

EDUCATIONAL SPECIFICATION

SUNCOAST HIGH SCHOOL

Grades 9 – 12

Modernization

Total Student Stations: 1,790

Utilization Factor: 95%

FISH Capacity: 1,700

Core Facilities: 1,800

Enrollment: 1,500



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August 2005

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NSF throughout document refers to Net Square Feet.

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INTRODUCTION

These Educational Specifications are intended for use as a planning guide by architects and others responsible for developing physical facilities in Palm Beach County. The general concept embodied in the specifications is to provide general and adequate details for proposed spaces while leaving ample flexibility for creativity and options in design by the architects.

Philosophy and Goals of the School Board of Palm Beach County (SBPBC) are provided as general directions for programs in the School District and are followed by a listing of General Considerations. The facility list is intended to be a summary of the spaces to be provided, but is sufficiently flexible to accommodate design requirements and compatibility with adjacent space.

Specifications for the various program areas include a common listing of informational categories within each of the areas. Specific information relative to each particular area is included under various headings as follows:

- I. Program Philosophy
- II. Program Goals
- III. Program Activities
- IV. Organizational Nomenclature
- V. Innovations, Experimental Ideas, Other Planned Uses
- VI. Justification for Variance from S.R.E.F.
- VII. Program Facilities List
- VIII. Program Furniture and Equipment
- IX. Special Considerations

The graphic representations of Space Relationships are intended only to establish adjacencies and not to set design. Spaces shall be arranged for the various program areas in a configuration compatible with traffic control, site needs and the following considerations:

1. Facilities shall be as functional as possible; that is, they shall be organized in a manner responsive to educational programming requirements in an orderly economical way.
2. Facilities shall be as responsive as possible to long-term maintenance goals. The architect shall endeavor to produce a product with the lowest possible life cycle cost.
3. Facilities shall be as vandal-resistant as is possible within realistic budget constraints.
4. Facilities shall be as aesthetically pleasing as possible, considering neighborhood, shape, materials, colors, etc.
5. Facilities shall be designed to provide adequate student movement (circulation) without unnecessary waste.

Special attention is directed to planning for community utilization of the plant and campus, maximum energy conservation and capital budget restraints.

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PHILOSOPHY AND GOALS**

I. PROGRAM PHILOSOPHY

The Board's philosophy is to provide an educational system which is instructionally sound and environmentally stimulating enough to attract and maintain high-quality professional, technical and administrative employees. This system is designed to earn the respect of Palm Beach County, the community, state and nation.

The Board believes that successful implementation of its philosophy is highly dependent upon a positive, active, working partnership which includes the Board, administrators, teachers, staff, students, parents, community, business and industry. For this reason, the support requirements for this project were developed by a participatory process involving committees of educators, the Department of Secondary and Career, and various departments of the School District of Palm Beach County.

II. PROGRAM GOALS

A. Student Goals - Students shall acquire, to the extent of their individual physical, mental and emotional capacities, a mastery of the basic skills required in the curriculum.

1. Communication and Learning Skills - All students shall be provided an opportunity to do the following:

- a. Develop and apply basic skills in reading, writing, speaking, viewing and listening.
- b. Gain a general education in broader fields of language arts, social studies, science, science, mathematics, humanities and vocational education.
- c. Develop a desire for learning.
- d. Develop a capacity for self-evaluation and self-direction.
- e. Examine, analyze, evaluate and utilize various kinds of information.

2. Human Relations - All students shall be provided an opportunity to do the following:

- a. Develop a pride of accomplishment and a feeling of self-worth.
- b. Learn to respect and get along with people.

3. Citizenship Education - All students shall be provided an opportunity to do the following:

- a. Develop good character and self-respect.

- b. Be responsible citizens.
 - c. Participate in democratic experiences and processes.
4. **Occupational Interests** - All students shall be provided an opportunity to do the following:
- a. Develop a positive attitude toward work.
 - b. Develop respect for the dignity of all occupations.
 - c. Acquire information needed for making appropriate job selections.
 - d. Develop the ability to use information as it relates to a particular vocation.
5. **Home and Family Relationships** - All students shall be provided an opportunity to do the following:
- a. Broaden an appreciation of the family as a social institution and as a basic unit of society.
 - b. Acquire skills and attitudes for management of family resources.
 - c. Acquire and understand the skills of family living.
6. **Mental and Physical Health** - All students shall be provided an opportunity to do the following:
- a. Develop good health habits and an understanding of the conditions necessary for maintenance of physical and emotional well being.
 - b. Acquire a knowledge of basic psychological and sociological factors affecting human behavior and mental health.
 - c. Develop competence for adjusting to changes.
 - d. Recognize and work to solve environmental health problems.
7. **Aesthetic and Cultural Appreciation** - All students shall be provided an opportunity to do the following:
- a. Develop an understanding and appreciation of human achievement in natural sciences, social sciences, humanities and the arts.
 - b. Broaden interests and prepare for productive use of leisure time.
 - c. Develop skills and creative abilities for self-expression.

B. Management Goals

1. **General Management** - The SDPBC shall refine, implement and utilize management practices which will provide the following:
 - a. Planning and evaluation programs which will ensure accurate and adequate information for decision-making.
 - b. Administrative procedures which ensure that program planning, budgeting and evaluation systems are integrated and cyclical in nature.
 - c. Information services that promote timely acquisition of accurate information regarding district policies, procedures and activities which fulfill the needs of the district and the public.
 - d. Administrative and Instructional support for "school-based management" procedures and techniques.
 - e. System-wide support services for functions, processes and programs.
 - f. Continuing development, refinement, implementation and evaluation of instructional materials, processes and components of the curriculum.
 - g. Flexible organizational structure which clearly defines and delineates authority, responsibility and accountability.
 - h. Fiscal integrity in budgeting and business affairs.

2. **Personnel Management** - The schools district will develop and maintain the following:
 - a. Practices and programs to recruit the best qualified personnel for all positions.
 - b. Programs to orient all employees properly to their job responsibilities, operation and organization of their units, and organization of the school system.
 - c. Staff Development Programs to update employees in their chosen fields and to enhance their professional and career growth.
 - d. Develop programs to teach administrators at all levels how to achieve excellence in managing people, including performance, planning, evaluation and counseling.
 - e. A system to identify high potential employees and their readiness status to qualify for higher career positions within the SDPBC.
 - f. Practices and programs to attain effective affirmative action.

- g. Practices and systems to establish realistic position descriptions for each level and equitable compensation for those levels.

Facility List by Areas

Suncoast High School

Grades 9 – 12

Modernization

Total Student Stations: 1,790

Utilization Factor: 95%

FISH Capacity: 1,700

Core Facilities: 1,800

Enrollment: 1,500

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
ADMINISTRATIVE						
1	Principal (50 NSF from conference room)	250		300		
4	Administrative Office		175	700		
1	Bookkeeper			125		
1	Principal's Secretary			158		
1	General Reception/Secretary (500 NSF to Dean's Recept; 50 NSF to Student Services Recept & 300 NSF to Admin Suites)			838		
1	Production/Workroom			720		
1	Conference (50 NSF to principal, 680 NSF to Media & 300 NSF to Student Services Conference)	1,260		230		
1	Administrative Storage (300 NSF to Academic House Storage/Vault & 200 to Student Service Storage)	900		350		
1	Records/Vault	540		540		
5	Dean's Office		175	875		
1	Dean's Reception (from general reception)			500		
1	Computer Area/Data Processor			270		
2	Office for School Police		150	300		
1	Video Surveillance			150		
1	Itinerant			125		
1	Attendance/Itinerant			125		
	Restrooms (out of staff restroom allotment)					
	Subtotal			6,306		
STUDENT SERVICES						
2	Administrative Office		175	350		
1	Clinic (Board approved prototype)			725		
1	Textbook Storage (200 NSF to Admin Suites)	630		430		
2	Itinerant		125	250		
1	Student Service Storage (from Administrative Storage)			200		
1	Conference (from administrative conference)			300		
1	Reception/Secretary (450 NSF from General Reception & 150 NSF for secretary)			600		
1	Careers Room			540		
1	School Store			250		
	Subtotal			3,645		

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Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft.	Sq. Ft.	Stu. Sta.	Stu. Stat.
			Per Unit	Total	Unit	Total.
SATELLITE ADMINISTRATIVE SUITES						
2	Reception/Secretary (50 NSF from General Reception/Secretary & 450 NSF for Secretary)		250	500		
2	Administrative Office		175	350		
2	Itinerant		125	250		
2	Storage/Vault (from Administrative Storage)		150	300		
2	Textbook Storage (from Administrative Textbook Storage)		100	200		
2	Teacher Planning (from allotment)					
	Restrooms (from allotment)					
	Subtotal			1,600		
	TOTAL			11,551		0
ART						
2	Laboratory		1,484	2,968	28	56
2	Kiln (combined into 1)		60	120		
2	Material Storage		155	310		
2	Project Storage		150	300		
2	Darkroom (combine into 1)		100	200		
	TOTAL			3,898		56
AUDITORIUM/STAGE						
1	Seating for 835			7,500		
1	Stage (990 NSF allowable plus 830 NSF from Reading Room)	990		1,820		
1	Technical/Construction Workshop			1,140		
1	Storage (including piano storage)			1,250		
2	Dressing Rooms		625	1,250		
1	Video Control Room/Projection Room (100 NSF from Reading/Stacks)	100		200		
1	Lobby/Art Gallery			1,250		
1	Concession			200		
1	Ticket Booth			30		
1	Green Room/Recording (from Music)			225		
	Restroom (from allotment)					
	TOTAL			14,865		
COMPUTER/SKILLS LABORATORY						
4	Skills Development Laboratory & Storage		900	3,600	25	100
	TOTAL			3,600		100
CUSTODIAL						
	Central Receiving, Toilets, Lockers, Showers, Custodial Closets, Workroom & Office (250 NSF to PE Storage)		1,980	1,730		

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Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
1	Flammable Storage			155		
1	Equipment Storage			500		
1	Golf Cart Storage (from dining)			450		
	TOTAL			2,835		0
DRIVER'S EDUCATION						
1	Classroom		756	756	25	25
1	Material Storage		90	90		
1	Teacher Planning		54	54		
	TOTAL		900	900		25
EXCEPTIONAL STUDENT EDUCATION						
3	Classrooms		756	2,268	25	75
3	Material Storage		90	270		
3	Teacher Planning		54	162		
	Subtotal		900	2,700		
3	Self Contained Classroom		900	2,700	10	30
3	Restroom, Student		40	120		
	Subtotal			2,820		
1	Laboratory			1,140	12	12
1	Restrooms & Showers (from allotment)					
	Subtotal			1,140		
ESE Administrative Suite						
1	Reception/Secretary		225	225		
2	Office		150	300		
1	Conference/Planning/Testing		300	300		
1	Storage		100	100		
	Staff Restroom (from allotment)					
	Subtotal			925		
2	Supplementary Instruction		200	400		
	Subtotal			400		
1	ESE Changing Room/Restroom			150		
1	ESE Department Storage		200	200		
	Subtotal			350		
	TOTAL			8,335		117
FOOD SERVICE						
1	Dining (450 NSF to Custodial Golf Cart Storage)	6,200		5,750		
1	Kitchen (including office and restroom - prototype) (600 NSF to stadium press box)			8,190		
1	Chair Storage			360		
1	Staff Dining/Lounge			1,000		
	Staff Restrooms (out of allotment)					
	Student Restrooms (out of allotment)					
	TOTAL			15,300		0

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Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft.	Sq. Ft.	Stu. Sta.	Stu. Stat.
			Per Unit	Total	Unit	Total.
FOREIGN LANGUAGE						
3	Classroom		756	2,268	25	75
3	Material Storage		90	270		
3	Teacher Planning		54	162		
	TOTAL		900	2,700		75
GENERAL CLASSROOMS						
12	Classroom		756	9,072	25	300
12	Material Storage		90	1,080		
12	Teacher Planning		54	648		
	TOTAL		900	10,800		300
LANGUAGE ARTS						
3	Classroom		756	2,268	25	75
3	Material Storage		90	270		
3	Teacher Planning		54	162		
1	Classroom - Publication			756	25	25
1	Material Storage			90		
1	Teacher Planning			54		
1	Classroom - Speech & Debate			756	25	25
1	Material Storage			90		
1	Teacher Planning			54		
	TOTAL			4,500		125
MEDIA CENTER						
1	Reading Room/Stacks (830 NSF to stage in auditorium, 600 NSF to Tech Instruction, 100 NSF for video control in Auditorium)(325 NSF from Tech Processing)	5,460		4,255		
1	Technical Processing (combined with Library Media Specialist's office)(325 NSF to Reading/Stacks)	500		175		
1	Professional Library (combined with Media Production/Copying Room)			500		
1	AV Storage/Maintenance and Repair/CCTV Storage			1,080		
1	Periodical Storage (combined with Reading/Stacks)			360		
1	Conference Room (from Administrative Conference)			680		
1	CCTV Studio - Production and Control (900 NSF for Studio & 360 NSF for Control)			1,260		
1	Technology Instruction (from reading/stacks)			600		
1	Media Production/Copying Room (combined with Professional Library)			660		

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Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
1	Small Group Listening (combined with Reading/Stacks)			180		
1	Group Projects (combined with Reading/Stacks)			900		
1	Library Media Specialist's Office (combined with Technical Processing)			175		
	Staff Restroom (out of allotment)					
	TOTAL			10,825		0
MATHEMATICS						
3	Classroom		756	2,268	25	75
3	Material Storage		90	270		
3	Teacher Planning		54	162		
	TOTAL		900	2,700		75
MUSIC						
1	Vocal Music Classroom			1,596	28	28
1	Ensemble Room			300		
3	Practice Room (combine into 1)		70	210		
1	Reference Room			100		
1	Material Storage			155		
1	Robe Storage			150		
1	Teacher Planning (from allotment)					
	SUBTOTAL			2,511		
1	Band Classroom			2,000	50	50
1	Ensemble Room			300		
3	Practice Room		70	210		
1	Reference Room			100		
1	Instrument Storage			600		
1	Material Storage			155		
1	Uniform Storage			175		
1	Studio			180		
1	Recording Room (to Green Room in Auditorium)					
1	Instrument Repair			110		
1	Teacher Planning (from allotment)					
	SUBTOTAL			3,830		
	TOTAL			6,341		78
PHYSICAL EDUCATION						
2	Dressing Rooms		1,080	2,160		
2	Lockers		180	360		
2	Showers		180	360		
2	Drying		180	360		
1	PE Storage			810		
2	Restrooms		180	360		

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Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft.	Sq. Ft.	Stu. Sta.	Stu. Stat.
			Per Unit	Total	Unit	Total.
2	Teacher Planning		250	500		
2	Teacher Planning - Advance P.E.		100	200		
2	Teacher Restrooms/Showers		132	264		
1	Administrative Office (150 NSF from Multipurpose)			150		
1	Weight Room			1,800		
1	First Aid			180		
1	Training Room			250		
1	Multipurpose Room (150 NSF to Admin. Office)	1,050		900		
1	Wrestling Room			1,680		
1	Gymnastics/Dance			1,050		
1	Gymnasium Floor			6,500	1	160
1	Gymnasium Seating			8,000		
1	Gymnasium Storage			270		
1	Laundry/Towel			180		
1	Gymnasium Lobby			900		
1	Concessions			200		
1	Ticket Booth			30		
	Restrooms (from allotment)					
1	Stadium Press Box (from kitchen)			600		
1	Outdoor Storage Building (from custodial)			250		
	TOTAL			28,314		160
<p align="center">RESOURCE ROOMS (Individual or small group instruction) (1/150 stations per SREF) (Individual or small group instruction) (1/250 stations per SREF)</p>						
7	Resource Room (combine resource rooms and storage to create 2 lecture halls/distance learning centers)		480	3,360		
7	Material Storage		90	630		
	TOTAL		570	3,990		0
<p align="center">RESTROOMS (adjust square footage for FACBC and parity requirements)</p>						
	Public Restrooms			360		
	Student Restrooms			2,700		
	Staff Restrooms (near classrooms and teacher planning)			720		
	TOTAL			3,780		0
<p align="center">SCIENCE</p>						
15	Science Demonstration/Classroom		1,300	19,500	25	375
1	Computer Laboratory & Storage			900	25	25
8	Project Storage		95	760		
8	Material Storage		95	760		

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Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
			1	Chemical Storage		400
	TOTAL		22,320		400	
SOCIAL STUDIES						
3	Classroom		756	2,268	25	75
3	Material Storage		90	270		
3	Teacher Planning		54	162		
	TOTAL		900	2,700		75
STUDENT STORAGE (Lockers)						
	Student Personal Storage			900		
	TOTAL			900		
TEACHER PLANNING						
	Teacher Planning			1,200		
	TOTAL			1,200		0
CAREER EDUCATION						
<u>Retail/Finance/Business Education</u>						
3	Business Laboratory		1,460	4,380	20	60
3	Material Storage		155	465		
3	Project Storage		150	450		
	TOTAL		1,765	5,295		60
<u>Technology</u>						
2	Drafting & Design		2,280	4,560	24	48
2	Technology Resource		800	1,600		
2	Material Storage		395	790		
	Subtotal		3,475	6,950		
2	Communication		3,240	6,480	24	48
2	Technology Resource		800	1,600		
2	Material Storage		90	180		
2	Material Storage		395	790		
2	Project Storage		310	620		
2	Tool Storage		310	620		
	Subtotal		5,145	10,290		
2	Engineering		3,240	6,480	24	48
2	Technology Resource		800	1,600		
2	Material Storage		90	180		
2	Material Storage		395	790		
2	Project Storage		310	620		
2	Tool Storage		310	620		
	Subtotal			10,290		
	TOTAL			27,530		144

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Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft.	Sq. Ft.	Stu. Sta.	Stu. Stat.
			Per Unit	Total	Unit	Total.
FUTURE						
SATELLITE ADMINISTRATIVE SUITES						
1	Reception/Secretary		250	250		
1	Administrative Office		175	175		
1	Itinerant		125	125		
1	Storage/Vault		150	150		
1	Textbook Storage		100	100		
1	Teacher Planning (from allotment)					
	Restrooms (from allotment)					
	TOTAL			800		
GENERAL CLASSROOMS						
8	Classroom		756	6,048	25	200
8	Material Storage		90	720		
8	Teacher Planning		54	432		
	TOTAL		900	7,200		200
SCIENCE						
2	Science Demonstration/Classroom		1,300	2,600	25	50
1	Project Storage		95	95		
1	Material Storage		95	95		
1	Chemical Storage			400		
	TOTAL			3,190		50

For modernization of existing schools and other schools with a high concentration of special program needs additional teaching spaces may be provided through the use of Resource Rooms and ESE Rooms to meet program capacity per the approval on January 21, 2003 of the Charter District Waiver.

Net Square Feet (NSF) from Library Media Center was reallocated to ensure that classroom sizes are no less than 900 NSF for purposes of providing sufficient space for quality instruction.

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GENERAL CONSIDERATIONS

Use the following documents, as a minimum, in facility design, the latest edition of the Florida Building Code (FBC) with latest revisions, the Florida Fire Prevention Code (FFPC), the SDPBC Education Specification, District Master Specification (DMS), District Design Criteria (DDC) and State Requirements for Educational Facilities (SREF)

- A. **Security** - The design shall comply with the DDC – Architectural and Civil.
- B. **Flexibility** - Consider flexibility to allow for future program changes and expansions of the school plant.
- C. **Construction Techniques** - Consider fast and economical construction consistent with long-range maintenance and flexibility requirements of a permanent school plant. Refer to the DDC - Architectural.
- D. **Heating, Ventilating and Air-Conditioning (HVAC)** – Design the system(s) in accordance with the DDC – Mechanical and the related DMS sections in Division 15.
- E. **Plumbing** - Design the system(s) in accordance with the DDC – Plumbing and the related DMS sections in Division 15.
- F. **Building Fire Protection** - Design the system(s) in accordance with the DDC – Plumbing and the related DMS sections in Division 15.
- G. **Windows** – Provide windows in accordance with the DDC - Architectural.
- H. **Floors** - Provide floors in accordance with the DDC - Architectural.
- I. **Walls** - Provide walls in accordance with the DDC - Architectural.
- J. **Roof** - Provide roofs in accordance with the DDC - Architectural
- K. **Corridors and Student Commons** - Corridor shall comply with the Florida Building Code, DDC and DMS.
- L. **Sound Treatment** - Acoustically-treated walls and ceilings shall be provided as necessary for the intended use of the space. Refer to the DDC – Architectural.
- M. **Hot Water** - Hot water shall be provided as indicated and per code. Refer to the DDC - Mechanical and Plumbing and DMS.
- N. **Lighting** - Classroom lighting shall be controlled with alternate switching of light fixtures. Provide lighting in accordance with the DDC – Electrical and DMS.
- O. **Electrical** - Provide Electrical System in accordance with the DDC – Electrical and DMS.

- P. **Student Toilets** - Soap dispensers shall be liquid type provided and installed by the contractor. Paper towel dispensers and toilet paper dispensers shall be continuous metal jumbo roll type provided and installed by the contractor. Follow the DDC – Architectural and Plumbing for locating, designing and equipping student toilet facilities.
- Q. **Entrances** – Entrance shall comply with the requirements of the DDC – Architectural.
- R. **Lockers** - Lockers shall be located in air-conditioned corridors. Refer to DMS.
- S. **Clock and Bell System** - GPS master satellite clock system (wireless) shall be utilized throughout the facility and provided and installed by the contractor. Bell system shall have automatic and manual operation.
- T. **Intercommunications System** - Provide two-way intercom system in accordance with the DDC - Electrical.
- U. **Instructional Television System** – Provide ITV system in accordance with the DDC – Electrical and DMS sections in Division 16.
- V. **Color/Finishes** - Harmonizing colors shall be used to enhance the design of the plant. The architect shall submit colors for review and approval by the SDPBC Department of Program Management. The exterior of the buildings shall use a maximum of three (3) different colors and the interior of the buildings shall use a maximum of four (4) different colors with one of the four interior colors serving as the accent color for the instructional space. Exterior materials and coatings shall be graffiti resistant and easily cleaned to the maximum extent practical. The architect shall submit finishing schedules and mill work for review and approval by the SDPBC Department of Program Management.
- W. **Display Case** - A built-in recessed display case with tackable backboard shall be located in the entrance foyer, music area and art area and media center. A built-in trophy case with tackable backboard shall be located in gymnasium and auditorium. Provide safety glass. The recessed display case shall be 6’W x 4’H and 36” off the floor.
- X. **Communications (Voice and Data)**- Provide Communication systems in accordance with the DDC - Electrical.
- Y. **Safety** - Provide safety devices in accordance with the DDC, DMS and FBC.
- Z. **Site Fire Protection** - Refer to the DDC, DMS, FBC and FFPC.
- AA. **Automobile Parking** - Provide parking in accordance with traffic control section, DDC – Architectural and Civil. Visitor parking shall be provided near the entrance to the administrative suite.
- AB. **Water Outlets** - Provide hose bibs in accordance with the DDC - Plumbing.

- AC. **Potable Water** - Systems shall be designed in accordance with the DDC – Civil and Plumbing.
- AD. **Pavement, Site Improvements** - Provide all pavement, markings, signage and other site improvements in accordance with the DDC - Civil.
- AE. **Sanitary Sewer** - Systems shall be designed in accordance with the DDC – Civil.
- AF. **Storm Water Drainage** - Systems shall be designed in accordance with the DDC - Civil.
- AG. **Irrigation Water** – System shall be designed in accordance with the DDC – Civil and SFWMD.
- AH. **Structural** - Systems shall be designed in accordance with the DDC - Structural.
- AI. **Bulletin Boards** - In addition to any bulletin boards specified in departmental specifications, there shall be located in all of the corridors and/or student common area the following: (a) for general administrative, provide eight lineal feet; (b) for student activities, eight lineal feet; (c) for general faculty, eight lineal feet; (d) for interscholastic activities, eight lineal feet; (e) for music, eight lineal feet; (f) for interdepartmental use, eight lineal feet. Bulletin (tack) boards shall not be less than 36" vertical measurement.
- AJ. **Ceiling Heights** - Ceiling height shall be in accordance with the DDC - Architectural.
- AK. **Crowd Control** - The design shall reflect good crowd control. Consideration shall be given to large groups that enter and leave the site at times of public and school events.
- AL. **Energy Conservation** - The building and its systems shall be designed in accordance with the DDC – Mechanical.
- AM. **Community School** - The general plan and campus design shall be arranged to permit and facilitate use of all appropriate school facilities by community agencies when these spaces are not in use for the regular school program. Community school considerations include ready access from parking lots to all athletic and recreational facilities, meeting rooms, music facilities, media center, cafeteria and community school coordinator's office. Offices(s) shall be located near the parking lot with adequate lighting and natural surveillance.
- AN. **Exterior Building Materials** - Major exterior building materials shall be fully documented in the design phase of project development for review and approval by the SDPBC Superintendent or his/her designee. Exterior materials and coatings shall be graffiti resistant and easily cleaned to the maximum extent practical. Refer to the DDC – Architectural.
- AO. **Instructional Technology** - Provide conduits, wiring, data outlets and receptacles for computer network requirements. Provide spaces and special air-conditioning for computer- related electronics. Refer to the DDC.

- AP. School Site and Play Fields** - The school site and play fields shall be designed in accordance with the DDC – Architectural and Civil.
- AQ. Working Heights** - Provide built-in equipment and furnishings in accordance with the DDC - Architectural.
- AR. Ventilation** - Ventilation shall be designed in accordance with the DDC - Mechanical.
- AS. Program Furniture and Equipment** - Program furniture and equipment list, in this document, is a design guide for determining space requirements and it is not intended as an ordering guide. Use existing furniture and equipment where possible.
- AT. Natural Gas** - Refer to the DDC - Plumbing.
- AU. Design Notebooks** - Refer to the DDC - Mechanical.
- AV. Communications Room** - Every facility shall have one Communication Equipment Room (CER) and several Communication Closet Rooms (CCR) as necessary to comply with the DDC – Electrical and Mechanical.
- AW.** The Architect/Engineer shall request a clarification from the Senior Project Administrator (SPA) of any conflicts between the Educational Specification, DDC or DMS.
- AX.** For high schools, contractor to provide a lighted double sided marquee/school sign, 9’x12’ in size, with adequate electrical service stubbed out for future wireless LED message area upgrades.
- AY.** Refer to the DDC – electrical and DMS with regards to ceiling projectors raceway system. Contractor to provide ceiling projectors raceway system with all necessary wiring and properly supported projector mounting brackets in all instructional spaces and other designated areas. Obtain the latest detail of installation and specifications from the District’s Network Services Department.
- AZ.** Those high schools designed by the Emergency Operation Center will be Hurricane Shelters.
- BA.** Contractor to provide and install wall mounted pencil sharpeners and flag pole holders with proper backing in all necessary areas. Contractor to provide and installed AV screens and brackets with proper backing in all necessary areas. Provide proper backing for all mounted equipment where necessary.
- BB.** Each school center shall a lightning detection device.
- BC.** All built-in counters shall be wire management holes (grommets) to service telephones and computer hook-ups.
- BD.** When possible, the “head-in” equipment shall be located in the production room in the

Library Media Center. The equipment should not be located in the control room of the CCTV studio.

- BE.** Schools under modernization and/or comprehensive addition shall have the interior signage comply with the building and room numbering of the School District's guidelines. Room names and numbers on signage shall be coordinated with SDPBC Interior Design Coordinators.
- BF.** Contractor to provide a 30' high flagpole with two complete rope systems. The flagpole shall be located near the main office/administration.
- BG.** Refer to the DDC – electrical and DMS with regards to conduit and junction box for sound field enhancement system.
- BH.** Classrooms, instructional areas and other designated areas shall be equipped with built-in multimedia cabinets, provided by the contractor, for TV, LCD, DVD/VCR, and other multi-media equipment. The multimedia cabinet shall be approximately 48" in height with the capability to have a 27" TV sit on top of the cabinet. The multimedia cabinet shall include lockable doors with adjustable shelving for equipment and grommets for wire management. The cabinet shall be located on the teaching wall.
- BI.** The architect shall work with District Staff on the prototype classroom.

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GENERAL SECURITY CONSIDERATIONS

- A. Meet with SDPBC Department of School Police at first stage, site and building layout development, to discuss project specific security issues.
- B. The area for loading/unloading of students shall be designed for easy supervision with no mixture of pedestrian and vehicles.
- C. Open parking areas shall have good natural surveillance. Provide a fenced staff parking area that can be locked during the day where local conditions warrant.
- D. Site access shall consist of a primary road and secondary access in the event the primary road is blocked.
- E. School sites shall have perimeter security fencing preventing access to walkways and courtyards when facility is not occupied, but allow for public use of exterior athletic facilities. Design exterior doors to prevent unauthorized entry by minimizing key locks and hardware on doors which would not be used for the purpose of essential entry but are installed for emergency egress.
 - 1. Doors which are determined to be essential entry shall be provided with key access and include card access control and hardware as per current SDPBC policy, guidelines and the project specific plan review process.
 - 2. Entire perimeter of site shall be fenced or wall barriered and gated to a minimum height of six (6) feet. Provide the delivery/receiving/service entry gates(s) with electric latching/lock hardware and all associated hardware to allow the control of it from the card access system.
 - 3. Create an interior perimeter barrier so that all open area students and staff commons and their thoroughfares, i.e. courtyards, areas between buildings, portable classrooms, PE fields, etc. are blocked from entering except through an access controlled main public entry. Create a structurally mounted set of metal entry doors in the interior perimeter barrier to become the focal point of all public entry. These doors shall be located in the entry thoroughfare between the visitor parking area and the administration reception area. At the public entry, provide card access, video surveillance; remote intercom and electric controlled lock hardware as per current SDPBC policy, guidelines and the project specific plan review process. All other egress points through this open area interior perimeter barrier shall have the same type of structurally mounted metal entry doors. No fence gates allowed.
- F. Use maze-type of entry system to restrooms where appropriate, i.e., gymnasium. Do not use maze-type of entry for exterior locations.
- G. Bicycle parking compound shall be located in an area with good natural surveillance and have an 8' fence. Provide racks to which bicycles can be locked. Should be visible from office staff or classroom windows.
- H. When designing courtyards, consider physical division of space, i.e. benches, planters,

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to avoid congregation of large groups of students and to allow smooth flow of traffic. Position amenities to create multiple access and passageways. Planters shall not be placed in such a way as to allow its contents to block clear vision of common areas and courtyards. Limit the heights of all trees and shrubbery that are planted between the buildings and all thoroughfares, congregate areas, bike and auto parking spaces, courtyards, portables, entry/exit points throughout the interior perimeter barrier, playfields, etc. to not exceed three feet (3'), for a distance of fifty feet (50'). Consideration should be taken when locating landscaping to assure that it will not block lighting.

- I. Locate teacher planning areas throughout the campus to provide supervision for potential problem areas. Acceptable locations are at ends of buildings and center of hallways.
- J. Provide zoned lighting to allow for security during community school activities at night. Consider use of motion detector lights in isolated areas.
- K. Design roofs without obstructions that could conceal persons from view. Roof access shall be properly secured and lockable.
- L. Provide two (2) KNOX Box for emergency key access to the site and buildings(s), one for school police and one for the fire department. Coordinate with local fire department and district personnel.

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SITE DEVELOPMENT

- A. All site plans shall comply with SDPBC Technical Requirements Manual for Site Plans.
- B. Refer to the District Design Criteria (DDC).
- C. Landscaping plan shall contribute to the development of a balanced and harmonious appearance of the educational complex. Landscaping shall be based on surveys of existing plants on the site and a palette of species of plants native to the vicinity. Plantings shall be site specific with special consideration given to minimizing supplemental irrigation systems, energy efficiency and maintainability of the designed vegetation systems, from installation to maturity. Supplemental irrigation systems to be used shall provide for total coverage of landscape areas. Where practical, minimum plant sizes and maximum spacing shall be used. Landscaping shall be in compliance with State Requirements for Educational Facilities Guidelines.

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TRAFFIC CONTROL

The following traffic related activities occur on the school site:

1. Approximately, 30 school buses will enter and exit the site at the beginning and end of each school day.
2. Approximately, 270 staff will enter and exit the site daily.
3. Service and visitor vehicles will enter and exit the site daily.
4. Private vehicles of spectators attending extra curricular activities will enter and exit the site periodically.

Proper signage should be included to delineate each area. Signage and bumpers for parking spaces shall be provided by the contractor.

Specific consideration shall be given to the following:

1. Parking spaces shall be conveniently located for approximately (235) staff, (565) students, (25) visitors and (40) service personnel. Ten of these to be convenient to kitchen. Parking locations shall be located on-site and/or off-site.
2. Visitor parking shall be provided near the administrative suite and will naturally lead to the administrative suite reception entry.
3. A fenced parking area with lockable gates for bicycles shall be provided.
4. Student pedestrian traffic to play fields shall not cross any vehicular traffic area.
5. Refer to **District Design Criteria (DDC)**.

ADMINISTRATIVE/STUDENT SERVICES

I. PROGRAM PHILOSOPHY

Refer to overall.

II. PROGRAM GOALS

Refer to overall.

III. PROGRAM ACTIVITIES

A. Administration

1. Reception of public
2. Reception of students
3. Secretarial and clerical duties
4. Accounting duties
5. Filing and office storage
6. Office activities for:
 - a. Principal
 - b. Curriculum Coordinator
 - c. Assistant Principals
 - d. Community School Director/Assistant Principal
 - e. Deans
7. Data processing/computer area
8. Record keeping and storage
9. Mail distribution
10. Duplicating production
11. Textbook processing and storage
12. Conference (individual and small group)
13. Key and security control
14. Verbal communication, school wide
15. Telephone control, school wide
16. Clock and bell control
17. Curriculum development
18. Student scheduling
19. Attendance and discipline
20. Health clinic

B. Student Personnel Services

1. Reception of students
2. Reception of parents
3. Secretarial and clerical duties
4. Filing and office storage
5. Office activities for guidance counselor
6. Student record keeping and storage
7. Conferences (individual and small group)

C. Individual testing

1. Registration and orientation of new students
2. Job placement follow-up
3. Dissemination of educational, career and personal/social information
4. Liaison activities between school and community agencies

IV. ORGANIZATIONAL NOMENCLATURE

Number of Students Served Per Day Total Varies

Number of Persons Served at one time Varies

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

Community school concept. School facilities are made available for a wide variety of activities and classes after and during regular school hours.

