bookshelves Storage cabinets for learning materials and project storage, lockable Fixed cabinets and accessible work surfaces Lab casework with epoxy counters
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring
Display	Marker/whiteboard Tack board & display boards Projection screen/surfaces
Student Furniture	Modular rectangular tables with chairs in a CLAB set-up At least one ADA-compliant student desk Wireless computer stations Lab Chairs Student cubbies and coat hooks
Teacher Furniture	Teacher Desk and Chair Lateral file cabinet Teacher demonstration desk with sink, power, gas, and air
Other Furniture	Flag bracket & flag

Special Needs/Equipment	Windows to Extended Learning Area Lab stations with sinks, power, gas, and air Room darkening shades Fume hood (could be shared between Prep Rooms and Classrooms) Fire blanket and cabinet Personal protective equipment (PPE) cabinet
Classroom Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system
Plumbing	Sink at each lab station and at teacher's demonstration area. Local acid waste drain Eyewash & body shower with floor drain

SCIENCE - CHEMISTRY	
Proposed SF: 1200 SF nominal size. See Space compilation for exact size	
Number: 5	
Student Count: 25	
Space Concept for Flexible Labs: Perimeter casework with countertop and overhead cabinets. Student sinks in the countertops at regular intervals to allow portable tables to abut to form 4-student workstations. The classrooms should be designed with technology integrated into each instructional workstation including the lab stations. Casework and furniture configurations should support a number of teaching styles, including lectures, lab work, small group and individual instruction.	
Access/Location	Access to Prep Room
Classroom Storage	Display and bookshelves Storage cabinets for learning materials and project storage, lockable Fixed cabinets and accessible work surfaces Lab casework with epoxy counters Chemical/Flammable storage cabinets
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring
Display	Marker/whiteboard Tack board & display boards Projection screen/surfaces
Student Furniture	Modular rectangular tables with chairs in a CLAB set-up At least one ADA-compliant student desk Wireless computer stations Lab Chairs Student cubbies and coat hooks
Teacher Furniture	Teacher Desk and Chair Lateral file cabinet Teacher demonstration desk with sink, power, gas, and air
Other Furniture	Flag Bracket & Flag

Special Needs/Equipment	Lab stations with sinks, power, gas, and air Room darkening shades Fume hood (could be shared between Prep Rooms and Classrooms) Fire blanket and cabinet Fire extinguisher and cabinet Personal protective equipment (PPE) cabinet
Classroom Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system
Plumbing	Sink at each lab station and at teacher's demonstration area. Local acid waste drain Eyewash & body shower with floor drain

SCIENCE - PREP	
Space: Prep Room	
Proposed SF: 300 SF	
Number: 11	
Access/Location	Shared between (2) Science Rooms
Classroom Storage	Storage cabinets for learning materials and project storage, lockable Fixed cabinets and accessible work surfaces Lab casework with epoxy counters Chemical/Flammable storage cabinets
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring
Display	Marker Board Bulletin boards
Furniture	Tables for lab prep Built-in counters with shelving above and below around perimeter of the room Secured storage for materials Chemical storage cabinets; a separate and secure storage closet for flammables
Special Needs/Equipment	Refrigerator with ice maker Fume hood (could be shared between Prep Rooms and Classrooms) Fire extinguisher and cabinet Personal protective equipment (PPE) cabinet
Plumbing	(1) sink per Prep Room Glassware dishwasher Eye wash and emergency showers where applicable

APPLICATIONS LAB	
STEM Labs	
Proposed SF: 1200 SF nominal size. See Space compilation for exact size	
Number: 4	
Student Count: 25	
Space Concept: The labs should be designed for an integrated approach to technology and multiple furniture arrangements and flexible classroom configurations. The space should function as a general shared instructional space. Equip all STEM Labs with required services but for opening day equip only 1 to the specification here, and 3 to the Project Lab specification.	
Access/Location	Contiguous with the Extended Learning Area; near Science
Classroom Storage	Built-in counters with shelving below around perimeter of the room Counters to showcase student work and/or allow for standing collaborative work Secured storage for materials
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring
Display	Multiple magnetic whiteboards (wall-to-wall) on front and side walls Rolling whiteboards Bulletin boards lining the back wall
Student Furniture	4FT X 6FT project tables, gangable, for collaboration in center of room. Computer tables/workstations built into perimeter cabinetry for 2 students with desktop computers around perimeter of classroom Soldering alcove in perimeter casework Student chairs
Teacher Furniture	Teacher desk built into perimeter casework and chair Lateral/vertical file cabinet
Other Furniture	Flag bracket & flag
Special Needs/Equipment	Fume hood for soldering Laser Printers Flat bed Laser Cutter with ventilation system Table top Drill Press Table top mini Table Saw Pegboards and slat wall/open shelving to store hand tools Bins on racks for spare parts Unobstructed green wall for photo shoots Tripod with camera Table top spray booth for aerosol paint application Refrigerator with ice maker Appropriate combustion class fire extinguishers Personal protective equipment (PPE) cabinet Black-out window shades Window to Extended Learning Area

Classroom Technology	Power outlets: with USB charging modules Recharging stations for cordless power tools Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system Document Camera
Plumbing	Lab sink Eye wash and emergency showers where applicable

APPLICATIONS LAB/PROJECTS	
Project Labs	
Proposed SF: 1000 SF nominal size. See Space compilation for exact size	
Number: 8	
Student Count: 25	
Space Concept: The labs should be designed to support active hands-on learning for core subjects, business, and English Learners. The space should function as a general shared instructional space.	
Access/Location	Contiguous with the Extended Learning Area
Classroom Storage	Built-in counters with shelving below around perimeter of the room Counters to showcase student work and/or allow for standing collaborative work Secured storage for materials
Teacher Storage	Secure storage for hand tools and hand power tools
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring
Display	Multiple magnetic whiteboards (wall-to-wall) on front and side walls Rolling whiteboards Bulletin boards lining the back wall
Student Furniture	4FT X 6FT project tables, gangable, for collaboration in center of room. Computer tables/workstations built into perimeter cabinetry for 12 students with desktop computers Student chairs
Teacher Furniture	Teacher desk built into cabinetry and chair Lateral/vertical file cabinet
Other Furniture	Flag bracket & flag
Special Needs/Equipment	Windows, glazed barn doors, garage doors, Nano-walls, or glazed sliding doors to Extended Learning Area - consider acoustic requirements Refrigerator with ice maker Black-out window shades

Classroom Technology	Power outlets: with USB charging modules Recharging stations for cordless power tools Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system Document Camera
Plumbing	(4) lab sinks Eye wash and emergency showers where applicable

EXTENDED LEARNING AREAS	
Proposed SF: 1200 SF in Core and 500Sf each in PE/Athletics, Arts, and Special Education, plus application of the circulation factor to create additional space seamlessly	
Number: 8 in core learning, plus 1 in PE/Athletics, 1 in Arts and 1 in Special Education	
Space Concept: The classrooms should be designed for an integrated approach to technology and multiple furniture arrangements and flexible classroom configurations. The space should function seamlessly with adjacent Classroom and Labs, as a shared breakout instructional space, a presentation area, small group discussion area, quiet reflective study area, all flexible to be changed during each day, week, or semester	
Access/Location	Central to the student learning communities
Classroom Storage	Display and bookshelves that can be used as dividers to semi-isolate student collaboration areas
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Carpet
Display	Walls should be functional work space and for showing student work. Marker/whiteboard Tack board & display boards Projection screen/surfaces
Furniture	Comfortable, movable, modular, gangable student furniture for informal small group collaborative work Club chairs Bean bag chairs Built-in countertops at perimeter/windows to support reflective learning Small elevated platform for presentations Small Learning Stair
Classroom Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system Aux ports for plugging into display

TEACHER PREP WORKROOM/ PLANNING CENTER	
Number: 8 in core Small Learning Communities and 1 in each of Arts and Special Education	
Proposed SF: 500 SF in Core and Arts, 200SF in Special Education	
Access/Location	One per Small Learning Community Staff toilets contiguous
Storage	Bookshelves Lockable teacher storage wardrobes; one (1) for each teacher Lateral files for each teacher Secured storage for teacher materials
Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring
Display	Multiple magnetic whiteboards Bulletin boards
Furniture	Built-in countertops or office systems desk components around perimeter of the room Swivel office chairs to accommodate up to 16 teacher work stations Center conference table for collaborative work
Special Needs/Equipment	Kitchenette with sink and cabinetry Microwave Coffee maker Refrigerator
Technology	Network copier/printer/fax machine
Plumbing	Kitchenette sink

TEACHER PREP WORKROOM - STAFF TOILETS	
Proposed SF: 60 sf	
Number: 16 in core, 2 in Special Education, 2 in Arts, 4 in Admin, 2 in Guidance	
Access/Location	Often accessed through Teacher Prep/Workroom/Planning Center ADA accessible
Lighting	General lighting
Flooring	Tile
Special Needs/Equipment	Moisture resistant drywall Toilet accessories including mirror
Plumbing	ADA compliant fixtures

SMALL GROUP ROOM	
Proposed SF: 150 SF	
Number: 8, one per core Small Learning Community	
Access/Location	Contiguous with Extended Learning Area
Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring
Display	Multiple magnetic whiteboards Bulletin boards lining the back wall
Furniture	Comfortable chairs/desks/tables to accommodate two to six students (flexible/adaptable/easily movable work stations)
Technology	Document Camera Interactive Whiteboard/ LED Panel

INSTRUCTIONAL MATERIAL STORAGE	
Proposed SF: 200 SF	
Number: 8 in core at each Small Learning Community, 1 in Special Education	
Access/Location	Off Teacher Workroom/Planning Center
Lighting	General lighting
Flooring	Sealed concrete flooring
Furniture	Shelving to accommodate instructional materials

PHONE BOOTH	
Proposed SF: 35 SF	
Number: 8 in core at each Small Learning Community, 2 in Special Education	
Access/Location	Adjacent to Teacher Prep/Workroom/Planning Center
Lighting	Same as Teacher Work/Planning Center
Flooring	Same as Teacher Work/Planning Center
Furniture	Swivel office chair
Special Needs/Equipment	Built-in 18" deep desk height counter
Technology	Internet connection Electric outlet at counter height Power outlets: with USB charging modules

PRIVATE OFFICES	
Proposed SF: 120 SF	
Number: 8 in core, 1 in Special Education, 1 in Arts, 2 for JROTC in PE/Athletics	
Access/Location	Within Student Learning Communities off Teacher Workrooms/Planning Centers
Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Carpet tile
Display	Multiple magnetic whiteboards Bulletin board
Furniture	Office systems desk per office Swivel office chair per office Two visitor chairs in other Offices Lockable storage/wardrobe Lockable lateral files One (1) large wall unit bookcase per office
Technology	Power outlets: with USB charging modules One (1) computer per work area Interactive LED Panel

Special Education Spaces and Support Spaces

SPECIAL EDUCATION - CORE	
This space is identical to general Classrooms except furniture and equipment	
Proposed SF: 900 SF nominal size. See Space Compilation for exact size	
Number: 3	
Student Count: 10	
Space Concept: The classrooms should be designed for an integrated approach to technology and multiple furniture arrangements and flexible classroom configurations. The space should function as a general shared instructional space.	
Access/Location	In Special Education Small Learning Community, adjacent to Extended Learning Area. Access to the shared kitchen space and work space (Team Room)
Classroom Storage	Display and bookshelves Storage cabinets for learning materials and project storage, lockable Fixed cabinets and accessible work surfaces
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring

Display	Marker/whiteboard Tack board & display boards Projection screen/surfaces
Student Furniture	Modular rectangular tables with chairs to support up to 10 students Partitions for 1-1 work
Teacher Furniture	Teacher desk and chair Lateral/vertical file cabinet
Other Furniture	Flag bracket & flag
Special Needs/Equipment	Windows to Extended Learning Area
Classroom Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system

SPECIAL EDUCATION - ASD	
Space: ASD	
Proposed SF: 900 SF nominal size. See Space Compilation for exact size	
Number: 2	
Access/Location	In Special Education Small Learning Community, adjacent to Extended Learning Area. Access to the shared kitchen space and work space (Team Room)
Classroom Storage	Built-in counters with shelving above and below Secured storage for materials, tall storage cabinets or a closet.
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring that allows for easy movement
Display	Marker/whiteboard Tack board & display boards Projection screen/surfaces
Student Furniture	Comfortable chairs/desks/tables (flexible/adaptable/easily movable work stations, standing tables)
Teacher Furniture	Teacher desk and chair Lateral/vertical file cabinet
Other Furniture	Bookshelves Partitions for 1-1 work
Special Needs/Equipment	Quiet area in room with floor mats

Classroom Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Projection devices for collaborative work Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system Sufficient mobile devices for each student with charging station
----------------------	--