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

- A. The career room serves the needs for the program and will replace student activities.
- B. General Reception/Secretary shall be divided for Administrative Reception/Secretary; Dean's Reception; Student Service Reception/Secretary and Administrative Suites Reception/Secretary.
- C. Conference area shall be divided into 50 NSF to Principal; 680 NSF for Media Conference Room; 300 NSF to Student Service Conference Room and the remaining NSF shall be located in the Administrative area and/or Dean's area.
- D. The clinic shall be located in Student Service.
- E. Textbook storage shall be divided for Administrative Suites and Student Services.
- F. Administrative Storage shall be divided for Satellite Administrative Suites, Student Services and the main Administrative area.
- G. Satellite Administrative Suites shall include Reception/Secretary; Administrative Office; Itinerant; Storage; Textbook Storage; Teacher Planning and Staff Restrooms.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
ADMINISTRATIVE						
1	Principal (50 NSF from conference room)	250		300		
4	Administrative Office		175	700		
1	Bookkeeper			125		
1	Principal's Secretary			158		
1	General Reception/Secretary (500 NSF to Dean's Recept; 50 NSF to Student Services Recept & 300 NSF to Admin Suites)			838		
1	Production/Workroom			720		
1	Conference (50 NSF to principal, 680 NSF to Media & 300 NSF to Student Services Conference)	1,260		230		
1	Administrative Storage (300 NSF to Academic House Storage/Vault & 200 to Student Service Storage)	900		350		
1	Records/Vault			540		
5	Dean's Office		175	875		
1	Dean's Reception (from general reception)			500		
1	Computer Area/Data Processor			270		
2	Office for School Police		150	300		
1	Video Surveillance			150		
1	Itinerant			125		
1	Attendance/Itinerant			125		
	Restrooms (out of staff restroom allotment)			-		
	Subtotal			6,306		
STUDENT SERVICES						
2	Administrative Office		175	350		
1	Clinic (Board approved prototype)			725		
1	Textbook Storage (200 NSF to Admin Suites)	630		430		
2	Itinerant		125	250		
1	Student Service Storage (from Administrative Storage)			200		
1	Conference (from administrative conference)			300		
1	Reception/Secretary (450 NSF from General Reception & 150 NSF for secretary)			600		
1	Careers Room			540		
1	School Store			250		
	Subtotal			3,645		
SATELLITE ADMINISTRATIVE SUITES						
2	Reception/Secretary (50 NSF from General Reception/Secretary & 450 NSF for Secretary)		250	500		
2	Administrative Office		175	350		
2	Itinerant		125	250		
2	Storage/Vault (from Administrative Storage)		150	300		

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Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
			2	Textbook Storage (from Administrative Textbook Storage)		100
2	Teacher Planning (from allotment)					
	Restrooms (from allotment)					
	Subtotal			1,600		
	TOTAL			11,551		0

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Principal

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Desk/workstation with chair
4		X	Side arm chair
1		X	File Cabinet, four drawer, legal, lateral & lockable
1		X	Computer & Printer
1		X	Bookcase
1		X	Table, round, 42"-48"
1	X		Tack board, 3' x 4'
1	X		Clock

B. Administrative Offices; Dean; School Police & Principal's Secretary

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Desk/workstation with chair
2		X	Side arm chair
1		X	File Cabinet, four drawer, legal, lateral & lockable
1		X	Computer & Printer
1		X	Bookcase
1	X		Tack board, 3' x 4'
1	X		Clock

C. Administrative Office in Student Services; Itinerant; Bookkeeper; Attendance Clerk & Data Processor

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Desk/workstation with chair
2		X	Side arm chair
1		X	File Cabinet, four drawer, legal, lateral & lockable
1		X	Computer & Printer
1		X	Bookcase
1		X	Small table for group activities
1	X		Tack board, 3' x 4'
1	X		Clock

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
	X		Built-ins (refer to special considerations)

D. Reception/Secretary Area (per)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
5		X	Chairs for visitors
1		X	End table
1		X	Computer & Printer
1		X	Bookcase
1	X		Tack Board, 3' x 4'
1	X		Recessed glass enclosed trophy case, approximately, 4' x 8', shatterproof glass (administrative only)
1	X		Recessed Display Case, 6'w x 4'h (located in main and student service reception area)
1	X		Clock, battery
	X		Built-ins (refer to special considerations)

E. Production Workroom

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Collator
2		X	Copier
1		X	Paper cutter
4		X	Work table
6		X	Chairs
1	X		Double sink with goose neck faucet (HW/CW)
2		X	Vending machines
1	X		Refrigerator, residential, 22 cubic ft
1		X	Microwave
1		X	Computer
1		X	Printer
1	X		Tack board, 6' x 4' (located near staff mailboxes)
1	X		Staff mailboxes (250 minimum) set on a 30"H x 24"D counter with larger cubby/mailboxes underneath to receive large packages. Mailboxes shall be 4"h x 14" d x 12" w clear inside
1	X		Drop Safe (refer to built-in for details)
1	X		Clock
	X		Built-ins (refer to special considerations)

F. Conference Room (per)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
2		X	Conference table
14-16		X	Conference chairs
1	X		Under counter refrigerator

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Marker Board, 4' x 8' with tack strip
1	X		6' x 8' video format screen with black masking borders
1	X		Clock
	X		Built-ins (refer to special considerations)

G. Clinic

No. of Items	Contractor Provided	District Provided (FF&E)	Description
6		X	Cots
5	X		Cubicle curtains on track for cots
5-7		X	Straight chairs
1		X	Desk/workstation
3		X	Desk chairs
1		X	Medical Scale
2		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Rolling supply cart/ Table Cart
1	X		Refrigerator with icemaker, residential, lockable, 21 cu. ft.
1		X	Hazardous Waste Disposal & Trash Receptacles
1		X	Sharp's container
1		X	Utility Table
1	X		Double Lockable Metal Narcotics cabinet
1	X		Supervision Mirror
1	X		Sink with eye wash at nurse station (HW/CW)
2	X		F.A.C.B.C. Shower with no curb and with fold down seat in shower
2		X	Computer
2		X	Printer
1	X		Clock
1	X		Tack Board, 2'x4'
	X		Built-ins (refer to special considerations)

H. Administrative Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
4		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Stamp machine
		X	Two-way radios
1		X	Radio charger
2	X		Storage cabinet with shelves
	X		Built-ins (refer to special considerations)

I. Vault/Student Records

No. of Items	Contractor Provided	District Provided (FF&E)	Description
12		X	File cabinet, four-drawer, legal, lateral, lockable or moveable records filing system or high density filing system
1		X	Metal storage cabinets, with adjustable shelving
1	X		Key cabinet, lockable, mounted
1		X	Workstation with chair
1		X	Computer
1		X	Printer
1		X	Work table
1		X	Fax machine
1		X	Copier
1		X	Clock
	X		Built-ins (refer to special considerations)

J. Career Room

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Desk
1		X	Chair
1		X	Activity table
15-20		X	Chairs, stackable
1		X	File cabinet, legal, lateral, lockable
20		X	Computer
3		X	Printer
1	X		Clock
	X		Built-ins (refer to special considerations)
1	X		Marker board, 4' x 8'
1	X		Tack board, 4' x 4'
1	X		6' x 8' video format screen with black masking borders
1	X		Teacher storage cabinet, lockable, 36"W x 30"D x 72"H, cabinet, with adjustable shelving, lockable
1	X		Periodical storage/bookcase

K. Textbook Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Barcode reader and scanner for textbooks
1	X		Built-ins (refer to special consideration)

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** – As required to meet District Standards.
- C. **Floor** - As required to meet District Standards. Carpeting is limited to principal's office. Provide continuous sheet vinyl for the floor and baseboard in the clinic.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** - As required to meet District Standards. Provide high quality, fluorescent lighting, with capability of separate switching of rows of lights.
- G. **Windows** - As required to meet District Standards. No windows in the video surveillance room. Provide roll-up window to the outside for itinerant/attendance clerk office. Provide observation windows between the nurse's station and cot area and between the counsel room and cot area in the clinic.
- H. **Doors** - As required to meet District Standards. School Police's office shall be keyed separately. Provide larger door in administrative storage and entrance to administration building. Provide second exit from principal's office. Records room shall be fireproof.
- I. **Water/Plumbing Fixtures** - As required to meet District Standards.
- J. **Communications** - As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards.
- L. **Instructional Technology** – As required to meet District Standards.
- M. **Gas and Air** - N/A
- N. **Safety** - As required to meet District Standards.
- O. **Fencing** - As required to meet District Standards.
- P. **Service Drives** - As required to meet District Standards.
- Q. **Parking** - As required to meet District Standards. Parking for administrators, secretarial staff, and visitors near administrative offices with easy access at all times.
- R. **Built-ins**
 - 1. **Administrative Reception/Secretary & Academic House Reception/Secretary**
- Provide reception counter for a minimum of two people with transaction top and a section to comply with F.A.C.B.C. standards. Provide working counter, 29"-30" h, along reception counter with a minimum of two lockable pedestals and center drawer. The space between working counter and transaction counter shall be 12"

clear height to hold notebooks

2. **Production/Workroom** - Provide counter space, with cabinets with doors, adjustable shelving and lockable above and below counter. Counter, 34"H base cabinet, 24"D; upper cabinet, 18"D, located on longest wall in workroom, F.A.C.B.C. compliant.

Provide Drop Safe - for the safety of bookkeepers and money handlers, drop safe shall be installed in non-conspicuous location (production/workroom), non-visible to the general public and students but easy access to principal and bookkeeper. Model shall be approximately 27-5/16"H x 24-7/16"W x 25-1/2"D. Safe shall be provided with a hopper to drop money pouches. Hopper shall be approximately 6-1/4"H x 7-3/4"W x 13-1/2"D. The safe shall be bolted to the floor.

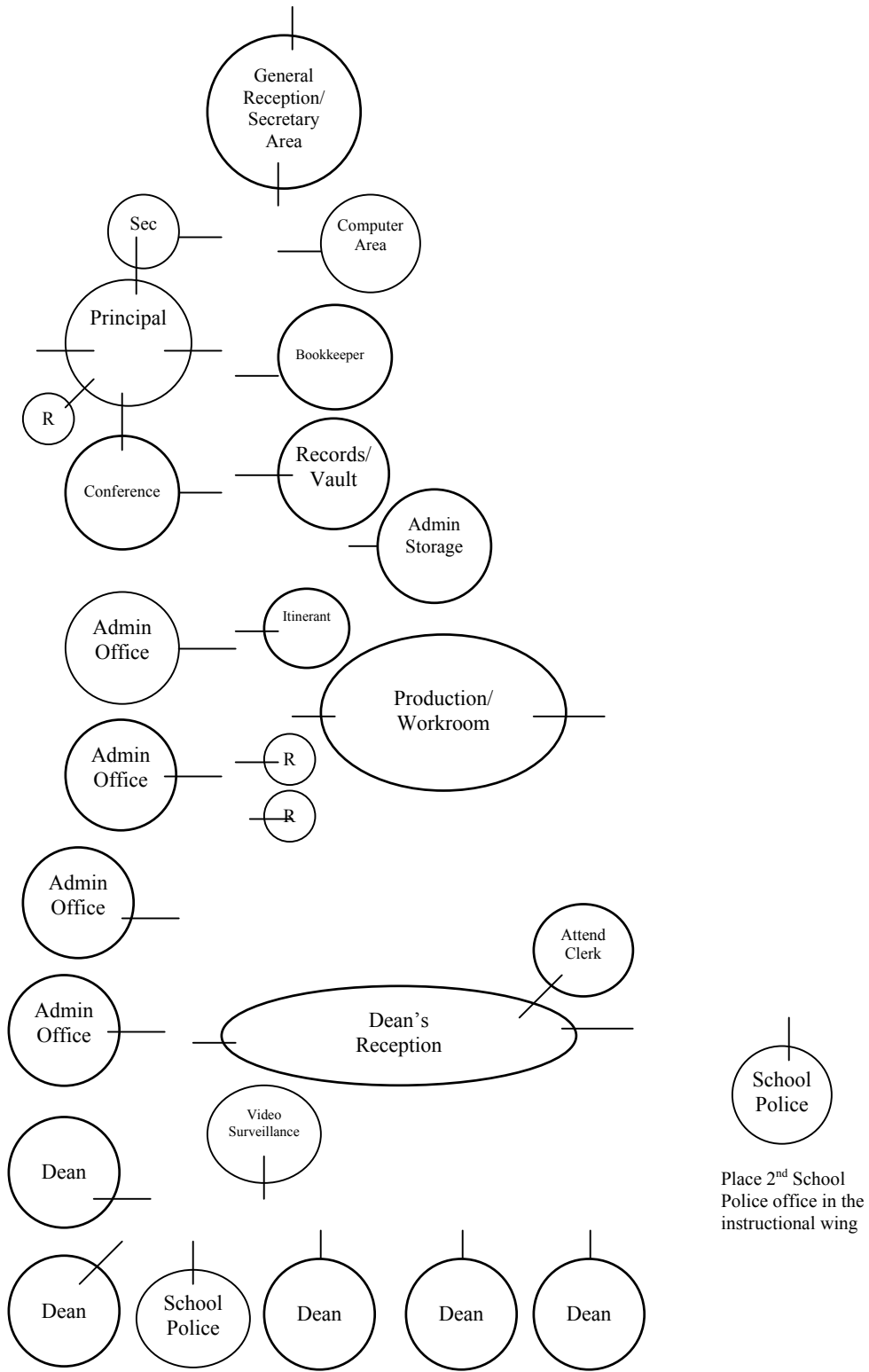
3. **Clinic** – Refer to Board Approved Prototype clinic for built-ins.
4. **Student Service Reception/Secretary & Dean's Reception/Secretary** - Provide reception counter for a minimum of two people with transaction top and a section to comply with F.A.C.B.C. standards. Provide working counter, 29"-30" h, along reception counter with a minimum of two lockable pedestals and center drawer. The space between working counter and transaction counter shall be 12" clear height to hold notebooks
5. **Data Processor/Computer Area** – Provide counter workspace with cabinets, lockable doors, 30"H x 28"D, on one wall with desk in corner. Open shelving with fixed ends above counter and on opposite wall.
6. **Careers Room** – Provide computer counter with grommets and open, adjustable shelving above counter.
7. **Textbook Storage** – Provide maximum metal shelving on all walls. Provide free-standing shelving for center area allowing for adequate passageway.
8. **Administrative Storage** – Provide adjustable shelving, continuous, 18"D on all walls, full height.
9. **Conference Room** - Provide 8' of base cabinet with lockable doors and adjustable shelving, 34"H, along short wall of room, with upper cabinets with lockable doors and adjustable shelving, 12" clear inside depth.

S. **Other Consideration**

1. School Police Officer shall be located so that radio communications do not interfere with computer/data processing.
2. Vault/record room shall be a one-hour rated enclosure.
3. In the Satellite Administration, provide electrical, phones and data in the administrative office, records storage/conference and itinerant office.

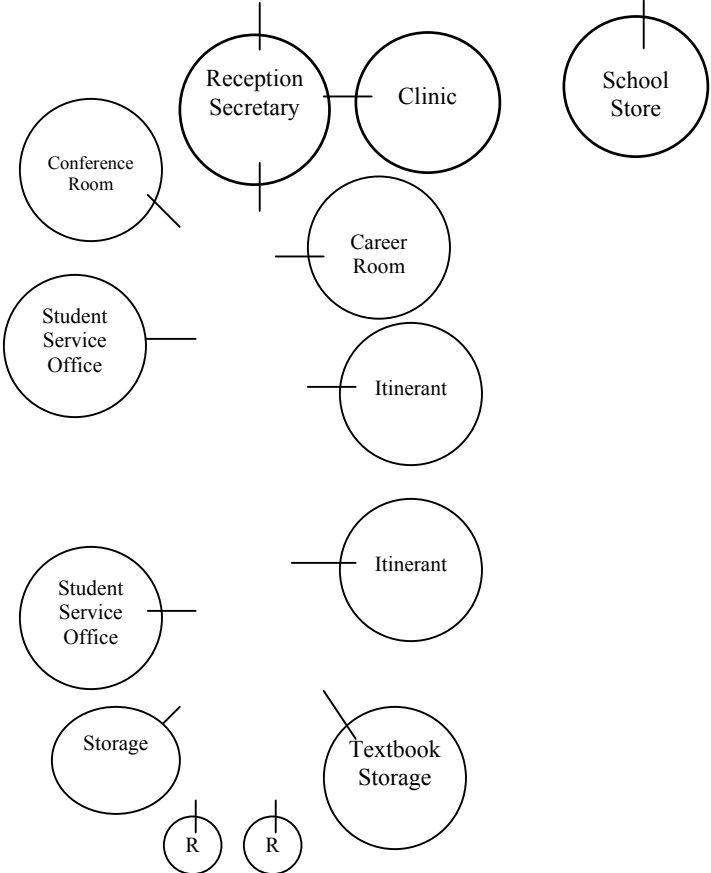
DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
SPATIAL RELATIONSHIPS

Administrative



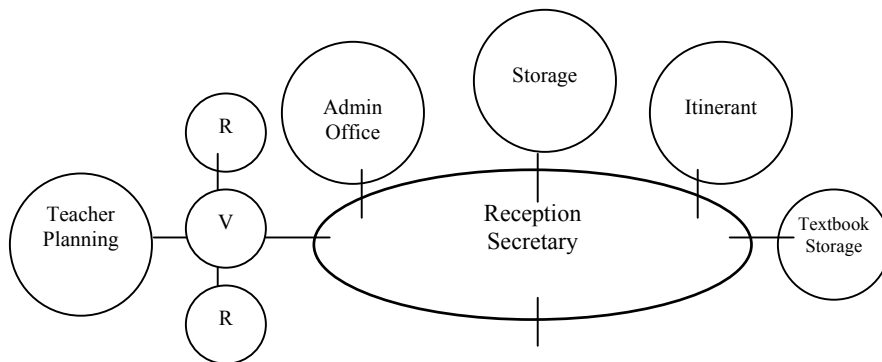
DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
SPATIAL RELATIONSHIPS

Student Services



SPATIAL RELATIONSHIPS

Satellite Administrative Suites



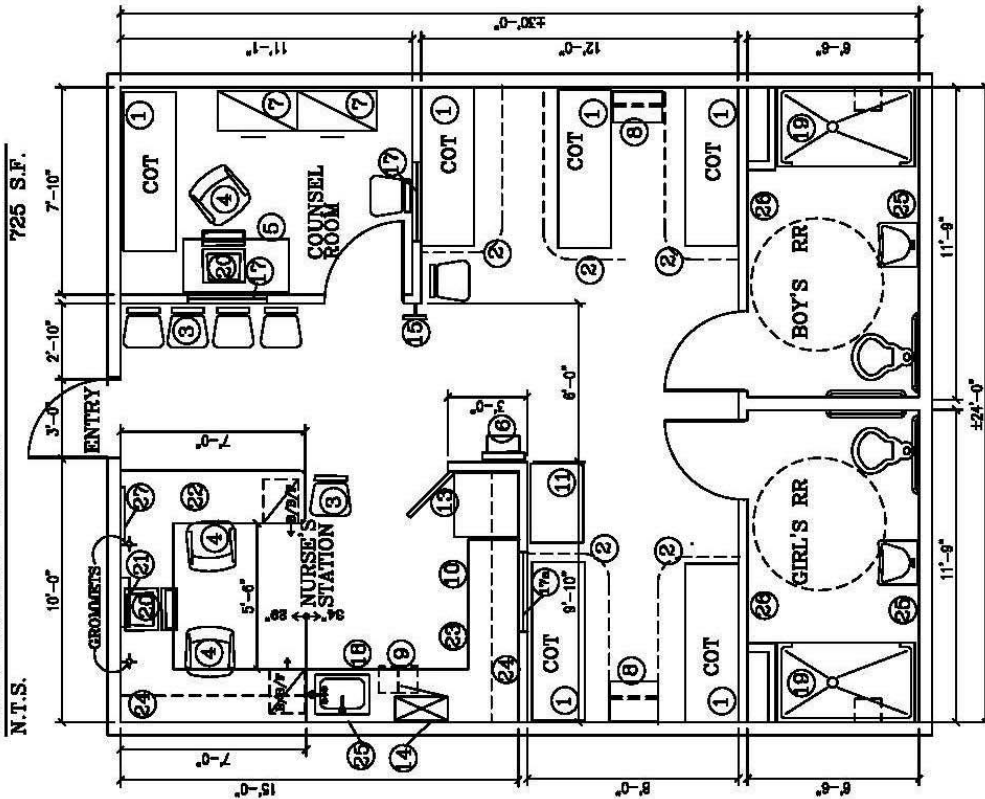
R = Restroom
V = Vestibule

LAST REVISED - 4/23/04

EQUIPMENT LEGEND

- ① 6 COTS (ONE INSIDE COUNSEL AREA)
- ② CURTAIN ON TRACK FOR CURT. CURTAIN TO START @ 12" A.F.F. (EXCLUDES COUNSEL AREA)
- ③ STUDENT CHAIRS
- ④ NURSE'S TASK CHAIR
- ⑤ 30"X60" DESK (IN COUNSEL AREA)
- ⑥ BALANCE BEAM MEDICAL SCALE
- ⑦ 2-HIGH LATERAL FILE / LOCKABLE
- ⑧ ROLLING SUPPLY / TABLE CART (W/OUTLETS DIRECTLY BEHIND ON BACK WALL - MOUNTED @ 36" A.F.F.)
- ⑨ HAZARDOUS WASTE DISPOSAL & TRASH RECEPTACLES (UNDER COUNTER)
- ⑩ SHARP'S CONTAINER (INSIDE INTERIOR DOOR OF CAB)
- ⑪ 24"X 36" UTILITY TABLE (W/OUTLETS DIRECTLY BEHIND ON BACK WALL - MOUNTED @ 36" A.F.F.)
- ⑫ NOT USED
- ⑬ FULL HT. LOCKABLE REFRIG. & LOCKABLE FREEZER W/ICE/MAKER 21 CU. FT., (VERIFY DIM. OF EQUIP. W/MILLWORK CONT.)
- ⑭ DEL. LOCKABLE METAL MARCOTICS CABINET DIM'S OF 24"W. X 10"D. X 30"H.
- ⑮ SUPERVISION MIRROR, MOUNTED @ 7' A.F.F.
- ⑯ NOT USED
- ⑰ FIXED OBSERVATION WINDOW ± 88"W. X 48"H. CENTERED ON WALL - W/VERT. BLINDS
- ⑰a FIXED OBSERVATION WINDOW - BETWEEN UPPER & LOWER CABINETS/RECTANGULAR ±20" EX 28-38" IN LENGTH CENTERED ON WALL
- ⑱ COUNTERTOP @ 84" A.F.F. W/88"X 88" SINK (IC/RW) GOOSENECK FAUCET W/ATTACHED SIDE SPRING STEWAGE SLANT PANEL BELOW COUNTER TO CORNEAL PLUMBING
- ⑲ ADA PRE-FAB SHOWER W/NO CURB - FOLD DOWN SEAT IN SHOWER
- ⑳ COMPUTERS & PHONES (OUTLETS @ 18" A.F.F.)
- ㉑ CLOCK & P.A. SYSTEM - ABOVE COMPUTER @ NURSE'S STATION
- ㉒ COUNTERTOP @ 36" A.F.F. TO INCLUDE: GROMMETS, (8) BOX/BOOK/FILER PEDESTALS
- ㉓ BASE CABINET STORAGE W/DOORS - 34" A.F.F. W/ADA. SEIKAVES -
- ㉔ UPPER CABINETS W/DOORS & ADJ. RECELVES
- ㉕ LOCATION OF SOAP /PAPER TOWEL DISPENSER ADJACENT TO SINK
- ㉖ LOCATION FOR WHEELCHAIR STORAGE
- ㉗ 2X 4' TACKBOARD @ NURSE'S STATION

HIGH SCHOOL CLINIC
N.T.S.



GENERAL NOTES

- ALL CABINETS TO BE LOCKABLE
- HOMOGENEOUS SEERIT VINYL FLOORING IN CLINIC/COUNSEL RM.
- CERAMIC TILE FLOORING IN RESTROOMS
- FLOOR TO CEILING WALL TILE IN RESTROOM
- ALL RESTROOM FIXTURES & EQUIPMENT TO MEET A.D.A. REQUIREMENTS PER FL. BLDG. CODE 8001.
- PLEASE SEE FF&E MATRIX FOR CONTRACTOR PROVIDED ITEMS

I. PROGRAM PHILOSOPHY

A community high school is comprised of students with a wide range of abilities, interests and social backgrounds. A variety of course offerings provides many opportunities for students to develop their artistic talents.

The courses are designed to develop aesthetic sensitivity and to encourage the pursuit of excellence in artistic self-expression. Through the art program, students shall learn to appreciate past and present artistic expressions of others, and in so doing, expand their own horizons and develop an awareness of the role of artists in society.

II. PROGRAM GOALS

- A. To develop proficiency in the use of a variety of tools, materials and techniques.
- B. To develop understanding of the elements and principles of design.
- C. To develop students' abilities to judge art intelligently.
- D. To increase students' understanding and appreciation of the visual arts.
- E. To develop accurate visual perception.
- F. To challenge students with the responsibility of working toward excellence.
- G. To provide opportunities for recognition of outstanding student work through participation in local, state and national competitions.
- H. To help students learn to value both the artistic expressions of their peers and the work of historically significant artists.
- I. To encourage an attitude of respect for, and aesthetic appreciation of, the students' own environment.
- J. To provide direction for students who are seeking art-related careers.
- K. To inspire creativity so that students' lives may be enriched.

III. PROGRAM ACTIVITIES

- A. Photography,
- B. Computer Art
- C. Ceramics/Sculpture
- D. Fibers/fabrics
- E. Drawing
- F. Painting
- G. Crafts

- H. Printmaking
- I. Provisions to be made for the disabled.

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio: 1:28
 Grade Levels for Which Program is Intended: 9 - 12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

A hard-surface patio area of, approximately, 2,000 sq. ft., is being recommended. The patio shall be accessible from each laboratory and shall have planting areas for greenery and adequate drainage. A "lattice-effect" patio cover shall be provided that is stable enough to support hanging plants, sculpture (190 lbs. maximum), etc. Roof overhang shall be 12'H for ceramics laboratory and 8'H for other laboratories. Sculpture court will be used as an instructional area; square footage of sculpture court is included in the 34% circulation allotment.

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

- A. Two darkrooms shall be combined into one space; two kiln areas shall be combined into one space.
- B. Two art spaces are provided in the facility list and educational specification; however, three art programs are listed in the program furniture and equipment.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	Art					
2	Art Laboratory		1,484	2,968	28	56
2	Kiln Room (combined into 1)		60	120		
2	Project Storage		150	300		
2	Material Storage		155	310		
2	Darkroom (combined into 1)		100	200		
	Total			3,898		56

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Drawing/Painting

No. of Items	In Contract	Not in Contract	Description
1		X	Teacher desk with chair
1		X	File cabinet, four-drawer, legal, lateral, lockable
12		X	Easels
10		X	Tables, 42" x 60"
30-40		X	Stools
1		X	Light Table, 24" x 36"
1		X	Mat cutter
2		X	Paper cutter table
1		X	Paper cutter, 36"
15		X	Art horse
2		X	Architectural horizontal storage file, five-drawer, lockable, 24" x 36"
1		X	Staging package -- model/still-life
2	X		Carrel, wet
1		X	Drying rack, on casters
5		X	Tripod lamp
1		X	Shrink wrap system
2		X	Painting racks, vertical rows
4		X	Computer with CD burner
		X	Scanner
2		X	Printer
1	X		8' stainless steel sink with four individually controlled faucets and clay traps
1	X		Triple, stainless steel sink (no dividers)
2	X		Storage cabinets for at least 210 tote trays total, lockable doors, 4'W x 6'H x 22"D.
1	X		Bookcase, 5'L
1	X		Marker board, 4' x 1 6' with map rail and flag holder
2	X		Tack boards, 4' x 4'
1	X		6' x 8' video format screen with black masking borders
1	X		Pencil sharpener with property backing
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

B. Printmaking/Photography

No. of Items	In Contract	Not in Contract	Description
1		X	Teacher desk with chair
10		X	Tables, 42" x 60"
30-40		X	Stools
1		X	Light Table, 24" x 36"
1		X	Mat cutter
2		X	Paper cutter table
1		X	Paper cutter, 36"
2		X	Architectural horizontal storage file, five-drawer, lockable, 24" x 36"
1		X	Drying rack, on casters
1		X	Air compressor
6		X	Air brush station, spray booth, small, portable
1		X	Drymount press
1		X	Copy stand
1		X	Photo paper trimmer
2		X	Hanging safe light
24		X	Computer with CD burner
6		X	Scanner
4		X	Printer
2	X		8' stainless steel sink with four individually controlled faucets and clay traps
1	X		Triple, stainless steel sink
1	X		Teacher storage cabinet, lockable, 36"W x 30"D x 72"H, cabinet, with adjustable shelving, lockable
2	X		Storage cabinets for at least 210 tote trays total, lockable doors, 4'W x 6'H x 22"D.
1	X		Bookcase
1	X		Marker board, 4' x 16' with map rail and flag holder
2	X		Tack boards, 4' x 4'
1	X		6' x 8' video format screen with black masking borders
1	X		Pencil sharpener with property backing
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

C. Sculpture/Ceramics

No. of Items	Contractor Provided	District Provided (FF&E)	Description
12		X	Sculpture stand
3		X	Garbage can on rollers
2		X	Wedging table
30-40		X	Stool
1		X	Spray booth
6		X	Work bench
2		X	Slab roller
1		X	Pug mill
2	X		Kiln, electric
1	X		Raku kiln, on patio
1		X	Scroll saw
		X	Paper cutters – various sizes

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Glaze storage unit
1		X	Wet-dry vacuum
1		X	Hand vacuum, small
1		X	Heat-proof kiln cart
1		X	Clay extruder, with hollow disc kit
2		X	Drying cabinet
1		X	Ware cart
1		X	Dolly
2		X	Hand drill, with a paint mixer
1		X	Shelving for greenware and bisque for 5 classes, mess wire cabinets
1		X	File cabinet, four-drawer, legal, lateral, lockable
12		X	Potter's wheel, electric with one F.A.C.B.C. accessible
1		X	Teacher desk/workstation with chair
4		X	Computer
2		X	Printer
2	X		8' stainless steel sink with four individually controlled faucets with clay traps
1	X		Triple, stainless steel sink
1	X		Double sink
1	X		Washer, heavy duty
1	X		Dryer, heavy duty
1	X		Teacher storage cabinet, lockable, 36"W x 30"D x 72"H, cabinet, with adjustable shelving, lockable
1	X		Bookcase, 5'L
1	X		Marker board, 4' x 16' with map rail and flag holder
2	X		Tack boards, 4' x 4'
1	X		6' x 8' video format screen with black masking borders
1	X		Pencil sharpener with property backing
2	X		Storage cabinets for at least 220 tote trays total, lockable doors, 4"W x 6'H x 22"D
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

D. Darkroom

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Film development equipment
1		X	Film loading device
2		X	Enlarger plus timer, photo
1		X	Paper trimmer
2		X	Safe light
1		X	Easels, grain focusers, trays
2		X	Wall Timers
		X	Tanks, chemicals
2		X	Seating stool
1	X		Tub with goose neck faucet (HW/CW).
1	X		Sink - large, double stainless or resin located in the middle of the room (free standing with hood and vent)
	X		Built-ins (refer to special considerations)

E. Kiln Room

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Cart, two shelves
1	X		Utility tub (HW/CW) with clay trap
2	X		Kiln, electric, three-tiered, automatic setter and necessary kiln furniture.
1	X		Damp Cabinet
	X		Built-ins (refer to special considerations)

F. Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Complete set of hand tools, e.g., saw, hammer, pliers, etc.,
2		X	Cart storage, on casters, tight-fitting top, metal-lined
1		X	Cart for storing two dimensional reproductions, minimum interior, 24" x 30"
1	X		Cabinet, double door, lockable
1	X		Divided cabinet, 84"H x 56"W x 28"D. One side to have four adjustable shelves, two shallow drawers, and one deep drawer. Other side to have three open shelves.
1	X		Flammable storage cabinet
	X		Built-ins (refer to special considerations)

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

A. Heating/Cooling/Ventilation - As required to meet District Standards.

- B. Acoustical** - As required to meet District Standards.
- C. Floor** - As required to meet District Standards. Floor shall colored sealer on concrete in the kiln room. Floor drain in each of the laboratories and kiln room shall be equipped with lift-out sediment traps for easy cleaning. Potter's wheel area shall be concrete floor sealed with a hard resin. Provide two drains and hose connection in potter's wheel area. Threshold shall be ½" h to keep water from flowing out of room when rinsing floor. The floor covering shall be durable, smooth, resilient and easy to clean.
- D. Wall** - As required to meet District Standards. Provide tackable vinyl covered wall panels where space allows, including cabinet fronts. Provide half wall to separate pottery area and laboratory. Half wall should be no higher than 42" above finished floor.
- E. Ceiling** - As required to meet District Standards. Sculpture laboratory shall have a system of at least six hooks in the student work area to support, approximately, 150 lbs. each, used to hang weaving frames, drying lines, print plate lines, mobiles, etc.
- F. Lighting** - As required to meet District Standards. In addition to regular lighting, provide track lights for display on bulletin board wall and display areas. Provide fluorescent lights in storage and kiln room. Provide ceiling attachments and outlets for portable spotlights for still-life arrangements and figure poses. Display windows (2) in hallway shall have strip lighting across top and down both corners next to glass in front inside of window. Flood lights in patio area. No plastic covers on lights in kiln room.
- G. Windows** - As required to meet District Standards. .
- H. Doors** - As required to meet District Standards.
- I. Water/Plumbing Fixtures** – As required to meet District Standards. .
- J. Communications** - As required to meet District Standards. .
- K. Electrical** - As required to meet District Standards.
- L. Instruction Technology** – As required to meet District Standards. .
- M. Gas and Air** - As required to meet District Standards.
- N. Safety** -
1. Kiln room precautions for excessive heat/noxious fumes.
 2. Adequate ventilation for chemicals and acids.
 3. As required to meet District Standards.
- O. Fencing** - As required to meet District Standards.
- P. Service Drives** - As required to meet District Standards. Service drive to

sculpture/ceramics shall be accessible to patio area gate for delivery of heavy items and loading of art work for community display.

Q. Parking - As required to meet District Standards

R. Built-ins

1. Each Laboratory

- a. In all laboratories, each storage cabinet door and drawers shall be F.A.C.B.C. compliant, lockable, including darkroom. In ceramics laboratory, provide slate tops for counters.
- b. Provide each laboratory with 12" x 18" x 26" shelving, lockable.
- c. Provide TV/Multimedia cabinet, approximately 48" in height with the TV monitor sitting on top of the cabinet. The TV/Multimedia cabinet shall include lockable doors with adjustable shelving for multimedia equipment. The TV/Multimedia cabinet shall also have grommets for wire management. The TV/Multimedia cabinet shall be located along or near the teaching wall.
- d. Provide computer counter to accommodate four (4) computers and two (2) printers (14'W x 30"D). The counter shall have grommets for wire management. (No computer counters in Photography Lab)
- e. Provide open shelving near classroom entrance for students personal items.
- f. Ceramic Laboratory –
 - i. Provide storage, 7'H, adjustable, for seven classes, crafts and ceramics only; can be stationary in ceramics. Cabinets shall be double door with separate locks.
 - ii. Provide base cabinet with double sink with clay traps adjacent potter's wheel area.
 - iii. Provide shelves, large, deep, nonadjustable and damp box unit with heavy wire shelving.
 - iv. Provide open shelving, 18", in potter's wheel area on available wall; space to begin 4' from floor.
- g. Painting Laboratory – Provide shelves, vertical, horizontal, adjustable.
- h. Provide base cabinet with 8' stainless steel sink.

2. Project Storage.

- a. Provide metal shelving with adjustable shelves on all walls.

3. Material Storage

- a. Provide shelving, 12", 18", 24" and 34" full-height, adjustable, on available

wall space.

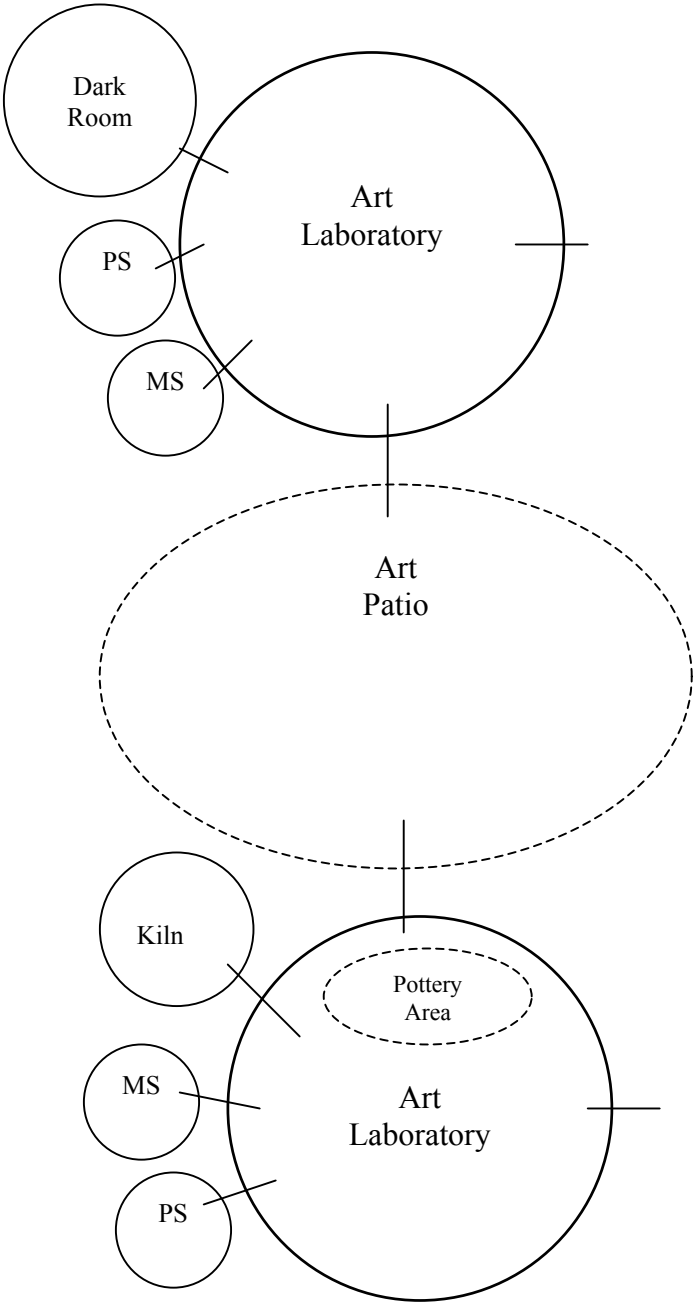
4. Kiln Room
 - a. Provide metal open shelving, 18", full-height, in kiln room on available wall space.
 - b. Provide counter, 3'D, for enlarger & paper trimmer and upper cabinets with doors, adjustable shelves and lockable. Provide individual spaces for enlarger, 30" x 30", separated by dividers
5. Provide recessed display cabinet in hallway (2), approximately, 6'H x 3'W x 18"D.

S. Other considerations

1. Space between cabinet top, 4', and ceiling to be used for still-life objects and 1drying of large projects. A portion of 4' space shall have shelving to maximize storage.
2. The visual and performing arts shall have their facilities designed and constructed in proximity to media center and theater/auditorium.
3. Potter's wheel area separated by a half-wall from general classroom area.
4. Protection from weather shall be provided for kiln on patio.
5. Patio shall not adjoin areas where odor from raku kiln would be offensive, e.g., home economics, cafeteria.
6. Provide shrubs/or hedge in front of wall around sculpture court to prevent students from sitting on wall. Wall, to be, approximately, 36"H.
8. Provide vented storage cabinets in ceramics laboratory and solid doors with tackboard in other laboratory.
9. Add overhead cabinets above the sinks in each laboratory.
10. In the darkroom, a silver photo recovery system shall be in accordance with the current policy of the School District of Palm Beach County.
11. Darkroom shall be F.A.C.B.C. compliant.
12. The kiln room shall be a one hour rated enclosure.
13. The darkroom shall have approximately fifteen workstations along the perimeter with sink(s) in the middle.
14. Art patio shall have benches.
15. The art patio, provided by contractor, shall have a north or east exposure.

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
SPATIAL RELATIONSHIPS

ART



MS = Material Storage
PS = Project Storage

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
AUDITORIUM/STAGE

I. PROGRAM PHILOSOPHY

This auditorium shall provide an all-encompassing facility whereby students and community have the opportunity to participate in and experience the multi-disciplined interrelationships of visual and performing arts.

II. PROGRAM GOALS

To develop a state-of-the-art facility for student and community use that allows performance and participation in all areas of the fine arts.

III. PROGRAM ACTIVITIES

Program activities will be accessible to all age groups and all disciplines of the arts, e.g., assemblies, dramatic presentations, film and multi-media programs, visual art presentations, choral and instrumental programs, dance, staff and community development programs, etc.

IV. ORGANIZATIONAL NOMENCLATURE

Student Seating - 835

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

Facility is designed for multiple use. Innovations include the following:

- A. Technical construction workshop
- B. Art gallery
- C. Video control booth
- D. Lobby to feature large art gallery
- E. Computer capability, in house intercom, audio visual ability.

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

- A. 830 NSF from media space is to be incorporated into stage and wings to increase the size from 990 NSF to 1,820 NSF.
- C. 225 NSF from music space to be used as green room/recording.
- D. NSF from Stage Storage shall be used to create a separate piano storage.
- E. 100 NSF from Reading/Stacks shall be used to create a 200 NSF the Video Control Room/Projection Room.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	<u>Auditorium/Stage</u>					
1	Seating for 600			7,200		
1	Stage (990 NSF allowable plus 830 NSF from Reading Room allocation)	990		1,820		
1	Technical/Construction Workshop			1,140		
1	Storage (including piano storage)			1,250		
2	Dressing Rooms		625	1,250		
1	Video Control Room/Projection Room (100 NSF from Reading/Stacks)	100		200		
1	Lobby/Art Gallery			1,250		
1	Concession			200		
1	Ticket Booth			30		
1	Green Room / Recording (from Music)			225		
	Restrooms (from allotment)					
	Total			14,865		

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Seating Area

No. of Items	Contractor Provided	District Provided (FF&E)	Description
835	X		Seats, folding auditorium seats
1	X		Chair lift for disabled near stage
1		X	Lectern, port-a-sound
1		X	Lectern with microphone and input to main sound system
1		X	Marker board, portable

B. Stage Area

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Piano, upright, with cover
1		X	Portable, acoustical shell for band and choral performances
	X		Curtain (fireproof)/scrim, manual
	X		Microphone outlets throughout theater - also "fly" microphones in mid- stage
1	X		Rear projection system
1	X		8' x 10', minimum, video format screen with black masking borders
	X		Built-ins (refer to special considerations)

C. Technical - Construction Workshop

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Radial arm saw
1		X	Band saw
1		X	Table saw
1		X	Drill Press
1		X	Shop work table
1	X		Tool cabinet, lockable
1	X		Flammable storage cabinet, lockable
20	X		Student lockers, lockable
1	X		First aid kit, wall mounted
1	X		Double stainless steel sink
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
1	X		Marker Board, 4' x 16', with map rails & flag holder
2	X		Tack Board, 4' x 4'
1	X		6'x 8' video format screen with black masking borders
	X		Built-ins (refer to special considerations)

D. Dressing Room (2)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
6		X	Chairs, stable
1	X		Single sink with (HW/CW).
1		X	Full length mirror
1	X		Tack board, 3' x 4',
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
2	X		Wardrobe cabinet, lockable
	X		Built-ins (refer to special considerations)

E. Video Control Room

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Sound board for theater with wireless microphones & system
1	X		Computerized dimmer lighting board for theater
1	X		Projection areas on stage, in house, in booth
1		X	Stool
1		X	Projector with remote control for booth (that has a remote control at stage also)
1		X	File cabinets, four-drawer
1	X		Base Ban in/on stage floor that can be used for video cameras that are being monitored by the person(s) in recording room. Need monitor capability in the control room in back area of theater
	X		Hanging microphones, on stage front plus outlets in stage area for standing microphones

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Clock, battery
	X		Built-ins (refer to special considerations)

Base Ban system from stage with additional in-house and in video control room.

F. Green Room

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Sofa, three seats
1		X	Coffee table
1		X	Lounge chairs, executive type
1	X		Mirror, full length
1		X	End table
1		X	Lamp
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
1	X		Wardrobe Cabinet, lockable
	X		Built-ins (refer to special considerations)

G. Costume Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
2	X		Cedar closet, 8'L x 6'H x 30"D
2	X		Wardrobe cabinet, lockable
20	X		Student lockers, lockable
	X		Built-ins (refer to special considerations)

H. Lobby/Art Gallery

No. of Items	Contractor Provided	District Provided (FF&E)	Description
		X	Portable easels
		X	Lobby furniture
	X		Benches
	X		Built-ins (refer to special considerations)

I. Ticket Booth

No. of Items	Contractor Provided	District Provided (FF&E)	Description
2		X	Stools, padded
1	X		Clock, battery
	X		Built-ins (refer to special considerations)

J. Concession

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Refrigerator
1	X		Ice Maker
1		X	Microwave
1	X		Clock, battery
	X		Built-ins (refer to special considerations)

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

For specific ventilation and fire protection requirements refer to SREF.

A. Heating/Cooling/Ventilation – As required to meet District Standards. Typically, the HVAC systems will include the following:

1. **Lobby and seating area:** Provide HVAC system with separate temperature control zones.
2. **Stage and associated areas:** Provide HVAC system with separate temperature control zones for stage/wings, dressing rooms and workshop.
3. **Piano storage:** Provide small dehumidifier. Provide own separate climate control.
4. **Workshop:** Provide vent for flammable materials storage cabinet. Consideration shall be given to ventilation and life/safety needs (dust collectors, etc.) in the technical/construction workshop area

B. Acoustical - As required to meet District Standards.

C. Floor - As required to meet District Standards.

1. Provide unfinished, right-cut pine stage floor, stained black.
2. Seating area shall be sloped.
3. Aisles, shall be rubberized flooring.
4. Flooring in the technical –construction workshop shall be painted concrete.

D. Walls - As required to meet District Standards.

E. Ceiling - As required to meet District Standards.

F. Lighting - As required to meet District Standards.

1. Provide ceiling lights in seating area attached to dimmer system.

2. Provide track lighting in art gallery/lobby area.
3. Provide spotlights, in projection booth.
4. Auditorium, backstage and projection room – provide adequate lighting, it is necessary for each section of the auditorium. Each section shall contain adjustable spotlights, banks of fluorescent overhead down-lamps, overhead fixed-surface lighting lamps, aisle down-lamps, etc., all on separate circuits and controlled from projection room.
5. Provide standard theater stage lights, remotely operated. An overhead grid system with catwalk(s) shall house the specially designed stage lighting system. A proven stage lighting engineer and working stage electricians must be consulted. Overall, three complete separate lighting systems are needed. Controls for these systems shall be located in the projection room. Each shall have separate circuitry and dimmer panels:
 - a. Stage lighting
 - b. Incandescent general lighting in seating area
 - c. Fluorescent general lighting in seating area and on stage
6. Provide dressing rooms with special makeup lights on wall mirrors, length of wall. Provide multiple, small high wattage lights.
7. Projection room lighting on rheostats.
8. Green room – provide diffused overhead lighting.

G. Windows - As required to meet District Standards.

1. Provide vision windows from lobby to art garden and from projection room to theater.
2. Provide slotted window on ticket booth.

H. Doors - As required to meet District Standards.

1. Provide overhead door at rear entrance to technical construction workshop.
2. Provide double door with removable mullions leading to seating area from lobby.
3. Provide double glass door at entrance to art garden.
4. Provide double door with removable mullion to property storage and piano storage.
5. Piano storage - doors swing out, if a separate space; piano can be stored adjacent to green room.
6. Outside door to stage should be a higher overhead door for movement of material.

I. Water/Plumbing Fixtures - As required to meet District Standards.

1. Provide scrub sink in property storage and technical construction workshop.
2. Provide drinking fountains on both sides of stage and outside of dressing rooms.
3. Provide double sink in technical construction workshop.
4. Provide sink in concession area.

J. Communications - As required to meet District Standards.

1. All items as stated in equipment needed for video projection room (VIII).
2. Provide four microphone inputs in front stage; four microphone inputs on stage.
3. Provide stage monitor speakers.
4. Provide dressing room/recording, green room, monitor speakers.

5. Provide appropriate communication, wireless system for hearing impaired.
6. Provide telephone jack in ticket booth.
7. Wired for ITV, with closed-circuit capability for stage and seating area.
8. Provide computer capability, in house. Intercom, audio/visual ability easily accessible throughout.
9. Provide intercom to: ticket booth, orchestra, stage R and L, dressing rooms, technical construction workshop, remote control units, catwalks, projection room, green room, control room

K. Electrical - As required to meet District Standards.

1. Electrical wiring designed by professional theater lighting consultant for stage lighting in auditorium, on stage and in video projection studio.
2. Wiring for technical construction workshop designed by industrial arts design consultant.

L. Instructional Technology – As required to meet District Standards. Provide computer/data hook ups in dressing rooms, green room, control room and other designed areas.

M. Gas and Air - As required to meet District Standards.

N. Safety - As required to meet District Standards.

O. Fencing - As required to meet District Standards.

P. Service Drives - As required to meet District Standards. Overhead door of backstage in technical construction workshop shall open to a ramp for deliveries and transportation of props, scenery and AV equipment.

Q. Parking - As required to meet District Standards. Easy access to auditorium complex.

R. Built-ins

1. Stage Area
 - a. Provide stage curtains with tormentors, teasers, laced-down cyclorama and scrim
 - b. Provide grid.
 - c. Provide weight and counterweight system
 - d. Provide lighting battens
2. Ticket booth – Provide counter top with drawers for use with ticket sales.
3. Lobby/Art Gallery
 - a. Provide lighted, glass cases and encased shelving.
 - b. Provide hooks in ceiling for hanging art.
 - c. Provide lighted, glass case inside and outside lobby area for events displays.

d. Provide benches in art garden.

4. Video Projection Room

- a. Provide counter under vision windows with shelving and large drawer space.
- b. Provide secured equipment storage cabinet.
- c. Provide counter and shelves for editing systems.
- d. Provide wall-mounted monitor shelves.

5. Storage

- a. Provide open shelving on two walls.
- b. Provide one large locked cabinet.

6. Dressing Rooms – Provide vanity counter with drawers and cabinets;

7. Technical Construction Workshop – Provide lumber storage area and flat storage area. Provide counter with drawers around sink area. Provide regular storage cabinets.

8. Concession – Provide two rows of shelving under counter; adjustable shelves with a 2" lip. Provide three rows of adjustable shelving on opposite wall from counter.

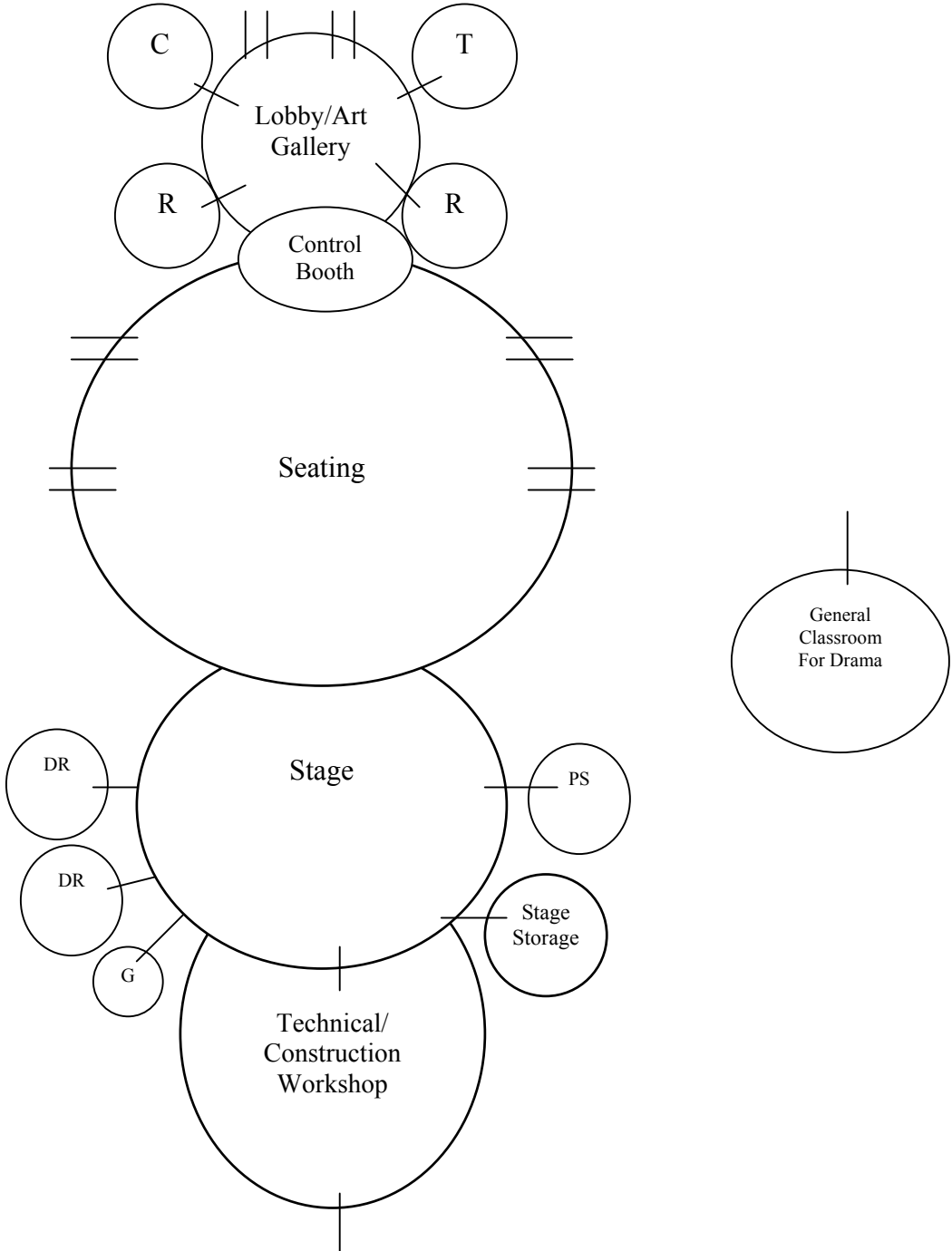
9. Costume Storage – Provide maximum racks around the perimeter.

S. Other Considerations

- 1. Choral/instrumental music rooms/building shall be located behind stage area of auditorium.
- 2. If video control projection room is located on the second floor, it shall be accessed by ramp or elevator to facilitate movement of equipment.
- 3. The art garden shall be designed for minimum maintenance.
- 4. The audio/visual equipment stated throughout above plan, shall be state-of-the-art, designated by appropriate consultants.

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
SPATIAL RELATIONSHIPS

Auditorium



- C = Concession
- G = Greenroom
- R = Restroom
- T = Ticket Booth
- DR = Dressing Room with restroom
- PS = Piano Storage

COMPUTER EDUCATION
Skills Development Laboratory

I. PROGRAM PHILOSOPHY

All students shall have the opportunity to gain an understanding of capabilities, applications and social impact of computer technology. As our technology increases more rapidly, it is important for a person to adapt to this changing technology.

II. PROGRAM GOALS

Students will have an opportunity to:

- A. Study computer capabilities and limitations
- B. Investigate computer-related careers
- C. Develop problem solving ability with computers
- D. Acquire a desire for optimum development in computer education
- E. Study different computer languages
- F. Be creatively challenged commensurate with ability.

III. PROGRAM ACTIVITIES

The following courses will be taught in Computer Laboratory:

- A. Computer Applications I/II
- B. Computer Programming I, II & III
- C. Emergent Technologies
- D. Advanced Placement Computer Science

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio: 1:25

Grade Levels for Which Program is Intended: 9 - 12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

A general purpose Computer Education Instruction (CEI) Laboratory shall be used by all departments on a scheduled basis. Teachers would be able to integrate computer-enhanced instruction into their own curriculum area.

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

- A. Material Storage and Teacher Planning shall be folded into classroom to create a classroom of 900 NSF.

VIII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	<u>Computer Education/Skills Laboratories</u>					
4	Skills Development Laboratories & Storage		900	3,600	25	100
	Total			3,600		100

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Laboratory

No. of Items	Contractor Provided	District Provided (FF&E)	Description
30		X	Workstation with wire management
1		X	Activity Table
1		X	Teacher desk/workstation with chair
2		X	File cabinet, four-drawer, legal, lateral, lockable
30		X	Chair, stackable
30		X	Computers
4		X	Printers
1	X		Marker Board, 4' x 16', with map rails and flag holder.
2	X		Tack Board, 4' x 4'
1	X		6' x 8' video format screen with black masking borders
1	X		Pencil sharpener with proper backing
2	X		Teacher storage cabinet, 36'W x 30"D x 72"H, with adjustable shelving, lockable
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

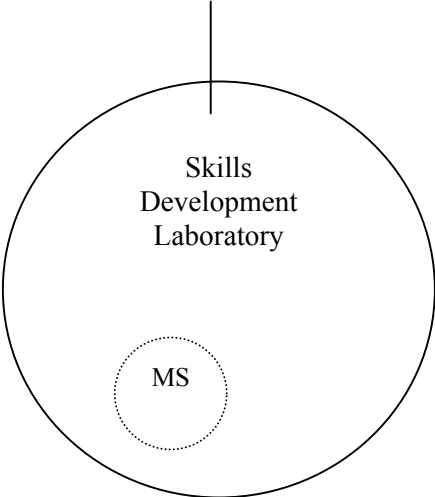
- A. **Heating/Cooling/Ventilation** – As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** - As required to meet District Standards.
- G. **Windows** - As required to meet District Standards.

- H. **Doors** - As required to meet District Standards.
- I. **Water/Plumbing Fixtures** – As required to meet District Standards.
- J. **Communications** - As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards.
- L. **Instructional Technology** - As required to meet District Standards. Provide computer/data hook ups for student use to allow perimeter and/or peninsular set-up.
- M. **Gas and Air** - As required to meet District Standards.
- N. **Safety** - As required to meet District Standards.
- O. **Fencing** - As required to meet District Standards.
- P. **Service Drives** - As required to meet District Standards.
- Q. **Parking** - As required to meet District Standards.
- R. **Built-ins**
 - 1. Provide maximum upper cabinets with lockable doors and adjustable shelves with inside clearance of 14”.
 - 2. Provide TV/Multimedia cabinet, approximately 48” in height with the TV monitor sitting on top of the cabinet. The TV/Multimedia cabinet shall include lockable doors with adjustable shelving for multimedia equipment. The TV/Multimedia cabinet shall also have grommets for wire management. The TV/Multimedia cabinet shall be located along or near the teaching wall
- S. **Other Considerations**

N/A

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
SPATIAL RELATIONSHIPS

Computer Education/Skills Development Laboratories



MS = Material Storage

**DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
CUSTODIAL**

I. PROGRAM PHILOSOPHY

Staff and students can expect a clean healthful environment in which to teach and learn. A properly organized and trained custodial staff has the ability to ensure the sanitation and regular cleaning of any facility, if their cleaning program is supported through the cooperation of the entire staff and student body. Custodians are allocated based on the size of the school (square feet) in sufficient numbers to maintain the cleanliness of the facility and care must be exercised that cleaning is their primary function. Redirection of the custodial staff to non-cleaning functions can severely impact the cleanliness of the facility. Staff and students help ensure the success of a custodial program through avoiding abuse of the facility. Our investment in school facilities is protected by initial provision and utilization of sufficient, effective equipment and personnel.

II. PROGRAM GOALS

To provide a safe, sanitary and aesthetically acceptable learning and work environment through proper utilization of human resources, material, equipment and methods.

III. PROGRAM ACTIVITIES

- A. Prepare and maintain adherence to work schedules to ensure regular, daily cleaning of the entire facility in accordance with "Instructional Handbook for Custodians."
- B. Maintain personal use facilities (restrooms, water fountains, shower rooms, sinks) in clean and sanitary condition to minimum standards of State Requirements for Educational Facilities (S.R.E.F.) regulations and in accordance with the "Instructional Handbook for Custodians."
- C. Assure that school grounds are kept free of litter and safety hazards.
- D. Report all hazardous conditions immediately.
- E. Observe and adhere to all safety and fire regulations regarding storage of material and maintenance and use of equipment.
- F. Maintain security of buildings during non-school hours.
- G. Report any items in facility in need of repair.
- H. Maintain custodial equipment so that it is clean and usable at all times.
- I. Use only authorized materials, methods and equipment to accomplish program goals.
- J. Maintain orderly storage and running inventory of custodial supplies and reorder as necessary for timely replacement.
- K. Attend training classes as provided.

IV. ORGANIZATIONAL NOMENCLATURE

Number of custodial staff determined as a function of Budget Department.

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

Personnel - Desired trend is to employ more competent custodians with better organized work schedules, in-service training and supervision. Total staff shall be able to read and write and must be able to communicate in English. Custodial foreperson must have demonstrated ability to perform in accordance with all requirements of the position.

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

A. 250 NSF is allocated from custodial total for P.E. outdoor storage.

B. 450 NSF from dining for Golf Cart Storage Area to accommodate 5-6 electrical carts.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	Custodial					
	Central Receiving, Service Closets, Lockers /Restrooms (including shower), Workroom, Office, Furniture Holding (250 NSF to P.E. storage)	1,980		1,730		
1	Flammable Storage			155		
1	Equipment Storage			500		
1	Golf Cart Storage (from dining)			<u>450</u>		
	Total			2,835		

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Custodial Foreperson Office

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Metal desk/workstation with chair
1		X	File cabinet, four-drawer, legal, lateral, lockable
2		X	Side arm chair,
1		X	Computer
1		X	Printer
1	X		Clock

B. Main Custodial Room/Central Receiving /Workroom/Equipment Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
4		X	Table with chair
1		X	Workbench
1		X	Time clock, automatic
1		X	Time card rack
1	X		Tack board, 4' x 4'
1		X	File cabinet, four-drawer, legal, lateral, lockable
6		X	Stepadders: two 10', two 6', two 3'H
8		X	Custodial cart
1		X	Flat cart, four-wheel, for material handling
3		X	Vacuum cleaner, heavy-duty, wet/dry, with accessories
3		X	Vacuum cleaner, upright, high productivity, with beater bar
6		X	Vacuum cleaner, backpack, with accessories
1		X	Desk mover
1		X	Floor machine, 18" - 21", high speed, 275 - 300 rpm, for spray buff for resilient floor areas
1		X	Floor machine, 20", burnishing, 1500 - 2000 rpm
4		X	Floor machine, 18"W, standard
4		X	Hand truck
1		X	Telescoping ladder
2		X	Stripping brush, 18"W, Flo-Pac
1		X	Sweeper, battery-powered, interchangeable brush for inside/outside or push-type sweepers, with side broom
4		X	Floor Fan
1		X	Vise
3		X	Tank sprayer, plastic
1	X		First Aid kit, wall-mounted
12		X	Safety goggle
1		X	Screwdriver, set
1		X	Wrench, open-end set
1		X	Wrench, adjustable set (6", 8", 10")
1		X	Hammer
1		X	Electric drill, 3"
1		X	Drill set
1		X	Socket set (40 - piece)
1		X	Offset pliers
1		X	Regular pliers
1		X	Personnel lift for use in gymnasium
1	X		Service sink (HW/CW)
1	X		Safety shower with no curb
1	X		Washer, commercial
1	X		Dryer, commercial
1	X		Eye wash station.
1	X		Refrigerator, residential, 22 cu.ft.
		X	Vending machine(s)
1	X		Fire blanket
	X		Fire extinguishers conforming to the State Requirements for Educational Facilities (S.R.E.F.)
1	X		Key box
10	X		Lockers
1	X		Clock, battery

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
	X		Built-ins (refer to special considerations)

C. Flammable Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
2		X	Blower, gasoline-powered, hand-held or backpack
1		X	Pressure sprayer, gasoline-powered
1		X	Pressure cleaner
	X		Fire extinguishers, per code
1	X		Fire blanket
	X		Built-ins (refer to special considerations)

D. Service Closet (per closet)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Service sink, floor mounted (HW/CW).
1		X	Service Cart
	X		Built-ins (refer to special considerations)

E. Golf Cart Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
5-6		X	Golf Carts, electrical
	X		Built-ins (refer to special considerations)

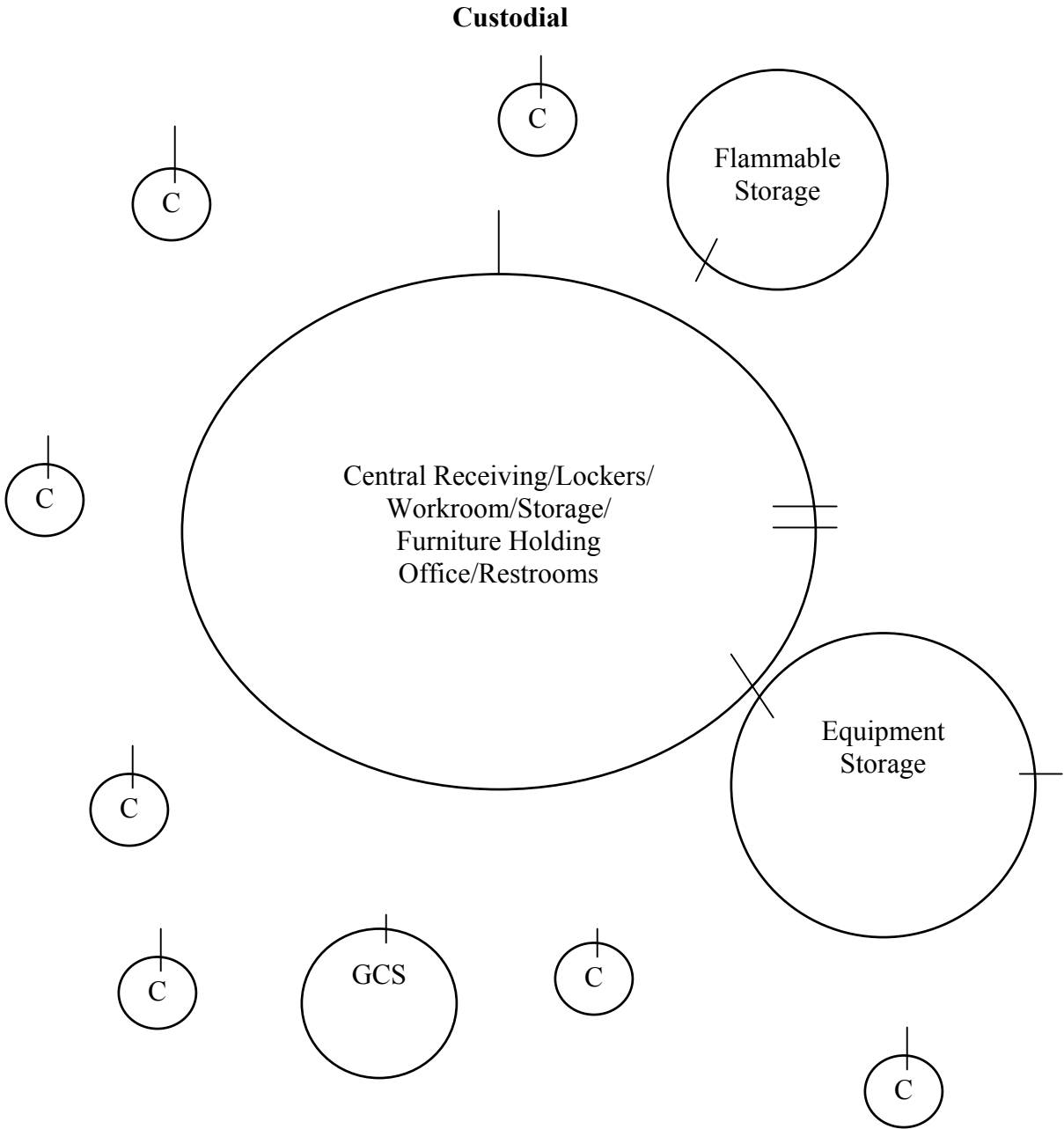
IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards. One third of central receiving shall be partitioned with wire mesh for security storage.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** - As required to meet District Standards. Provide explosion proof in flammable storage.