SPECIAL EDUCATION - NURSE OFFICE FOR MEDICALLY FRAGILE	
Proposed SF: 450 SF total in multiple rooms. See Space Compilation for exact size.	
Number: 1	
Access/Location	Suite of spaces
Spaces	Arrival/Waiting Room: 150 SF Office/Exam Room: 120 SF Barrier-free Toilet: 60 SF Supplies Storage Room: 80 SF Secure Medical Supplies Storage: 40 SF
Storage	Vertical storage cabinet in Office/Exam
Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Resilient Flooring
Display	Bulletin Board
Furniture	Base cabinet with sink in Office/Exam Two (2) locking wall cabinets in Office/Exam One (1) office systems desk in Office/Exam with office chair One (1) exam table in Office/Exam Two (2) five-drawer file cabinets in Office/Exam Two (2) lockable full height medicine cabinets in Office/Exam Two (2) visitor chairs in Arrival/Wait
Special Needs/Equipment	Adjustable shelving in Supplies Storage Room and Secure Medical Supplies Storage Refrigerator with generator back-up Microwave 2 wheel chairs
Technology	Power outlets: with USB charging modules Polycom telephone Interactive LED Panel Aux ports for plugging into display 1 desktop computer
Plumbing	Sink in Office/Exam (1) toilet and sink in Bathroom Eye-wash station

SPECIAL EDUCATION - TEAM	
Space: Medically Fragile	
Proposed SF: 16500 SF in multiple rooms. See Space Compilation for exact size	
Number: 1	
Access/Location	In Special Education Small Learning Community, adjacent to Extended Learning Area.
Spaces:	TEAM Classroom: 900 SF Storage: 450 SF Shared Kitchen/Laundry Room: 150 SF TEAM Toilet/Shower/Changing: 150 SF
Classroom Storage	Built-in counters with shelving above and below Secured storage for materials
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring that allows for easy movement
Display	Marker/whiteboard Tack board & display boards Projection screen/surfaces
Student Furniture	Comfortable chairs/desks/tables (flexible/adaptable/easily movable work stations, standing tables) Modular rectangular tables with chairs to support up to 10 students Partitions for 1-1 work
Teacher Furniture	Teacher desk and chair Lateral/vertical file cabinet
Other Furniture	Bookshelves Storage for large adaptive equipment and furniture (chairs, prone standers, supine standers, large walkers, gait trainers, therapy balls, etc.) changing table
Special Needs/Equipment	Washer/dryer Refrigerator Microwave Dishwasher Stove/oven
Classroom Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Projection devices for collaborative work Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system Sufficient mobile devices for each student with charging station
Plumbing	(1) Sink Attached Toilet Room

SPECIAL EDUCATION - RESOURCE	
Space: Autism	
Proposed SF: 450 SF nominal size. See Space Compilation for exact size	
Number: 15	
Access/Location	In Academic, PE/Athletics and Arts Small Learning Communities, adjacent to Extended Learning Area
Classroom Storage	Built-in counters with shelving above and below Secured storage for materials, tall storage cabinets or a closet.
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring that allows for easy movement
Display	Marker/whiteboard Tack board & display boards Projection screen/surfaces
Student Furniture	Comfortable chairs/desks/tables for up to 15 students (flexible/adaptable/easily movable work stations, standing tables)
Teacher Furniture	Teacher desk and chair Lateral/vertical file cabinet
Other Furniture	Bookshelves Partitions for 1-1 work
Special Needs/Equipment	Quiet area in room with floor mats
Classroom Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Projection devices for collaborative work Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system Sufficient mobile devices for each student with charging station

SPECIAL EDUCATION - EL CLASSROOMS	
Proposed SF: 900 SF nominal size. See Space Compilation for exact size	
Number: 5	
Student Count: 18	
Space Concept: The classrooms should be designed for an integrated approach to technology and multiple furniture arrangements and flexible classroom configurations. The space should function as a general shared instructional space.	
Access/Location	Load in a cluster at the entry to Freshman House Small Learning Communities

Classroom Storage	Display and bookshelves Storage cabinets for learning materials and project storage, lockable Fixed cabinets and accessible work surfaces
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring
Display	Marker/whiteboard Tack board & display boards Projection screen/surfaces
Student Furniture	Modular rectangular tables with chairs to support up to 20 students Circular tables for small groups with chairs
Teacher Furniture	Teacher desk and chair Lateral/vertical file cabinet
Other Furniture	Flag bracket & flag
Special Needs/Equipment	Windows, glazed barn doors, garage doors, Nano-walls, or glazed sliding doors to Extended Learning Area
Classroom Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system

SPECIAL EDUCATION - OT/PT Room	
Proposed SF: 450 SF	
Number: 1	
Access/Location	Close proximity to ASD/CORE/TEAM. Connected to the Sensory Room
Storage	Storage for OT/PT equipment Two (2) lockable teacher storage wardrobe Two (2) lockable four-drawer filing cabinet Built-in counters with shelving below around perimeter of the room Secured storage for materials
Lighting	Acoustical Tile Multi level direct/indirect lighting
Flooring	Resilient Flooring
Display	Magnetic whiteboards Bulletin boards lining the back wall
Furniture	Teacher desk/chair (possibly built in to counter area or with office systems workstation components to save space)

Special Needs/Equipment	<p>Various equipment for Occupational Therapy Area for gross motor activities Floor mats Sling/swing suspended from ceiling anchor</p>
Technology	<p>Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system</p>

SPECIAL EDUCATION - SENSORY ROOM	
Proposed SF: 200 SF	
Number: 1	
Access/Location	In Special Education Small Learning Community, adjacent to Extended Learning Area. Connected to the OT/PT Room.
Storage	Storage for OT/PT equipment
Lighting	<p>Carpet tiles Multi level direct/indirect lighting</p>
Flooring	Resilient Flooring
Display	<p>Magnetic whiteboards Bulletin boards lining the back wall</p>
Furniture	<p>Teacher desk/chair (possibly built in to counter area to save space) Bean bag chairs Couch or club chairs</p>
Special Needs/Equipment	<p>Sensory swing Floor mats Room darkening shades Aquarium</p>
Technology	<p>Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address Built-in audio system with control equipment in a cabinet</p>

SPECIAL EDUCATION - TESTING ROOM	
Proposed SF: 150 SF	
Number: 2	
Access/Location	In Special Education Small Learning Community, adjacent to Extended Learning Area
Lighting	Acoustical Tile Multi level direct/indirect lighting
Flooring	Carpet tile
Display	Whiteboards Bulletin board
Furniture	Table and chairs
Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address

SPECIAL EDUCATION - ADMINISTRATION OFFICES	
Proposed SF: varies	
Number: 1 suite	
Access/Location	In Special Education Small Learning Community, adjacent to Extended Learning Area Close proximity to the Guidance Offices.
Spaces:	Private Office: 120 SF Confidential Phone Booth: (2) @ 35 SF Secretary/Reception: 200 SF Secure Files: 80 SF
Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Carpet tile
Display	Whiteboard Bulletin board
Furniture	Furniture for Private Office and Phone Booth to be identical to that in academic Teacher Workroom/Planning Centers Lockable storage/wardrobe Furniture for Secretary/Reception to be identical to Freshman House Secretary/Assistant area Lockable lateral files One (1) large wall unit bookcase
Technology	Power outlets: with USB charging modules One (1) computer per work area/office Security "panic" button Network copier

SPECIAL EDUCATION - WORKROOM/ CONFERENCE ROOM	
Proposed SF: 150 SF	
Number: 1	
Access/Location	In Special Education Small Learning Community, adjacent to Extended Learning Area
Storage	Cabinets for general office supplies
Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Carpet tile
Display	Whiteboard Bulletin board
Furniture	Table with seating Credenza
Technology	Power outlets: with USB charging modules Interactive LED Panel Aux ports for plugging into display Printer

Administration Spaces and Support Spaces

ADMINISTRATIVE - OFFICES	
Proposed SF: varies see below and Space Compilation	
Number: 8	
Access/Location	Adjacent to main office reception and secretarial area
Spaces:	Principal's Office: 195 SF Assistant Principals' Offices: (3) @ 120 SF Account Clerk's Office: 120 SF Data Processing Office: 120 SF Dean of Student's Office: 120 SF Registrar's Office: 120 SF
Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Carpet tile
Display	Whiteboards Bulletin board
Furniture	Office systems desk per office Swivel office chair per office Seating for four (4) at conference table in Principal's Office Two visitor chairs in other Offices Lockable storage/wardrobe Lockable lateral files One (1) large wall unit bookcase per office

Technology	Power outlets: with USB charging modules One (1) computer per work area Security “panic” button Network copier
------------	---

ADMINISTRATIVE – MIAN OFFICE RECEPTION AND SECRETARIAL AREA	
Proposed SF: See below	
Number: 1 suite	
Access/Location	Located near Main Entrance as entry area Adjacent to main office, assistant principal office, dean of students office, counselor offices and conference room
Spaces:	Reception Area: 300 SF Secretarial Area: 300 SF Administration Storage: 150 SF Vault/Records Storage: 80 SF
Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Carpet tile
Display	Whiteboards Bulletin board
Furniture	Office systems desk per office or work space Swivel office chair per desk Two visitor chairs in closed Offices Lockable storage/wardrobe Lockable lateral files One (1) large wall unit bookcase per office Soft furniture for visitor seating Fire-rated student file storage
Special Needs/Equipment	Multiple windows to view visitor activity
Technology	Power outlets: with USB charging modules One (1) computer per work area Security “panic” button Network copier

ADMINISTRATIVE - FRESHMAN HOUSE	
Proposed SF: see below	
Number: 1 suite	
Access/Location	
Spaces:	Freshman House Secretary/Assistant Area: 150 SF Freshman House Assistant Principal's Office: 120 SF
Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting

Flooring	Carpet tile
Display	Whiteboards Bulletin board
Furniture	Office systems desk per closed office Swivel office chair per office Two visitor chairs in each Office Lockable storage/wardrobe Lockable lateral files One (1) large wall unit bookcase per office Desk and chair per office
Technology	Power outlets: with USB charging modules One (1) computer per work area/office Security "panic" button Network copier

ADMINISTRATIVE - SECURITY	
Proposed SF: 580 SF TOTAL	
Number: Four functionally related rooms in various locations	
Access/Location	School Resource Officers located at Main Public Entrance and at Student Entrance; Security Head Office and Staff Security Room located in Main Office Suite
Spaces:	School Resource Officer: (2) @ 80 SF Security Head Office: 120 SF Security Staff Room: 300 SF
Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Carpet tile
Display	Whiteboard Bulletin board
Furniture	Furniture for Head Office to be identical to same sized offices in Admin. Suite Furniture for School Resource Officers to be same except 6 FT long control station with security equipment Furniture for Staff Room to be: Central table with seats for six (6) 12' long control station with security equipment and two swivel chairs 6' base and overhead cabinet with sink
Special Needs/Equipment	Microwave Under counter refrigerator
Technology	Central location for school-wide security systems Power outlets: with USB charging modules One (1) computer per work area Security "panic" button Security Monitors
Plumbing	Small residential sink in Staff Room

ADMINISTRATIVE & GUIDANCE - CONFERENCE ROOMS	
Proposed SF: 200 SF to 400 SF	
Number: 4	
Access/Location	Adjacent to administrative offices & Guidance Offices
Spaces:	Small Conference Rooms: Two (2) @ 200 SF Large Conference Room: 400 SF
Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Carpet tile
Display	Whiteboards Bulletin board
Furniture	Conference table Seating for up to sixteen (16) Credenza
Technology	Power outlets: with USB charging modules Polycom telephone Document Camera Interactive LED Panel Aux ports for plugging into display

ADMINISTRATIVE - MAIL/WORK/COPY ROOM/KITCHENETTE	
Proposed SF: 380 SF	
Number: 1	
Access/Location	Near Main Office
Storage	Staff mailboxes Built-in counters with shelving below
Lighting	Overhead cabinets and open shelving above
Flooring	Resilient Flooring
Display	Magnetic whiteboards Bulletin boards
Furniture	Table and six (6) chairs
Special Needs/Equipment	Coffee maker Built-in microwave
Technology	High capacity network copier/printer Shredder
Plumbing	(1) sink

ADMINISTRATIVE - STUDENT SUPPORT CENTER	
Proposed SF: 900 SF	
Number: 1	

Access/Location	Within Main Office suite, adjacent to Assistant Principal Office
Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring
Display	Marker/whiteboard Tack board & display boards
Furniture	Individual student classroom furniture
Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system

BACK PACK PROGRAM PANTRY	
Proposed SF: 120 SF	
Number: 1	
Space Concept: A place for school kids in need of food assistance to access food discretely.	
Access/Location	"Quick-in, quick-out" location in Guidance Suite
Storage	Perimeter 16" deep adjustable shelving
Lighting	Acoustical Tile Multi level direct/indirect lighting
Flooring	Resilient Flooring

SCHOOL STORE	
Proposed SF: 200 SF	
Number: 1	
Access/Location	Highly visible location near Cafeteria entry
Storage	Vertical built-in storage cabinet for bulk supplies
Lighting	Acoustical Tile Multi level direct/indirect lighting
Flooring	Resilient Flooring
Display	Slat wall with varied display fittings Magnetic whiteboard Bulletin board
Furniture	Perimeter base cabinets with countertop Adjustable Shelving Bookcases
Special Needs/Equipment	Point of Sale equipment for conducting store transactions
Technology	One (1) computer

PARENT/VOLUNTEER ROOM	
Proposed SF: 200 SF	
Number: 4	
Access/Location	Off Reception area of Main Office
Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Resilient Flooring
Display	Whiteboards Bulletin board
Furniture	4 club chairs Built-in desk height countertop with 2 office chairs
Technology	Power outlets: with USB charging modules Polycom telephone Interactive LED Panel Aux ports for plugging into display 1 desktop computer

Guidance and Support Spaces

GUIDANCE - OFFICES	
Proposed SF: Varied, see below	
Number: 1	
Access/Location	Adjacent to Career Center and Special Education Administration
Spaces:	Guidance Secretary/Reception: 200 SF Guidance Counselor's Offices: (12) @ 120 SF Psychologists' Offices: (3) @ 120 SF Social Workers' Offices: (3) @ 120 SF Speech/Language Pathologists' Offices: (2) @ 120 SF Itinerant Personnel Offices: (2) @ 120 SF Guidance Storage: 150 SF
Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Carpet tile
Display	Whiteboards Bulletin board
Furniture	Office systems desk and office swivel chair per office Guest seating for four (4) Lockable storage/wardrobe Lockable lateral files One (1) large wall unit bookcase per office

Technology	Power outlets: with USB charging modules One (1) computer per office/ work area Security “panic” button Network copier
Plumbing	Two (2) Guidance toilets and one (1) visitor toilet

GUIDANCE - CAREER CENTER/COMPUTER ROOM	
Proposed SF: 900 SF	
Number: 1	
Access/Location	Directly off Guidance arrival area
Storage	Built-in counters with shelving below around perimeter of the room
Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring
Display	Walls should be functional workspaces and for showcasing promotional materials Marker/whiteboard Tack board & display boards
Furniture	Student chairs/tables to accommodate up to twenty (28) students (flexible/adaptable/easily movable work stations, each able to hold a laptop computer) Teacher station Four (4) permanent workstations at perimeter with one (1) desktop computer each Bookshelves
Special Needs/Equipment	Closed deep display case in corridor
Technology	Power outlets: with USB charging modules One (1) computer per work area Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system Laptop charging station lockable cabinet

Nurse/Clinics and Support Spaces

HEALTH CLINIC	
Proposed SF: 550 SF total in multiple rooms	
Number: 1	
Access/Location	Suite of spaces
Spaces	Arrival/Waiting Room: 150 SF Office/Exam Room: 120 SF Barrier-free Toilet: 60 SF Lie Down Area with 2 cots: 100 SF Supplies Storage Room: 80 SF Secure Medical Supplies Storage: 40 SF
Storage	Vertical storage cabinet in Office/Exam
Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Resilient Flooring
Furniture	Base cabinet with sink in Office/Exam Two (2) locking wall cabinets in Office/Exam One (1) office systems desk in Office/Exam with office chair Two (2) cots in Lie-down Area One (1) exam table in Office/Exam Two (2) five-drawer file cabinets in Office/Exam Two (2) lockable full height medicine cabinets in Office/Exam Four (4) visitor chairs in Arrival/Wait
Special Needs/Equipment	Adjustable shelving in Supplies Storage Room Secure Medical Supplies Storage Refrigerator with generator back-up Microwave 2 wheel chairs 20 foot eye exam area
Technology	Power outlets: with USB charging modules Polycom telephone Interactive LED Panel Aux ports for plugging into display 1 desktop computer
Plumbing	Sink in Office/Exam (1) toilet and sink in Bathroom Eye-wash station

COMMUNITY CLINIC	
Proposed SF: 750 SF	
Number: 1	
Access/Location	Near Main Administration, Special Education, and Public Entry
Spaces:	Community Health Clinic: 550 SF TOTAL, including: Arrival/Waiting Room serving both Medical and Dental suites: 150 SF Office/Exam Rooms: 120 SF and 100 SF Barrier-free Toilet: 60 SF Supplies Storage Room: 80 SF Secure Medical Supplies Storage: 40 SF Dental Clinic: 200 SF TOTAL, including: One (1) Office/Exam Room: 120 SF Dental Workroom/ Supplies Storage Room: 80 SF
Storage	Closed lockable cabinets
Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Resilient Flooring
Furniture	Base cabinet with sink in each Office/Exam Two (2) locking wall cabinets in Office/Exam One (1) office systems desk in each Office/Exam with office chair One (1) exam table in Office/Exam Two (2) five-drawer file cabinets in Office/Exam Two (2) lockable full height medicine cabinets in Office/Exam Four (4) visitor chairs in Arrival/Wait One (1) dental chair in Dental Office/Exam
Special Needs/Equipment	Adjustable shelving in Supplies Storage Room and Secure Medical Supplies Storage Refrigerator with generator back-up Microwave 2 wheel chairs
Technology	Power outlets: with USB charging modules Polycom telephone Interactive LED Panel Aux ports for plugging into display Two (2) desktop computers
Plumbing	Interactive LED Panel Aux ports for plugging into display 1 desktop computer

Media Center and Support Spaces

MEDIA CENTER	
Reading Room/Circulation	
Proposed SF: 8725 SF nominal, see Space Compilation for actual SF	
Number: 1	
Space Concept: An open flexible space supporting varies activities that may change over time, supporting student collaboration and individual student study modality differences.	
Access/Location	The Media Center/ Learning Commons will be centrally located; “the heart of the school”
Storage	The Circulation Center will be located as a control point at the entry to the Media Center/ Learning Commons and adjacent to the workroom and media specialist office
Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Wall-to-wall carpeting
Display	Bulletin Boards to display student work and promotional materials
Furniture	Flexible book shelving that can easily be reconfigured for the book collection
Special Needs/Equipment	Self-checkout technology compatible with cafeteria-type self-checkout software Printer
Technology	Power outlets: with USB charging modules Four (4) staff computers for the circulation desk area Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system

MEDIA SPECIALIST OFFICE	
Proposed SF: 120 SF	
Number: 1	
Access/Location	Adjacent to Circulation Desk
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Carpet tile
Display	Whiteboard Bulletin board

Furniture	Office systems desk Swivel office chair Two visitor chairs Lockable storage/wardrobe Lockable lateral files One (1) large wall unit bookcase
Technology	Power outlets: with USB charging modules One (1) computer per work area Security "panic" button Network copier

MEDIA WORKROOM/STORAGE	
Proposed SF: 400 SF	
Number: 1	
Access/Location	Large windows to Media Center/ Learning Commons to support supervision
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting
Flooring	Carpet tile
Display	Whiteboards Bulletin board
Furniture	Perimeter base and overhead cabinets Work table at center with chairs Book cases, 6 shelves high Four (4) rolling book carts
Special Needs/Equipment	Microwave Coffee maker
Technology	Power outlets: with USB charging modules One (1) computer area Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system
Plumbing	One (1) residential sink

IT OFFICES & REPAIR CENTER	
Proposed SF: 200 SF	
Number: 1	
Access/Location	Adjacent to Main Server Room and Media Center/ Learning Commons entry to facilitate computer drop-offs
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting

Flooring	Carpet tile
Display	Whiteboards Bulletin board
Furniture	Two (2) office systems desks per office Swivel office chair per desk 8 FT computer repair counter with overhead cabinets Lockable storage/wardrobe Lockable lateral files One (1) large wall unit bookcase per office
Technology	Power outlets: with USB charging modules One (1) computer per work area Security "panic" button Network copier

MAIN SERVER ROOM	
Proposed SF: 250 SF	
Number: 1	
Access/Location	Adjacent to IT Offices and Media Center Learning Commons
Storage	Adjustable shelving units Counter area 2 x 4 feet) standing height
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Anti-static flooring
Special Needs/Equipment	Ladder Rack/cable tray Dedicated low pressure HVAC (7x24x365 cooling) Dry fire suppression system
Technology	6 dedicated 20AMP circuits on generator backup (2 for each rack)

Visual Arts and Support Spaces

VISUAL ARTS - FLEX STUDIOS (2D & 3D)	
Printmaking, Painting, Sculpture,	
Proposed SF: (1) @ 1200 SF, (2) @ 1000 SF	
Number: 3	
Student Count: 24 students per studio	
Space Concept: Allow instruction to be visible from circulation	
Access/Location	Studio off Arts Extended Learning Area. Indirect north light preferable.
Classroom Storage	Bookshelves Built-in counters with shelving below around perimeter of the room Counters to showcase student Secured storage for materials
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Slip resistant flooring that allows for easy cleanup
Display	Multiple magnetic whiteboards (wall-to-wall) on front and side walls Walls should be functional work spaces and for showcasing student work Bulletin boards lining the back wall Closed deep display cases in Learning Community/Visual Arts corridors
Student Furniture	Twelve (12) large gangable tables; twenty four (24) chairs
Teacher Furniture	Teacher desk and chair Lateral/vertical file cabinet
Special Needs/Equipment	3D printers (2) Printing Presses (3) drying racks In 3D only: (2) Large hot plates, soldering iron, laser cutter, Countertop table saw, glass cutting station, flame station Dust collection ductwork
Classroom Technology	Power outlets: with USB charging modules Sufficient electrical outlets Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system
Plumbing	Three (3) deep sinks with plaster trap drains

VISUAL ARTS - POTTERY & CERAMICS	
Pottery & Ceramics Studio Classroom, Kiln/Ceramics Storage	
Proposed SF: Studio 1300 SF, Kiln/ Ceramics Storage 400 SF	
Number: 1	
Student Count: 24 per studio	
Space Concept: Allow instruction to be visible from circulation	
Access/Location	Studio off Arts Extended Learning Area. Indirect north light preferable. Kiln Room accessed through Pottery & Ceramics Studio with proper ventilation
Spaces:	Studio and Kiln/Ceramics Storage
Classroom Storage	Built-in counters with shelving below around perimeter of the room Counters to showcase student Secured storage for materials (glaze, clay, tools, etc.) Combination of damp and drying cabinets Counter with plaster surface for wedging clay no more than four (4) feet in width
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Slip resistant flooring that allows for easy cleanup
Display	Multiple magnetic whiteboards (wall-to-wall) on front and side walls Bulletin boards lining the back wall Closed deep display cases in Learning Community/Visual Arts corridors
Student Furniture	Stainless steel work tables, chairs
Teacher Furniture	Teacher desk and chair Lateral/vertical file cabinet
Special Needs/Equipment	17 pottery wheels with stools (3) kilns Each of the three (3) existing kilns requires a 220v outlet Dedicated retractable electrical outlet/each of the seventeen (17) pottery wheels Industrial HEPA air filter Wall-mounted extruders Pug mill with dedicated electrical outlet Proper ventilation of kiln room HEPA air filter for classroom Emergency eyewash station Kiln/Ceramics Storage two (2) walls of adjustable metal shelving, 6 high, 18" deep
Classroom Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system
Plumbing	Three (3) large sinks with clay trap drains

VISUAL ARTS - FLEX STUDIO JEWELRY & METALSMITH	
Jewelry, Metalsmith	
Proposed SF: 1300 SF	
Number: 1	
Student Count: 24 per studio	
Space Concept: Allow instruction to be visible from circulation	
Access/Location	Studio off Arts Extended Learning Area . Indirect north light preferable.
Classroom Storage	Bookshelves Built-in counters with shelving below around perimeter of the room Counters to showcase student Secured storage for materials
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level Switching, addressable.
Flooring	Slip resistant flooring that allows for easy cleanup
Display	Multiple magnetic whiteboards (wall-to-wall) on front and side walls Walls should be functional work spaces and for showcasing flat and 3D student work Bulletin boards lining the back wall Closed deep display cases in Extended Learning Area
Student Furniture	Twelve (12) large gangable tables; twenty four (24) chairs
Teacher Furniture	Teacher desk and chair Lateral/vertical file cabinet
Special Needs/Equipment	(2) Large hot plates Equipment: soldering iron, laser cutter, countertop table saw, scroll saw, drill press, glass cutting station, flame station Student access cabinets for hand tool storage Dust collection ductwork
Classroom Technology	Power outlets: with USB charging modules Sufficient electrical outlets Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system
Plumbing	Three (3) deep sinks with chemical traps

VISUAL ARTS - COMPUTER ARTS	
Digital Photo Lab, Media Art	
Proposed SF: (1) 1200 SF, (1) 1300 SF	
Number: 2	
Student Count: 24 per studio	
Space Concept: Allow instruction to be visible from circulation	
Access/Location	Studio off Arts Extended Learning Area. Indirect north light preferable.
Classroom Storage	Built-in counters with overhead cabinets below around perimeter of the room Secured storage for materials
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Slip resistant flooring that allows for easy cleanup
Display	Multiple magnetic whiteboards (wall-to-wall) on front and side walls Walls should be functional work spaces and for showcasing student work Bulletin boards lining the back wall Closed deep display cases in Learning Community/Visual Arts corridors
Student Furniture	Comfortable chairs/tables/workstations (flexible/adaptable/easily movable work stations)
Teacher Furniture	Teacher desk and chair Lateral/vertical file cabinet
Other Furniture	2D drying rack
Special Needs/Equipment	Twenty Four (24) computers that will support digital design and electronic music software programs Art grade color printer and copier
Classroom Technology	Power outlets: with USB charging modules Outlets for twenty four (24) desktop computers Two (2) data ports/machine Sufficient electrical outlets Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system