- G. **Windows** - Provide vision window from custodian's office to custodial workroom and central receiving. None, for security reasons.
- H. **Doors** - As required to meet District Standards. Provide metal, lockable, extra wide or overhead for receiving. Provide metal for flammable storage area, with at least 6'W opening. Provide metal door with at least 6' W opening for golf cart storage.
- I. **Water/Plumbing Fixtures** - As required to meet District Standards.
- J. **Communications** - As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards
- L. **Instructional Technology** - As required to meet District Standards.
- M. **Gas and Air** - As required to meet District Standards.
- N. **Safety** – As required to meet District Standards.
- O. **Fencing** - As required to meet District.
- P. **Service Drives** - Service drive to central receiving storage area with loading dock. As required to meet District Standards.
- Q. **Parking** - Storage and charging area for battery-powered carts. As required to meet District Standards.
- R. **Built-ins** -
1. **Central Receiving** – Provide adjustable, 18"D, steel shelving, floor-to-ceiling on all walls, plus sufficient, free-standing shelving to provide necessary storage. Provide wire mesh and adjustable, 18"D, steel shelving, floor-to-ceiling for storage area in central receiving.
 2. **Service Closets** – Provide adjustable, 12"D, steel shelving, on one wall, mid-wall to ceiling.
 3. **Golf Cart Storage** – Provide adjustable, 12"D, steel shelving, on one wall, mid-wall to ceiling.
- S. **Other Considerations**
1. Trash compactor, located in depressed area, to accept and compact all trash and garbage for pick-up by local trash contractor.

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SPATIAL RELATIONSHIPS



C = Closets, per SREF
GCS = Golf Cart Storage

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
DRIVER EDUCATION

I. PROGRAM PHILOSOPHY

In accordance with total school philosophy.

II. PROGRAM GOALS

In accordance with school goals.

III. PROGRAM ACTIVITIES

A. Teacher Activities

1. Lectures
2. Audio-visual presentation
3. Demonstrations
4. Evaluation of students
5. Maintenance of records
6. Preparation and planning
7. Driving instruction on street

B. Student Activities

1. Large group discussion
2. Small group work
3. Demonstrations
4. Display models and mock-ups
5. Psycho-physical testing
6. View audio-visual materials
7. Test taking (verbal and written)
8. Demonstrate driving ability in vehicle

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio 1:25

Grade Levels for Which Program is Intended 9 -12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

N/A

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.):

- A. Since Suncoast has International Baccalaureate and Math, Science & Engineering Magnet/Choice Programs, additional computer drops shall be added to the Classrooms.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	<u>Driver Education</u>					
1	Classroom			756		25
1	Material Storage			90		
1	Teacher Planning			54		
	Total			900		25

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Classroom

No. of Items	Contractor Provided	District Provided (FF&E)	Description
25		X	Student Combo Desk
1		X	Teacher desk and chair
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Teacher lectern
4-6		X	Driving Simulators with electrical and data outlets, approximately 30"W x 51"L in size
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
1	X		Marker Board, 4' x 16', with map rails and flag holder
2	X		Tack Board, 4' x 4'
1	X		6' x 8' video format screen with black masking borders
6-8		X	Computers
2		X	Printers
1	X		Pencil sharpener with proper backing
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

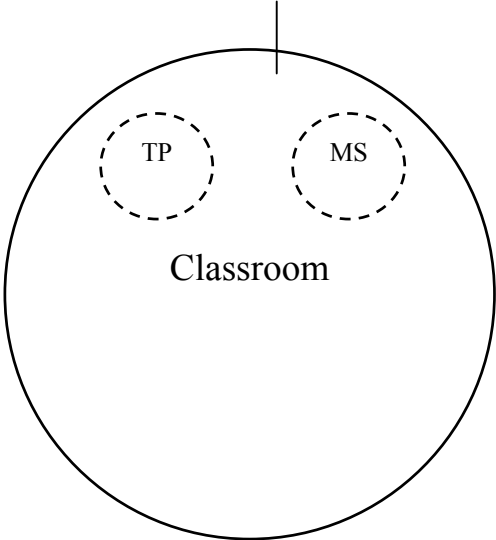
Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards.

- F. **Lighting** - As required to meet District Standards.
- G. **Windows** – As required to meet District Standards.
- H. **Doors** - As required to meet District Standards.
- I. **Water/Plumbing Fixtures** - As required to meet District Standards.
- J. **Communications** - As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards.
- L. **Instructional Technology** - As required to meet District Standards.
- M. **Gas and Air** - As required to meet District Standards.
- N. **Safety** - As required to meet District Standards.
- O. **Fencing** - As required to meet District Standards.
- P. **Service Drives** - As required to meet District Standards.
- Q. **Parking** - As required to meet District Standards. Provide for parking convenient to classroom for the driver education vehicle.
- R. **Built-ins**
 - 1. Provide base cabinet with doors, lockable and adjustable shelves, 34"H, and upper cabinets with doors, lockable and adjustable shelves.
 - 2. Provide built-in bookcase, 5'L x 15"D x 40"H with adjustable shelves.
 - 3. Provide computer counter to accommodate 6-8 computers and two (2) printers. The counter shall have grommets for wire management.
 - 4. Provide TV/Multimedia cabinet, approximately 48" in height with the TV monitor sitting on top of the cabinet. The TV/Multimedia cabinet shall include lockable doors with adjustable shelving for multimedia equipment. The TV/Multimedia cabinet shall also have grommets for wire management. The TV/Multimedia cabinet shall be located along or near the teaching wall
- S. **Other Considerations** - N/A

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
SPATIAL RELATIONSHIPS

Driver Education



MS = Material Storage
TP = Teacher Planning

EXCEPTIONAL STUDENT EDUCATION

I. PROGRAM PHILOSOPHY

All exceptional students are entitled to receive appropriate educational services in the least restrictive environment which will enable them to have full equality of opportunity. Instructional program must fully meet the educational needs of students who deviate from the average to the extent that they require special education to develop their maximum potential.

II. PROGRAM GOALS

Students with special learning differences will be provided educational programs designed to meet their individual needs. Diagnostic evaluation, prescriptive planning and implementation of individual student programs will be provided.

III. PROGRAM ACTIVITIES

Students with special learning styles will be provided educational programs designed to meet their individual needs. Individualized and small group instruction will be provided in academic, learning strategies, pre-vocational/vocational, and daily living skills curriculum area.

A. Specific Activities

1. Emotionally Handicapped/Severely Emotionally Handicapped

- a. Behavior adjustment and group interaction: behavior management techniques and affective curriculum
- b. Academic instruction: remedial or regular curriculum
- c. Functional life skills
- d. Vocational preparation

2. Educable Mentally Handicapped

- a. Instruction in basic academic skills, social studies and science
- b. Social-personal skills development
- c. Functional life skills
- d. Vocational preparation
- e. Community referenced instruction

3. Trainable Mentally Handicapped

- a. Personal - social development, self management/home living skills
- b. Independent daily living skills, general community functioning skills
- c. Instruction in basic skills, functional academics
- d. Communication, embedded communication/motor/social skills
- e. Vocational preparation
- f. Community based instruction

4. Autistic

- a. Structured program to provide instructional strategies where Students frequently experience success.
- b. Academic instruction: remedial and/or regular curriculum.
- c. Functional life skills.

5. Itinerant Rooms / Supplementary Instruction

- a. Individualized or small group therapy
- b. Diagnostic testing
- c. Itinerant instruction: Hearing Impaired, Visually Impaired, Speech-Language Impaired)
- d. Psychological evaluations

6. Teacher Planning

- a. Program development
- b. Material preparation
- c. Conferences
- d. Office for department chairperson

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio

Self contained Instructional Classrooms: 1:10

Includes Physically Handicapped, Emotionally Handicapped and Trainable Mental Handicapped.

Part-Time Instructional Classrooms: 1:15

Includes Educable Mentally Handicapped, Specific Learning Disability, Hearing/Visually Impaired.

Laboratory: 1:12

Grade Levels for Which Program is Intended 9 - 12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

- A. After school and adult education classes specific to each exceptionality, e.g., Emotionally Handicapped - day treatment
- B. General use - Availability of interactive video with appropriate hook-ups. Access to computers in each classroom.
- C. Laboratory – One of the two laboratories shall be designed as a F.A.C.B.C. model apartment for teaching life skills (Trainable Mentally Handicapped Laboratory). It includes kitchen, laundry, and bathroom facilities.

- D. Other instructional uses can be for programs for English for Speakers of Other Languages.

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

- A. ESE classrooms and related spaces shall be disbursed throughout the campus in compliance with the School District inclusion philosophy and can be used as general classrooms for flexibility purposes.
- B. Combine the material storage and student storages from Supplementary Instruction Rooms to create space for Office / Testing.
- C. ESE restroom/changing room with shower, 3' x 5', wheelchair, roll-in capability, toilet, cot and sink in compliance with F.A.C.B.C. shall be provided. Restroom shall be a separate sterile space with private corridor entrance opening to the hallway.
- D. One Laboratory shall be located adjacent to at least two (2) Self-Contained Classrooms. This laboratory shall be designed as a F.A.C.B.C. model apartment for teaching life skills. It includes kitchen, laundry and bathroom facilities. This shall be located on the first floor.
- E. One laboratory shall be designed as the ESE Admin Suite to include Reception, Offices, Conference /Teacher Planning area, Storage & Staff Restroom.
- F. Combine Material Storages to create ESE Department Storage rooms.
- G. Supplementary Instruction spaces are to be used for Speech, Hearing and Vision Testing and for Crisis Intervention Office & Psychological Testing.
- H. The General Classrooms are shown as part of the ESE. However these ESE classrooms can be used as Part-Time instruction and are at the discretionary use of the school Principal. The architect shall work with District Staff on the use and design of the General Classrooms as additional computer laboratories for the school.
- I. ESE classrooms should be located on the ground floor whenever possible.
- J. Since Suncoast has International Baccalaureate and Math, Science & Engineering Magnet/Choice Programs, additional computer drops shall be added to the Classrooms.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	<u>Exceptional Student Education</u>					
3	General Classroom		756	2,258	25	75
3	Material Storage		90	270		
3	Teacher Planning		54	162		

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Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	Subtotal		900	2,700		
3	Self Contained Classroom		900	2,700	10	30
3	Restroom, Student		40	120		
	Subtotal			2,820		
1	Laboratory		1,140	1,140	12	12
	Restrooms & Shower (from allotment)					
	Subtotal		1,140	1,140		
	ESE Administration Suite					
1	Reception/Secretary.		225	225		
2	Offices		150	300		
1	Conference/Planning/Testing		300	300		
1	Storage		100	100		
	Staff Restroom (from allotment)					
	Subtotal			925		
2	Supplementary Instruction		200	400		
	Subtotal			400		
1	ESE Changing Room/Restroom		150	150		
1	ESE Department Storage		200	200		
	Subtotal			350		
	TOTAL			8,335		117

VII. PROGRAM FURNITURE AND EQUIPMENT

A. Self-Contained

No. of Items	Contractor Provided	District Provided (FF&E)	Description
5-10		X	Student desk, adjustable
1		X	Teacher desk and chair
1		X	File cabinet, four-drawer, vertical or lateral, lockable
3		X	Activity table
2		X	Cabinet, general storage with four adjustable shelves on one side, marker board on the other, with casters
2		X	Cabinet, cubbies with plastic trays on one side, marker board on the other.
1		X	Bookcase, double-sided, three adjustable shelves on each side, with casters
4		x	Carrel, free-standing, with storage shelf & grommets
10-12		X	Chairs, stackable, 18", plastic
2	X		Teacher storage cabinet, 36'W x 30"D x 72"H, with adjustable shelving, lockable
1	X		Marker Board, 4' x 16', with map rails and flag holder
2	X		Tack Board, 4' x 4'
1	X		6' x 8' video format screen with black masking borders
6-8		X	Computers
2		X	Printers
1	X		Pencil sharpener with proper backing

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Clock
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

**B. General Classroom used as:
Part - Time**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
10-15		X	Student desk, adjustable
1		X	Teacher desk and chair
1		X	File cabinet, four-drawer, vertical or lateral, lockable
4		X	Activity Table
2		X	Cabinet, general storage with four adjustable shelves on one side, marker board on the other, with casters
5		X	Carrel, free-standing with storage shelf & grommets
15-17		X	Chairs, stackable,
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
1	X		Marker Board, 4' x 16', with map rails and flag holder
2	X		Tack Board, 4' x 4'
1	X		6'x 8' video format screen with black masking borders
6-8		X	Computers (30 computers if room is designed for additional computer laboratory)
2		X	Printers (4 printers of room is designed for additional computer laboratory)
1	X		Pencil sharpener with proper backing
1	X		Clock
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

C. Laboratory (apartment)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Appropriate furniture for a one-bedroom apartment
1	X		Stainless steel, double sink with goose neck faucet (CW)
1	X		Dishwasher
1	X		Washer
1	X		Dryer
1	X		Hooded stove & oven, residential
1	X		Refrigerator, 22 cu.ft.
1	X		Microwave oven
1	X		Garbage disposal
6-8		X	Computers
2		X	Printers

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD

No. of Items	Contractor Provided	District Provided (FF&E)	Description
2	X		Marker Board, 4' x 8', with map rails and flag holder
2	X		Tack Board, 4' x 4'
1	X		Clock
1	X		6'x 8' video format screen with black masking borders
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

*Note: all appliances must be FACBC compliance.

D. Laboratory (ESE Admin Suite); Reception, Offices, Conference/ Planning

No. of Items	Contractor Provided	District Provided (FF&E)	Description
4		X	Reception Chairs
2		X	Side Chairs @ Offices
1		X	Desk/Workstations w/Chair
1		X	File Cabinet, Four drawer, vertical or lateral, lockable
1		X	Computer
1		X	Printer
1	X		Tack Boards, 3' x 4' (@ offices)
1		X	Conference Table
8		X	Conference Chairs
8	X		6'x 8' video format screen with black masking borders (@ Conference/Planning)
1	X		Marker Board, 4'x 8' (@ Conference/Planning)
1	X		Clock @ Reception
1	X		Built-ins (refer to special considerations)

E. Supplementary Instruction Room / Office Testing

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Teacher desk and chair
1		X	File cabinet, four-drawer, vertical or lateral, lockable
1		X	Activity Table
4-6		X	Chairs, stackable, 17", plastic
1	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
1	X		Marker Board, 4' x 8', with map rails and flag holder
2	X		Tack Board, 4' x 4'
1	X		6'x 8' video format screen with black masking borders
1		X	Computers
1		X	Printers
1	X		Pencil sharpener with proper backing
1	X		Clock

F. ESE Restroom

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Cot
1	X		F.A.C.B.C. Shower with no curb and with fold down seat in shower
	X		Built-ins (refer to special considerations)

IX. SPECIAL CONSIDERATIONS

- A. Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. Acoustical** - As required to meet District Standards.
- C. Floor** - As required to meet District Standards.
- D. Walls** - As required to meet District Standards.
- E. Ceiling** - As required to meet District Standards.
- F. Lighting** - As required to meet District Standards.
- G. Windows** - As required to meet District Standards.
- H. Doors** - As required to meet District Standards.
- I. Water/Plumbing Fixtures** - As required to meet District Standards.
- J. Communications** - As required to meet District Standards. Provide a telephone jack and a dedicated line for telecommunication hearing and visually impaired.
- K. Electrical** - As required to meet District Standards.
- L. Instructional Technology** - As required to meet District Standards.
- M. Gas and Air** - As required to meet District Standards.
- N. Safety** – As required to meet District Standards.
- O. Fencing** – As required to meet District Standards.
- P. Service Drives** - As required to meet District Standards. Laboratory shall be accessible for commercial delivery.

Q. Parking – As required to meet District Standards.

R. Built-ins

1. Self Contained Classrooms and General Classrooms (Part-Time)

- a. Provide base cabinets with lockable doors and adjustable shelves and upper cabinets with lockable doors and adjustable shelves.
- b. Provide built-in bookcase, 5'L. x 15"D. w/adjustable shelves.
- c. Provide computer counter to accommodate 6-8 computers and two (2) printers. Counter shall have grommets for wire management.
- d. Provide TV/Multimedia cabinet, approximately 48" in height with the TV monitor sitting on top of the cabinet. The TV/Multimedia cabinet shall include lockable doors with adjustable shelving for multimedia equipment. The TV/Multimedia cabinet shall also have grommets for wire management. The TV/Multimedia cabinet shall be located along or near the teaching wall

2. Laboratory (apartment)

- a. Provide storage unit, 1'D x 3'W x 7'H, with adjustable shelves.
- b. Provide storage unit (3), 18"D x 3'W x 7'H, with adjustable shelves.
- c. Provide floor-to-ceiling shelves with compartments, 18"W x 12"D.
- d. Clothing/Laundry Area
 - (1) Provide storage cabinets, 18"D x 3'W x 7'H, adjustable shelves and locks
- e. Kitchen Area Equipment
 - (1) Provide base and upper cabinets with doors; two bases with one drawer each and one base with four drawers
 - (2) Provide food storage cabinet, approximately, 1'D x 3'W x 3'H, over base cabinet
 - (3) Provide closed base cabinet (2), with one drawer each
 - (4) Provide island with scratch resistant cutting surface

3. ESE Dept. Storage

- a. Provide metal adjustable shelving on three walls, floor to ceiling.

4. ESE Restroom

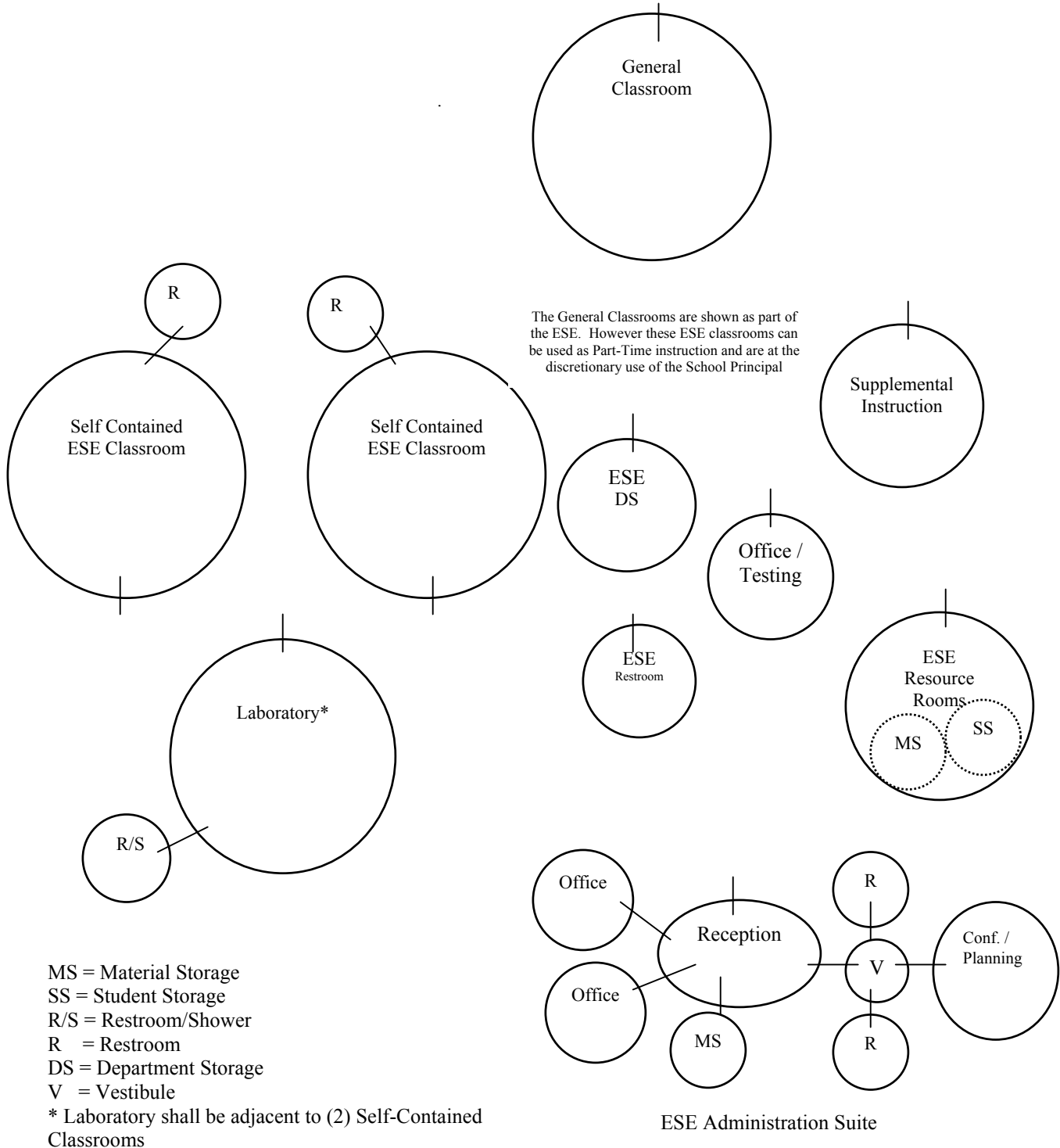
- a. Provide storage cabinet 24”w.x 18”d.x 72”h, w/adjustable shelves and lockable doors.

S. Other Considerations

1. The use of observation window(s) in ESE classroom(s) will be reviewed on a school by school basis.
2. The architect shall work with District staff with regards of the placement of ESE classrooms on the floor plan.

**DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
SPATIAL RELATIONSHIPS**

Exceptional Student Education



MS = Material Storage
 SS = Student Storage
 R/S = Restroom/Shower
 R = Restroom
 DS = Department Storage
 V = Vestibule
 * Laboratory shall be adjacent to (2) Self-Contained Classrooms

Not all rooms are shown

**DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
FOOD SERVICE**

I. PROGRAM PHILOSOPHY

Refer to overall. (Page 1)

II. PROGRAM GOALS

- A. School Food Service intends to offer nutritious foods necessary to maintain good health and welfare for all students.
- B. School Food Service shall provide gainful educational experiences relating to nutrition for students.
- C. The School Food Service facilities shall also serve school and community functions.

III. PROGRAM ACTIVITIES

A. Dining

- 1. Student dining
- 2. Faculty dining

B. Kitchen

- 1. Preparation of food
 - a. Baking
 - b. General preparation
 - c. Production

C. Servery

- 1. Student serving lines
- 2. Serving line support equipment

D. Storage and Maintenance

- 1. Receiving
- 2. Food storage
- 3. Non-Food storage
- 4. Can wash
- 5. Laundry
- 6. Food Service Mop Room

E. Warewashing and Refuse Removal

1. Dishwasher
2. Pulping system
3. Pot Washing

F. Staff Areas

- a. Employee restrooms
- b. Office

IV. ORGANIZATIONAL NOMENCLATURE

Student capacity per feeding period: 600
Total number of students fed per day: 1,800
Grade levels for which program is intended: 9 -12

V. INNOVATIONS, EXPERIMENTAL IDEAS, AND OTHER PLANNED USES

- A. Teacher dining/lounge shall be accessible from outside main dining room and convenient to serving area. Shall also be accessible from the kitchen.
- B. Servery shall be food court style with 6 speed line points of sale and 1 conventional serving line.
- C. Outside 4 walk-up windows shall accommodate dining and accessible from the kitchen. The windows shall accommodate the students via the courtyard and/or the dining room.
- D. Dining area shall be accessible from parking area to facilitate community use.
- E. Consideration shall be given to students entering and exiting the cafeteria to avoid congestion.
- F. Consideration shall be given for large group meetings such as community activities, school activities, and school dances.
- G. Utilities shall be installed for additional POS lines in strategic areas to include: student parking area, student bus loop, and the school courtyards.
- H. An outdoor covered dining area appears on the high school facility list and may be provided as the architectural design allows.

VI. JUSTIFICATION FOR VARIANCE FROM SREF REQUIREMENTS

- A. 600 NSF from Kitchen shall be used for a stadium press box.
- B. 450 NSF from Dining for Custodial Golf Cart Storage.
- C. The kitchen area shall be 8,190 NSF based upon the prototype kitchen designed by SDPBC School Food Service.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	<u>Food Service</u>					
1	Dining (450 NSF to Custodial Golf Cart Storage)	6,200		5,750		
1	Kitchen (including office and restrooms) (600 NSF to stadium press box)			8,190		
1	Chair Storage			360		
1	Staff Dining			1,000		
	Staff Restroom (from allotment)					
	Student Restroom (from allotment)					
	Total			15,300		

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Student Dining Area

No. of Items	Contractor Provided	District Provided (FF&E)	Description
120-150		X	Cafeteria table, folding, 29" maximum height
600-700		X	Cafeteria chair, one per student for largest service period; 18" is suggested as a suitable seat height for all age groups
		X	Vending machine(s)

B. Facility Dining Area

No. of Items	Contractor Provided	District Provided (FF&E)	Description
15		X	Table, round, folding
75		X	Chair, stackable
		X	Vending machine(s)
	X		(10) linear feet of base and wall cabinets, to include (1) sink and (1) adjacent bank of (3) graduated drawers. The counter top is to be 36" above the finished floor.
1	X		18 cubic foot refrigerator
1	X		Microwave

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD

No. of Items	Contractor Provided	District Provided (FF&E)	Description
	X		Provide serving equipment consisting of the following components: 4-well hot food unit with sneeze guard; 60" refrigerated cold pan with over shelf and sneeze guard; (2) 36" open top utility counters for desert display.

C. Employee Restroom/Locker Area

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Full-length mirror.
15	X		Individual coat sized lockers with locks.
1	X		First aide cabinet

D. Office

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Desk & Chair
1		X	Filing Cabinet
1		X	Computer
1		X	Printer
1		X	Fax Machine
	X		(6) linear feet of counter top with base cabinets and wall cabinets. Wall cabinets to be 14" deep and located over countertop.

Refer to SDPBC School Food Service Department's Generic Educational Specification for layouts and equipment.

IX. SPECIAL CONSIDERATIONS – CONTRACTOR PROVIDED

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

- A. **Heating/Cooling/Ventilation** – As required to meet District Standards.
- B. **Acoustical** – As required to meet District Standards.
- C. **Floor** – As required to meet District Standards.
- D. **Walls** — As required to meet District Standards.
- E. **Ceiling** – As required to meet District Standards.

- F. **Lighting** – As required to meet District Standards.
- G. **Windows** – As required to meet District Standards.
- H. **Doors** – As required to meet District Standards. Locks shall be keyed separately from master system in order that only the School Food Service Manager and one designated person from administration have access. Equip heavy duty metal, receiving doors with delivery buzzer on exterior. Provide exterior entrance door with a peephole or security window for identifying person before opening door. Exterior doors shall be equipped with automatic fly fans. Doors to kitchen and storage shall be wide for delivery of supplies and movement of equipment. (Minimum of 48” wide)
- I. **Water** – As required to meet District Standards.
- J. **Communication** – As required to meet District Standards. Intercom with volume control in office, kitchen and dining areas. Separate telephone line in office. Television outlets in the dining area for closed circuit or educational TV. Provide microphone outlets: (6) in cafetorium, (4) on stage. Provide a bell location 7’ above the finished floor in kitchen area, with conduit from the nearest telephone terminal cabinet. TV origination outlet on non-service wall.
- K. **Electrical** – As required to meet District Standards. Lighting control circuit panel for food service areas and power circuit for kitchen shall be easily accessible to kitchen and not in the storeroom. Provide spare circuits for future needs. Switches shall be in reach of employees at each workstation. Keep storerooms free of electrical distribution panels, electrical switchgear, transformers, un-insulated pipes, water heaters, and refrigeration condensing units or other heat-producing device. Provide conduit with a pull string from each POS station to the SDPBC Food Service Manager’s office. Include an above ceiling junction box in the dining room, tying back to the last cash register data outlet. (Contact SFS Dept. for details)
- L. **Instructional Technology** – As required to meet District Standards.
- M. **Gas and Air** - - As required to meet District Standards.
- N. **Safety** – Total facility shall meet all local and state safety and sanitation codes. As required to meet District Standards.
- O. **Fencing** – As required to meet District Standards.
- P. **Service Drives** – Easy access to entrance for delivery of food and supplies. As required to meet District Standards.
- Q. **Parking** - Space for (12) food service employee’s, satellite vans, and delivery vehicles. As required to meet District Standards.

- R. **Built-Ins** – Tack board, 8' X 4' in dining area, 4' X 4' in kitchen preparation area, 4' X 4' in employee locker area. Locate in dining room a 6' x 8', minimum, video format screen with black masking borders and electronically operated.

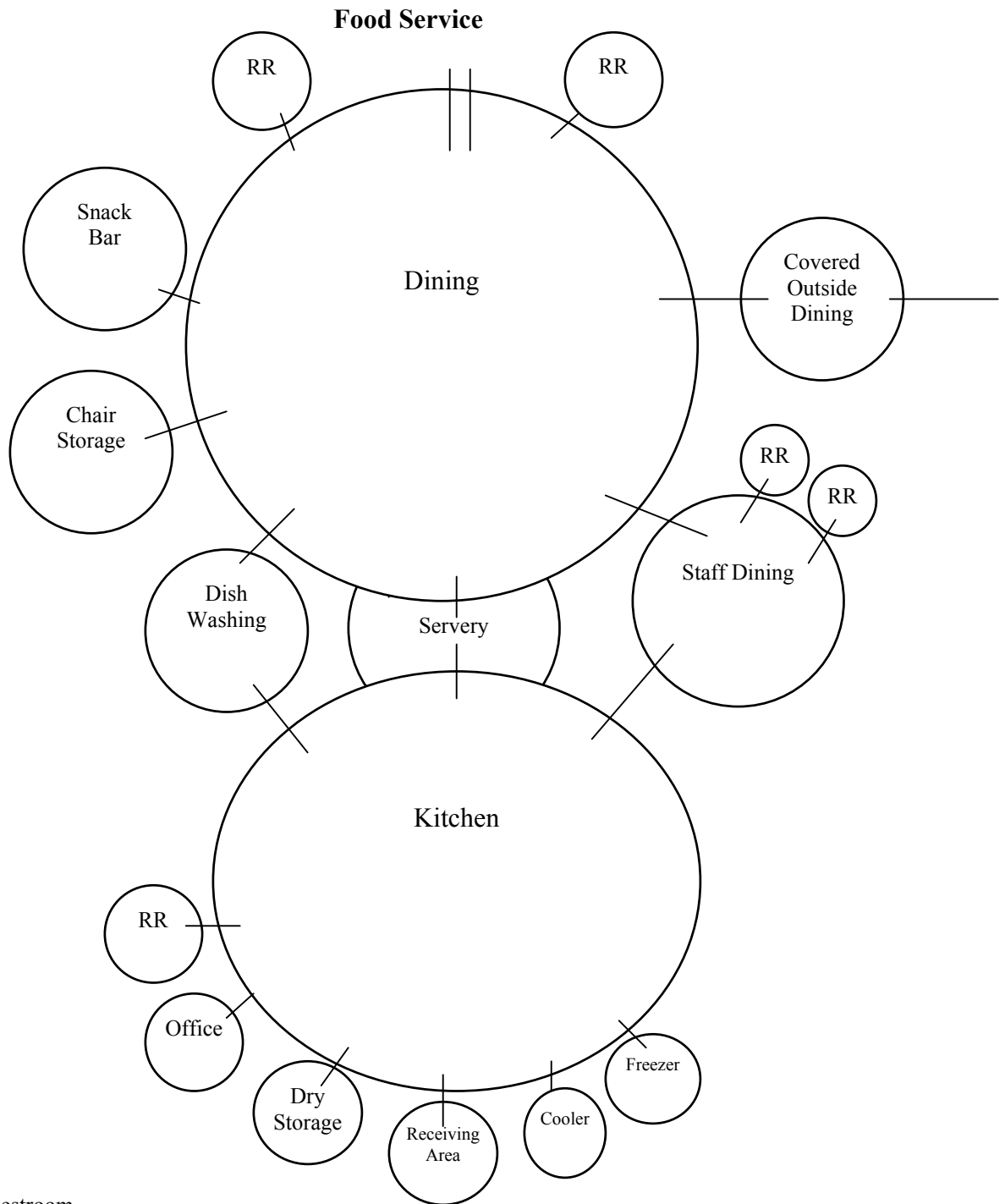
S. **Other Considerations**

1. Equipment shall comply with standards identified with seals of approval from the following agencies:
 - a. American Gas Association (AGA) for gas equipment.
 - b. American Society for Mechanical Engineers (ASME) for steam equipment.
 - c. National Sanitation Foundation (NSF)
 - d. Underwriters Laboratory (UL) for electrical equipment.
2. Before an architect prepares specifications, consult with SDPBC School Food Service authorities to include only those brands listed on the Pre-Approved Manufacturers List. Equipment shall have basic manual temperature and time controls.
3. Equipment shall be of good quality, approved brands, 14-gauge stainless steel (as specified). Sinks and worktable counter tops are to be 14-gauge, type 304 stainless steel, integrally welded with #4 finish. Table legs to be stainless steel with stainless steel adjustable bullet feet. Table under shelf to be 18-gauge type 304 stainless steel.
4. Equipment shall be designed for use with standard sized accessories. Example: 12" x 24" steam pans, 18" x 26" bun pans.
5. The architect shall utilize a professional member of the Foodservice Consultants Society International (FCSI) and recommendations of the Design Criteria – Food Service Facilities published by the SDPBC.
6. Office area shall be separate of any storeroom.
7. Kitchen
 - a. Receiving Area – shall be in close proximity and easily accessible to storage areas.
 - b. Baking Department – shall be near general preparation areas.
 - c. General Preparation Area – shall be easily accessible to all other areas.
 - d. Serving Areas – shall be close to preparation area with preparation area not visible to students.

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- e. Dishwashing And Refuse Removal Area – shall be centrally located so that it can be easily accessible from all parts of the dining area.
 - f. Can Wash Area – shall be located outside the kitchen area, weather protected, walls and floor to have impervious finish and drained to sanitary system.
 - g. Laundry Area – shall be a separate and securable area adjacent to the kitchen.
 - h. Employees' Toilet And Lockers – shall be adjacent to the preparation area.
 - i. Manager's Office – shall be located to enable the manager to view the major areas of activity in the kitchen, such as receiving, storage, and preparation.
 - j. An independent, low power, sound system shall be provided for the dining room area. The amplifier shall be in a locked closet or built-in cabinet.
8. Those high schools designed by the Emergency Operation Center as Hurricane Shelters shall use the teacher dining as an office with the necessary power, equipment, etc. provided.
9. Provide covered outside dining area near the cafeteria for student dining.

SPATIAL RELATIONSHIPS



RR = Restroom

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
FOREIGN LANGUAGE

I. PROGRAM PHILOSOPHY

All students shall be given the opportunity to learn to communicate in a foreign language and to learn something of the cultures of our neighbors around the world.

II. PROGRAM GOALS

Promote the development of the four skills of language, speaking, listening, and reading to a level commensurate with the ability of the student, on each level of instruction.