VISUAL ARTS - PHOTOGRAPHY SUITE	
Darkroom	
Proposed SF: 750 SF TOTAL,	
Number: 1	
Spaces:	Interrelated suite of spaces to learn classic chemical-based photography: Classroom, 300 SF Darkroom: 175 SF Enlarging Room: 175 SF Supplies Storage: 50 SDF Light Trap: 50 SF
Access/Location	Off Arts Extended Learning Area , immediately adjacent to 2D Art Studio
Classroom Storage	Base and overhead cabinets, one full wall, lockable
Teacher Storage	In above
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable Red safety lights in all spaces Darkroom "No Entry" warning light
Flooring	Slip resistant flooring that allows for easy cleanup
Display	Bulletin boards in Classroom
Student Furniture	Classroom: 20 tablet arm chairs Enlarging Room: Two (2) built-in countertops each 15 FT long for enlargers Developing Room: Two (2) built-in countertops each 15 FT long for chemical trays
Storage	Full width 6 shelves high metal storage racks in Supplies Storage Room
Teacher Furniture	Built-in sit down counter to hold laptop computer, chair
Other Furniture	Rolling drying rack in Classroom Assembly/production table in Classroom
Special Needs/Equipment	Eight (8) developing pans Eight (8) enlargers Overhead photo strings in Darkroom Paper cutters
Classroom Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system
Plumbing	Industrial tub sink in Darkroom with chemical trap

VISUAL ARTS - STORAGE	
Proposed SF: 150 SF	
Number: 5	
Access/Location	Locate between related Studios, with access through those Studios
Storage	Adjustable shelving
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting
Flooring	Slip resistant flooring that allows for easy cleanup
Furniture	Rolling paper drying racks Paper roll storage racks on wheels
Special Needs/Equipment	Adjustable full height 18" deep metal storage racks on two walls

Music and Support Spaces

MUSIC - INSTRUMENTAL/BAND ROOM	
Proposed SF: 1500 SF	
Number: 1	
Student Count: 30	
Access/Location	Adjacent to Auditorium Stage Off Arts Extended Learning Area
Classroom Storage	8 FT long built-in counters/cabinets with storage above and below
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Pyramidal ceiling clouds for acoustical variation. Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Carpet squares
Display	Multiple magnetic whiteboards (wall-to-wall) with music staves Rolling whiteboards Bulletin boards
Student Furniture	Wenger performer chairs Wenger music stands Wenger Large Move and Store Music Stand Carts Wenger Chair Move and Store Carts
Teacher Furniture	Teacher desk and chair Lateral/vertical file cabinet
Other Furniture	Portable risers, 3 FT deep, able to be relocated to the Stage

Special Needs/Equipment	Vertical files for music storage Upright piano Countertop printer Electronic keyboard on stand Double doors Acoustical wall treatments
Classroom Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system Stereo and speaker system Recording equipment built in to classroom for assessment purposes
Plumbing	(1) deep sink for instrument cleaning Drinking fountain

MUSIC - VOCAL ROOM	
Proposed SF: 1200 SF	
Number: 1	
Student Count: 30	
Access/Location	Adjacent to Auditorium Stage Off Arts Extended Learning Area
Classroom Storage	8 FT long built-in counters/cabinets with storage above and below
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Pyramidal ceiling clouds for acoustical variation Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Carpet squares
Display	Multiple magnetic whiteboards (wall-to-wall) with music staves Rolling whiteboards Bulletin boards
Student Furniture	Wenger performer chairs One (1) Walter Grand Piano with moving dolly attached One (1) set of Choral Risers with wheels with back safety racks
Teacher Furniture	Teacher desk and chair Lateral/vertical file cabinet
Other Furniture	Vertical files for music storage Countertop printer Electronic keyboard on stand
Special Needs/Equipment	Double doors Acoustical wall treatments

Classroom Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system Stereo and speaker system Recording equipment built in to classroom for assessment purposes
Plumbing	(1) deep sink for instrument cleaning Drinking fountain

MUSIC - STORAGE SPACES	
Proposed SF: Varies, see below	
Number: 8	
Access/Location	Adjacent to Instrumental/Band and Vocal Rooms
Spaces	Music Library/Storage: 200 SF Instrument Storage: 350 SF (3) Storage Closets: 150 SF Uniform Storage: 200 SF 2) Community Storage: 150 SF
Storage	Adjustable shelving
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting
Flooring	Resilient flooring
Furniture	Racks for uniform storage Individual Wenger storage lockers (with locks) for all instrument sizes Marching band cabinets for percussion equipment, color guard flags Multiple wall units designed to store sheet music

MUSIC - OFFICE	
Proposed SF: 120 SF	
Number: 1	
Access/Location	Adjacent to Band, Orchestra, Choral Rooms
Storage	Bookshelves Lockable teacher storage wardrobe/per teacher
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Carpet tile

Display	Magnetic whiteboard Bulletin boards
Furniture	Office systems workstations desks for four (4) teachers Four (4) office swivel chairs Two visitor chairs Two (2) lockable lateral file drawers per teacher
Technology	Power outlets: with USB charging modules Laptop computer at each workstation

MUSIC - ENSEMBLE ROOM	
Proposed SF: 200 SF	
Number: 1	
Student Count: 8	
Access/Location	Adjacent to Band, Orchestra, Choral Rooms
Classroom Storage	Built-in counters/cabinets with storage above and below
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Wall-to-wall carpeting
Display	Multiple magnetic whiteboards (wall-to-wall) with music staves Bulletin boards
Furniture	Eight (8) stacking student chairs Music stands
Classroom Technology	Multiple power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system Stereo and speaker system Recording equipment built in for assessment purposes

MUSIC - PRACTICE ROOMS	
Proposed SF: 60 SF	
Number: 8	
Student Count: 2	
Access/Location	Adjacent to Band, Orchestra, Choral Rooms
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Wall-to-wall carpeting
Display	White board
Furniture	Stacking student chairs Music stands
Classroom Technology	Multiple power outlets: with USB charging modules Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system Recording equipment

Performing Arts and Support Spaces

PERFORMANCE ARTS - AUDITORIUM	
Proposed SF: Seating: 8305 SF, Stage: 2400 SF, Orchestra Pit: 600 SF, Control Room: 100 SF	
Number: 1	
Seat Count: 825	
Space Concept: Provide seating arranged to support a variety of audience sizes and multiple types of performances. Provide high-quality variable acoustical environment and production support for music, conferences, lectures, and speakers, with projection.	
Access/Location	Adjacent to Music Rooms Adjacent to Auditorium Lobby: The lobby would include gallery areas for displaying student artwork and a concessions area for providing refreshments during performances in the auditorium and events in the gallery.
Spaces:	Stage: to accommodate 150 performers in chairs with music stands Stage fly space: for 40 line sets with appropriate catwalk for accessibility Control Room: connectivity to all built in lighting, video recording, and sound production within auditorium, green room, and music classrooms; storage for microphones and computers used in productions dedicated IDF for high speed data Lighting Catwalk(s): as required, (2) spiral stairs access
Ceiling/Lighting	Ceiling cloud structures adjustable for acoustics control

Flooring	Carpet at aisles and high density concrete flooring under seating
Furniture	Storage cages for large instruments (tympani, tuba, etc.)
Technology	Front or rear projection system with motorized screen Multicam video recording

PERFORMING ARTS - DRAMA OFFICE	
Proposed SF: 120 SF	
Number: 1	
Access/Location	Adjacent to Auditorium and Arts Extended Learning Area
Storage	Bookshelves Lockable teacher storage wardrobe/per teacher
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Carpet tile
Display	Magnetic whiteboard Bulletin boards
Furniture	Office systems workstations desks for four (4) teachers Four (4) office swivel chairs Two visitor chairs Two (2) lockable lateral file drawers per teacher
Technology	Power outlets: with USB charging modules Laptop computer at each workstation

PERFORMANCE ARTS - STORAGE SPACES	
Proposed SF: Varies, see below	
Number: 4	
Access/Location	Adjacent to Auditorium
Spaces:	Scene Shop Storage: 1200 SF Costume Room: 200 SF General Storage: 400 SF Community Storage: 400 SF
Storage	Adjustable metal shelving, 18" and 24" deep on one wall of each room
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting
Flooring	Resilient flooring
Furniture	Costume Storage & Community Storage: Racks for clothing storage Scene Shop Storage: Racks for flats, work table, cabinets for paints
Technology	Power outlets: with USB charging modules Integrated public address system

Career Technical Education and Support Spaces

CAREER TECHNICAL EDUCATION - CULINARY ARTS	
Proposed SF: 2500 SF in lab; 300 SF in Storage Room	
Number: 1	
Student Count:	
Space Concept: The lab should be designed as a commercial kitchen with appropriate storage for dry goods, refrigerated foods and frozen foods. The space must be flexible to accommodate a foods program.	
Access/Location	Strategically located near Food Service Kitchen, Loading Dock, Student Entry Lobby and Cafeterias Storage Room to be accessed from Culinary Lab
Classroom Storage	Learning stations
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Washable acoustical ceilings Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Washable flooring
Display	Multiple magnetic whiteboards (wall-to-wall) Rolling whiteboards Bulletin boards
Student Furniture	Portable equipment carts
Teacher Furniture	Teacher desk and chair Lateral/vertical file cabinet
Other Furniture	Flag bracket & flag
Special Needs/Equipment	Fire extinguisher & suppression Commercial kitchen equipment Exhaust hoods Washer/dryer
Classroom Technology	Power outlets: with USB charging modules (wall and at every station) Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system Document Camera
Plumbing	Sinks at all stations Dishwasher Hand Washing Sinks

CAREER TECHNICAL EDUCATION - METAL/WOOD SHOP	
Proposed SF: 2500 SF in Lab, 240 SF in Storage Room, 150 SF in Finishing Room	
Number: 1	
Student Count:	
Space Concept: The Lab must be designed to contain adequate work spaces, benches, and tools and sufficient numbers of tools and equipment to provide for all students working at different functions during a class period. Zone wood area separate from metals area	
Access/Location	In Arts Small Learning Community Supplies access through roll-up/lift up door
Spaces:	Finishing Room: 150 SF
Classroom Storage	8 FT built-in base and overhead cabinets
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	High Open Ceilings Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Sealed Concrete
Display	Multiple magnetic whiteboards (wall-to-wall) on front and side walls Bulletin boards lining the back wall Closed deep display cases in corridors
Teacher Furniture	Storage for hand tools
Other Furniture	Metal racks for supply storage
Special Needs/Equipment	Power woodworking tools, including welder, plasma cutter, drill press, lathe Power metalworking tools, including table saw, drill press, drill press, lathe Hand tools Air compressor Spray booth Woodworking & Metalworking benches Demonstration bench Dust collection unit with all required accessories
Classroom Technology	Power outlets: with USB charging modules Recharging stations for cordless power tools Overhead electrical power cables Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system Document Camera
Plumbing	(1) Industrial tub sink (1) lavatory sink in base cabinet Eye wash and emergency shower

CAREER TECHNICAL EDUCATION - STORAGE	
Proposed SF: Varies see below	
Number: 4	
Space Concept:	Culinary Storage: 300 SF Metal/Wood Storage: 240 SF Finishing Room: 150 SF
Access/Location	Each adjacent to and accessed from related Lab
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting
Flooring	Same flooring as related Lab
Furniture	Secure storage cabinet Adjustable shelving 6 shelves high each space, 18" & 24" deep
Special Needs/Equipment	Paint spray equipment in Finishing Room powered with air from compressor in Metal/Wood Lab
Technology	Power outlets: with USB charging modules Integrated public address system

Physical Education and Support Spaces

PHYSICAL EDUCATION SPACES - GYMNASIUM	
Proposed SF: 21,600 SF	
Number:1	
Space Concept: The individuals using the space include the students, teachers, volunteers, and the community. The Field House should maximize flexibility and provide adequate seating for local, regional and state-wide competitions. One high school competition main basketball court (50'x84') Three cross courts (42'x84' as well). One (3) lane 1/11th mile track. The main court should be separate from the other courts.	
Access/Location	Secure controlled access from the Public Lobby entrance, able to be sectioned off from the rest of the school. Located near the Physical Education/Athletics support spaces.
Ceiling/Lighting	Open ceiling painted with acoustical deck and suspended acoustical panels/clouds Ceiling mounted air destratification fans Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Synthetic sports flooring with essential markings

Special Needs/Equipment	Removable protective matting Rolling, telescoping bleachers, seats should not overlap the track Roll-up vinyl mesh divider or mechanically operated divider curtains to separate activity areas, including basketball, track, baseball hitting practice Provision for floor scansions for volleyball and other sports. Ropes, nets, rock climbing wall, basketball hoops, drop down batting cage Wrestling mat lift for suspended ceiling storage
Technology	Power outlets: with USB charging modules Automatic overhead projection screen Electronic scoreboards Access to power and data in the floor Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system
Plumbing	Drinking fountains with bottle fillers

PHYSICAL EDUCATION SPACES - TRAINING ROOM/FITNESS CENTER	
Proposed SF: 1000 SF including Office	
Number: 1	
Space Concept: The fitness center should be designed for an integrated approach to technology and flexibility	
Access/Location	Secure controlled access from the Public Lobby entrance, able to be sectioned off from the rest of the school. Located near the Physical Education/Athletics support spaces.
Ceiling/Lighting	Open ceiling painted with acoustical deck and suspended acoustical panels/clouds Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Rubber flooring
Display	Magnetic whiteboards Bulletin boards
Furniture	Office systems desk Swivel office chair Two visitor chairs Lockable storage/wardrobe
Special Needs/Equipment	Standard cardio equipment; treadmills, ellipticals, rowers, weight machines Wall Mirrors

Technology	Power outlets: with USB charging modules Adequate electrical supply for aerobic equipment Access to power and data in the floor Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system
Plumbing	Drinking fountains with bottle fillers

PHYSICAL EDUCATION SPACES - WEIGHT ROOM	
Proposed SF: 1000 SF	
Number: 1	
Space Concept: The fitness center should be designed for an integrated approach to technology and flexibility	
Access/Location	Secure controlled access from the Public Lobby entrance, able to be sectioned off from the rest of the school. Located near the Physical Education/Athletics support spaces.
Ceiling/Lighting	Open ceiling painted with acoustical deck and suspended acoustical panels/clouds Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Rubber flooring
Display	Magnetic whiteboards Bulletin boards
Furniture	Teacher desk Lockable storage/wardrobe
Special Needs/Equipment	Standard free weights and weight machines Wall Mirrors
Technology	Power outlets: with USB charging modules Access to power and data in the floor Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system
Plumbing	Drinking fountains with bottle fillers

PHYSICAL EDUCATION SPACES - DANCE/YOGA	
Proposed SF: 1000 SF	
Number: 1	
Access/Location	Secure controlled access from the Public Lobby entrance, able to be sectioned off from the rest of the school. Located near the Physical Education/Athletics support spaces.
Ceiling/Lighting	Open ceiling painted with acoustical deck and suspended acoustical panels/clouds Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Wood sports floor system
Display	Magnetic whiteboards Bulletin boards
Special Needs/Equipment	Wall Mirrors
Technology	Power outlets: with USB charging modules Adequate electrical supply for aerobic equipment Access to power and data in the floor Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system
Plumbing	Drinking fountains with bottle fillers

PHYSICAL EDUCATION SPACES - MULTI-USE PE ROOM	
Proposed SF: 2000 SF	
Number: 1	
Access/Location	Located near the Main Gym and Physical Education/Athletics support areas.
Ceiling/Lighting	Open ceiling painted with acoustical deck and suspended acoustical panels/clouds Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Athletic resilient flooring
Display	Magnetic whiteboards Bulletin boards
Special Needs/Equipment	Removable protective matting Wall padding on all perimeter walls. Wrestling mats

Technology	Power outlets: with USB charging modules Automatic overhead projection screen Electronic scoreboards Access to power and data in the floor Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system
Plumbing	Drinking fountains with bottle fillers

PHYSICAL EDUCATION - PHYSICAL HEALTH & JROTC CLASSROOMS	
Proposed SF: 960SF nominal size. See Space Compilation for exact size	
Number: 8	
Student Count: 25	
Space Concept: The classrooms should be designed for an integrated approach to technology and multiple furniture arrangements and flexible classroom configurations. The space should function as a general shared instructional space.	
Access/Location	In Physical Education/Athletics Small Learning Community
Classroom Storage	Display and bookshelves One wall of full height storage cabinets for learning materials and project storage, lockable Fixed cabinets and accessible work surfaces
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring
Display	Marker/whiteboard Tack board & display boards Projection screen/surfaces
Student Furniture	Modular rectangular tables with chairs to support up to 25 students Circular tables for small groups with chairs
Teacher Furniture	Teacher desk and chair Lateral/vertical file cabinet
Other Furniture	Flag bracket & flag
Special Needs/Equipment	Windows, glazed barn doors, garage doors, Nano-walls, or glazed sliding doors to Extended Learning Area

Classroom Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system
Plumbing	Deep sink in base cabinet

PHYSICAL EDUCATION SPACES - HEALTH LAB	
Proposed SF: 450 SF	
Number: 1	
Space Concept: Small group instruction and training in health professions. Clinic skills testing room. Room should be designed to provide for the privacy of testing.	
Access/Location	
Storage	Fixed cabinets and accessible work surfaces
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring
Display	Marker/whiteboard Tack board & display boards Projection screen/surfaces
Furniture	Hospital beds for teaching w/privacy curtains Overbed table – working controls to raise and lower with level surface with wheels to move (minimum of 1 per bed; 1 additional for NAE(s) preferred) Bedside cabinet (night stand)- must have 3-drawers or one drawer and 2-shelves
Special Needs/Equipment	Room shades/blinds Simulated Call light device (Designated device does not need to be operational; must be corded) Wheelchair with footrests and brakes Full-size Mannequin (female)
Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system
Plumbing	(1) sink

PHYSICAL EDUCATION SPACES - LOCKER ROOMS	
Proposed SF: 1600 SF nominal size (Flex Phys Ed/ Athletics) - 1850 SF Nominal size (Athletics) See Space Compilation for exact sizes	
Number: 4, 1 Boys and 1 Girls Flex PE/Athletics, and 1 Boys and 1 Girls Athletics	
Space Concept: Locker/Dressing area adjacent to Toilet/Shower Area, with access from corridor and from Coaches or PE Instructors Office	
Access/Location	Located central to all Physical Education program spaces, outdoor access
Storage	Flex PE/ Athletics Lockers Room: Small Lockers: 100+- 12" wide lockers and 650+- 12" X 12" half lockers Athletics Locker rooms: Large Lockers: 100+- 18" wide lockers and 400 18" X 18" full lockers
Ceiling/Lighting	Moisture proof acoustical tile ceilings with concealed splines, tamperproof
Flooring	Ceramic Tile flooring
Display	Marker Board, Bulletin Board
Technology	Overhead projector or flat screen in Athletics Locker Rooms
Plumbing	ADA compliant toilets ADA compliant sinks ADA compliant showers Drinking fountain

PHYSICAL EDUCATION SPACES - PE INSTRUCTOR/COACH TOILET/LOCKER ROOMS	
Proposed SF: 100 SF each	
Number: 4, 1 Boys and 1 Girls Flex PE/Athletics, and 1 Boys and 1 Girls Athletics	
Space Concept: Toilet/Locker/Dressing Room located between Teacher/Coach Office and related Locker Rooms	
Access/Location	Located central to all Physical Education program spaces
Storage	Twelve (12) street lockers Coat hooks
Ceiling/Lighting	Moisture proof acoustical tile ceilings with concealed splines, tamperproof
Flooring	Ceramic Tile flooring
Furniture	Marker Board Bulletin Board
Special Needs/Equipment	Mirror 3 FT long bench
Plumbing	Toilet, sink and 3 FT X 3 FT shower stall in each. The shower should be separate from toilet and sink so both can be used at the same time.

PHYSICAL EDUCATION SPACES - TRAINING ROOM	
Number: 1	
Proposed SF: 350 SF	
Access/Location	Adjacent to Team Locker Rooms
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Resilient Flooring
Display	Magnetic whiteboard Bulletin boards
Furniture	Office systems desk Swivel office chair Two visitor chairs Lockable storage/wardrobe Lockable lateral files Treatment table with removable mat and adjustable heights Laundry bins Rolling carts
Special Needs/Equipment	Ice Machine Refrigerator
Technology	Power outlets: with USB charging modules Laptop computer at each workstation
Plumbing	(1) sink

PHYSICAL EDUCATION - ATHLETIC DIRECTOR OFFICE	
Number: 1	
Proposed SF: 120 SF	
Access/Location	Adjacent to PE Instructor and Coach Offices
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Carpet tile
Display	Magnetic whiteboard Bulletin boards
Furniture	Office systems desk Swivel office chair Two visitor chairs Lockable storage/wardrobe Lockable lateral files One (1) large wall unit bookcase
Technology	Power outlets: with USB charging modules Laptop computer at each workstation

PHYSICAL EDUCATION - INSTRUCTOR AND ATHLETICS COACH OFFICES	
Number: (2) total; (1) PE Instructors, (1) Athletic Coaches	
Proposed SF: 300 SF	
Access/Location	Contiguous with Locker Rooms Staff Toilets/Showers contiguous
Storage	Bookshelves Lockable teacher storage wardrobes; one (1) for each teacher Lateral files for each teacher Secured storage for teacher materials
Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring
Display	Magnetic whiteboards Bulletin boards
Furniture	Built-in countertops or office systems desk components around perimeter of the room Swivel office chairs
Special Needs/Equipment	Kitchenette with sink and cabinetry Microwave Coffee maker Refrigerator
Technology	LCD projector or flat screen Network copier/printer/fax machine

PHYSICAL EDUCATION - TEACHER PLANNING AREA	
Proposed SF: 300 SF	
Number: 1	
Access/Location	In Physical Education area adjacent to offices
Storage	Cabinets for general office supplies
Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Carpet tile
Display	Whiteboard Bulletin board
Furniture	Conference table with seating for twelve (12) Credenza

Technology	Power outlets: with USB charging modules Interactive LED Panel Aux ports for plugging into display Printer
------------	---

PHYSICAL EDUCATION - EXTENDED LEARNING AREA	
Proposed SF: 150 SF	
Number: 1	
Access/Location	Central to the Physical Education learning area
Classroom Storage	Display and bookshelves that can be used as dividers to semi-isolate student collaboration areas
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring
Display	Walls should be functional work space and for showing student work. Marker/whiteboard Tack board & display boards Projection screen/surfaces
Furniture	Comfortable, movable, modular, gangable student furniture for informal small group collaborative work
Classroom Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system Aux ports for plugging into display

PHYSICAL EDUCATION - JROTC SUITE	
Proposed SF: varies see below and Space Compilation	
Number: 1	
Spaces:	JROTC Offices: (2) @ 180 SF JROTC Uniform Storage: 30 SF JROTC Supplies: 300 SF
Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Carpet tile

Display	Whiteboards Bulletin board
Furniture	Office systems desk per office Swivel office chair per office Seating for four (4) at conference table Two visitor chairs in other Offices Lockable storage/wardrobe Lockable lateral files One (1) large wall unit bookcase per office
Technology	Power outlets: with USB charging modules One (1) computer per work area Network copier

PHYSICAL EDUCATION - CONFERENCE ROOM	
Proposed SF: 150 sf	
Number: 4	
Access/Location	Adjacent to administrative offices
Lighting	Acoustical Tile Multi level direct/indirect lighting Task lighting
Flooring	Carpet tile
Display	Whiteboards Bulletin board
Furniture	Conference table Seating Credenza
Technology	Power outlets: with USB charging modules Polycom telephone Document Camera Interactive LED Panel Aux ports for plugging into display

PHYSICAL EDUCATION AND ATHLETICS - STORAGE	
Proposed SF: Varies see below	
Number: 12	
Space Concept:	Football Storage: 800 SF Main Gym Storage: 200 SF Auxiliary Gym Storage: 100 SF Freshman Gym Storage: 400 SF Athletics Storage: 900 SF Athletics Storage (access to outside): 900 SF Uniform Storage: 300 SF General Storage: (4) @ 100 SF Team Storage: 200 SF
Access/Location	Each adjacent to related gymnasium areas
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting
Flooring	Same flooring as related space
Furniture	Secure storage cabinet Specialty gym equipment storage (mats, balls, sports equipment etc.) Adjustable shelving 6 shelves high each space, 18" & 24" deep
Technology	Power outlets: with USB charging modules Integrated public address system

Student Dining, Kitchen and Support Spaces

STUDENT DINING SPACES - CAFETERIA, STAFF DINING & TABLE STORAGE	
Proposed SF: Cafeteria: 13,930 SF Nominal size. See Space Compilation for exact size. Staff Dining: 1200 SF. Table Storage: 600 SF	
Number: 1, subdividable in two equal parts by a panelized acoustical folding wall	
Seat Count: Cafeteria: 410 per side, 820 total; Staff Dining: 60	
Space Concept: Provide seating arranged to support a variety of audience sizes and multiple types of performances. Provide high-quality variable acoustical environment and production support for music, conferences, lectures, and speakers, with projection.	
Access/Location	Strategically located between Student Entry and secure academic areas of building to allow evening and weekend public use as well as daily student use.
Spaces:	Two equally sized dining spaces
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient flooring
Display	Bulletin boards Marker boards