III. PROGRAM ACTIVITIES

A. Curriculum

1. Spanish I, II, III, IV, V
2. AP Spanish Language
3. French I, II, III, IV
4. AP French Language
5. Latin I, II, III,
6. German I, II, III
7. Spanish for Spanish Speaking Students I, II, III, IV

B. Teacher Activities

1. Work with individual students, small groups, and classes on discussions and projects.
2. Plan bulletin boards, learning center activities.
3. Recommend purchase and use of materials and equipment.
4. Coordinate classes within the department.
5. Plan and lead field trips.
6. Provide opportunities for comprehension activities.
7. Provide opportunities for oral practice in the target language.
8. Present subject matter in the classroom in a variety of ways.
9. Utilize community resources.
10. Provide the means and techniques for teacher and student evaluation of subject materials.
11. Conduct conferences with students, parents and administrators.

C. Student Activities

1. Think - Creative thinking, problem solving, logical deductions.
2. Speak - Text materials, reference books, reports, magazines, fiction, cultural material, newspapers.
3. Read - Text materials, reference books, reports, magazines, fiction, cultural material, newspapers.

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4. Write - Summaries, outlines, conversational materials, poetry.
5. View - Videos, pictures, works of art, TV, maps, charts, globes
6. Inspect - Artifacts, regalia from the foreign cultures, relief maps, pictures and paintings, works of art.
7. Make - Booklets, displays, posters, scrapbooks, bulletin boards, maps, replicas, dioramas, mobiles, murals.
8. Visit - Local cultural presentations, historical sites, ethnic enclaves.

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio 1:25

Grade Levels for Which Program is Intended 9 - 12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

- A. Classroom areas may be used for community school activities.
- B. Related areas adjacent to classrooms will provide space for small group instruction, committee work and computer-assisted instruction.

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

- A. Teacher Planning and Material Storage shall be folded into the classroom to create a room of 900 NSF.
- B. Since Suncoast has International Baccalaureate and Math, Science & Engineering Magnet/Choice Programs, additional computer drops shall be added to the Classrooms.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	Foreign Language					
3	Foreign Language Classrooms		756	2,268	25	75
3	Material Storage		90	270		
3	Teacher Planning		54	162		
	Total		900	2,700		75

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Classroom

No. of Items	Contractor Provided	District Provided (FF&E)	Description
25		X	Student desk combo
1		X	Teacher desk and chair
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Table, 30" x 72"
4-10		X	Chairs, stable, 17", plastic
1		X	Lectern
1		X	Stool
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
1	X		Marker board, 4' x 16', with map rails and flag holder
2	X		Tack Board, 4' x 4'
1	X		6' x 8' video format screen with black masking borders
6-8		X	Computers
2		X	Printers
1	X		Pencil sharpener with proper backing
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

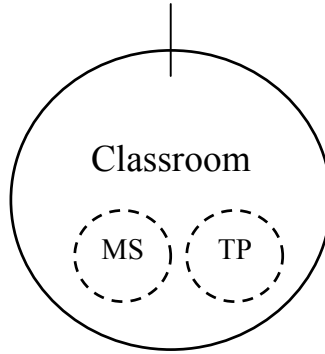
- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** - As required to meet District Standards.
- G. **Windows** - As required to meet District Standards.
- H. **Doors** - As required to meet District Standards.
- I. **Water/Plumbing Fixtures** - As required to meet District Standards.
- J. **Communications** - As required to meet District Standards. Provide wiring and jacks to receive software, multimedia device and camera/video playback in each classroom from a

central location within the school. Provide wire molding to accommodate the electrical wiring and cabling required for the networking and interfacing of the language laboratory and its computers and file server.

- K. Electrical** - As required to meet District Standards
- L. Instruction Technology** - As required to meet District Standards.
- M. Gas and Air** - As required to meet District Standards.
- N. Safety** – As required to meet District Standards.
- O. Fencing** – As required to meet District Standards.
- P. Service Drives** – As required to meet District Standards.
- Q. Parking** – As required to meet District Standards.
- R. Built-ins**
 - 1. Provide base cabinet with lockable doors and adjustable shelves and upper cabinets with lockable doors and adjustable shelves.
 - 2. Provide built-in bookcase, 5'L x 15"D x 40"H with adjustable shelves.
 - 3. Provide computer counter to accommodate 6-8 computers and two (2) printers. The counter shall have grommets for wire management.
 - 4. Provide TV/Multimedia cabinet, approximately 48" in height with the TV monitor sitting on top of the cabinet. The TV/Multimedia cabinet shall include lockable doors with adjustable shelving for multimedia equipment. The TV/Multimedia cabinet shall also have grommets for wire management. The TV/Multimedia cabinet shall be located along or near the teaching wall
- R. Other Considerations** - N/A

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
SPATIAL RELATIONSHIPS

Foreign Language



MS – Material Storage
TP – Teacher Planning

Not all spaces are shown

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
GENERAL CLASSROOMS

I. PROGRAM PHILOSOPHY

The high school program is organized around, and focused on, personal and societal goals that help students become effective participants in the social world.

II. PROGRAM GOALS

The high school program goals center around the preparation of students for more reflective and effective participation in their society. The program goals would include the following:

- A. Socialization - aimed at helping the student become an effective member of social groups.
- B. Decision-making Processes - aimed at helping students to make effective use of intellectual skills in reaching decisions about his/her social concerns.
- C. Citizenship - aimed at helping the students to use more effectively the processes of a representative-democratic government.
- D. Knowledge Acquisition - aimed at helping the student to acquire and utilize information and intellectual skills provided through the curriculum.

In addition, the program will stress the assimilation of three important components: subject, learner and society.

III. PROGRAM ACTIVITIES

A. Student Activities

- 1. Think - Creative and critical thinking, problem solving, associations.
- 2. Speak - Speeches, explanations, dramatizations, demonstrations, simulations, class and panel discussions.
- 3. Read - Textbooks, reference books, reports, magazines, newspapers, fiction, trade books.
- 4. Write - Creative writing, reports, research papers, outlines, summaries, speeches, comparisons.
- 5. View - Films, pictures, T.V., maps, charts, globes.
- 6. Inspect - Relief maps, roads maps, globes, artifacts, samples, pictures, charts, graphs.
- 7. Construct - Booklets, displays, posters, scrapbooks, graphs, bulletin boards,

maps, charts, diagrams, time lines, pictures, replicas, dioramas, mobiles, murals.

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio 1:25

Grade Levels for Which Program is Intended 9 - 12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

- A. Areas may be used for night class and community school activities.
- B. The architect shall study the shape of typical classrooms to provide for efficient operation and communication, utilizing marker board and wall-mounted illustrations. The spaces must also provide flexibility for large and small group instruction as well as the capability for individualization. Computerized lab activities will be incorporated into instructional program.

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

- A. Teacher Planning and Material Storage shall be folded into the classroom to create a room of 900 NSF.
- B. One classroom shall be designated for health class.
- C. One classroom shall be designated for Drama and located near the stage in the auditorium.
- D. Since Suncoast has International Baccalaureate and Math, Science & Engineering Magnet/Choice Programs, additional computer drops shall be added to the General Classrooms.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	<u>General Classrooms</u>					
12	Classroom		756	9,072	25	300
12	Material Storage		90	1,080		
12	Teacher Planning		54	648		
	Total		900	10,800		300

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Classroom

No. of Items	Contractor Provided	District Provided (FF&E)	Description
25		X	Student combo desk
1		X	Teacher desk and chair
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Table, 30" x 72"
1		X	Lectern
1		X	Stool
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
1	X		Marker board, 4' x 16', with map rails and flag holder
2	X		Tack Board, 4' x 4'
1	X		6' x 8' video format screen with black masking borders
6-8		X	Computers
2		X	Printers
1	X		Pencil sharpener with proper backing
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

IX. SPECIAL CONSIDERATIONS – CONTRACTOR PROVIDED

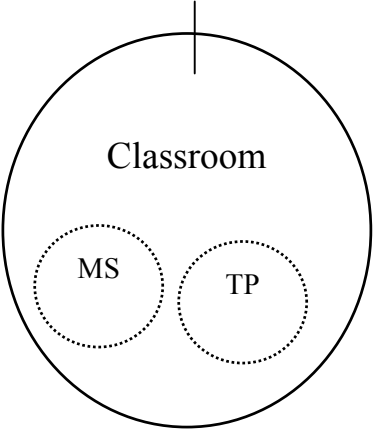
Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL,**

- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** - As required to meet District Standards.
- G. **Windows** - As required to meet District Standards.
- H. **Doors** – As required to meet District Standards.
- I. **Water/Plumbing Fixtures** - N/A
- J. **Communications** - As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards

- L. **Instruction Technology** - As required to meet District Standards.
- M. **Gas and Air** - As required to meet District Standards.
- N. **Safety** – As required to meet District Standards.
- O. **Fencing** – As required to meet District Standards.
- P. **Service Drives** – As required to meet District Standards.
- Q. **Parking** – As required to meet District Standards.
- R. **Built-ins**
 - 1. Provide base cabinet with lockable doors and adjustable shelves and upper cabinets with lockable doors and adjustable shelves.
 - 2. Provide built-in bookcase, 5'L x 15"D x 40"H with adjustable shelves.
 - 3. Provide computer counter to accommodate 6-8 computers and two (2) printers. The counter shall have grommets for wire management.
 - 4. Provide TV/Multimedia cabinet, approximately 48" in height with the TV monitor sitting on top of the cabinet. The TV/Multimedia cabinet shall include lockable doors with adjustable shelving for multimedia equipment. The TV/Multimedia cabinet shall also have grommets for wire management. The TV/Multimedia cabinet shall be located along or near the teaching wall
- R. **Other Considerations** - N/A

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
SPATIAL RELATIONSHIPS

General Classrooms



MS – Material Storage
TP – Teacher Planning

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
LANGUAGE ARTS

I. PROGRAM PHILOSOPHY

Language Arts encompasses an extensive range of communication skills and of artistic expression, as well as the body of knowledge about the English language and literature. Although the development of communication skills is a lifelong process, the extent to which students become proficient in these skills while at school is vitally related to their future abilities to function independently and productively in life. Language expresses human imagination and is a primary vehicle for transmitting culture. Literature study provides students with insights into human values, experience and potential, and enables them to acquire familiarity with, and appreciation for, literary masterworks. Since language itself is an important means of giving shape to experience and knowledge and of expressing human hopes and feelings, students shall be instructed in the ways in which language functions and in ways of controlling and using language.

II. PROGRAM GOALS

Instruction in Language Arts involves the skills of reading, writing, speaking, listening and observing. Goals of the English program include the following:

- A. Development of skills which are basic to most other subjects studied and useful, if not vital, to success in our highly verbal culture;
- B. Close acquaintance with the literary tradition which comprises the subject matter unique to English, the broad cultural heritage of the English-speaking people--religious, technological, political, sociological and artistic;
- C. Enhancement of critical judgment through practice in and awareness of, the ways language shapes our world;
- D. Development of the powers of comprehension, of critical thinking and of coherence and fluency in expression;
- E. Presentation of literary works that promote humanistic attitudes, aesthetic appreciation, critical evaluation, and positive leisure and civic pursuits.

III. PROGRAM ACTIVITIES

A. Curriculum

- 1. Composition--imaginative/expressive, informative, expository, persuasive
- 2. Literature--American, British, world, classical, contemporary
- 3. Humanities
- 4. Semantics and logic
- 5. Mass media--publications, film, video, radio

6. Journalism
7. Speech
8. Debate
9. Reading

B. Classroom Activities

1. Classrooms

- a. Lecture
- b. Lecture/discussion
- c. Demonstration
- d. Supervised study
- e. Small group discussions
- f. Role-playing
- g. Simulation gaming
- h. Individual skills development
- i. Testing
- j. Viewing of videos
- k. Listening to CDS
- l. Developing skills - multimedia: computers, laser disks, CD-Rom

2. Publications

- a. Lecture
- b. Demonstration
- c. Supervised study
- d. Small group/committee work
- e. Individual skills development
- f. Testing

3. Speech Classroom

- a. Lecture
- b. Lecture/discussion
- c. Demonstration
- d. Small group discussion
- e. Panel discussion
- f. Delivering individual speeches
- g. Debating, individual and team
- h. Viewing videos
- i. Listening to CDS
- j. Audio and video
- k. Testing
- l. Supervised study
- m. Role-playing

- n. Performing skits, broadcasts and commercials
- o. Community school classes and meetings
- p. Guest performers/speakers
- q. Rehearsal
- r. Staging/blocking
- s. Oral interpretation

4. Speech/Debate Resource Room for Rehearsal

- a. Individual rehearsal
- b. Individual and group skill practice
- c. Filming
- d. Small group discussion
- e. Debate strategy planning sessions

5. Speech/Debate Resource Room

- a. Research for debate preparation
- b. Storage of debate materials
- c. Sorting and filing
- d. Individual speech preparation
- e. Small group work/discussion

6. Reading/Computer Skills Laboratory - Remedial, Corrective, and Developmental

- a. Individual and small group skills development
- b. Listening CDS
- c. Computer use, teacher and students
- d. Testing
- e. Individual and parent conferences
- f. Demonstration
- g. Supervised study
- h. Detailed record keeping

7. Writing Resource Room

- a. Diagnostic testing
- b. Individual skills development
- c. Demonstration
- d. Small group discussion/tutoring
- e. Supervised study
- f. Record keeping

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio 1:25

Grade Levels for Which Program is Intended 9 - 12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

- A. Performing Arts suite
- B. Computer terminal hook-ups for innovative reading skills programs
- C. Sharing of facilities with community school

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

- A. Teacher Planning and Material Storage shall be folded into the classroom to create a room of 900 NSF.
- B. Since Suncoast has International Baccalaureate and Math, Science & Engineering Magnet/Choice Programs, additional computer drops shall be added to the Classrooms.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	Language Arts					
3	Classrooms		756	2,268	25	75
3	Material Storage		90	270		
3	Teacher Planning		54	162		
1	Classroom – Publication			756	25	25
1	Material Storage			90		
1	Teacher Planning			54		
1	Classroom – Speech & Debate			756	25	25
1	Material Storage			90		
1	Teacher Planning			54		
	Total			4,500		125

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Classroom (General)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
25		X	Student desk combo
1		X	Teacher desk and chair
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Table, 30" x 72"
1		X	Lectern
1		X	Stool
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Marker board, 4' x 16', with map rails and flag holder
2	X		Tack Board, 4' x 4'
1	X		6' x 8' video format screen with black masking borders
6-8		X	Computers
2		X	Printers
1	X		Pencil sharpener with proper backing
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

B. Publications Classroom

No. of Items	Contractor Provided	District Provided (FF&E)	Description
25		X	Student desk combo
1		X	Teacher desk and chair
2		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Table, 30" x 72"
1		X	Lectern
1		X	Stool
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
1	X		Marker board, 4' x 16', with map rails and flag holder
2	X		Tack Board, 4' x 4'
1	X		6' x 8' video format screen with black masking borders
6-8		X	Computers
2		X	Printers
1	X		Pencil sharpener with proper backing
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

C. Speech/Debate Classroom

No. of Items	Contractor Provided	District Provided (FF&E)	Description
25		X	Student desk combo
1		X	Teacher desk and chair
1		X	File cabinet, four-drawer, legal, lateral, lockable
2		X	Table, 20" x 72"
2		X	Lectern
1		X	Stool
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
1	X		Marker board, 4' x 16', with map rails and flag holder
2	X		Tack Board, 4' x 4'
1	X		6' x 8' video format screen with black masking borders

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD

No. of Items	Contractor Provided	District Provided (FF&E)	Description
4		X	Computers
2		X	Printers
1	X		Pencil sharpener with proper backing
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

IX. SPECIAL CONSIDERATIONS – CONTRACTOR PROVIDED

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL,**

- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** - As required to meet District Standards.
- G. **Windows** - As required to meet District Standards.
- H. **Doors** – As required to meet District Standards.
- I. **Water/Plumbing Fixtures** - As required to meet District Standards.
- J. **Communications** - As required to meet District Standards
- K. **Electrical** - As required to meet District Standards.
- L. **Instruction Technology** - As required to meet District Standards.
- M. **Gas and Air** - As required to meet District Standards.
- N. **Safety** – As required to meet District Standards.
- O. **Fencing** – As required to meet District Standards.
- P. **Service Drives** – As required to meet District Standards.
- Q. **Parking** – As required to meet District Standards.

R. Built-ins

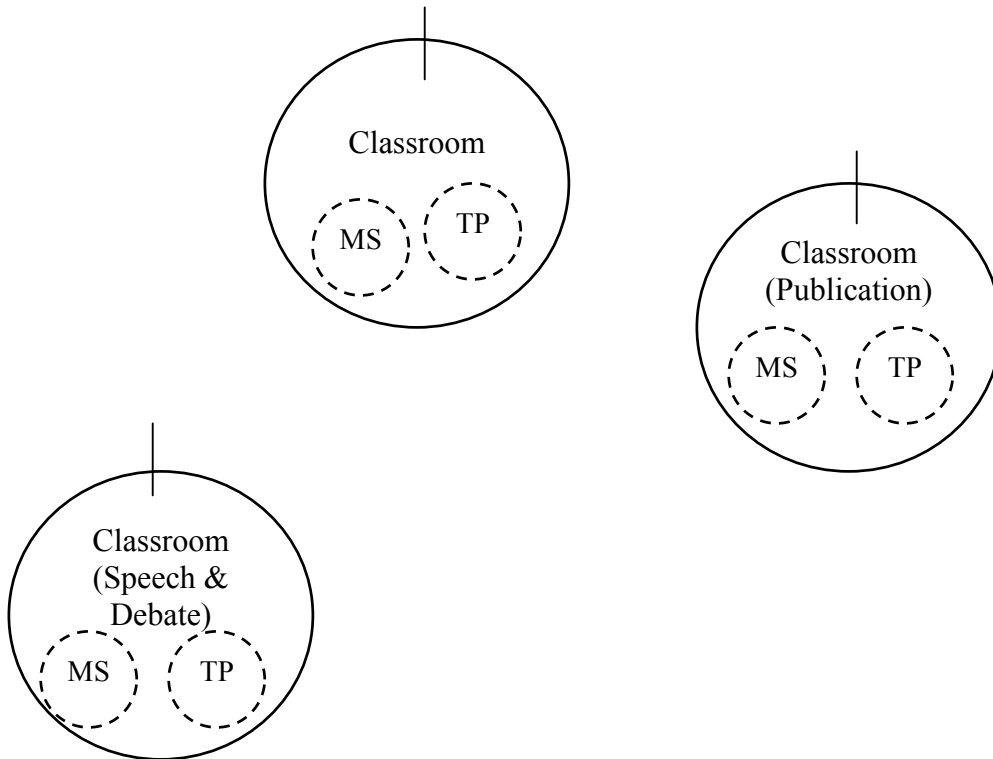
In each instructional space

1. Provide base cabinet with lockable doors and adjustable shelves and upper cabinets with lockable doors and adjustable shelves.
2. Provide built-in bookcase, 5'L x 15"D x 40"H with adjustable shelves.
3. Provide computer counter to accommodate 6-8 computers and two (2) printers. The counter shall have grommets for wire management.
4. Provide TV/Multimedia cabinet, approximately 48" in height with the TV monitor sitting on top of the cabinet. The TV/Multimedia cabinet shall include lockable doors with adjustable shelving for multimedia equipment. The TV/Multimedia cabinet shall also have grommets for wire management. The TV/Multimedia cabinet shall be located along or near the teaching wall
5. Additional built-ins
 - a. **Publications Classroom** - Provide "flat" tables along one wall; slanted counter, 34", with lockable 30"D storage cabinet underneath; and student mail box (30) approximately 4"h x 12"d x 12"w each in size.
 - b. **Speech Laboratory** – Provide extemp file work table that shall be made in U-shape in the back of the classroom, 12'L x 29"H x 30"W. Shelving above the table for reference books. Work counter for props.

R. Other Considerations - N/A

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
SPATIAL RELATIONSHIPS

Language Arts



MS – Material Storage
TP – Teacher Planning

Not all spaces are shown

**DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
LIBRARY MEDIA CENTER**

I. PROGRAM PHILOSOPHY

The school library media program supports the District's Mission, Fundamental Beliefs and Priorities for educational excellence. The number one priority, "To increase literacy for all students in reading, writing, listening, speaking, viewing and presenting", is also the number one priority of each school's library media program.

The library media center is the school's center for information and inquiry, for students, faculty and the school community. The center provides services, instruction, materials, equipment and personnel to assist the faculty in developing an effective educational program. Primary goals of the library media program in Palm Beach County schools are imbedded in the concepts of *collaboration, access, literacy, inquiry and diversity*. Today's library media center is designed for flexible use and electronic adaptability, ready for new technologies as traditional methods are changing the delivery of instruction.

Effective instruction today requires audio, video, and electronic digital resources, including access to information available on the Internet. The media center is part of the globally district-electronic network so that information can be exchanged electronically within the school, the district, the state and the world. Provisions for students and staff to use this electronic network at multiple locations within the library media center and school center require full consideration when designing library media space.

II. PROGRAM GOALS CRITICAL IN THE DESIGN OF LIBRARY MEDIA CENTERS

A. Collaboration

Provide physical quarters of sufficient size and flexibility to allow large, class-size, small groups of students and individual students to work simultaneously in an aesthetically appealing atmosphere. Ample enough space in these areas shall create a traffic pattern around the areas not through each area.

Provide space for consultative services with teachers and staff.

Provide electronic capacity and data connections throughout the library media center for effective utilization of media materials and equipment by teachers and staff.

B. Access

Provide access to the media facilities, media staff, resources and equipment at the time of need for all, regardless of abilities or disabilities.

Provide support to new schools in the process of developing their collections.

C. Literacy

Provide a selection of media and the electronic capacity to utilize these resources in

varied print and non-print formats.

Provide guidance to students and faculty for effective selection and utilization of resources and equipment.

Provide current information about emerging technologies and how to incorporate these new developments into effective instructional practice.

Provide for continuous evaluation and updating of the resources available in the media collection to assure that the school's mission, goals and objectives are being met.

Address discrepancy between start up collection and existing collections.

D. Inquiry

Provide purposeful instruction for students in research and information literacy skills.

Provide opportunities for on-line searching and media-oriented experiences.

Provide opportunities for faculty to keep up-to-date and current with instructional techniques and with their specialized curricular area.

Provide current print, not to exceed an average collection age of twenty years, and non-print materials that support the curriculum.

E. Diversity

Provide guidance in the use of school, community, and global resources for the enrichment of individual experience.

Provide an environment encouraging multi-cultural and global experiences.

III. PROGRAM ACTIVITIES

The school library media center serves students, teachers, adults on the staff, administrators, and people in the local community. The center's space serves as a meeting place for students, staff, and community groups, requiring flexible access for activities during the school day, before or after school hours, and during the evening hours.

A. Activities for Students

1. Receiving instruction in large, class-size, small groups or individual with the capacity to accommodate simultaneous small and large group activities.
2. Using the instructional television equipment, projection equipment or computer technology.
3. Displaying creative promotional & literacy activities on bulletin boards, dry

eraser boards and in lockable showcases.

4. Participating and interacting in lectures, projected presentations, demonstrations, and other instructional activities.
5. Preparing and presenting multimedia presentations with projection and sound capability.
6. Browsing and leisure reading of books, periodicals, newspapers, computer programs and the Internet.
7. Engaging in inquiry with reference resources: books, CD-ROM and the Internet.
8. Engaging in individual study for career information, community resources, college information, and self-improvement.
9. Accessing informational for individual reports, resumes, letters, and other documents related to educational purposes.
10. Searching, identifying and requesting information or resources from other library or information locations through inter-library loan.

B. Activities for School Faculty and Staff

All ten capabilities listed above for students are also applicable for faculty and school staff. Other staff activities are:

1. Previewing and selecting materials for classroom use.
2. Preparing instructional materials.
3. Meeting with library media specialist and staff or other colleagues for collaboration on lesson plans, curriculum development and resource acquisition.
4. Utilizing the library media center's resources and other external resources via ITV, inter-library loan or the Internet for professional development.
5. Engaging in distance learning.
6. Using multimedia tools and projection units.

C. Activities for Library Media Center Specialist and Library Media Staff

1. Providing Technical Services: selection, acquisition, receiving orders and donations, cataloging and database maintenance, processing, binding, inventorying and other functions required to organize and maintain the collection of a library media center.

2. Functioning as school leader(s) for technology development by providing new resources and technologies in the library media center and by providing technical expertise as a member of school improvement and technology committees.
3. Providing instruction for students and faculty in inquiry methods, library research, information literacy and presentation of the results.
4. Assisting students, faculty and staff in selecting and effectively using instructional media in all formats.
5. Planning with teachers, administrators and paraprofessionals for curriculum development and use of instructional media for various school disciplines.
6. Maintaining accurate financial records and budgeting effective use of resources and time.
7. Supervising media staff, student aides and volunteers.
8. Coordinating media center functions with school administrators, faculty, community leaders, students and school staff, including custodial and secretarial personnel.
9. Booktalks and promotional activities

IV. ORGANIZATIONAL NOMENCLATURE

Grade Levels for Which Program is Intended 9 - 12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

- A. New developments in educational programs, instructional methods, developing technologies and scheduling patterns, with the utilization of media resources which accompany these new developments, dictate flexibility for the library media program. Physical facilities must be flexible in order to meet the changing needs of the school program.
- B. Expanded individual and group use of new digital media and computer capabilities requires adequate facilities that are adaptable for varied viewing and listening activities.
- C. Available computer retrieval of information from network, on-line services and internet.
- D. The library media center should be integral to community schools. Access from outside needs to be considered in design. Maximize resources through community collaboration.
- E. Both students and faculty require publishing and production capabilities, including

video production, computer publishing, and multi-media/multi-image presentations.

- F. Multi-functional use of Instructional Television studio facilities includes previewing, editing, broadcasting, and Distance Learning activities for groups of students and school staff.
- G. Training requirements for both faculty and student(s) are increasing in all technical areas, and flexible space is required for these activities as well as electric and data connections.

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

- A. 830 NSF from Reading Room/Stacks to Auditorium for stage.
- B. 600 NSF from Reading Stacks to Technology Instruction Room.
- C. 100 NSF from Reading Room/Stacks to Auditorium for Video Control Room.
- D. The studio shall be 900 NSF and the control room shall be 360 NSF.
- E. Combine Library Media Specialist’s and Technical Processing into one space of 350 NSF. The remaining NSF shall be folded into the Reading Room/Stacks.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	Library Media Center					
1	Reading Room/Stacks (830 NSF to stage in auditorium, 600 NSF to Technology Instruction Room, 100 NSF for video control in Auditorium)(325 NSF from Tech Processing)	5,460		4,225		
1	Technical Processing (combined with Library Media Specialist’s office) (325 NSF to Reading/Stacks)	500		175		
1	Professional Library (combined with Media Production/Copying Room)			500		
1	AV Storage/Maintenance Repair/CCTV Storage			1,080		
1	Periodical Storage (combined with Reading/Stacks)			360		
1	Conference Room (from Administrative Conference)			680		
1	Technology Instruction Rm. (from reading)			600		
1	Closed-Circuit TV Production/Control (900 NSF for studio & 360 NSF for control)			1,260		
1	Media Production/Copying Room (combined with Professional Library)			660		
1	Small Group Listening (combined with Reading/Stacks)			180		
1	Group Projects (combined with Reading/Stacks)			900		

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD

Spaces	Description	SREF	Proposed		Proposed	
		Sq. Ft. Total	Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
1	Library Media Specialist's Office (combined with Technical Processing)			175		
	Staff Restroom (from allotment)					
	Total			10,825		

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Reading Room/Stacks

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Circulation desk with book drop, desk draws (2), pencil draws (2), cabinets (2) and money draw. All draws and cabinets shall be lockable. Swivel stool, with height adjustable from 24" to 33".
		X	Stacks/Shelving in Reading Room (refer to VIII.B.)
	X		Necessary backing for stacks/shelving at 2' and 5' around the perimeter of the reading room
2		X	Automated time stamp
5		X	Step stool, kick-step type
2		X	Depressible book truck on springs
4		X	Book truck
1		X	Atlas stand, with shelves
1		X	Dictionary stand, portable
1		X	Globe, 24": with floor stand
1		X	Newspaper stand
2		X	Marker boards, portable, heavy-duty
4		X	Pencil sharpener, electric
1		X	Stapler, electric
1		X	Lounge furniture including sofas, chairs, tables to accommodate twenty people
40		X	Table, rectangular, to seat four people
2		X	Table, rectangular, to seat six people
125-150		X	Chair, 18"
1		X	Table, 31"H, handicapped height
2		X	Copier, coin-operated
25		X	Public computer, all with computer tables, chairs, printer, no carrels (2 shall be FACBC accessible)
1		X	Multimedia station, including stand alone PC with CD-ROM drive, DVD, color printer, SVHS output, TV monitor, on a single large wheel cart for mobility
1	X		Signage for various areas, stacks, and services in the reading room
1		X	Smart board and projection table
2		X	Television, 30", on AV carts
1		X	Closed circuit TV security system
1		X	Amplifier system with microphone plugs
1	X		Water cooler; no electric eye drinking fountain
2	X		Recessed, built-in display cabinet
3	X		Tack Board, 4' x 4'
1	X		Video Format Screen with black masking borders, 6' x 8', minimum size, wall or ceiling mounted after stacks

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
			are placed
1	X	X	Library detection & security system (refer to special considerations)
1		X	Concealed storage area for server and CD-ROM tower (periodical storage area)
1	X		Clock, battery
	X		Built-ins (refer to special considerations)

B. Stack Area (folded into Reading Room) – District Provided

To accommodate 11,000 volumes. Utilize 72"H shelving on perimeter as much as possible. Free-standing shelving shall not exceed 42"H. All shelving shall be adjustable and have backing. Shelving shall be standardized so that inserts for periodical shelves can be moved. 1,600 linear ft. of 10"H shelving for regular books, 250 linear ft. of 15"H **heavy-duty** shelving for reference books and 200 linear ft. of 12"H shelving is required for kits. Shelving shall be accompanied by readily usable book ends. Light-weight, plastic coated wire shelving is not acceptable.