Furniture	Variety of dining table sizes, from (2) to (8) seats, with flip-up table top for compact storage. Seats to be separate, stacking. Cafeteria, each side: 12 FT long base and overhead cabinets with lockable doors and drawers, with lockable microwave cabinet and residential kitchen sink Staff Dining: 12 FT long base and overhead cabinets with doors and drawers, built-in microwave, residential kitchen sink
Special Needs/Equipment	Cafeteria, each side: Microwave Staff Dining: T(2) 30 IN wide refrigerators, electric cooktop, built-in microwave Table Storage: double 36 In doors, out swinging
Technology	Front projection system with motorized screen Multicam video recording Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Sufficient electrical outlets Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system
Plumbing	Drinking fountains

FOOD SERVICE KITCHEN	
Proposed SF: 8,950 SF total suite nominal. See Space Compilation for exact sizes.	
Number: Suite of spaces; see below	
Space Concept: Commercial kitchen with appropriate storage for dry goods, refrigerated foods and frozen foods. Servery to be designed as a “fre-flow” and open landscape arrangement to allow for patron self-service.	
Access/Location	Strategically located between Cafeteria and Loading Dock
Spaces	Preparation Area: 3140 SF Serving Area: 2,960 SF Dry Foods Storage: 960 SF Cooler/Freezer: 875 SF Ware Washing: 785 SF Dietician Office: 75 SF Restroom/Locker Room: 140 SF
Ceiling/Lighting	Washable moisture resistant acoustical ceilings Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Washable non-skid flooring
Display	Multiple magnetic whiteboards Bulletin boards
Furniture	Office: Two systems workstations with swivel office chairs, (2) five drawer vertical file cabinets, safe

Special Needs/Equipment	Fire extinguisher & suppression Commercial kitchen equipment Walk in refrigerators and freezers with back-up generator power Exhaust hoods Washer/dryer
Technology	Power outlets Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system Network drop for cashier stations
Plumbing	Sinks at all stations Dishwasher Hand Washing Sinks Floor drains Eyewash/drench shower located within proximity to the cooking and ware areas

CUSTODIAL - WORKROOM, BREAK ROOM & OFFICE	
Proposed SF: varied, see below	
Number: 3 total	
Space Concept: Provide seating arranged to support a variety of audience sizes and multiple types of performances. Provide high-quality variable acoustical environment and production support for music, conferences, lectures, and speakers, with projection.	
Access/Location	Central Custodial area
Spaces:	Workroom: 1,000 SF Break Room: 200 SF Custodial Office: 100 SF
Ceiling/Lighting	Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Concrete, Resilient flooring
Display	Bulletin boards Marker boards
Furniture	Workroom: 12 FT long workbench, adjustable metal storage racks Break Room: 8 FT base and overhead cabinets, dining table and chairs for eight (8) Custodial Office: One (1) office systems workstation, office swivel chair, two (2) visitor chairs
Special Needs/Equipment	Break Room: Built-in microwave, cooktop, refrigerator
Technology	Power outlets: with USB charging modules One (1) computer per work area Security "panic" button Network copier/printer
Plumbing	Residential sink in Break Room

BUILDING SERVICES - LARGE GROUP RESTROOMS	
Proposed SF: Varied, as appropriate for location	
Number: As appropriate for location	
Space Concept: Student and public use multiple user Restrooms, designated male and female but designed to be gender-neutral and anti-bullying	
Access/Location	Strategically located
Spaces	Plumbing fixture count determined by plumbing codes
Ceiling/Lighting	Washable moisture-resistant vandal-resistant acoustical ceilings Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Washable non-skid flooring
Special Needs/Equipment	ADA accessible Vandal-resistant toilet partitions with gender-neutral and anti-bullying design Mirrors
Technology	Ceiling mounted speakers Integrated public address system
Plumbing	Toilets, lavatories Floor drains

BUILDING SERVICES - CUSTODIAL & ELECTRICAL CLOSETS	
Proposed SF: Multiple, varied types and sizes	
Number: See below	
Space Concept: Strategically located service spaces	
Access/Location	Distributed throughout the building
Spaces	Custodial Closets: 50 SF each, (16) total Electrical Closets: 50 SF each, (10) total
Ceiling/Lighting	Washable moisture resistant acoustical ceilings Utility-grade LED lighting fixtures
Flooring	Washable non-skid flooring
Equipment	Custodial Closets: Metal adjustable shelving unit
Technology	Power outlets Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system
Plumbing	Custodial Closets: Mop sink Floor drains

Natorium and Support Spaces

NATATORIUM - MAIN POOL, DECK & BLEACHERS	
Proposed SF: see below	
Number: 1	
Spaces:	Main Pool - 25 yds x 50 meters @ 12,304 SF Deck - 10 ft. side + 15 ft. ends @ 6,422 SF Bleachers - 1/4 student enrollment @ 6,235 SF
Space Concept: Competition sized swimming pool able to be used by public members of all ages	
Access/Location	Direct access from the Main Public Lobby
Ceiling/Lighting	Open ceiling painted with acoustical deck and suspended acoustical panels/clouds Ceiling mounted air destratification fans Lighting should be placed over the deck (not over the water) so that fixtures can be maintained easily. Use diffuse light systems, with the light bounced off walls or ceilings to create clear light without shadows or glare. Easy-to-use control system that allows for the lights to be raised and dimmed
Flooring	Ceramic tile, non-slip surface
Special Needs/Equipment	Acoustical wall and ceiling treatments. High and low diving boards Lane divider floats Starting platforms
Technology	Power outlets: with USB charging modules Electronic scoreboards Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system
Plumbing	Drinking fountains with bottle fillers

NATATORIUM - LOCKER ROOMS, TOILETS, SHOWERS	
Proposed SF: see below	
Spaces:	(2) Locker Rooms - (1) Boy and (1) Girl @ 400 SF each (2) Toilets - (1) Boy and (1) Girl @ 200 SF each (1) Staff Shower @ 80 SF
Space Concept: Locker/Dressing area adjacent to Toilet/Shower Area, with access from corridor	
Access/Location	Located central to Main Pool

Storage	Pool Locker Rooms: Lockers: 25+- 12" wide lockers, 3' high, and 75+- 12" X 12" cubbie lockers
Ceiling/Lighting	Moisture proof acoustical tile ceilings with concealed splines, tamperproof
Flooring	Ceramic Tile flooring
Display	Marker Board, Bulletin Board
Furniture	Built-in benches in plan similar to Locker Rooms at Field House
Special Needs/Equipment	Water and chemically resistant materials and fittings in all equipment
Technology	Overhead projector or flat screen in Athletics Locker Rooms
Plumbing	ADA compliant toilets ADA compliant sinks ADA compliant showers Drinking fountain

NATATORIUM- TRAINING ROOM/FITNESS CENTER	
Proposed SF: 2800 SF including Training Room	
Number: 1	
Space Concept: The fitness center should be designed for an integrated approach to technology and flexibility	
Access/Location	Secure controlled access from the Public Lobby entrance to the Natatorium, able to be sectioned off from the rest of the school.
Ceiling/Lighting	Open ceiling painted with acoustical deck and suspended acoustical panels/clouds Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Rubber flooring
Display	Magnetic whiteboards Bulletin boards
Furniture	Office systems desk Swivel office chair Two visitor chairs Lockable storage/wardrobe Training benches
Special Needs/Equipment	Standard cardio equipment; treadmills, ellipticals, rowers, weight machines Wall Mirrors

Technology	Power outlets: with USB charging modules Adequate electrical supply for aerobic equipment Access to power and data in the floor Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system
Plumbing	Drinking fountains with bottle fillers

NATATORIUM - CLASSROOMS	
Proposed SF: 900 SF nominal size. See Space Compilation for exact size	
Number: 1	
Student Count: 25	
Space Concept: The classrooms should be designed for an integrated approach to technology and multiple furniture arrangements and flexible classroom configurations. The space should function as a general shared instructional space.	
Access/Location	Adjacent to Extended Learning Areas
Classroom Storage	Display and bookshelves Storage cabinets for learning materials and project storage, lockable Fixed cabinets and accessible work surfaces
Teacher Storage	Tall wardrobe/storage cabinet, lockable
Ceiling/Lighting	Moisture resistant Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Resilient Flooring
Display	Marker/whiteboard Tack board & display boards Projection screen/surfaces
Student Furniture	Modular rectangular tables with chairs to support up to 25 students Circular tables for small groups with chairs
Teacher Furniture	Teacher desk and chair Lateral/vertical file cabinet
Other Furniture	Flag bracket & flag
Special Needs/Equipment	Windows to other related spaces
Classroom Technology	Power outlets: with USB charging modules Interactive Whiteboard/ LED Panel Voice, video and data ports Ceiling mounted speakers Wireless & hard-wired network Integrated public address system

NATATORIUM - MULTI-PURPOSE ROOM	
Proposed SF: 1500 SF nominal size. See Space compilation for exact size	
Number:1	
Space Concept: Flexible space near Natatorium and public access to support a variety of physical movement and public meeting uses.	
Access/Location	Secure controlled access from the Public Lobby entrance, able to be sectioned off from the rest of the school. Located near the Physical Education/Athletics support spaces.
Ceiling/Lighting	Moisture resistant Acoustical Tile Multi level direct/indirect lighting, daylight sensors, variable light level switching, addressable.
Flooring	Synthetic sports flooring
Display	Magnetic whiteboards Bulletin boards
Special Needs/Equipment	Wall Mirrors
Technology	Power outlets: with USB charging modules Adequate electrical supply for aerobic equipment Access to power and data in the floor Voice, video and data ports Ceiling mounted speakers Wireless & Hard-wired Network Integrated public address system
Plumbing	Drinking fountains with bottle fillers

NATATORIUM - STORAGE	
Proposed SF: Varies see below	
Number: 3	
Spaces:	General Storage: 200 SF Pool Equipment Room: 500 SF Chemical Storage Room: 500 SF
Access/Location	Each adjacent to related Natatorium areas
Ceiling/Lighting	Moisture resistant Acoustical Tile Multi level direct/indirect lighting
Flooring	Same flooring as related space
Furniture	Secure storage cabinet Chemical storage cabinets Specialty pool equipment storage (line dividers, floats, kick boards etc.) Adjustable shelving 6 shelves high each space, 18" & 24" deep
Technology	Power outlets: with USB charging modules Integrated public address system

Section VII: Building Systems

Statement of Need

The impact of our aging facilities in Stamford came to a head in the summer and fall of 2018 when 11 out of our 21 buildings experienced water intrusion issues, related mold impacted materials, and indoor air quality concerns. Specific Westhill issues included mold impacted building materials, indoor air quality concerns, and major water intrusion items related to leaky roofs, windows, doorways, and exterior facade. The City of Stamford bonded \$55,000,000 between 2020-2021 to ensure that our school buildings were safe for our students and staff to occupy in the short term. Approximately \$2,800,000 of the \$55,000,000 was invested in Westhill to remediate mold impacted building materials and improve indoor air quality. Improving indoor air quality was achieved by retro-commissioning the existing 1970 air handlers and unit ventilators, identifying deficiencies, and conducting repairs to return to the equipment to the standards of their construction date. A result of the indoor air quality improvements was the identification that Westhill operates on pneumatic Heating, Ventilation, and Air Conditioning (HVAC) controls, which are antiquated and provide very poor control of the existing HVAC systems. In September of 2020, SPS spent approximately \$600,000 of Covid Relief Funds (CRF) to replace pneumatic damper valves and actuators with direct digital controls in order to improve control of the fresh air associated with the unit ventilators in 85 classrooms. The work did not address pneumatic heating valves and actuators, which remain pneumatic, nor did it address pneumatic damper valves and actuators on the air handlers.

Proposed

- a. **Technology:** It is intended that access to technology (voice, video, data) will be seamless and pervasive throughout the facility. Wireless access points will be supplemented by the wired network. All spaces indicated in the standards to have hard wired connectivity will be provided with raceways for the appropriate transmission media. The cost of installing such media, required routing hardware and terminations will be included in the project budget.
- b. **Public Address:** The building public address system will be comprehensive, and the infrastructure installed with the building. It will be completed as part of the technology component of the project and will incorporate internal building communications as well as external communications. Concurrently, the systems for the phones, clocks, and data/voice/video will be developed. The type and capacity of the system will be

determined through the integration of the Standards and the School Safety Infrastructure Criteria.

- c. **Phone System:** A comprehensive voice-over-internet phone system will be integrated with the technology component of the project, and phones will be installed throughout the facility. All support and instructional spaces will be included. The type and capacity of the system will be determined through the integration of the School Safety Infrastructure Standards.
- d. **Clock and Bell System:** The clock and bell system will serve all support and instructional spaces. To be determined through coordination with the Technology plan, these requirements may be incorporated as a feature of another building system, such as the phone or public address system.
- e. **Fire Alarm:** An addressable fire alarm system providing coverage will be installed. Communications to Areas of Rescue Assistance will be included as required.
- f. **Security Systems:** An electronic security system will be installed in the school, including cameras and state of the art entry security. The school will be designed to prevent access to instructional areas of the school when community events take place during non-school hours.

Section VIII: Interior Building Environment

Statement of Need

In addition to water intrusion issues and indoor air quality concerns, Westhill has other deficiencies which are not easily correctable such as inefficient exterior walls not meeting current energy codes, inadequate site logistics for student and bus pick up/drop off and traffic circulation, a main office which does not provide adequate sightlines to the main entrance, and an expansive building layout which makes traversing the building difficult due to multiple elevators and ramps. The most pressing deficiencies are related to security concerns. In addition to the main office being located within the building and not promoting appropriate sightlines, Westhill has a Vocational Agriculture building that is separate from the main building requiring students and staff to transverse an unsecured courtyard when moving between buildings. Furthermore, relating to studies supporting natural day light and educational spaces, there are approximately 25 classrooms without natural light.

Proposed

- a. **Indoor and Outdoor Learning Environments:** The new school will be designed for a secure, inviting, and obvious main entry, focusing all vehicles and visitors to the main entry with an adjacent “visible” and secure administration space. The classrooms will be predominately enclosed (not open plan) allowing for window access to daylight in each classroom space. The classroom will be reconfigured to allow for learning spaces and STEM programs.
- b. **Accessibility:** The entire facility will be accessible for all students, staff, and visitors. This will be accomplished through judicious use of ramping and elevators where necessary, sufficient internal clearances for circulation, convenient bus/van loading and unloading, and nearby handicapped parking spaces. All elements of the Americans with Disabilities Act must be complied with, including way finding and signage, appropriate use of textures, and universal accessibility of all indoor and outdoor school facilities.
- c. **The Learning Environment:** The design of the school will be student-centered and designed for “hands- on learning, promoting student autonomy and independence. Space for active participation will be incorporated, with classrooms providing opportunities for integrating disciplines and easy access to tools of exploration. The outdoor site will serve as a pro-active learning environment as well.
- d. **Acoustics:** Generally, suspended acoustical ceiling systems will be installed throughout the building. Classroom and corridor walls are to be constructed of materials providing acoustical separation. In specialized areas, additional acoustical treatments will be installed. Carpet flooring use will be minimized, due to environmental concerns. These efforts will be guided by the Acoustical Standards required in accordance with State Statute Section 10-285g.
- e. **Lighting:** The lighting system will consist of energy efficient LED luminaries throughout all interior areas. A digital networked lighting control system will be used in conjunction with vacancy sensors and photocells to provide controls, including occupancy, daylighting and local low voltage dimmer switches. The digital system will also control exterior lighting. Coordination with utility company will be performed to assure best incentives for systems provided for the project.

- f. **Heating, Ventilation, and Air Conditioning (HVAC):** The facility will be designed to meet and exceed the requirements of CT High Performance Building Standards. It will be heated and air conditioned. Heating plant will consist of high efficiency condensing boilers and associated pumps. Hydronic heating piping will be distributed throughout the school to various terminal units. Air conditioning system will require further analysis to accommodate existing space constraints, so the systems may range from chillers, integral DX system, VRF. etc.

At a minimum the following basic energy performance strategies will be reviewed:

1. Air side economizers
 2. Water side economizers
 3. Building diversity
 4. Part load performance
 5. Heat/energy recovery
- g. **Building Automation System (BAS):** New digital Building Automation System (BAS) will be provided. The BAS will be comprised of devices such as control equipment for HVAC systems and components, including those for terminal heating and cooling units, thermostats, timers, sensors, control valves, wiring systems used as signal pathways for high-speed data transmission, etc. necessary to operate the total system.
 - h. **Fire Protection:** The completed facility will feature a full automatic sprinkler system. Special extinguishing systems will be employed at kitchen equipment locations where required by code. Portable fire extinguishers will be provided in accordance with fire codes.
 - i. **Plumbing:** All plumbing will comply with current codes and will seek to minimize water usage.
 - j. **Windows/Doors:** Windows will be energy efficient and low maintenance and will allow for natural ventilation. Energy efficient, thermally broken systems will be installed throughout the exterior. Integrated room numbering will be provided at one window in each room for security identification from the exterior of the building. Classrooms will be provided with glazing or door-mounted vision panels to promote security. Rated doors will be installed in accordance with fire code. All door locks will be keyed to a building master as well as a District-Wide grand master keying system. Principles of the School

Safety Infrastructure Criteria will be adopted throughout the design effort to enhance these traditional, baseline features.

- k. **Energy and Environmental Plan:** Per State of Connecticut requirements for public school construction the project will be designed to exceed CT High Performance Building standards, and will include features that minimize EUI (Energy Use Intensity). The sustainable initiatives for the project would include passive design strategies including the best solar orientation, building thermal mass, providing a well-insulated envelope, maximizing daylight and views, connecting to the outdoors, minimizing the layering of finish materials, and designing for ease of maintenance.

Renewable energy sources to be considered include, but are not limited to, geothermal systems, earth ducts, ice storage, co-generation, wind generation, photo-voltaic solar collectors, greywater harvesting, solar hot water evacuated collectors, condensing boilers, energy efficient lighting, access to daylight in occupied spaces, enhanced storm water strategies, and water conserving systems. The building committee, along with the design team, will analyze the viability of these strategies based on energy efficiency (by using energy modeling to analyze options), constraints of the site, budget limitations, and the overall application in the design.

Section IX: Site Development

The site design for Westhill High School will focus on site utilities, site lighting, parking, traffic flow and athletic fields. As the building is being located on the existing site, some of the existing athletic competition turf field, track, and tennis courts will not be impacted.

- a. **Site Acquisition:** Not applicable to this project.
- b. **Safety and Security:** There is a high interest in maintaining an inviting and deinstitutionalized environment, while simultaneously providing a safe environment for students, staff, and community who use the facility and adjacent support services. The organization of a building will have a major impact on student behavior and safety concerns. Building security can be addressed in an active or a passive manner: active security is based on security systems; passive security is based on program design, building configuration, and community participation. Schools should be based on passive concepts with applied active concepts where necessary. Principles of the School Safety Infrastructure Criteria will be adopted throughout the design effort.

- c. **Parking:** The parking will be organized into zones for visitors, staff, student and faculty. Handicapped parking will be dispersed and an accessible route to the building will be incorporated into the design.
- d. **Traffic Flow:** The site design for New Fairfield High School will result in an approach that separates bus and car traffic and provides a designated bus loop and parent drop-off circulation minimizing any crossover. Designated parking for teachers and staff will limit student parking zones for minimal interaction with parent and bus traffic. Loading zones will be provided.
- e. **Walkways:** Curb ramps and walks will be provided in compliance with ADA. Walks will be connected to neighborhood sidewalk systems to encourage nearby students to walk to school and will be configured with pedestrian safety in mind.
- f. **Playfields:** New playfields will be provided that are in conformance with National Federation of State High School Associations (NFHS) guidelines and ASTM standards. All playfields and their associated amenities will be accessible to students and spectators. If the site area allows, play fields will not overlap each other.
- g. **Landscaping:** Landscaping work will be limited and will be designed so that irrigation is not required and maintenance will be reduced. Plantings will be designed so that site security is maintained, and potential hiding spaces are avoided.
- h. **Other Site Improvements:** As appropriate to the final new building/addition configuration, the principles of the School Safety Infrastructure Criteria will be adopted throughout the design effort. Improvements will include fencing for student safety and site security as determined by the safety assessment.

Section X: Priority List & Construction Bonus Requests

Based on the condition of the existing facility, which includes water intrusion issues, related mold impacted materials, indoor air quality concerns, energy efficiency, accessibility concerns, security concerns, and spaces that limit the delivery of 21st century learning, the project should be assigned a Priority "A" status approval. Additionally, in order to accommodate high performance building systems, space standard consideration to accommodate a heating, ventilation or air conditioning system is requested.

Section XI: Community Uses

Westhill High School is a true community facility. Although education is the primary use, community events in the gymnasium, commons, athletic field and auditorium are extensive. The new facility will be designed to accommodate educational use during the school hours. There will be no non-student activities during the school day. However, it is imperative that the planning and development of the Westhill High School project to take into consideration how the community will use the facility after school hours.

Planning concepts for after hour community use should include, but not be limited to, the following:

- The new gymnasium and auditorium spaces must facilitate the movement from the parking areas during educational and community events, providing direct access from the parking areas.
- A large gathering area must serve as pre-function space for users prior to and exiting a sports or theater event
- The theater and support functions must be available for community groups without compromising the security of the overall facility.

The future Westhill facility is planned for extensive community use while maintaining security for students and educators. Functions needed for daily school use have been planned to welcome the community during after school hours and weekends. Among the concepts and planning features that support this are:

- Overall building zoned with certain areas designated as flexible for community use, with all proper security measures to control movement from these to other parts of the building
- Two entrances, one intended as the primary public use entry serving auditorium, swimming pool and field house as well as the main office, guidance, and health suites, and a second entrance, primarily for student arrivals/exiting, with direct access to the cafeteria and the agriscience building
- Cafeteria designed as two separate spaces for daily student use, able to be opened into a single space for large public meetings, similar to flexible conferencing spaces in a hotel
- Physical Education/athletics spaces designed to invite the community:
 - A field house with three basketball courts and indoor track, in lieu of separate gymnasiums with no track, to allow Westhill to be the competitive venue for

other Stamford Public Schools events, and a flexible space for community use, including walking for community members on weekends

- Auxiliary activity spaces including fitness, dance/yoga, and weight rooms located for easy community access from the public lobby
- Visual and performing arts teaching and learning spaces designed for community use after school, achieved through clustering these specialty learning spaces as a small learning community with direct access from the public lobby, and secured the rest of the academic areas by control doors and direct outside exits
- Swimming pool as a self-contained suite of spaces with direct access from the public entry
- Guidance suite strategically placed off the student entry to graciously receive parents coming to the school for conferences
- Special Education IEP conferencing room located in main office suite to facilitate secure access separate from the rest of the building

Proposed Program - 5000 Compilation of Space

State Project No.:
 LEA: Stamford
 School Name: Westhill High School
 Date: June 2021

Connecticut School
 Construction
 Standards and Guidelines
 5000 Compilation of Space

Academic Core Spaces (AC) - Net Square Feet		Academic Core Spaces - Net SF		
Diagram Number	Space Description	Proposed SF		
		Qty	SF	Area
Instructional Areas				
E-AC-2	ES Classrooms - Grades 1-5	0	900	0
M-AC-1	MS Classrooms - Grades 6-8	0	900	0
H-AC-1	HS Core Classrooms - Grades 9-12-incl WL	57	870	49,590
	Reduce General Classrooms by 4 to correlate with 4 STEM/ Maker Spaces counted as core w/ furniture for general project Classroom use on opening day			
	EL Classroom	5	870	4,350
H-AC-2	Science Classroom - General/Physics	17	1,165	19,805
H-AC-2	Science Classroom - Chemistry	5	1,165	5,825
H-AC-2	Science Classroom - Biology	0	1,165	0
	Small Auditorium	0	1,165	0
E/M/H-AC-3	Applications Lab/Large Classroom 1 per SLC	8	970	7,760
E/M/H-AC-3	Applications Lab/STEM/Maker	4	1,165	4,660
	Open schools w/ infrastructure in 4 Labs, but furniture for general classroom use. These spaces counted as general core Classrooms; reduce General Classrooms in Academic Core by 9 X 900sf			
Total Instructional Areas		96.0		91,990
Support Areas				
	Extended Learning Areas	8	1,200	9,600
	Teacher Prep Workrm/Planng Ctr	8	500	4,000
	Phone Booth	8	35	280
	Private Offices	16	120	1,920
	Staff Restroom	16	60	960
	Instructional Material Storage	8	200	1,600

	Small Group Room	8	150	1,200
H-AC-4	Science Prep	11	300	3,300
Academic Core Total				114,850

Special Education Spaces (SE) - Net Square Feet		Special Education Spaces - Net SF		
Diagram Number	Space Description	Proposed SF		
		Qty	SF	Area
Instructional Areas - Not Counted in Total Instructional Space Count				
E/M/H-AC-1	Self-contained Classroom	0	870	0
	CORE, autism (was LEP)	3	870	2,610
	ASD, developmental	2	870	1,740
	Life Skills	0	870	0
	TEAM, medically fragile	1	870	870
E/M/H-SE-1	Spl Ed/Resource, 15 students, push in	13	450	5,850
E/M/H-AC-1	Small Self-contained Classroom	0	600	0
	OT/PT Room	1	450	450
	Nurse Office for medically fragile	1	450	450
	Storage	1	450	450
	Kitchen/Laundry Room	1	150	150
	TEAM Bathroom/Shower/Changing	1	150	150
	Extended Learning Area	1	500	500
	Sensory Room	1	200	200
	Testing Room	2	150	300
	Teacher Planning Center	1	200	200
	Private Office	1	120	120
	Confidential Phone Booth	2	35	70
	Secretary/ Reception	1	200	200
	IEP Conference Room See Admin below			
	Workroom/Conference	1	150	150
	Instructional Material Storage	2	200	400
	Secure Files	1	80	80
Special Education Total				14,940

Administration Spaces (AD) - Net Square Feet	Administration Spaces - Net SF
---	---------------------------------------