Provide linear footage for the high school collection at either 1' per ten books or 1.5 linear ft. per student.

b. Stack Area

- (1) Bookcases, 12", with backing and adjustable shelving for 25,000 volumes of varying height
- (2) Adjustable shelving with backing for 4,000 reference books and AV materials. These shelves need to be deeper than regular shelves, 15", and shall not exceed 80" in height
- (3) Adjustable shelving, 15", for 1,000 kits of varying heights for A/V materials made available to staff, students and community

C. Library Media Specialist and Technical Processing

No. of Items	Contractor Provided	District Provided (FF&E)	Description
3		X	Work station/chair
5		X	Guest chairs
2		X	Technical processing workstation, automated library-media management server and workstation, printer, chair, secretarial
1		X	Bookcase
1		X	Binder, automatic
4		X	File cabinet, four-drawer, legal, lateral, lockable
2		X	Book truck, double-faced
4		X	Chair
1-2		X	Worktables (30" x 72")
2		X	TV with VCR/DVD, for broadcast monitoring, on a

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
			movable AV cart
2			TV with VCR/DVD (2), for broadcast monitoring, on a movable AV cart
4		X	Computer workstation for automated circulation system
1		X	TV for closed circuit TV security system
1	X		Single sink with goose neck faucet (HW/CW)
2	X		Tack board, 4' x 4'
1	X		Clock, battery
	X		Built-ins (refer to special considerations)

D. Media Production/Copy Room (folded into Professional Library)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Paper cutters, various sizes
3		X	Photocopier
1		X	Laminator
		X	Ellison or AccuCut machine (large and small letters)
		X	Spiral binder, plastic comb, with assorted supplies
2		X	Automatic test corrector
2		X	Rizzograph copier machine
1		X	Poster-making machine, computer compatible; locate adjacent to computer
3		X	Table, 72"
8		X	Chair
1		X	Combination compact disc/tape player, recorder and speakers, not portable
2		X	Public access workstation
2		X	Computer, printer, flat bed scanner, and color printer
1		X	35 mm camera & digital camera
1	X		Single sink with goose neck faucet (CW/HW)
3	X		Tack board, 4' x 4'
1	X		6' x 8' Video Format Screen with black masking borders
1	X		Clock, battery
	X		Built-ins (refer to special considerations)

E. Professional Library (folded into Media Production/Copying)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
2		X	Lounge furniture - combination of chairs and tables to accommodate four people
1		X	Large worktable
8		X	Chair
4-6		X	Bookcases
1		X	Television/VCR connected to school CCTV network, on portable cart
1		X	Public access workstation, network access
2		X	Computer, printer, on-line access
1	X		TV/Multimedia cabinet (refer to General Considerations)

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
	X		Built-ins (refer to special considerations)

F. AV Storage (folded into CCTV Storage/Maintenance and Repair)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
3		X	27" data monitor/TV and AV input
1		X	DVD Player
3		X	VCR
3		X	54" carts with 8" wheels and locks
5		X	CD/cassette tape recorder
2		X	Overhead projector (traveling)
6		X	Overhead projector, with lamp changer, 4,000 lumens and cart
1		X	Slide projector
4		X	Portable sound system, with microphone and lectern
1		X	Opaque projector (optional)
4		X	Tripod screen, 60" x 60"
6		X	Camcorder, with battery pack and charger
6		X	Tripod for camcorder
4		X	Projection unit, digital/video
1		X	35 mm camera, (inexpensive instamatic)
4		X	Digital camera with disk storage
1		X	Transparency maker
4		X	3-shelf book cart
4		X	Smart Board
2		X	Color printer
1		X	Typewriter
1		X	Laptop computer with presentation stand
4		X	Presenter to attach computer to TV
2		X	TV/VCR combo for learning centers
	X		Built-ins (refer to special considerations)

G. Closed-Circuit TV, Production and Control

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Character Generator
3		X	Camera
3		X	Studio Kit
2		X	Teleprompter
1		X	DVD Player
1		X	Pro Audio Mixer
1		X	Microphone
2		X	Source Input
1		X	Boom Microphone Stand
3		X	Wired Lav Mics
2		X	Tripod, Dolly, Cam Head, Adapters
4		X	Monitor

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Monitor/Receiver
1		X	Applied Magic Editing Package
1		X	Intercom System
1		X	CD/Cassette Player
2		X	Powered Audio Monitor
1		X	Cables
1		X	Headphone
1		X	Video Mixer
2		X	DV Decker
1		X	Agile Modulator
1		X	Switcher
1	X		Double Scrim Curtain Tract and curtain (refer to special considerations)
1	X		Clock, battery (in control room)
	X		Built-ins (refer to special considerations)
	X		Pipe Rail grid and lights for studio (refer to SDPBC ITV Dept for specifications)

H. Group Project (folded into Reading/Stacks)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
30		X	Computer (2 shall be FACBC accessible)
4		X	Printer
30		X	Chairs

I. Technical Instruction Room

No. of Items	Contractor Provided	District Provided (FF&E)	Description
4		X	Computers
1		X	Printer
		X	Camera(s)
1		X	Table
4		X	Chairs
1		X	Editing equipment
1		X	Production of presentation
2	X		Marker Board, 4' x 8', with map rails and flag holder.
1	X		Tack Board, 4' x 4'
1	X		6' x 8' Video Format Screen with black masking borders
1	X		Pencil sharpener with proper backing
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards. Control Room and Studio shall be soundproof
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards. **A cyclorama (curved wall) shall be provided in one corner of the CCTV studio. There shall be no visible lines and the wall shall be smooth and painted chroma key blue or green.**
- E. **Ceiling** - As required to meet District Standards. Install double curtain track and curtains (no white) around one-half of production studio, opposite control room, ceiling mounted, at least 14" from walls. The ceiling in the studio shall be a minimum of 14' (12' AFF to bottom of pipe rail grid/lights).
- F. **Lighting** - As required to meet District Standards. Color-balanced fluorescent lighting with capability of separate switching of rows and lights evenly distributed to all areas of the reading room. Area shall have a master control switch with separate switches in each area including studio and control room. Dimmer switches in Reading/Stacks area for presentations. Lights above outside doors to conference rooms, and TV production room to alert visitors that rooms are "in use". Row lighting for studio ceiling. Mounted racked theatrical lighting with dimming control of individual fixtures for studio ceiling with adequate ceiling height for ceiling mounted lights. Provide task lighting above counter in control room.
- G. **Windows** - As required to meet District Standards. Provide observation windows from library media specialist's office to reading room and circulation desk. Provide windows, where necessary, for supervision; windows shall be low enough for visibility when seated. Provide **angled window** (refer to Design Criteria) to minimize reflection between CCTV control room and production studio; window in control room shall be no less than 34" high above the floor and no less than 36" wide. No windows in storage room.
- H. **Doors** - As required to meet District Standards. Provide a half glass door from CCTV control room to production studio and a solid door from reading room. Doors shall be installed to allow physical access from the control room to all rooms in the CCTV suite. Provide double, exterior doors for loading purposes. Interior doors shall be half glass, where appropriate.
- I. **Water/Plumbing Fixtures** – As required to meet District Standards.
- J. **Communications**

1. Intercom from central administration to all areas except CCTV studio. Optional block-out for intercom in reading/stacks room.
 2. Intercom to CCTV control room and reading room have a lock-out feature with emergency override.
 3. Telephone jacks at the circulation desk, in library media specialist's offices, technical processing room, TV control room, professional library media production room, and conference room(s). CCTV room shall have phone; provide network wiring for intra and inter network communications.
 4. Independent low-power sound system located in reading room.
 5. Voice data, network communication and ITV reception in the following areas: circulation desk, director's office, professional library, AV storage, CCTV control room, media production, and throughout the reading room where computer stations will be located (perimeter and columns).
 6. Voice data and network lines require built-in surge protection.
 7. ITV broadcast capability from technical processing room, reading room, CCTV control room, cafeteria, auditorium(s), principal's office, main sporting field, courtyards, and gym. The theater connection shall be four wires – two audio and two video. Install ITV outlets at each end of gym floor (non-seating areas) with an origination outlet at one end.
 8. Provide physical and intellectual access to information in native language.
- K. Electrical** - As required to meet District Standards. **Do not** locate wall outlets behind or above stacks. Locate necessary data and electrical outlets along columns for computers. Provide wiring and outlets for 30 computer stations in group projects (folded into reading room) and for automated library catalogue throughout media center where specified. Provide a strip outlet above work counter in technical processing, media production laboratory, and CCTV control room. An additional “on/off” switch for the studio lights shall be installed in the control room. Install two independent circuits with three double electrical outlets on each circuit in the control room and studio. ITV outlets shall be available on at least two opposing walls of the main studio. Provide wiring for library book
- L. Instructional Technology** – As required to meet District Standards. Provide electrical and data in the Reading Room/Stacks near the projection screen for multimedia equipment.
- M. Gas and Air** - As required to meet District Standards.
- N. Safety** – As required to meet District Standards.
- O. Fencing** - As required to meet District Standards.
- P. Service Drives** – As required to meet District Standards.

Q. **Parking** - As required to meet District Standards.

R. **Built-ins**

1. **Library Media Specialist's/Technical Processing**

- a. Provide base and upper cabinets with doors along entire length of one long wall, with stainless steel sink. Cabinets shall be lockable.
- b. Provide work counter along one wall with cabinets and drawers below. Drawers shall vary in depth: 6", 9", 12" with drawer stops. Cabinets shall be lockable.
- c. Shelving adjustable with backing for books, compact discs, videos, oversized books, varying in depth from 10" - 15" for the need of processing material.
- d. Provide one wall of base cabinets with open shelving above, one section designed for computer workstations with electrical outlets.

2. **Professional Library (folded into Media Production/Copying)**

- a. Provide base cabinet on one wall with upper cabinets with doors and adjustable shelves, lockable.
- b. Provide counter for computers and printers with grommets for wire management.

3. **AV Storage and Repair (folded into CCTV Storage)**

- a. Provide one wall of counter space with lockable front disabled accessible cabinets with adjustable shelves above and below, and stainless steel sink with laboratory-type faucet.
- b. Provide pegboard, approximately, 6' x 12', for storage of cords, headsets, etc.
- c. Provide adjustable shelving for videos, DVDs, compact discs, laser discs.

4. **Periodical Storage (folded into Reading/Stacks)**

- a. Provide standard library shelving with backing, adjustable.

5. **Closed-Circuit TV (Production and Control)**

- a. Provide double scrim curtain tract around one-half of production studio, opposite control room, ceiling mounted, at least 14" from walls.
- b. Provide pipe rail grid for production studio lighting; room lighting shall also

be included.

c. CCTV Control Room

- (1) Provide counter to accommodate 2-4 students with draw pedestal, 26"H, on wall, facing production studio, with plug molding at 28" above finished floor. No cabinets shall be installed in the control room that will impede comfortable seating at the control panel. If space is limited, it is preferable to have no cabinets at all in the control room.
 - (2) Opposite wall, provide open base cabinets with one adjustable shelf, work surface counter top and open shelving above.
 - (3) Provide pegboard, on full wall, opposite door.
 - (4) Provide and install three PVC conduit openings, 4" in diameter, at floor level, between production studio and control room to allow pass through for cables.
 - (5) Provide shelves above counter for video/cd storage.
- d. Cabinet for hanging costumes, lockable, in storage area, approximately 30 lineal feet, back drops.

6. Media Production and Copy Room

- a. Provide counter-height working area along one wall with open shelves above and below with doors, lockable. One area work station with knee hole. Counter shall contain sink with laboratory-type faucet. Provide electrical power strips above the counter.
- b. Provide base cabinets with drawers along one wall. Some drawers shall be 36" w for posters, etc.; drawer stops on all drawers.
- c. Provide island work area with open shelving to store large tag board, construction paper, posters, etc. Electrical outlets shall be placed on the counter top edge, not at baseboard.

7. Group Projects -

- a. Provide computer counters for 30 computers (2 shall be FACBC accessible).

S. Other Considerations

1. Design CCTV production studio and control room so noise will not transmit from lavatory facilities, common halls, placement of HVAC or plumbing

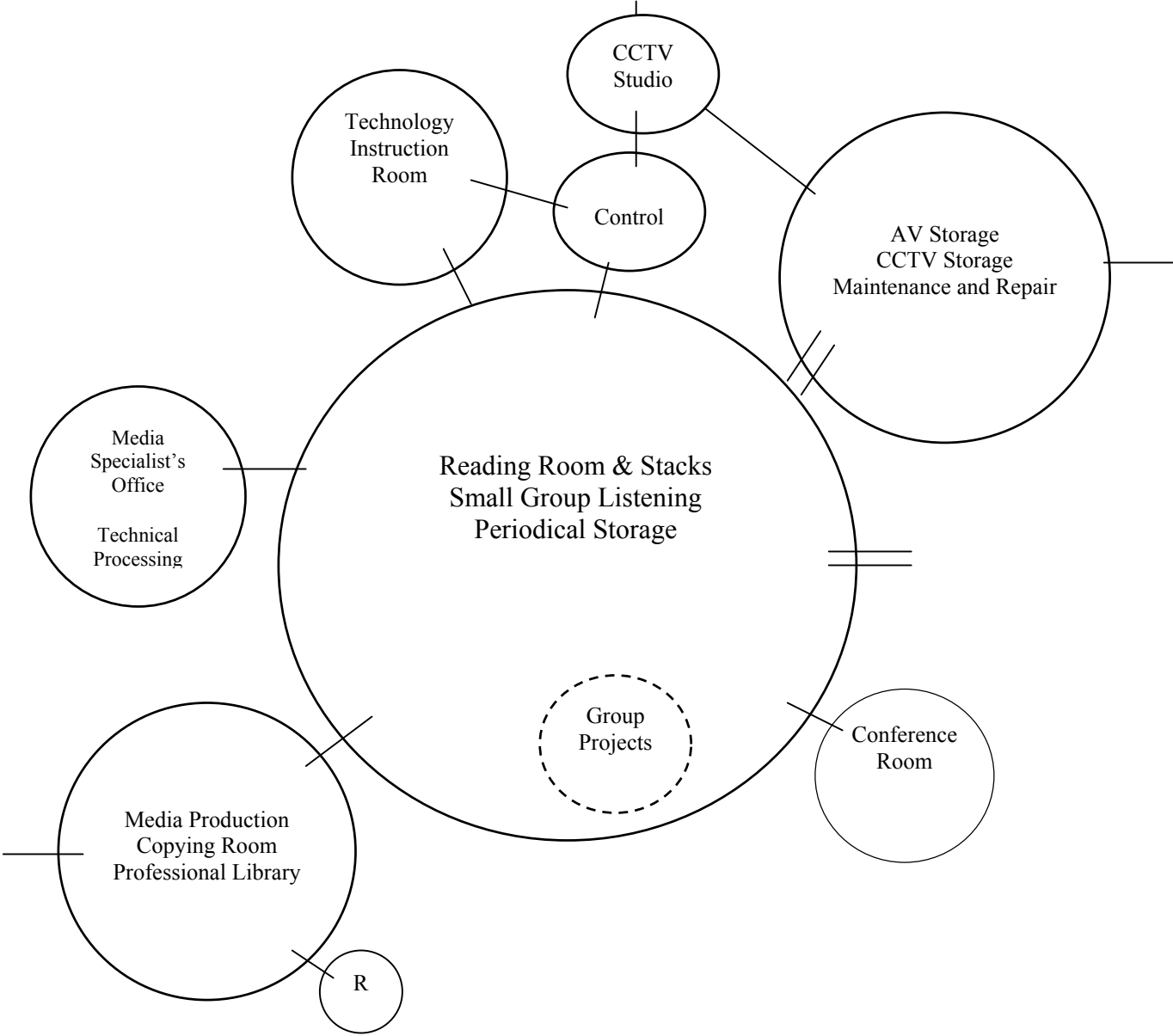
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pipes. Air handlers should not be located in the vicinity of the studio to avoid excess ambient noise and, if the studio is on a second floor, vibration from a handler located under the studio or nearby will result in a “jiggling” motion on the cameras. No PA’s shall be installed on control room or studio walls.

2. An independent low power sound system shall be provided for the reading room. The amplifier shall be placed in the vicinity of the circulation desk with speakers located throughout for even sound distribution.
3. ITV head-in amplifier shall be located no further than 500' from base of ITV tower.
4. Volume control on PA speakers in Reading Room
5. Circulation desk shall be located near entrance with visibility to entire reading room.
6. Walking area in CCTV Control Room shall be at least 5' wide from wall to counter.

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SPATIAL RELATIONSHIPS

Library Media Center



R = Restroom, Staff

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MATHEMATICS

I. PROGRAM PHILOSOPHY

Mathematics is man's attempt to quantify his environment. The language of mathematics provides a medium to translate the physical world into a system to facilitate recording, manipulation and generalization. As the world progresses rapidly in the technological areas, it becomes increasingly important for a person to master the highest level of mathematics possible.

II. PROGRAM GOALS

Each student will have an opportunity for:

- A. A basic foundation of mathematics
- B. An awareness of changing mathematical techniques
- C. A desire for further mathematical studies
- D. A meaningful and logical study of mathematics
- E. A challenge of mathematical creativity commensurate with ability
- F. A desire for mathematical optimum development and self-evaluation
- G. A meaningful relationship between the pure mathematics and the application of mathematics through the changing technological field.

III. PROGRAM ACTIVITIES

A. Curriculum

The following courses offer a spectrum of mathematical knowledge from consumer arithmetic skills to abstract concepts developed in calculus. The purpose of these courses is to provide maximum opportunities for students with varying abilities and goals.

- 1. Explorations I
- 2. Consumer Mathematics
- 3. AP Statistics
- 4. Algebra I and II (Regular and Honors)
- 5. Informal Geometry
- 6. Geometry
- 7. Intensive Mathematics
- 8. Integrated Mathematics
- 9. Liberal Arts Mathematics
- 10. Probability and Statistics
- 11. Trigonometry
- 12. Analytic Geometry
- 13. Mathematical Analysis
- 14. Mathematical Studies
- 15. Calculus
- 16. AP Calculus
- 17. Business Mathematics
- 18. Applied Mathematics I, II

B. Teacher Activities

1. Utilize lecture/class discussion
2. Use audio-visual aids such as ITV, video cassettes, and overhead calculators
3. Demonstrate on marker board, overhead projector and with computer simulation
4. Teach, test, and remediate individuals, small groups and large groups
5. Lead group activities
6. Plan in teams and individually
7. Answer individual student questions
8. Prepare students local, state and national mathematics competitions
9. Confer with individual students
10. Plan bulletin boards and interest centers
11. Make recommendations as to selection of materials and equipment
12. Assist with assembly programs
13. Sponsor enrichment programs
14. Help to plan and to lead field trips
15. Participate in teacher, parent and student conferences
16. Use manipulatives in the instructional process
17. Coordinate student use of manipulatives to facilitate the learning process
18. Provide for co-operative team learning

C. Student Activities

1. Work and study independently
2. Study in groups of two or more
3. Complete small group assignments
4. Complete large group assignments
5. View ITV, video cassettes, overhead calculators and computer simulators in groups and individually
6. Complete assignments on marker board and computer
7. Complete homework assignments
8. Utilize computer assisted instruction
9. Work in a computer lab setting a minimum of one day per week

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio 1:25

Grade Levels for Which Program is Intended 9 - 12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

- A. Area may be used for night classes and community school activities.
- B. The architect shall study the shape of typical classes to provide for efficient operation and communication utilizing various electronic media, as well as traditional teacher/student communications utilizing marker board and wall-mounted illustrations. The spaces must also provide flexibility for large and small group instruction as well as the capability for individualized. Electrical outlets shall accommodate use of computers as instructional tools.

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

- A. Teacher Planning and Material Storage shall be folded into the classroom to create a room of 900 NSF.
- B. Since Suncoast has International Baccalaureate and Math, Science & Engineering Magnet/Choice Programs, additional computer drops shall be added to the Classrooms.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	Mathematics					
3	Classrooms		756	2,268	25	75
3	Material Storage		90	270		
3	Teacher Planning		54	162		
	Total		900	2,700		75

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Classrooms

No. of Items	Contractor Provided	District Provided (FF&E)	Description
25		X	Student desk combo
1		X	Teacher desk and chair
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Table, 30" x 72"
1		X	Bookcase
1		X	Lectern
1		X	Stool
1	X		Math, Cartesian graph, permanent marker board or roll-up type and circle, similar to map set-ups. If none available, an extra board with a permanent Cartesian graph and circle, 4' x 4'
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
1	X		Marker board, 4' x 16', with map rails and flag holder
2	X		Tack Board, 4' x 4'
1	X		6' x 8' Video Format Screen with black masking borders
6-8		X	Computers
2		X	Printers
1	X		Pencil sharpener with proper backing
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

IX. SPECIAL CONSIDERATIONS – CONTRACTOR PROVIDED

Refer to GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL,

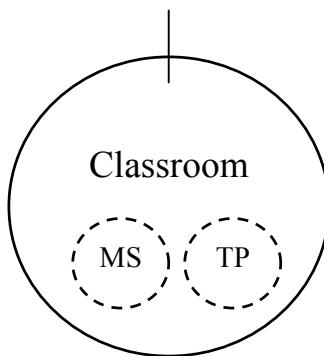
- A. Heating/Cooling/Ventilation - As required to meet District Standards.
- B. Acoustical - As required to meet District Standards.
- C. Floor - As required to meet District Standards.
- D. Walls - As required to meet District Standards.
- E. Ceiling - As required to meet District Standards.
- F. Lighting - As required to meet District Standards.
- G. Windows - As required to meet District Standards.
- H. Doors – As required to meet District Standards.
- I. Water/Plumbing Fixtures - As required to meet District Standards.
- J. Communications - As required to meet District Standards.
- K. Electrical - As required to meet District Standards
- L. Instruction Technology - As required to meet District Standards.
- M. Gas and Air - As required to meet District Standards.
- N. Safety – As required to meet District Standards.
- O. Fencing – As required to meet District Standards.
- P. Service Drives – As required to meet District Standards.
- Q. Parking – As required to meet District Standards.
- R. Built-ins
 - 1. Provide base cabinet with lockable doors and adjustable shelves and upper cabinets with lockable doors and adjustable shelves.
 - 2. Provide built-in bookcase, 5'L x 15"D x 40"H with adjustable shelves.
 - 3. Provide computer counter to accommodate 6-8 computers and two (2) printers. The counter shall have grommets for wire management.

4. Provide TV/Multimedia cabinet, approximately 48" in height with the TV monitor sitting on top of the cabinet. The TV/Multimedia cabinet shall include lockable doors with adjustable shelving for multimedia equipment. The TV/Multimedia cabinet shall also have grommets for wire management. The TV/Multimedia cabinet shall be located along or near the teaching wall

R. Other Considerations - N/A

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SPATIAL RELATIONSHIPS

Mathematics



MS – Material Storage
TP – Teacher Planning

Not all spaces are shown

**DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
MUSIC**

I. PROGRAM PHILOSOPHY

The purpose of the Music Education program is to develop in students the sensitivities, feelings, understandings, cultural values, enjoyment and skills necessary for them to have an aesthetic response to utilize and enjoy music as part of everything they do throughout life. The development of creativity can be greatly enhanced through music education.

The high school music program must offer those experiences which enable a student to listen to, write and perform music. Only through these three experiences can objectives of music education be achieved.

II. PROGRAM GOALS

Instructional Programs - The high schools shall have a music curriculum which includes experiences in singing, playing, composing, arranging, studying general music (literature, history) and performing in the student's choice of media.

III. PROGRAM ACTIVITIES

A. General Music

1. Exploratory courses in vocal, electronic, compositional, history and literature, and social instruments: electronic pianos, baritone ukes, guitar, melodicas, auto harps and percussion instruments.
2. Music history/theory

B. Vocal Classes

1. Mixed chorus
2. Intermediate mixed chorus
3. Vocal solo and ensemble
4. Advanced chorus

C. Instrumental Classes

1. Beginning band instrument
2. Intermediate band
3. Advanced band
4. Beginning orchestra
5. Intermediate orchestra
6. Advanced orchestra

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio: varies
 Grades Levels for Which Program is Intended 9 - 12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

Green Room/Recording room with facilities to tape and play back vocal, band and orchestra rehearsals and performances.

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F)

- A. Combined three practice rooms into one practice room for vocal.
- B. 225 NSF from recording room to green room in auditorium.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	<u>Music</u>					
1	Vocal Music Classroom			1,596		28
1	Ensemble Room			300		
3	Practice Room (combined into 1)		70	210		
1	Reference Room			100		
1	Material Storage			155		
1	Robe Storage			150		
1	Teacher Planning (out of allotment)					
	Subtotal			2,511		
1	Band Classroom			2,000		50
1	Ensemble Room			300		
3	Practice Room		70	210		
1	Reference Room			100		
1	Instrument Storage			600		
1	Material Storage			155		
1	Uniform Storage			175		
1	Studio			180		
1	Recording Room (to Green Room in auditorium)	225		0		
1	Instrument Repair			110		
1	Teacher Planning (out of allotment)					
	Subtotal			3,830		
	Total			6,341		78

VIII. PROGRAM FURNITURE AND EQUIPMENT

The following is a suggested Musical list with concentration on design considerations for instrument storage area. This list is a guideline and not a required list.

A. Band

No. of Items	Contractor Provided	District Provided (FF&E)	Description
110		X	Music posture chair
125		X	Music stand, adjustable
1		X	Teacher desk
1		X	Acoustical shell, folding (1 set for performance)
2		X	Storage truck or rack, for chair removal
1		X	Conductor system, podium
6		X	Table, 30" x 72"
1		X	Seated risers system, portable
1		X	Portable staging
1		X	Band folio cabinet with wheels (each slot 14 1/2" w x 14 1/2" d x 1 3/8" h)
1		X	Percussion cabinet on wheels
1		X	Marching band, lockable, folio cabinet
4		X	Portable rack to move music stands
1		X	Piano dolly
2	X	X	Sound system, portable: tape recorder, CD, stereo, stereo amplifier, speaker (4), recording microphone (2), cassette recorder (high quality) & microphone stand (2) (refer to special considerations)
1		X	Mobile Stereo Cabinet
1	X		Speakers built into classrooms that can be utilized with or without recording room equipment (refer to special considerations)
1		X	Marker board / tack board, portable
4		X	Computer
2		X	Printer
2	X		Marker Board, 4' x 8', with map rails and flag holder.
2	X		Marker board, 4' x 8', with staff
1	X		Tack Board, 4' x 4'
1	X		6' x 8' Video Format Screen with black masking borders
1	X		Pencil sharpener with proper backing
1	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

B. Vocal

No. of Items	Contractor Provided	District Provided (FF&E)	Description
100		X	Music posture chair
1		X	Teacher desk
1		X	Acoustical shell, folding (7 units)
2		X	Storage truck or rack, for chair removal

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Conductor system, podium
2		X	Table, 30" x 72"
1		X	Choral risers, seven sections, portable
1		X	Seated choral risers (7 units)
1		X	Portable staging
1		X	Grand piano, 6'
2		X	Choral folio lockable, cabinets with caster base with 100 slots each 10 1/2" w x 12 1/2"d x 1 3/8"h
1		X	Piano dolly for grand piano
2		X	Sound system, portable: tape recorder, CD, stereo, stereo amplifier, speaker (4), recording microphone (2), cassette recorder (high quality) & microphone stand (2) (refer to special considerations)
1		X	CD recorder
1		X	Mobile Stereo Cabinet
1	X		Speakers built into classrooms that can be utilized with or without recording room equipment (refer to special considerations)
4		X	Computer
2		X	Printer
2	X		Marker Board, 4' x 8', with map rails and flag holder.
2	X		Marker board, 4' x 8', with staff
1	X		Tack Board, 4' x 4'
1	X		6' x 8' Video Format Screen with black masking borders
1	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
1	X		Pencil sharpener with proper backing
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

C. Reference Room/Material Storage (Music Library)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
15		X	File cabinet, four-drawer, legal, lateral, lockable or music filing system
1		X	Paper cutter
1	X		Clock, battery
	X		Built-ins (refer to special considerations)

D. Ensemble Room & Practice Room

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Piano, upright, one for each room

E. Teacher Planning (per)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Filing cabinet, four drawer, legal, lateral & lockable
1		X	Teacher Desk and chair
1		X	Tack board, 3' x 4'

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

A. Heating/Cooling/Ventilation - As required to meet District Standards.

B. Acoustical - As required to meet District Standards. Provide optimum acoustics for rehearsal and teaching areas. Some considerations are as follows:

1. Two main acoustical factors: optimum acoustical environment and optimum hearing conditions by director and every student.
2. Acoustical environment: the maximum background noise level is 25 decibels with the optimum somewhat lower.
3. Reverberation time to allow for the separation of successive sounds is a critical problem in designing rehearsal facilities. The optimum reverberation time for a large rehearsal room is 1.1 seconds. If the time falls below .8 seconds for the band area, or 1.0 seconds for choral area, the room becomes too dead for effective use. If the time is much greater than 1.1 seconds for band, or 1.2 seconds for chorus, then boom, echo, and over-loudness will result, causing severe distortion of sound and producing an impossible rehearsal situation. It shall be noted that the reverberation times for band and choral rehearsal rooms are different and shall not be planned in the same way.
4. Proper distribution of sound depends upon the uniform diffusion of all sounds throughout the room.
5. Frequency levels throughout the full spectrum of audible sound must be allowed to be diffused equally. A proper balancing of materials is essential to eliminate the distortion caused by lack of attention to this detail.
6. Expert advice shall be sought in designing a Music room.
7. Soft wall-finish materials shall be limited to locations higher than students can bump into or reach, i.e., a minimum of 6' above floor.

C. Floor – As required to meet District Standards. Vocal room and band room shall be flat and unobstructed.

D. Walls - As required to meet District Standards. All walls acoustically treated to prevent sound transfer to adjacent spaces used for instruction. Walls shall be

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constructed to roof deck. Walls and ceilings shall be acoustically treated to provide maximum acoustical effect in each classroom, ensemble room and Music practice room. Provide mirror on one wall in each practice room.

- E. Ceiling** - As required to meet District Standards. Acoustically treated for best musical sound in each classroom, ensemble room and Music practice room. The band room ceiling shall be 22' and the vocal room ceiling shall be 20'.
- F. Lighting** - As required to meet District Standards.
- G. Windows** – As required to meet District Standards. No outside windows. No window in or near entrance doors. Provide view windows into classrooms and practice area. Observation windows from teacher planning to classroom areas. Windows in instructional area shall be acoustically treated to reduce sound transmission.
- H. Doors** – As required to meet District Standards. Doors must be secure against break-in to protect equipment. Doors and walls in instructional area shall be acoustically treated to reduce sound transmission. The double door with removable mullions from the rehearsal area to the outside shall be designed so that large instruments can be moved and groups of students can enter and exit quickly.
- I. Water/Plumbing Fixtures** - As required to meet District Standards.
- J. Communications** - As required to meet District Standards.
- K. Electrical** - As required to meet District Standards. Provide master switch for the instrumental and choral areas inside and near the entrance. Each side wall and back wall shall have a minimum of three outlets. The front wall shall have at least four placed at convenient intervals. In addition, retractable floor outlets shall be provided as follows: one at the director's podium location and six at equal intervals. Microphone plug-ins shall be provided in the front of the room -- one at director's podium, plus one on each side at front, 10' apart. In addition, (2) microphone jacks shall be placed in the ceiling so microphones could hang; they shall be placed in front of the room about 10' from the front wall and spaced about 12' - 15' apart. The contractor shall provide surround system wiring, speakers, base, subwoofer, etc. for laboratory. The District shall provide the musical equipment, stereo, recorder, CD player, etc
- L. Instructional Technology** – As required to meet District Standards.
- M. Gas and Air** – As required to meet District Standards.
- N. Safety** – As required to meet District Standards.
- O. Fencing** - As required to meet District Standards.
- P. Service Drives** - As required to meet District Standards. Because of the heavy use of music facilities at night, and also because of the need to transport students and equipment by bus and truck, the following shall be considered:

1. Provide access to street.
2. Convenient, well-lighted access for a large bus.
3. Convenient, well-lighted service access to the loading doors.

Q. Parking - As required to meet District Standards.

R. Built-ins

1. Classrooms (Band & Vocal)

- a. Provide cubbies, 18" x 18" (60) for student textbook storage near entrance doors.
- b. Provide computer counter to accommodate four (4) computers and two (2) printers (14'W x 30"D). The counter shall have grommets for wire management.
- c. Provide TV/Multimedia cabinet, approximately 48" in height with the TV monitor sitting on top of the cabinet. The TV/Multimedia cabinet shall include lockable doors with adjustable shelving for multimedia equipment. The TV/Multimedia cabinet shall also have grommets for wire management. The TV/Multimedia cabinet shall be located along or near the teaching wall

2. Reference/Material Storage (Music Library)

- a. Provide base cabinet, lockable, approximately, 8', with sink and counter. Provide lockable, wall-hung cabinets above counter.
- b. Provide shelving, maximum amount, full height, 10' w.

3. Instrument Storage - Provide special built-in shelves maximum amount, full height, appropriate to size of each instrument case from flute to tuba and drum size. Provide base cabinets with sink, lockable doors and adjustable shelves; and upper cabinets with lockable doors and adjustable shelves.

- a. 2 sets of 27 1/2" w x 19 1/4" d x 85 5/8" h to store 15 clarinets, flutes, piccolos or oboes
- b. 2 sets of 27 1/2" w x 29 1/2" d x 85 5/8" h to store 9 clarinets, flutes, piccolos or oboes and french horn, alto horn or snare drum.
- c. 3 sets of 27 1/2" w x 29 1/4" d x 85 5/8" h to store 10 trumpets, cornets or alto saxophones.
- d. 3 sets of 27 1/2" w x 39 1/4" d x 85 5/8" h to store 10 trombones, bassoons, bass clarinets, violins, violas, tenor saxophones or alto clarinets.
- e. 2 sets of 27 1/2" w x 29 1/4" d x 85 5/8" h to store 1 string bass, contra bass clarinet or bass drum, or use for general storage.

- f. 5 sets of 27 ½" w x 29 ¼"d x 85 5/8" h to store 3 french horns, alto horns or snare drums.
 - g. 2 sets of 27 ½" w x 39 ¼"d x 85 5/8" h to store 3 baritones, euphoniums or mellophones.
 - h. 2 sets of 48 ½" w x 29 ¼"d x 85 5/8" h to store 3 baritone saxophones, bass clarinets, bassoons, field drums or snare drums or for general storage.
 - i. 3 sets of 14 3/8" w x 29 ¼"d x 85 5/8" h to store 5 trumpets, cornets, alto saxophones.
 - j. 4 sets of 27 ½" w x 39 ¼"d x 85 5/8" h to store 2 bass drums, field drums, snare drums, or parade drums.
 - k. 4 sets of 48 ½" w x 29 ¼"d x 85 5/8" h to store 2 bass drums, field drums, snare drums, parade drums, tri-toms, quads, tubas or sousaphones (bell attached).
 - l. 1 set of 60 ½" w x 39 ¼"d x 85 5/8" h to store 1 timpani, chimes, small vibes and xylophones, marimbas and gongs. Adjust from 46" to 70".
 - j. 1 set of 48" w x 48"d x 85 5/8" h to accommodate up to six 48" wide adjustable shelves or up to six 360-degree revolving shelves.
 - k. It is preferred that the instrument storage cabinets are located in the instrument storage room. If instrument storage cabinets are located in the classroom, they should have lockable grill doors to minimize the amount of lost cubic volume.
4. **Uniform Storage** - Provide double-tiered rods with shelves above rods on all walls.
 5. **Robe Storage** – Provide single- tiered rods with shelves above rods on all walls.
 6. **Other Built-ins** – Provide a full-length mirror.
 7. **School Display/Exhibition** - Provide recessed display cabinet (6'W x 4'H) in hallway near music suite. Display cabinet should be 2' above finished floor.

S. Other Considerations

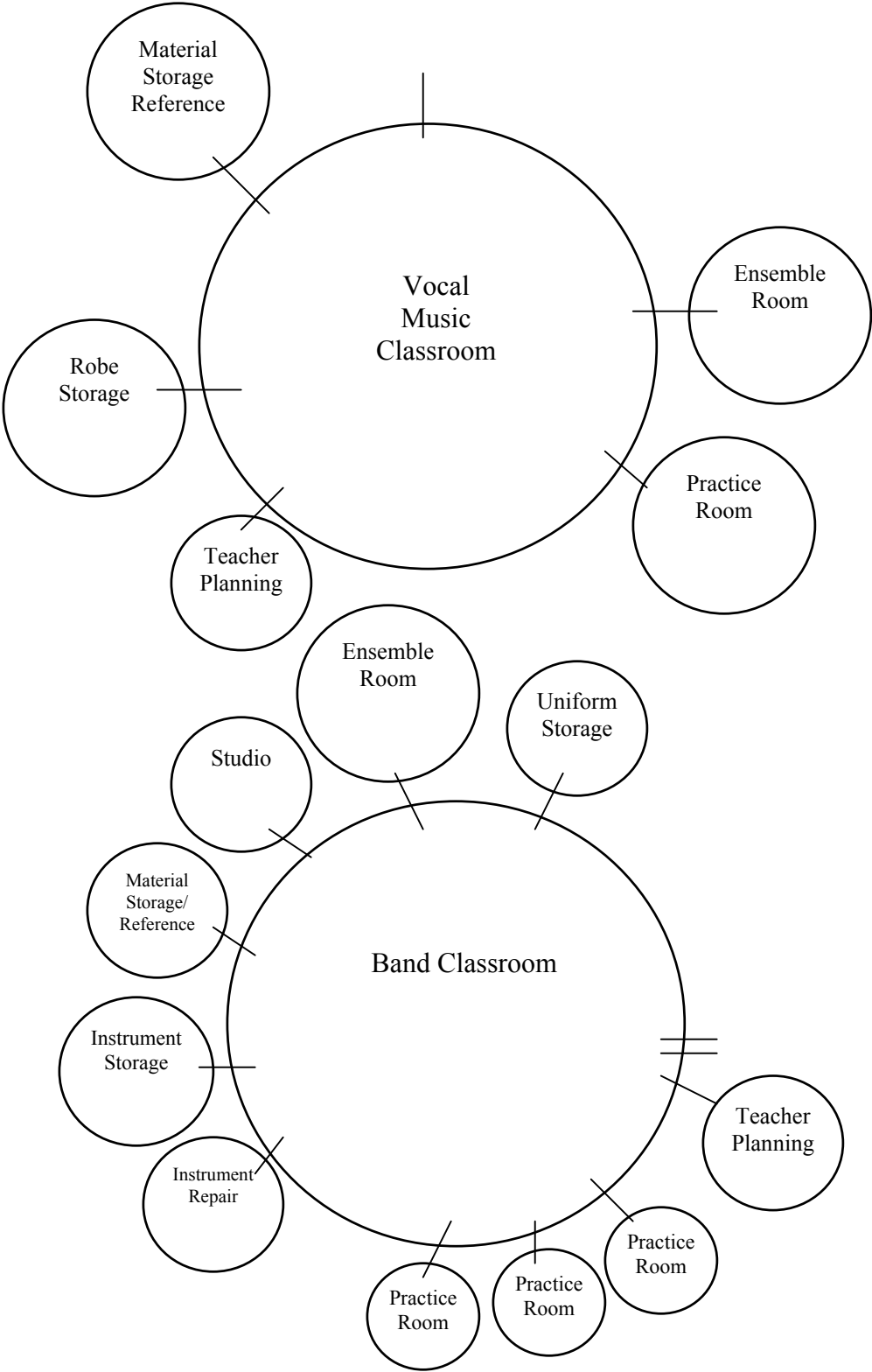
1. Practice Field and Drill Field - Provide stabilized, level, grassy area the size of a football field, convenient to the building for use of daytime band drills. Night drills would require the use of the lighted football field. If practice field is not available, provide an area in the parking lot without bumpers to be used by the marching band.
2. Music building shall be connected to the other buildings of the campus by well-

lighted covered walkways.

3. Campus planning shall minimize sound transmission from other areas into music areas.
4. Building to be designed so that transmission of sound is contained within the separate sections of the music department so as not to interfere with other music activities.
5. Restrooms to be accessible to all students.
6. Hearing Conditions
 - a. Reverberation time to allow for the separation of successive sounds is a critical problem in designing rehearsal facilities. The optimum reverberation time for a large rehearsal room is 1.1 seconds. If the time falls below .8 seconds for the band area, or 1.0 seconds for the choral area, the room becomes too dead for effective use. If the time is much greater than 1.1 seconds for band or 1.2 seconds for chorus, the boom, echo, and over-loudness will result, causing severe distortion of sound and producing a difficult rehearsal situation. It shall be noted that the reverberation time for band and choral rehearsal rooms are different and shall not be planned in the same way.
 - b. Proper distribution of sound depends upon the uniform diffusion of all sounds throughout the room.
 - c. Frequency levels, throughout the full spectrum of audible sounds, must be allowed to be diffused equally. A proper balancing of materials is essential to eliminate the obvious distortion caused by lack of attention to this detail.
 - d. Expert advice shall be sought in designing a music room.
 - e. Soft wall finish materials shall be limited to locations higher than students can bump into or reach, i.e., a minimum of six feet above the floor.
 - f. Classrooms shall be in close proximity to their related areas.

SPATIAL RELATIONSHIPS

Music



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PHYSICAL EDUCATION

I. PROGRAM PHILOSOPHY

Physical Education is an integral part of the total educational structure of the Palm Beach County School District. It provides significant contributions toward the total well-being of each child.

The overall aim of the curriculum for physical education is to offer progressive, sequential instruction which begins with appropriate basic skills and continues to its logical conclusion - physical activities of a lifetime nature.

We, as physical educators, believe that physical education shall provide each student with sufficient physical activity to maintain an optimal level of fitness and develop acceptable social, emotional and physical traits.

II. PROGRAM GOALS

- A. Make a major contribution to the personal fitness of each student including cardiorespiratory fitness, endurance, flexibility, agility, balance, muscular strength, speed, power and coordination.
- B. Develop in each student a positive attitude toward his/her personal involvement in physical activity.
- C. Help students understand the nature of rules, skills and strategies as they relate to physical education activities at the appropriate grade levels.
- D. Provide opportunities to help individual students develop a wholesome self-concept and an acceptable perception of others.
- E. Develop an interest and a desire to participate in lifelong recreational sports.
- F. Develop healthy attitudes concerning winning, losing and fair play.
- G. Develop the ability to identify options available in making personal decisions.

III. PROGRAM ACTIVITIES

A. Semester courses listed below. Schools select the courses they wish to offer.

- 1. Personal Fitness*
- 2. Fitness Lifestyle Design
- 3. Fitness Issues for Adolescence
- 4. Aerobics (3)
- 5. Weight Training (3)
- 6. Gymnastics
- 7. Swimming (3)
- 8. Tennis (2)

9. Golf (2)
10. Paddleball/Racquetball/Handball
11. Individual and Dual Sports (2)
12. Wrestling (2)
13. Track and Field
14. Basketball
15. Soccer
16. Softball
17. Volleyball (2)
18. Self Defense Activities
19. Recreational Activities
20. Outdoor Education
21. Care and Prevention of Athletic Injuries
22. Team Sports (2)
23. Dance Courses (15)
24. Adaptive Physical Education (6)
25. Health-I Life Management Skills*
26. Comprehensive Fitness
27. Racquet Ball (2)
28. Field Hockey
29. Lacrosse
30. Sports Officiating

* Required courses for graduation

B. Course Activities

1. Student Activities

- a. Dressing in physical education clothes and tennis shoes
- b. Reporting for roll call
- c. Participating in class exercises and activities
- d. Participating in class drills and master skills
- e. Participating in individual practice or assignments
- f. Taking fitness, skills, and written tests
- g. Listening to lectures, instructions and taking notes
- h. Watching demonstrations and other audio-visual instruction in the form of pictures, diagrams, charts, films, filmstrips and slides
- i. Going on field trips
- j. Reading and written work
- k. Participating in the scheduled class activities
- l. Taking a shower
- m. Officiating class activities

2. Teacher Activities

- a. Lecturing
- b. Leading exercises

- c. Demonstrating skills, methods and officiating
- d. Organizing squads and learning groups
- e. Supervising squads and groups
- f. Organizing teams and supervising team activities
- g. Organizing tournaments
- h. Instructing leaders and game officials
- i. Using marker board for instruction
- j. Showing audio-visuals
- k. Assembling, organizing and displaying bulletin board materials
- l. Working with test scores, grading and locker assignments
- m. Caring for and distributing equipment
- n. Supervising the use of facilities
- o. Purchasing equipment
- p. Checking attendance, dressing and participation
- q. Preparing written lesson plans, tests, and skill tests
- r. Organizing special services including towel services, clothing, locks, and lost and found
- s. Administrating first aid

3. Public Activities

- a. Public invited to events
- b. Hosting competitive events
- c. Hosting District, Regional, State and National events
- d. Community Events – i.e. S.S. games, NAIA Tennis, National Softball tournaments, recreational track meets, and Palm Beach County Sports Commission

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio varies

Grade Levels for Which Program is Intended 9 - 12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

- A. Design facility to comply with appropriate disabled accessibility rules.
- B. Adult and Community Education programs will use facilities after regular school hours and weekends. Equipment design and purchase shall recognize these uses. Design practice and planning fields with outdoor seating and lighting.
- C. Equip trophy cases with shatterproof glass. Trophy cases shall be located near cafeteria, gymnasium lobby and main office.
- D. Outdoor, PA system speakers shall be strategically located to cover all outdoor teaching areas.
- E. Investigate the use of artificial turf on fields where appropriate.

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

- A. 250 NSF from custodial to outside storage.
- B. 600 NSF from kitchen to stadium press box.
- C. Combine First Aid and Training Room into one larger room.
- D. 150 NSF from Multipurpose for Administrative Office.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	<u>Physical Education</u>					
2	Dressing Rooms		1,080	2,160		
2	Lockers		180	360		
2	Showers		180	360		
2	Drying		180	360		
1	P.E. Storage			810		
2	Restrooms		180	360		
2	Teacher Planning		250	500		
2	Teacher Planning – Advance P.E.		100	200		
2	Teacher Restrooms/Showers		132	264		
1	Administrative Office (150 NSF from Multipurpose)			150		
1	Weight Room			1,800		
1	First Aid			180		
1	Training Room			250		
1	Multipurpose Room (150 NSF to Admin Office)	1,050		900		
1	Wrestling Room			1,680		
1	Gymnastics/Dance			1,050		
1	Gymnasium Floor			6,500		160
1	Gymnasium Seating			8,000		
1	Gymnasium Storage			270		
1	Laundry / Towel			180		
1	Gymnasium Lobby			900		
1	Concessions			200		
1	Ticket Booth			30		
1	Outdoor Storage Building (250 NSF from custodial)			250		
1	Stadium Press Box (from kitchen)			600		
	Restrooms (from allotment)					
	Total			28,314		160

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Teacher Planning (per)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Teacher desk, per instructor
1		X	Teacher chair, per instructor
1		X	File cabinet, four-drawer, legal, lateral, lockable, per instructor
1	X		Tack board, 4' x 4'
1	X		Pencil sharpener, wall-mounted in each office
1		X	Computer & printer, 1 per instructor
1	X		First Aid kit, wall mounted, 1 per office
1		X	Stretcher, 1 per office
1	X		Clock, battery

B. Teacher Planning Advanced P.E. (per)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Teacher desk, per instructor
1		X	Teacher chair, per instructor
1		X	File cabinet, four-drawer, legal, lateral, lockable, per instructor
1	X		Tack board, 4' x 4'
1	X		Pencil sharpener, wall-mounted in each office
1		X	Computer & printer, 1 per instructor
1	X		First Aid kit, wall mounted, 1 per office
1		X	Stretcher, 1 per office
1	X		Clock, battery

C. Multipurpose

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Teacher desk
1		X	Teacher chair
1		X	File cabinet, four-drawer, legal, lateral, lockable,
1		X	Table, 30"W x 6'L
4		X	Chair, stackable
30		X	Student desk
1		X	Lectern
4		X	Computer
2		X	Printer
2	X		Marker Board, 4' x 16', with map rails and flag holder.
1	X		Tack Board, 4' x 4'
1	X		6' x 8' Video Format Screen with black masking borders
1	X		Pencil sharpener with proper backing
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Clock, battery
	X		Built-ins (refer to special considerations)

D. Weight Room (12 individual stations)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
8		X	Dumbbell stand, rack with a pair of 2 lb. and 5 lb. dumbbells. Continue in 5 lb. increments to 35 lbs. (8) pr., free-standing
12		X	Olympic weight set and bench, 400 lb. set, free-standing
12		X	Weight rack, free-standing or attached to floor
4		X	Curling bar and seat, fixed
1		X	File cabinet, four-drawer, legal, lateral, lockable,
4		X	Squat rack and benches
2	X		Tack Board, 4' x 4'
1	X		6' x 8' Video Format Screen with black masking borders
1	X		Marker board, 4' x 8'
1	X		Clock, battery
	X		Built-ins (refer to special considerations)

*All equipment shall operate mechanically.

E. First Aid/Training Room (Equal access for boys and girls); do not locate near dressing rooms.

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Whirlpool, approximately, 26"D x 22"W x 4'L, permanently fixed to floor with seat
1	X		Ankle whirlpool with chair
1	X		Refrigerator, 20 C.F. with adjustable shelves and ice maker
2		X	Thermo-pad, hot
3		X	Padded table, approximately, 30"W x 30"H x 78"L
1	X		Ice machine, make crushed ice, approximately, 400 lb. capacity
1	X		Tack Board, 4' x 4'
1	X		Clock, battery
	X		Built-ins (refer to special considerations)

F. Wrestling Room

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Wrestling mat, 40' x 40', divided into three or more sections with mat transporters
1	X		Padded walls, 5' in height (located on 3 walls)

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Tack Board, 4' x 4'
1	X		6' x 8' Video Format Screen with black masking borders
1	X		Clock, battery
	X		Built-ins (refer to special considerations)

G. Dance

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Sound system
1	X		Tack Board, 4' x 4'
1	X		6' x 8' Video Format Screen with black masking borders
1	X		Clock, battery
	X		Built-ins (refer to special considerations)
1	X		TV/Multimedia cabinet (refer to general considerations)

H. Gymnasium

No. of Items	Contractor Provided	District Provided (FF&E)	Description
2	X		Glass lexon basketball backboard (2), with break-away rims, forward swing, main court
4	X		Fiberglass basketball backboard (4), forward swing, side, cross court
6	X		Each backboard (6) is to be raised and lowered electrically and shall retract away from bleachers.
4	X		Regulation volleyball standards sleeves in floor – with maximum separation of courts, with net (2) for game use in athletic competition with official stand (2)
8		X	Portable volleyball standards
	X		Bleachers, electric
4	X		Chin-up bar, adjustable, wall-mounted (staff to locate with architect/ contractor)
1	X		12' Video Format Screen with black masking borders, retractable
2	X		Tack Board, 4' x 4'
1	X		Clock, battery
	X		Built-ins (refer to special considerations)

I. Laundry/Towel (2)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Clothes dryer, commercial
1	X		Clothes washer, commercial
1	X		Utility tub
	X		Built-ins (refer to special considerations)

J. Ticket Booth (2) in Gymnasium Lobby and Stadium (1)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Stool, 30"
1	X		Clock, battery

K. Concession Stand in Gymnasium Lobby and Stadium

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Refrigerator, approximately, 18 cubic feet
1	X		Ice machine, small cubes, 400 lb capacity
1		X	Portable Grill (at stadium)
1	X		Clock, battery
	X		Built-ins (refer to special considerations)

L. Locker Room

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Tack board, 4' x 6', visible by all
1	X		Marker board, 4' x 8', visible by all
1	X		Clock, battery
	X		Built-ins (refer to special considerations)

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards. Gym floor to be marked with regulation basketball lines to recognize school colors. Volleyball court lines painted white, 2" lines. The center court line for volleyball and basketball shall be a 4"W white line. The floor and base in the weight room shall be special rubberized flooring for gym equipment.
- D. **Walls** - As required to meet District Standards. Mirrored wall in dance space and weight room. Privacy partition in training room to separate whirlpool from rest of room.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** - As required to meet District Standards. Master switch to control lights for

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locker and shower areas located in teacher's office. Control switch for gym lights located near an exit. Spot lighting for special events. Two light fixtures with protective covers for outdoor storage building. Provide lights at stadium.

- G. Windows** - As required to meet District Standards. Provide a one-way window between each teacher planning office and the locker/dressing areas. Provide ticket window in ticket booth. Provide a roll-up window at concession stand.
- H. Doors** - Provide ticket window in ticket booth. Double-wide doors with removable mullion for gymnasium, all storage areas, storage building, weight room and wrestling room. Extra wide doors for laundry rooms. One double-wide door to gym shall be located directly across from the wrestling room to provide for transporting of wrestling mats. Provide dutch door at laundry room and teacher planning.
- I. Water/Plumbing Fixtures** – As required to meet District Standards. Provide water fountains at fields and courts.
- J. Communications** - As required to meet District Standards. Wall clock (2) located in gymnasium and locker rooms. Provide P.A. system speakers on exterior wall of Physical Education Building; inside Gymnasium with microphone jacks; press box at stadium; baseball field and softball field.
- K. Electrical** - As required to meet District Standards.
- L. Instructional Technology** - As required to meet District Standards.
- M. Gas and Air** - As required to meet District Standards.
- N. Safety** - As required to meet District Standards.
- O. Fencing** - As required to meet District Standards.
- P. Service Drives** - As required to meet District Standards. Locate for delivery of equipment and loading and unloading of teams.
- O. Parking** - As required to meet District Standards. Locate outdoor fields near parking to allow enough spaces for after school and weekend uses, including community school use.
- R. Built-ins**
 - 1. Laundry/Towel** - Provide counter space for sorting and folding towels, etc., approximately, 36"D x 34"H x 5'L. Provide storage cabinet each room, lockable with adjustable shelving, approximately, 3'H x 3'L x 24"D. Locate adjacent to machines. Provide wall-length shelving on two walls, 4' from floor, three rows each on wall; adjustable shelving, approximately, 24"D. Provide a row of hooks or pegs, approximately, 18" apart located under lower shelf of each side of room.

2. **Concession Stand** – Provide counter space, locate at opening for serving, approximately, 42”H x 24”D x 10”L. Provide two rows of shelving under counter, approximately, 24”D x 10”L; adjustable shelves with a 2” lip; three rows of adjustable shelving on opposite wall from counter; begin 4’ from floor, approximately, 24”D x 10”L with a 2” lip.
3. **Teacher Planning** -: Provide shelf with closed ends for each teacher, approximately, 3’L x 18”D x 24” apart.
4. **Multipurpose** - Provide material storage cabinet (2), lockable, approximately, 4’H x 6’W x 24”D with adjustable shelving. Use cabinets for storing Resusci Annies (CPR dummy), textbooks, audio-visual, etc.
5. **Physical Education Storage** – Provide shelving on three walls, each storage room, begin 3’ from the floor, run length of wall, four rows each wall with adjustable shelving, approximately, 24”D with a 3” lip.
6. **Gymnasium Storage** – Provide shelving on one wall, each storage room, begin 3’ from floor, run length of wall, four rows of adjustable shelving, approximately, 24”D with a 3”lip.
7. **First Aid/Training Room** – Provide base cabinet with double sink and lockable doors and adjustable shelves; and upper cabinets with lockable doors, adjustable shelves. Storage cabinet, lockable, with adjustable shelving, approximately, 4’H x 6’W x 24”D.
8. **Dance** - Provide cabinet for storage of sound equipment, lockable, approximately, 72”H x 24”D x 48”W. Provide 40’ of stainless steel mirror on one wall, approximately, 6’H. Provide 40’ of dance bar on opposite wall.
9. **Ticket Booth** – Provide built-in shelf, approximately, 12”-15”D to facilitate handling of tickets and money in ticket window. Provide a built-in, lockable, drawer for use with ticket sales.
10. **Outdoor Storage** - Provide shelving on one wall; three rows, length of wall, 24” between rows; shelf 24”D with a 3” lip; begin shelving 4’ from floor; on opposite wall, 5’ from floor, locate a 2” x 6” x 15’ pegboard with 3/4” x 6” pegs inserted at a 60 degree angle at 2’ intervals.
11. **Teacher Rest Room** - Provide locker (15), each area, (5) - P.E., (10) -Advanced P.E.; approximately, 12”W x 18”D x 72”H. Provide a stainless steel mirror, each area, approximately, 4’ x 4’. Provide shower curtain/rod each area.
12. **Weight Room** - Provide mirror along on one wall. Provide storage cabinet recessed into the wall for supplies and equipment.
13. **Wrestling Room**: Provide mats, 5’ up each wall. Above padded walls, provide

pegboard (2), mounted, approximately, 7' from the floor for climbing. Provide a storage area, cabinets and air-contained room, for meet mats to be rolled up and stored.

14. **Gymnasium** – Provide and install gym divider, ceiling-mounted, electrically operated. Locate above center court marking. Provide collapsible bleachers, located on both side of gymnasium, electrically operated. Provide one separate set of bleachers located at end of gym opposite main entrance. Install floor plates for and regulation volleyball standards. Floor plates for the competition volleyball courts shall be located 3'6" outside of the court markings, directly in line with the center line (4"). Additional plates shall be installed for practice courts (length of main basket ball court) as space permits. Provide climbing rope (3), approximately, 24'L, fastened to ceiling girders, adjacent to bleachers on each wall. Install with pulley system and security lock. Combination basketball, volleyball and wrestling electric scoreboard (2), located at each end of gym. Safety wall mats installed where needed.
15. **Drying Area** - Provide towel hook (40)
16. **Locker Room Restroom** (2): Stainless steel mirror, each rest room, approximately, 4' x 8'. Do not locate over sinks.
17. **Locker Room:** (PEAK LOAD - 160): (960) lockers at each area (boy's and girl's) approximately **12"W x 12"H x 16"D** (small) in size with a combination lock for each locker. (160) lockers at each area (boy's and girl's) approximately **12"W x 36"H x 16"D** (large) in size. Combine six (small)-and-one (large) lockers to create a set. Fasten lockers to floor or wall, approximately, 6" to 8" above floor. Install benches in front of lockers, approximately, 30" away from lockers. Security mirrors as required for visibility in blind spots. Therefore, 1,120 lockers installed on both the boy's and girl's side of the locker rooms with a total of 2,240 lockers for a 2500 capacity school.

Size of Lockers	1800 Capacity	2000 Capacity	2500 Capacity
12"W x 12"H x 16"D	720 for girls 720 for boys	768 for girls 768 for boys	960 for girls 960 for boys
12"W x 36"H x 16"D	120 for girls 120 for boys	128 for girls 128 for boys	160 for girls 160 for boys
TOTAL	840 for girls 840 for boys	896 for girls 896 for boys	1,120 for girls 1,120 for boys

18. **Varsity: Physical Education Locker Room:** (PEAK LOAD - 100): (150) lockers at each area (boy's and girl's) approximately, **15"W x 18"D x 36"H** in size with combination locks for each locker. Fasten lockers to floor or wall, approximately, 6" to 8" above floor. Install benches in front of lockers, approximately, 30" away from lockers. This locker room area shall be separated from the main locker room area by means of a wire mesh fence or similar partition. Security mirrors for visibility in blind spots may be installed. Therefore, a total of 300 lockers.

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Size of Lockers	1800 Capacity	2000 Capacity	2500 Capacity
15"W x 18"D x 36"H	150 for girls 150 for boys	150 for girls 150 for boys	150 for girls 150 for boys

- S. **Other Considerations** - Lockers shall be installed to insure that maximum utilization of room space is made. Locate as many lockers as possible on the walls of the locker rooms. Any and all rows shall be designed so that instructors will have an unobstructed view of the locker and dressing areas, as well as entrance doors.

Locate one spit fountain in the wrestling room and weight room. Locate training room adjacent to multipurpose and weight rooms.

1. Outside Facilities

a. **Tennis court (8)**

- (1) 21' clearance at each end of court
- (2) 12' clearance between courts and/or fence; court size, 36' x 78'

Utilize a smooth, hard surface, with appropriate court markings. All courts shall be fenced with wind screen and access gates.

b. **Combination Basketball/Volleyball Court (4)**

- (1) court surface, 50' x 84', each court
- (2) clearance, 10', on all four sides

Playing surface must be of a suitable smooth, hard surface, marked for basketball and volleyball with contrasting colors.

c. **Track/Field Events**

Regulation 400 meter, eight-lane running track, with all proper lane markings for standard and metric events. Provide and install the areas for the field events: shot put, discus, low jump, triple jump, pole vault and high jump.

Regulation size soccer field with Bermuda grass shall be located within the track area with locations for portable goals. Permanent football goals posts shall be in place for regulation football field.

d. **Baseball**

A regulation baseball field (90' bases) shall be built with regulation backstop and Bermuda grass infield and outfields with clay base paths. The dugout shall have a roof and concrete floor. Include metal or concrete benches, seat 20 for both dugouts. The contractor shall provide the PA system and lights.

e. **Softball**

Enough land space shall be provided for softball fields (2), 65' bases, one for practice and physical education use and one regulation field with Bermuda grass outfield and infield with clay base paths. Backstops included in each field. The practice field shall have bahia grass outfield and infield with clay base paths. The dugout shall have a roof and concrete floor. Include metal or concrete benches, seat 20 for both dugouts. The contractor shall provide the PA system and lights.

f. **Stadium**

Locate stadium around running track/soccer field. Provide 3,000 bleachers for the home side and 1,000 bleachers for the visitor side. An elevator to the press box. Electrical and computer outlets in the press box with PA system. The contractor shall provide the PA system and lights.

G. **Practice Field**

Enough land space shall be available for large bahia grassed area (3), 150'x300' minimum, for field games and practice areas for athletic teams and band use.

All of the areas above shall be sodded, properly drained and provisions made for proper irrigation.

Consideration shall be given to the following: Tennis and basketball courts shall be designed for play by participants facing north and south to diminish the amount of sun in the players' faces. Regulation baseball and softball fields shall be designed so that the afternoon sun is over the back and shoulders of the first baseman during practice and games.

Provide and install portable aluminum bleacher section (4), five-row minimum, capacity, 40 - 50 students.

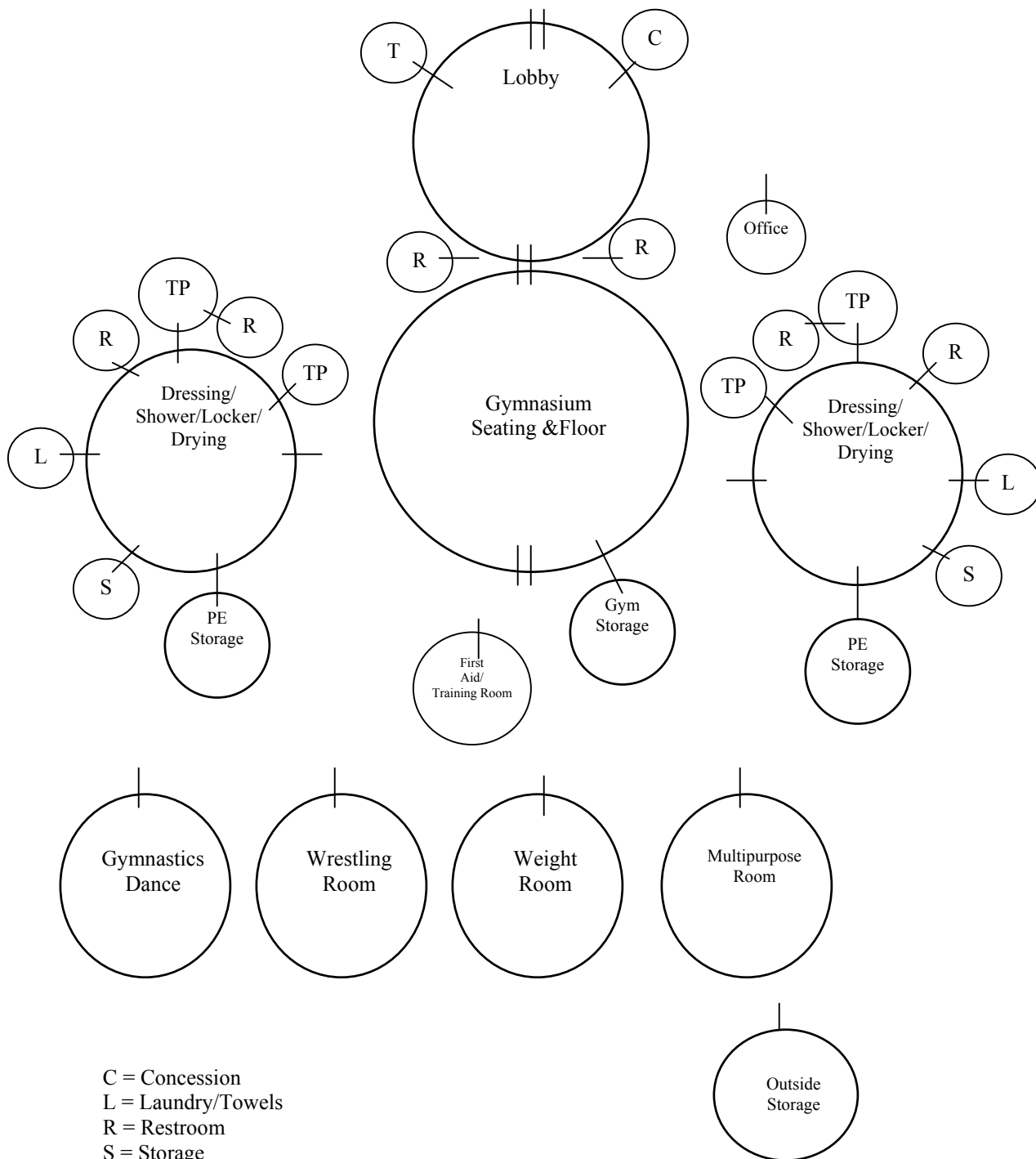
Irrigation and lighting to be controlled at outdoor storage building.

Contractor shall provide all tennis nets, volleyball nets, basketball nets, etc. and standards.

Contractor to provide conduit and scoreboards at the stadium, softball and baseball fields.

SPATIAL RELATIONSHIPS

Physical Education



- C = Concession
- L = Laundry/Towels
- R = Restroom
- S = Storage
- T = Ticket Booth
- TP = Teacher Planning

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
RESOURCE ROOMS

I. PROGRAM PHILOSOPHY

All students are entitled to receive appropriate educational services designed to achieve two major objectives: (1) the development of skills and competencies common to all citizens; (2) the development of skills and competencies unique to the students' individual potentialities.

II. PROGRAM GOALS

Students will be provided educational programs designed to meet their individual needs.

III. PROGRAM ACTIVITIES

Instruction will be provided in academic, vocational, living skills and enrichment curriculum areas.

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio 1:15
 Grade Levels For Which Program Is Intended 9-12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

N/A

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

A. Combine Resource Rooms and Material Storage to create 2 Lecture Halls/Distance Learning Centers.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	<u>Resource Room</u> (1/250 stations - SREF)					
7	Resource Room (combine resource rooms and storage to create 2 lecture hall/distance learning centers)		480	3,360		
7	Material Storage		90	630		
	Total		570	3,990		

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Lecture Hall/Distance Learning Center

Architect shall work with staff with regards to the type and quantity of FF & E and built-ins and the placement of FF & E and built-ins for the Lecture Halls/Distance Learning Centers.

No. of Items	Contractor Provided	District Provided (FF&E)	Description
	X		Counters for computers set up in a tiered theater style for distance learning
1		X	Teacher desk and chair
		X	Chairs
1		X	File cabinet, four-drawer, legal, lateral, lockable, chemical resistant top
		X	Computers
		X	Printers
1	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
2	X		Marker Board, 4' x 16', with map rail and flag holder
1-2	X		Tack Board, 4' x 4'
1		X	Smart Board (large)
3	X		6' x 8' Video Format Screen with black masking borders
		X	Audio Enhancement system
1			Camera to view document
2			Camera for distance learning system
1	X		Pencil sharpener with proper backing
1	X		Clock, battery
	X		Built-ins (refer to special considerations)
1	X		Teacher demonstration table (refer to special considerations)
1	X		Table/podium for central control of cameras and other equipment for the Distance Learning system

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

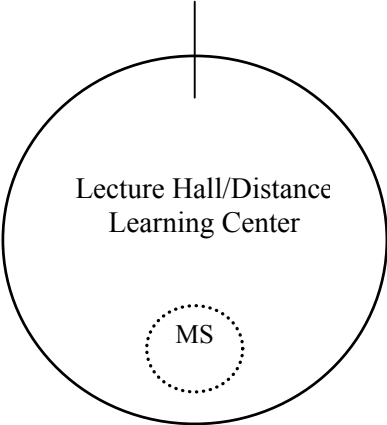
Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards. Provide partition walls for the Lecture Halls.
- E. **Ceiling** - As required to meet District Standards.

- F. **Lighting** - As required to meet District Standards.
- G. **Windows** - As required to meet District Standards.
- H. **Doors** - As required to meet District Standards.
- I. **Water/Plumbing Fixtures** - As required to meet District Standards.
- J. **Communications** -. As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards.
- L. **Instructional Technology** - As required to meet District Standards.
- M. **Gas and Air** - As required to meet District Standards
- N. **Safety** – As required to meet District Standards.
- O. **Fencing** - As required to meet District Standards.
- P. **Service Drives** – As required to meet District Standards.
- Q. **Parking** - As required to meet District Standards.
- R. **Built-ins**
 - 1. Provide base cabinet with lockable doors and adjustable shelves and upper cabinets with lockable doors and adjustable shelves.
 - 2. Provide built-in bookcase, 5'L x 15"D x 40"H with adjustable shelves.
 - 3. Provide computer counter to accommodate computers and printers. The counter shall have grommets for wire management.
 - 4. Provide TV/Multimedia cabinet, approximately 48" in height with the TV monitor sitting on top of the cabinet. The TV/Multimedia cabinet shall include lockable doors with adjustable shelving for multimedia equipment. The TV/Multimedia cabinet shall also have grommets for wire management. The TV/Multimedia cabinet shall be located along or near the teaching wall
 - 5. Provide theater type seating and workspace for students and computers. The electrical and computer/data hook ups should be located below the counters. The counters shall have grommets for wire management.
- S. **Other Considerations**
 - 1. Architect shall work with staff with the design and placement of the Lecture Halls/Distance Learning Centers.

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SPATIAL RELATIONSHIPS

Resource Room



MS – Material Storage
Not all spaces are shown

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RESTROOMS**

Provide public restrooms in gymnasium, auditorium, and administration. Provide restrooms for kitchen staff in kitchen. Provide restrooms for faculty and staff immediately adjacent to staff dining. Provide restrooms in clinic. Provide staff restroom adjacent to teacher planning for shared disciplines. Ceramic tile in toilets shall be floor to ceiling.

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	<u>Restrooms</u> (adjust square footage for FACBC and parity requirements)					
	Public Toilets			360		
	Student			2,700		
	Staff			<u>720</u>		
	Total			3,780		

Although square footage allocation is per SREF, accommodations for size of spaces and numbers of spaces must be made for F.A.C.B.C. and parity.

**DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
SCIENCE**

I. PROGRAM PHILOSOPHY

Today's society requires scientifically literate and laboratory-skilled high school graduates. Therefore, it is imperative that they participate in a dynamic science education program with considerable laboratory opportunities. Such a program will encourage student understanding of the experimental nature of science, increase the level of students' technical skills, and enhance student enthusiasm.

II. PROGRAM GOALS

- A. Maximize laboratory use and provide a laboratory-centered science experience for all students.
- B. Provide a cost-effective laboratory program through more efficient utilization of materials and equipment.
- C. To eliminate equipment duplication.

III. PROGRAM ACTIVITIES

A. Courses Offered

- | | |
|---------------------------------|------------------------------|
| 1. Earth Science | 9. Botany |
| 2. Biology I, II, honors & AP | 10. Zoology |
| 3. Marine Science | 11. Astronomy |
| 4. Chemistry I, II, honors & AP | 12. Environmental Science |
| 5. Physical Science | 13. Ecology |
| 6. Physics I, II & AP | 14. Principles of Technology |
| 7. Science Research | 15. Genetics |
| 8. Anatomy and Physiology | 16. Intergrated Science |

The facilities must be adaptable to all these curricula. It is planned that all courses will be taught with an emphasis on investigation.

B. Teacher Activities

- 1. Conduct lecture/class discussion.
- 2. Demonstrate for single and double classes in lecture room.
- 3. Demonstrate on marker board and with overhead projector.
- 4. Plan, provide and lead laboratory activities.
- 5. Use ITV, films, Closed-Circuit TV, etc.
- 6. Teach, test and remediate individuals, small and large groups.
- 7. Prepare students for science fair competitions.
- 8. Answer individual student questions.
- 9. Plan individually and departmentally.
- 10. Team two teachers with single and double classes in teaching/lecture room.
- 11. Use models, charts and whiteboard
- 12. Conduct outdoor instructional activities for classes and individual students.