Diagram Number	Space Description	Proposed SF		
		Qty	SF	Area
	ADMINISTRATION			
	Reception Area	1	300	300
	Secretarial Area open office area	1	300	300
	Freshman House Secretary/ Assistant	1	150	150
	Freshman House Asst Principal's Off	1	120	120
	Conference Room Small	1	200	200
	Principal's Office	1	195	195
	Accounts Clerk closed office	1	120	120
	Data Processing closed office	1	120	120
	Dean of Students	1	120	120
	Asst Principal's Off	3	120	360
	Registrar open office area, locate at Frosh House	1	120	120
	Raynor Reception	0	200	0
	Raynor Offices	0	120	0
	Raynor Guidance	0	120	0
	Raynor Storage	0	120	0
E/M/H-AC-1	In-school Suspension/Student Support Center	1	900	900
	Conference Room IEPs, 15-20 seats	1	400	400
	Conference Room Small	2	200	400
	Mail/Work/Copy Room	1	300	300
	Kitchen	1	80	80
	Administration Storage	1	150	150
	Vault/Records Storage	1	80	80
	Restroom	4	60	240
	Visitor/Family Restroom	1	80	80
-	Parent/Volunteer Room	-	-	-
	School Store	1	200	200
	School Resource Officer	2	80	160
	Security Head Office	1	120	120
	Security Staff Room	1	300	300
	GUIDANCE			
	Guidance Secretary/Reception	1	200	200
	Guidance Counselor's Office	12	120	1,440
	Career Center/ Computer Room	1	900	900
	Psychologist	3	120	360
	Social Worker	3	120	360
	Speech/ Language Pathologist	2	120	240
	Itinerant Personnel Office	2	120	240
	Guidance Storage	1	150	150
	Conference Room Small	1	200	200
	Back Pack Program Pantry	1	120	120
	Restroom	2	60	120

	Visitor Restroom	1	60	60
	NURSE/CLINIC			
	Health Clinic (incl. RR) w/ 2 lie down cots	1	550	550
	Team Nurse w/Toilet	0	500	0
	Community Health Clinic (incl. RR)	1	550	550
	Community Dental	1	200	200
	Administration Total			11,205

Media Center Spaces (MC) - Net Square Feet		Media Center Spaces - Net SF		
Diagram Number	Space Description	Proposed SF		
		Qty	SF	Area
E/M/H-MC-1	Reading Room/Circulation - Note 1	1	8,729	8,729
	Multimedia Production Room	0	200	0
	Conference Room	0	200	0
	Media Specialist Office	1	120	120
	Workroom/Storage	1	400	400
	Staff Copy/Kitchette	0	150	0
	Staff Restroom	0	60	0
	Main Server Room [MS]	1	250	250
	IT Staff Office & Repair Center	1	200	200
	Media Center Total			9,699

Visual Arts Spaces (VA) - Net Square Feet		Visual Arts Spaces - Net SF		
Diagram Number	Space Description	Proposed SF		
		Qty	SF	Area
Instructional Areas				
E-VA-1	ES Art Room	0	1,200	0
M-VA-1	MS Art Room	0	1,400	0
H-VA-1	HS Art Room			
	005, Flex	1	1,200	1,200
	006, Flex 2d, 3D	1	1,000	1,000
	007, Flex	1	1,000	1,000
	008, Computer	1	1,200	1,200
	009, Computer	1	1,300	1,300
	010, Pottery & Ceramics	1	1,300	1,300
	011, Flex Jewelry & Metalsmith	1	1,300	1,300
	Darkroom Suite 1	1	750	750
-	Darkroom Suite 2	-	-	-
	Total Instructional Areas	8		9,050
Support Areas				
	Kiln/Ceramic Storage	1	400	400

	Art Material Storage	5	150	750
	Secure Teacher Storage	0	200	0
	Extended Learning Area	1	500	500
	Teacher Prep Workrm/Planng Ctr	1	500	500
	Phone Booth	1	35	35
	Private Offices	1	120	120
	Staff Restroom	2	60	120
	Visual Arts Total			11,475

Music Spaces (MU) - Net Square Feet		Music Spaces - Net SF		
Diagram Number	Space Description	Proposed SF		
		Qty	SF	Area
Instructional Areas				
H-MU-1	HS Instrumental/Band Room	1	1,500	1,500
	Observation Deck	0	400	0
M/H-MU-2	Vocal Room	1	1,200	1,200
	Stage area as part of Vocal room	1	400	400
	Digital Music Classroom			
Total Instructional Areas		3		3,100
Support Areas				
	Music Library/Storage	1	200	200
	Music Office	1	120	120
	Instrument Storage	1	350	350
	Storage Closets	3	150	450
	Uniform Storage	1	200	200
	Ensemble Room	1	200	200
	Practice Room	8	60	480
	Community Storage	2	150	300
	Extended Learning Area (see Art)			
Music Total				5,400

Performing Arts Spaces (PA)/ Auditorium - Net Square Feet		Performing Arts Spaces - Auditorium - Net SF		
Diag. No.	Space Description	Proposed SF		
		Qty	SF	Area
Instructional Areas				
H-PA-1	Auditorium - Note 1	1	8,305	8,305
H-PA-2	Orchestra "Pit"	1	600	600
	Drama Classroom	-	-	-
H-PA-3	Stage Area (includes Wings)	1	2,400	2,400
Total Instructional Areas		1		11,305
Support Areas				
	Scene Shop Storage	1	1,200	1,200

	Make-up/Dressing Room	0	200	0
	Green Room	0	200	0
	Costume Storage	1	200	200
	Storage	1	400	400
	Community Storage	1	400	400
	Control Room	1	100	100
	Lobby/Concessions/Gallery	0	100	0
	Ticket Booth	0	80	0
	Theater/Drama Office	1	120	120
Performing Arts Total				13,725

Career Technical Education Spaces (AC) - Net Square Feet		Career Technical Education Spaces - Net SF		
Diagram Number	Space Description	Proposed SF		
		Qty	SF	Area
Instructional Areas				
E/M/H-AC-4	Located in Core Academic. See above			
	Applications Lab/Trades	2	2,500	5,000
	1 Culinary Arts			
	1 Metal/Wood			
	Business in SLCs	10	870	8,700
Total Instructional Areas		12		13,700
Support Areas				
	Storage Culinary	1	300	300
	Storage Metal/Wood	1	240	240
	Finishing Room	1	120	120
Career Technical Total				14,360

Physical Education Spaces (PE) - Net Square Feet		Physical Education Spaces - Net SF		
Diagram Number	Space Description	Proposed SF		
		Qty	SF	Area
Instructional Areas				
H-PE-1	HS Gymnasium	1	12,000	12,000
H-PE-2	Auxiliary Gymnasium	0	7,000	0
	Add for Field House w/ Track	1	2,600	2,600
	Freshman Gym	1	7,000	7,000
	Training Room/ Fitness Center	1	1,000	1,000
	Weight Room	1	1,000	1,000
	Physical Health Classroom	6	930	5,580
	Health Lab	1	450	450
	JROTC	2	930	1,860
	Health/ Dance/ Yoga	1	1,000	1,000
	Multi-use P.E. Room/ Wrestling	1	2,000	2,000
Total Instructional Areas		16		34,490

Support Areas				
Student PE Locker Room				
Girls & Boys				
Flex PE+Ath 100 students each	2	1,856	3,712	
Student PE Restroom/Shower	2	352	704	
Student Athletics Locker Room				
Girls & Boys				
Flex Athletics 100 students each	2	1,608	3,216	
Student Athletics Restroom/Shower	4	352	1,408	
Physical Education Storage				
Football Storage	1	800	800	
Main Gym Storage	1	200	200	
Auxiliary Gym Storage	-	-	-	
Freshman Gym Storage	1	400	400	
Athletics Storage	1	900	900	
Outside Access Athletics Storage	1	900	900	
Uniform Storage	1	300	300	
Storage	4	100	400	
Team Storage	1	200	200	
Training Room	1	350	350	
Teacher Planning Center	1	300	300	
Extended Learning Area	1	500	500	
JROTC Offices	2	120	240	
JROTC Uniform Storage	1	30	30	
JROTC Supplies	1	300	300	
P.E./Athletic Offices				
PE Office, all gender	1	300	300	
Athletics Office, all gender	1	300	300	
Staff Toilet/ Shower/ Locker	8	100	800	
Athletic Director's Office	1	120	120	
Conference Room	1	150	150	
Shower	1	80	80	
Lobby Services	0	200	0	
Physical Education Total				51,100

Student Dining Spaces (SD) - Net Square Feet		Student Dining Spaces - Net SF		
Diagram Number	Space Description	Proposed SF		
		Qty	SF	Area
E/M/H-SD-1	Student Dining - Note 2	2	7,274	14,548
	Finch			
	Raynor			
E/M/H-SD-2	Stage	-	-	-
	Staff Dining	1	600	600
	Combined Dining/Performance			
	Scene Shop and Storage	0	450	0

	Make-up/Dressing Room	0	100	0
	Theatrical Control Room	0	100	0
	Drama Storage	0	200	0
	Table Storage	0	200	0
	Family Restroom	0	80	0
Student Dining Total				15,148

Food Service Spaces (FS) - Net Square Feet		Food Service Spaces - Net SF		
Diagram Number	Space Description	Proposed SF		
		Qty	SF	Area
	Warming Kitchen	0	0	0
E/M/H-FS-1	Kitchen			
E/M/H-FS-1	Preparation Area	1	3,142	3,142
E/M/H-FS-1	Serving Area	1	2,968	2,968
	Finch			
	Raynor			
E/M/H-FS-1	Dry Food Storage	1	960	960
E/M/H-FS-1	Cooler/Freezer	1	873	873
E/M/H-FS-1	Ware Washing	1	786	786
	Dietician Office	1	75	75
	Restroom/Locker Rm	1	140	140
Food Service Total				8,944

Custodial Spaces (CU) - Net Square Feet		Custodial Spaces - Net SF		
Diagram Number	Space Description	Proposed SF		
		Qty	SF	Area
	Workroom	1	1,000	1,000
	Break Room	1	200	200
	Custodial Office	1	100	100
Custodial Total				1,300

Building Services Spaces (BS) - Net Square Feet		Building Services Spaces - Net SF		
Diagram Number	Space Description	Proposed SF		
		Qty	SF	Area
E/M/H-BS-1	Large Group Restrooms	1	9,808	9,808
	Custodial Closet	16	50	800
	Electrical Closet	10	50	500
	Telecommunications Room (TR)	21	65	1,365
E/M/H-BS-2	Corridors	1	55,645	55,645
	Vertical Circulation	1	0	0
	Mechanical/Electrical Space/Decks	1	19,335	19,335
	Storage Area	1	200	200

	Equipment	1	750	750
	Supplies	1	1,000	1,000
	Central Storage Area	1	250	250
	Loading/Receiving Area	1	360	360
	Restroom/ Shower	1	100	100
	Recycling Room	1	100	100
	Garage	1	2,200	2,200
		0	100	0
Building Services Total				92,413

Total - Net Square Feet				364,559
Construction Factor			0.11	40,101
Total NGSF Programmed				404,660

Natatorium Spaces - Net Square Feet		Natatorium Spaces - Net SF		
Diag. No.	Space Description	Proposed SF		
		Qty	SF	Area
Instructional Areas				
	Main Pool - 25 yds x 50 meters	1	12,304	12,304
	Deck - 10 ft. side + 15 ft. ends	1	6,422	6,422
	Bleachers - 1/4 student enrollment	1	6,422	6,422
	Fitness Room	1	2,500	2,500
	Training Room	1	300	300
	Classroom	1	900	900
	Multi-use Room	1	1,500	1,500
Total Instructional Areas		3		30,347
Support Areas				
	Locker Rooms	2	400	800
	Restroom/Shower	2	200	400
	Storage	1	200	200
	Office	1	120	120
	Pool Equipment Room	1	500	500
	Chemical Storage Room	1	500	500
	Staff Shower	1	80	80
	Concessions	1	120	120
	Lobby Services	0	200	0
Natatorium Sub-Total				33,067

Building Services Spaces (BS) - Net Square Feet		Building Services Spaces - Net SF		
Diagram Number	Space Description	New SF		
		Qty	SF	Area
E/M/H-BS-1	Large Group Restrooms	0	1,157	0
	Custodial Closet	0	50	0
	Electrical Closet	0	50	0
	Telecommunications Room (TR)	0	64	0
E/M/H-BS-2	Corridors	0	6,613	0
	Vertical Circulation	0	0	0
	Mechanical/Electrical Space/Decks	0	2,282	0
	Storage Area	0	200	0
	Central Storage Area	0	250	0
	Loading/Receiving Area	0	120	0
	Restroom	0	60	0
	Recycling Room	0	100	0
Building Services Total				0

Natatorium Total NGSF Programmed				33,067
---	--	--	--	---------------

Note 1: Natatorium funding is based on a portion of the student enrollment. For more information contact Office of School Construction Grants and Review.

Subtotal - Net Square Feet				364,559
Construction Factor			0.11	40,101
Total Gross SF Programmed (inside face of exterior walls)				404,660
Natatorium Gross SF Programmed (inside face of exterior wall)				33,067
Total Gross SF of Facility with Natatorium (inside face of exterior walls)				437,727