C. Student Activities

1. Classroom/Laboratory

- a. Perform activities in small and large groups.
- b. Listen to lecture and participate in class discussions.
- c. Watch audio-visual and ITV presentations
- d. Participate in small group activities with display equipment, such as aquarium models and other apparatus for class projects not requiring laboratory facilities.
- e. Maintain animals and plants.
- f. Observe specimens under a microscope.
- g. Plan, prepare, demonstrate, and exhibit science fair projects.
- h. Perform activities which involve the use of gas, water, air and electricity.
- i. Utilize counter space to read earth science maps, operate computers, etc.
- j. Study and experiment individually.
- k. Collect and identify rocks, minerals and soil.
- l. Perform scientific experiments in groups of two or three. These experiments will apply, prove and/or test basic theories which have been presented in the classroom.
- m. Use a variety of microscopes.
- n. Utilize apparatus and equipment in performing scientific experiments requiring electricity, water, air, and gas.
- o. View ITV, films, and/or videos individually and in groups.
- p. Interface the computer with basic laboratory equipment.

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio 1:25

Grade Levels for Which Program is Intended 9 - 12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

- A. Provide for inter- and intra-departmental Closed-Circuit TV which will allow for the transmission of appropriate lectures and demonstrations to selected

classrooms/laboratories.

The opportunity for centralizing signal origination shall be available. Selective switching of programming to points of signal origination shall include the classroom/laboratories.

- B. Community School utilization in science-related interest areas, e.g., electricity, astronomy.
- C. Science areas shall have a lockable, equipment maintenance room with hose bibb to allow cleaning and storage of wet equipment after field trips.
- D. Six science laboratories shall be equipped for Biology, Chemistry, Physics, and Earth/Physical Science programs.

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

- A. Chemical Storage of 400 NSF is necessary to meet the current state safety standards for the storage of chemicals and for the preparation of chemicals for laboratory use.
- B. Material Storage and Project Storage should be combined to create a 190 NSF shared storage for two classrooms.
- C. Additional computer drops shall be located in the Science Demonstration/Classrooms.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF	Proposed		Proposed	
		Sq. Ft. Total	Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	Science					
15	Science Demonstration/Classroom		1,300	19,500	25	375
1	Computer Laboratory			900		25
8	Project Storage		95	760		
8	Material Storage		95	760		
1	Chemical Storage			400		
	Total			22,320		400

II. PROGRAM FURNITURE AND EQUIPMENT

A. Laboratory (per lab)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
4	X		Tables to seat eight students at each table; F.A.C.B.C. and F.A.C.B.C. accessible, flat table top: no monitor well turret, enclosure or infrared remote keyboard; include sink module; exclude portable cabinet cubicles and upright clamp rod assembly; include cold water unicast fixture with gas (no unimix H/C).
1		X	Teacher desk and chair
1		X	Laboratory Stool, adjustable back
1		X	Table, 30"W x 72"L
32		X	Chair
1		X	File cabinet, four-drawer, legal, lateral, lockable, chemical resistant top
2		X	Laboratory cart, portable
1		X	Fume hood, permanent, vented to outside, in the chemistry lab
1		X	Safety shield, (explosion shield) portable
1		X	Sterilizer for safety goggles with lamp
1		X	Trash can, 25-gal., non-metal
1		X	Spark-resistant safety can for disposal of flammables
1		X	Dry chemical waste container
16		X	Microscope
40		X	Safety goggle and spill-control pillows
1		X	Sand bucket, 25 pounds
30		X	Student apron
1		X	Teacher Lab coat
1		X	Electronic Scale
1		X	Ultrasonic cleaner
1		X	Microviewers
1		X	Flex Cam
25		X	Triple-beam balance
1		X	Stream table, portable (Earth Science only)
1		X	Weather station with Barograph, Thermograph, etc. (Earth Science only)
8	X		Sinks, stainless steel (with sink covers)
1	X		Deluge shower and eye wash
1		X	Glassware drying rack
6-8		X	Computer
2		X	Printer
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
2	X		Marker board, stackable, 4' x 16', with map rail and flag holder
2	X		Tack Board, 4' x 4'
1	X		6' x 8' Video Format Screen with black masking borders
1	X		Pencil sharpener with proper backing
	X		Fire extinguishers, per code
1	X		Fire blanket, wall-mounted
1	X		First Aid kit, wall mounted

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Display cabinet, transparent front
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)
1	X		Teacher demonstration table (refer to special considerations)

B. Chemical Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Glassware drying rack
1		X	Trash can, 25-gal. capacity, non-metal
4	X		Smoke detector
1		X	File cabinet, four draw, legal, lateral, lockable
1	X		Refrigerator with ice maker, shared within department
1	X		Dishwasher, shared within department
	X		Exhaust fan per code
1	X		Double stainless steel sink
5		X	Stainless steel laboratory, cart
3	X		Fire proof steel storage cabinet (3), lockable -- one cabinet each for caustics, acids and flammables
1	X		Fixed fume hood, vented outside
	X		Built-ins (refer to special considerations)

C. Material Storage (per)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Glassware drying rack
1		X	Trash can, 25-gal. capacity, non-metal
	X		Smoke detector, per code
	X		Exhaust fan, per code
1	X		Double stainless steel sink
	X		Built-ins (refer to special considerations)

D. Computer Laboratory Dedicated to the Science Department

No. of Items	Contractor Provided	District Provided (FF&E)	Description
30		X	Computer workstation with wire management
1		X	Teacher desk and chair
30		X	Chair
1		X	File cabinet, four-drawer, legal, lateral, lockable, chemical resistant top
30		X	Computer
4		X	Printer
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Marker Board, 4' x 16', with map rail and flag holder
2	X		Tack Board, 4' x 4'
1	X		6' x 8' Video Format Screen with black masking borders
1	X		Pencil sharpener with proper backing
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** - As required to meet District Standards.
- G. **Windows** - As required to meet District Standards. Provide observation window between material storage and laboratories.
- H. **Doors** - As required to meet District Standards.
- I. **Water/Plumbing Fixtures** - As required to meet District Standards. Provide master shut-off valve for water.
- J. **Communications** - As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards. Master shut-offs to all electrical outlets in an area shall be provided and located in a secure area near the demonstration areas in laboratories and near the exit doors of other areas, with the exception of the chemical storage room where the master shutoff will be located externally and marked.
- L. **Instructional Technology** - As required to meet District Standards.
- M. **Gas and Air** - As required to meet District Standards. Provide two gas lines at teacher station and at student stations. For Chemistry and Advanced Biology laboratories, provide compressed air, gas and water at teacher station and at student stations. Provide master shut-off valves for gas and compressed air. Based on

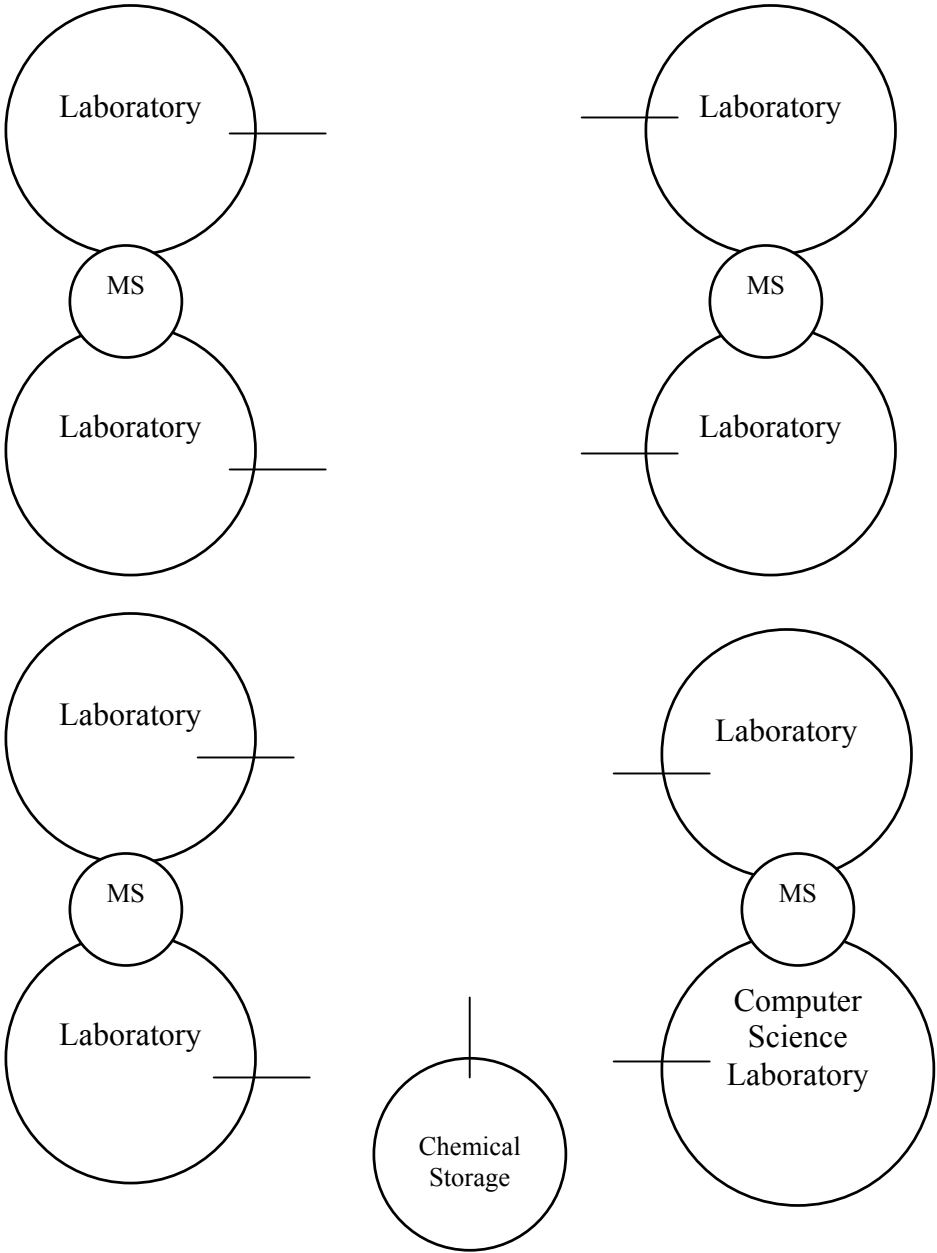
program furniture and equipment, provide gas and compressed air as required.

- N. **Safety** - As required to meet District Standards.
- O. **Fencing** – As required to meet District Standards.
- P. **Service Drives** – As required to meet District Standards.
- Q. **Parking** - As required to meet District Standards.
- R. **Built-ins**
 - 1. **Laboratory** – Provide and position counters on both side walls with lockable cabinets below and glass-fronted cabinets above. Leave at least 2' of space between counter and upper cabinets to accommodate computers and other equipment. Also provide computer hook-up (6), including phone modem and lock down capability. Bookcases, 30"H, adjustable shelves. Provide microscope cabinet to house microscope (60), and stereoscopic microscope (15), lockable. Provide bookcase with locking, hinged, glass doors and adjustable shelves, approximately, 84"H x 42"W x 16"D. Provide teacher demonstration table, 72", permanent with sink, electrical and data connections (additionally, gas and air hook-ups in the chemistry lab only); with above demonstration mirror. Provide computer counter to accommodate 6-8 computers and two (2) printers. The counter shall have grommets for wire management. Provide TV/Multimedia cabinet, approximately 48" in height with the TV monitor sitting on top of the cabinet. The TV/Multimedia cabinet shall include lockable doors with adjustable shelving for multimedia equipment. The TV/Multimedia cabinet shall also have grommets for wire management. The TV/Multimedia cabinet shall be located along or near the teaching wall
 - 2. **Material Storage** – Provide acid-resistant counter on two walls with double, deep sink (2) with residue traps, full service (gas, air, electricity, water); lockable drawers and open, adjustable shelf base cabinets. Provide wall cabinets, glass-front doors, lockable, with adjustable shelves on available wall space. Provide floor-to-ceiling, adjustable shelves, 12"D, on available wall space.
 - 3. **Chemical Storage** – Provide stone top counter, approximately, 10', with acid-resistant sink with residue traps, full service (gas, air, electricity, water); lockable drawers and open, adjustable shelf base cabinets. Provide 100 lineal feet, 14"D, chemical storage shelving, non-corrosive. Provide full-height, adjustable shelving on available wall space, with lip, non-corrosive.
 - 4. **Computer Lab** – refer to Computer Education/Skills Development Laboratory section of the educational specification.
- S. **Other Considerations**
 - 1. Provide grease traps, where necessary.
 - 2. Chemical storage to have outside wall in case of explosion.
 - 3. Student activities take place in the perimeter areas of the laboratory. Laboratory

- shall require adequate standing height work surface.
4. A dispensing area located in the laboratory shall be necessary to issue supplies and equipment.

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
SPATIAL RELATIONSHIPS

Science



MS = Material Storage
TP = Teacher Planning
PS = Project Storage
Not all spaces are shown

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
SOCIAL STUDIES

I. PROGRAM PHILOSOPHY

The high school social studies program is organized around, and focused on, personal and societal goals that help students become effective participants in the social world. Additionally, the program provides an understandable framework for integrating knowledge from history and the social science disciplines and for explicating the major knowledge, skills, values, and participation goals of social studies.

II. PROGRAM GOALS

The high school social studies program goals center around the preparation of students for more reflective and effective political participation in their society. The program goals would include the following:

- A. Socialization - aimed at helping the student become an effective member of social groups.
- B. Decision-making processes - aimed at helping students to make effective use of intellectual skills in reaching decisions about his/her social concerns.
- C. Citizenship - aimed at helping the students to use more effectively the processes of a representative-democratic government.
- D. Knowledge Acquisition - aimed at helping the student to acquire and utilize information and intellectual skills provided through social science curriculum.

In addition, the program will stress the assimilation of three important components of social studies - subject, learner and society.

III. PROGRAM ACTIVITIES

A. Curriculum

- 1. American Government
- 2. American History
- 3. Comparative Political Systems
- 4. Economics
- 5. Law Studies
- 6. Psychology
- 7. Sociology
- 8. World Geography
- 9. World History
- 10. Anthropology
- 11. African-American History
- 12. Advanced Placement Courses

B. Teacher Activities

1. Confer with individual students.
2. Consult with small groups on activities, discussions or projects.
3. Lead large or small discussion groups.
4. Plan bulletin boards and interest centers.
5. Recommend materials and equipment.
6. Plan with team of teachers for class and inter-level group activities.
7. Assist with assembly programs.
8. Sponsor enrichment programs.
9. Provide demonstrations.
10. Help to plan and lead field trips.
11. Lecture.
12. Interview resource people.
13. Provide techniques for teacher and student evaluation of learning.
14. Conduct teacher, parent, and pupil conferences.
15. Utilize computer lab activities

C. Student Activities

1. Think - Creative and critical thinking, problem solving, associations.
2. Speak - Speeches, explanations, dramatizations, demonstrations, simulations, class and panel discussions.
3. Read - Textbooks, reference books, reports, magazines, newspapers, fiction, trade books.
4. Write - Creative writing, reports, research papers, outlines, summaries, speeches, comparisons.
5. View - LCD projectors, pictures, T.V., maps, charts, globes
6. Inspect - Relief maps, roads maps, globes, artifacts, samples, pictures, charts, graphs.
7. Construct - Booklets, displays, posters, scrapbooks, graphs, bulletin boards, maps, charts, diagrams, time lines, pictures, replicas, dioramas, mobiles, murals.

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio 1:25

Grade Levels for Which Program is Intended 9 - 12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

- A. Areas may be used for night class and community school activities.

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- B. The architect shall study the shape of typical classrooms to provide for efficient operation and communication, utilizing marker board and wall-mounted illustrations. The spaces must also provide flexibility for large and small group instruction as well as the capability for individualization. Computerized lab activities will be incorporated into instructional program.

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.) -

- A. Teacher Planning and Material Storage shall be folded into the classroom to create a room of 900 NSF.
- B. Since Suncoast has International Baccalaureate and Math, Science & Engineering Magnet/Choice Programs, additional computer drops shall be added to the Classrooms.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	Social Studies					
3	Classrooms		756	2,268	25	75
3	Material Storage		90	270		
3	Teacher Planning		54	162		
	Total			2,700		75

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Classroom

No. of Items	Contractor Provided	District Provided (FF&E)	Description
25		X	Student desk combo
1		X	Teacher desk and chair
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Table, 30" x 72"
1		X	Bookcase
1		X	Lectern
1		X	Stool
1		X	Map/globe
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
1	X		Marker board, 4' x 16', with map rails and flag holder
2	X		Tack Board, 4' x 4'
1	X		6' x 8' Video Format Screen with black masking borders
6-8		X	Computers
2		X	Printers
1	X		Pencil sharpener with proper backing
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
	X		Built-ins (refer to special considerations)

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

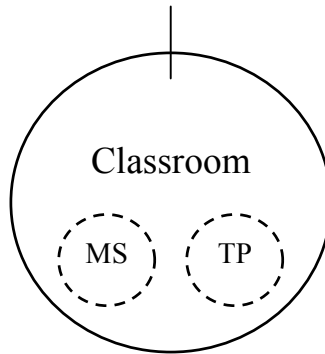
- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** - As required to meet District Standards.
- G. **Windows** – As required to meet District Standards.
- H. **Doors** - As required to meet District Standards.
- I. **Water/Plumbing Fixtures** - As required to meet District Standards.
- J. **Communications** - As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards.
- L. **Instruction Technology** - As required to meet District Standards.
- M. **Gas and Air** - As required to meet District Standards.
- N. **Safety** – As required to meet District Standards.
- O. **Fencing** – As required to meet District Standards.
- P. **Service Drives** – As required to meet District Standards.
- Q. **Built-ins**
 - 1. Provide base cabinet with lockable doors and adjustable shelves and upper cabinets with lockable doors and adjustable shelves.
 - 2. Provide built-in bookcase, 5’L x 15”D x 40”H with adjustable shelves.

3. Provide computer counter to accommodate 6-8 computers and two (2) printers. The counter shall have grommets for wire management.
4. Provide TV/Multimedia cabinet, approximately 48" in height with the TV monitor sitting on top of the cabinet. The TV/Multimedia cabinet shall include lockable doors with adjustable shelving for multimedia equipment. The TV/Multimedia cabinet shall also have grommets for wire management. The TV/Multimedia cabinet shall be located along or near the teaching wall

R. Other Considerations - N/A

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
SPATIAL RELATIONSHIPS

Social Studies



MS – Material Storage
TP – Teacher Planning

Not all spaces are shown

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD
TEACHER PLANNING

I. PROGRAM PHILOSOPHY

Refer to overall. (Page 1)

II. PROGRAM GOALS

The goal is to provide teachers and staff with a comfortable and restful environment in which to mentally and physically relax during non-duty periods.

III. PROGRAM ACTIVITIES

The teacher planning areas shall provide spaces for the social and emotional development of teachers and staff. It also provides the opportunity for small group meetings and planning.

IV. ORGANIZATIONAL NOMENCLATURE

During the course of the day staff members will use the facilities. The number of people, at any one time, will vary.

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES - N/A

VI. JUSTIFICATION FOR VARIANCE FROM SREF REQUIREMENTS

N/A

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	<u>Teacher Planning</u>					
	Teacher Planning			1,200		
	Total			1,200		

VIII. PROGRAM FURNITURE AND EQUIPMENT

No. of Items	Contractor Provided	District Provided (FF&E)	Description
		X	Vending machine(s)
1		X	Copier
		X	Computers
		X	Printers
1	X		Tack board, 4' x 6'
1	X		Clock, battery
1		X	Activity Table
	X		Built-ins (refer to special considerations)
1	X		Mirror & vanity in staff restroom

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** - As required to meet District Standards.
- G. **Windows** - As required to meet District Standards.
- H. **Doors** - As required to meet District Standards.
- I. **Plumbing Fixtures/Water** - As required to meet District Standards.
- J. **Communications** - As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards.
- L. **Instructional Technology** - As required to meet District Standards..
- M. **Gas and Air** - As required to meet District Standards.
- N. **Safety** - As required to meet District Standards.
- O. **Fencing** - As required to meet District Standards.
- P. **Service Drives** - As required to meet District Standards.
- Q. **Parking** - As required to meet District Standards.
- P. **Built-ins** -
 - 1. Provide mirror and shelf over sinks.
 - 2. Full-length mirror in restroom.

3. Provide teacher carrels with pedestal to accommodate ten (10) teachers with computer and printer. Provide lockable upper cabinets above teacher carrels. The teacher carrels shall have grommets for wire management.
4. Teacher Planning shall be located next to the Satellite Administrative Suites.

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SPATIAL RELATIONSHIPS
Teacher Planning

Refer to Administrative Satellite Suites for Spatial

RETAIL/FINANCE/BUSINESS EDUCATION - CAREER EDUCATION

I. PROGRAM PHILOSOPHY

Business Technology Education in Palm Beach County will prepare individuals for occupations in the following clusters:

- X Accounting Operations - Finance
- X Business Supervision and Management - Retail
- X Computer Technology – Information Technology
- X Office Support Services - Business

Emphasis will be placed on ethical conduct and effective communication skills which are needed to function as an effective employee and leader in the American business system. Upon reaching various Occupational Completion Points, a well-trained business education student will have gained the necessary skills to secure employment in the chosen field of study via internship or permanent placement.

PROGRAM DESCRIPTION

Business Technology Education is a group of planned, specialized instructional programs structured to prepare students to enter, to advance, and to refine prescribed competencies requisite for employment in a cluster of business occupations or in a specific occupation chosen as a career objective.

Future Business Leaders of America (FBLA) is the appropriate vocational student organization for providing leadership learning experiences and for reinforcing the skills that are taught in Business Technology Education.

II. PROGRAM GOALS

The overall goal of the Business Technology Education program is to focus on broad, transferable skills that stress understanding and demonstration of the following elements of the workplace: planning; management; finance; technical and production skills; underlying principles of technology; labor issues; community issues; and health, safety, and environmental issues. Cluster goals are as follows:

- A. **Accounting Cluster** - The goal of this cluster is to prepare students for employment as General Office Clerk, Accounting Clerk, and Bookkeeper. The accounting cluster is comprised of one program - Accounting Operations. This program offers a broad function of knowledge and skills expanding the traditional role of Bookkeeper. The content of the program includes double-entry accounting principles; methods of recording business transactions; preparation and analysis of various documents and financial statements; payroll records and tax forms; accounting control systems; account and transactions analysis; inventory methods; the aging process; depreciation; and the application of accounting principles to various entities.

- B. Business Supervision and Management Cluster** - The purpose of this cluster is to prepare students for employment as General Office Clerk, Supervisor/Manger Trainee, and Supervisor. Two programs make up this cluster - Business Supervision and Management and the Academy of International Business.

The content of the Business Supervision and Management program includes communication skills, forms of business ownership and organizational structures, supervisory/management functions and skills, business law concepts, leadership skills, business ethics, cultural diversity, insurance awareness, governmental regulations, human resources management issues, and career development.

The content of the Academy of International Business program includes the concept of a global economy with attention given to economic, cultural, and political factors affecting international business. Also, the study of organizational structures, business management, entrepreneurship, human relations, cross-cultural communications, leadership, marketing, legal agreements, trade relations, banking and finance, and international economics will be addressed.

- C. Computer/Information Technology Cluster** - The purpose of this cluster is to prepare students for employment as General Office Clerk, Computer Programming Aide, Junior Programmer, Network Support Help Desk Technician, Software Support Help Desk Technician, Network Support Specialist, PC Support Specialist, Network Administrator, Computer Graphics Designer, Associate Web Designer, Multimedia Designer, Web Designer, and Web Master. The Computer Technology cluster is made of five programs - Business Computer Programming, Network Support Services, PC Support Services, Digital Publishing, and Web/Internet/Intranet Services.

Business Computer Programming offers a broad foundation of knowledge and skills expanding the traditional role of the Junior Programmer. The content includes converting problems into detailed plans; writing code into computer language; testing, monitoring, debugging, documenting, and maintaining computer programs; and designing programs for specific uses and machines.

Network Support Services offers a broad foundation of knowledge and skills to prepare students for employment in network support services positions. The content of the program includes instruction in computer literacy; software application support; basic hardware configuration and troubleshooting; networking technologies, troubleshooting, security, and administration; and customer service and human relations skills.

PC Support Services offers a broad foundation of knowledge and skills to prepare students for employment in PC support services positions. The content includes software applications and operating systems including the use of advanced software/system features and programs; electronic communication vis the Internet; Web page components; computer networking and network administration; the interrelationships among major components of networks; hardware and software selection and installation; integration techniques to enhance projects; and preventative hardware maintenance.

Digital Publishing offers a broad foundation of knowledge and skills to prepare students for employment in digital publishing positions. The content includes enhance practical experiences in computer generated art and text, graphic design, graphic production electronic design skill preparation of electronic layouts and illustrations, and electronic scanning; and development of specialized skills in multimedia presentations to include producing compact disks featuring a company's advertising and/or communication.

Web/Internet/Intranet Services offers a broad foundation of knowledge and skills to prepare students for employment in Web/Internet/Intranet services positions. The content includes Operating System commands and Web document development, design, scripting, programming, networking, and management.

- D. Office Support Services** - The purpose of this cluster is to prepare students for employment as General Office Clerk, Customer Care Representative, Customer Care Specialist, Administrative Assistant, Secretary, Legal Secretary, and Medical Secretary. The Office Support Services cluster is made up of five programs - Customer Assistance, Administrative Assistant, Court Reporting, Legal Secretary, and Medical Secretary.

The Customer Assistance program offers a broad foundation of knowledge and skills to prepare students for employment in positions in customer care service positions. The content includes the development of interpersonal communications, conflict resolution, leadership, decision making, problem solving, supervisory, and employability skills; diversity awareness; telephone techniques; and technical applications in customer care environment.

The Administrative Assistant program offers a broad foundation of knowledge and skills expanding the traditional role of the Administrative Assistant. The content includes the use of technology to develop communications skills, higher level thinking skills, and decision making skills; the performance of office procedures tasks; the production of quality work in a efficient manner using advanced features of business software applications; research of job opportunities; and the production of high quality employment portfolios and job-seeking documents.

Although Court Reporting is a part of the Office Support Service cluster, at the present time, it is only being offered on the post-secondary level.

The content of the Legal Secretary program includes the use of technology to develop communications skills, higher level thinking skills, and decision making skills; legal terminology; the performance of office procedures specific to the legal environment; transcription of legal documents from machine dictation; the production of quality work in an efficient manner using advanced features of business software applications, research of job opportunities; and the production of high quality employments portfolios and job-seeking documents.

The content of the Medical Secretary program includes the use of technology to develop communications skills, higher level thinking skills, and decision making skills; medical terminology; the performance of office procedures specific to the

medical environment; transcription of medical documents from machine dictation; the production of quality work in an efficient manner using advanced features of business software applications, research of job opportunities; and the production of high quality employment portfolios and job-seeking documents.

III. PROGRAM ACTIVITIES

All students in the business education area are in grades nine through twelve, including special needs students. Instruction and learning activities will be provided in a laboratory setting that is reflective of a typical business environment. This is an overview of each cluster and is **not** inclusive of all activities that are required for successful completion of a cluster.

- A. **Accounting Cluster** - Performance of the following activities is included in this area: touch keyboarding; use of spreadsheet and accounting software; communicating via listening, speaking, writing, electronic, and nonverbal methods; discussion of workplace issues such as appropriate grooming, human relations, and time management; mathematical computation and financial assessment with and without machines as it relates to bookkeeping/accounting; and analyzing personal strengths and weaknesses as they relate to career exploration and personal development. In addition, the student will develop the following skills: filing and record management, scheduling, reprographics, and mail handling. Furthermore, the student will participate in work-based learning experiences.
- B. **Business Supervision and Management Cluster** - Performance of the following activities is included in this area: touch keyboarding; use of information systems to enhance workplace performance; communicating via listening, speaking, writing, electronic, and nonverbal methods; use of technology to enhance the effectiveness of communications; use of information to set priorities and complete tasks; analyze current and emerging workplace trends and issues to determine impact on the workplace; develop awareness of management functions and organizational structures; practice quality performance; incorporate appropriate leadership and supervision techniques, customer service strategies, and standards of ethics to accomplish job objectives; mathematical computation and financial assessment with and without machines; justify the need to gain and maintain competitive advantage; perform human relations activities; analyze the impact and relationship of government regulations and community involvement; and analyzing personal strengths and weakness as they relate to career exploration and personal development. In addition, the student will develop the following skills: filing and record management, scheduling, reprographics, and mail handling. Furthermore, the student will participate in work-based learning experiences.
- C. **Computer Technology Cluster** - Performance of the following activities included in this area: touch keyboarding; communicating via listening, speaking, writing, electronic, and nonverbal methods; use of technology to enhance the effectiveness of communications; use of information to set priorities and complete tasks; perform end user support and assistance by troubleshooting and diagnosing through telephone, e-mail, remote access, or direct contact; perform installation and configuration activities; use of computer networks, system software, and application software proficiently; perform digital publishing operations, digital imaging, programming tasks, and HTML

programming proficiently; mathematical computation and financial assessment with and without machines; and analyzing personal strengths and weakness as they relate to career exploration and personal development. In addition, the student will develop the following skills: filing and record management, scheduling, reprographics, and mail handling. Furthermore, the student will participate in work-based learning experiences.

- D. Office Support Services** - touch keyboarding; use of information systems to enhance workplace performance; communicating via listening, speaking, writing, electronic, and nonverbal methods; use of technology to enhance the effectiveness of communications; use of information to set priorities and complete tasks; analyze current and emerging workplace trends and issues to determine impact on the workplace; develop awareness of management functions and organizational structures; practice quality performance; incorporate appropriate leadership and supervision techniques, customer service strategies, and standards of ethics to accomplish job objectives; mathematical computation and financial assessment with and without machines; gain knowledge of medical and legal terminology; develop telephone skills and techniques; perform relevant research on the Internet; and analyzing personal strengths and weakness as they relate to career exploration and personal development. In addition, the student will develop the following skills: filing and record management, scheduling, reprographics, and mail handling. Furthermore, the student will participate in work-based learning experiences.

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio 1:20

Grade Levels for Which Program is Intended 9 - 12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

- A. Every business, international and domestic, is dependent upon computers for completing day-to-day activities. If business technology education is to successfully prepare students to enter the workforce at one point in time, it is absolutely necessary that each lab be equipped with a minimum of 38 multi-media computers and peripherals such as laser printers, scanners, plotters, projection panels, digital to analog convertors for the television/computer connection, 30 inch monitor, and laser disc players.
- B. All clusters will employ the cooperative method of instruction.
- C. Every business technology education department should have a server that will necessitate the networking of the business technology education labs. This will allow facilitators to maintain control over student workstations, deliver instructions and assist individual students remotely, as well as perform assessments in a non-traditional manner. If desired by the school site, this network should have a pass through to the main server so that the media center and the school wide e-mail can be accessed by students. This pass through will also allow facilitators to gain access to teacher tools that are on the main server.
- D. Every business technology education lab should be wired to support a lab of 38 multi-media computers. The appropriate wiring consists of CAT (latest version) data

cabling, electrical outlets, and electronics. This will allow for easy access to the Internet.

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

- A. Business Cooperative Education (BCE) office shall be housed in project storage and is needed for the coordinator of the On-the-Job Training Program.

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	<u>Retail/Finance/Business Education</u>					
3	Business Laboratory		1,460	4,380	20	60
3	Material Storage		155	465		
3	Project Storage		<u>150</u>	<u>450</u>		
	TOTAL		1,765	5,295		

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Office Support Services Laboratory/Administrative Assistant

No. of Items	Contractor Provided	District Provided (FF&E)	Description
20		X	Student Tables, 30"D x 48"W x 27"H, with CPU Tower Holder and wire management
25		X	Student Chair, pneumatic lift, tilt, caster base, armless
1		X	Teacher desk, 60° Arc Stations (3) with riser shelves (2), drawer pedestal (2), pull-out keyboard and CPU holder
1		X	Teacher chair with executive chair back 20"W x 19"D, tilt with lock, pneumatic lift, arms, and five-star wide base with hooded casters
1		X	Side chair for teacher desk, no casters
20		X	Multi-media computer workstation with wire management to include the latest computer equipment
1		X	Multi-media computer workstation with wire management to include the latest computer equipment for teacher
20-30		X	Computers
1		X	Various software
20			Transcribing machine, foot pedal, mini-plug headphones, cassette
1		X	Dictating/transcribing machine, foot pedal, mini-plug headphones, cassette, microphone
2		X	Inkjet Color Printer
3		X	Laser printer
1		X	Scanner, color, full page, table top, with OCR editing software, cable
4		X	Mobile printer stands
1		X	Computer Projection devices
1		X	Color monitor/receiver -- 30" color video

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
			monitor/receiver with TV/VCR remote, cable and stand
1		X	Video Cassette Recorder
1		X	Laser Disc Player/DVD
20		X	Financial calculator with memory, both display and print
2		X	Vertical File, four drawer, legal, lateral, with lock
1		X	Table, 72" x 30", laminated top, adjustable
1		X	Paper cutter, small
2		X	Stapler electric
1		X	3-hole Puncher, electric
1		X	Pencil sharpener, electric
1		X	Lectern with shelf, 23" x 12 1/2" x 44"
1		X	Magazine Rack, 42" x 18" x 60"
1		X	Multi-media cabinets with 6" deep drawers
1		X	Paper shredder
1	X		6' x 8' Video Format Screen with black masking borders
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
2	X		Marker board, 4' x 16', with map rail and flag holder
2	X		Tack Board, 4' x 4'
1	X		Pencil sharpener with proper backing
2	X		Hanging fixtures for charts in front of room
1	X		Security mirror
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

B. Computer Technology Laboratory/Digital Design

No. of Items	Contractor Provided	District Provided (FF&E)	Description
20		X	Student Tables, 30"D x 48"W x 27"H, with CPU Tower Holder and wire management
25		X	Student Chair, pneumatic lift, tilt, caster base, armless
1		X	Teacher desk, 60° Arc Stations (3) with riser shelves (2), drawer pedestal (2), pull-out keyboard and CPU holder
1		X	Teacher chair with executive chair back 20"W x 19"D, tilt with lock, pneumatic lift, arms, and five-star wide base with hooded casters
1		X	Side chair for teacher desk, no casters
20		X	Multi-media computer workstation with wire management to include the latest computer equipment
1		X	Multi-media computer workstation with wire management to include the latest computer equipment for teacher
20-30		X	Computers
1		X	Various software
1		X	Compact disk recorder
2		X	Inkjet Color Printer
3		X	Laser printer
1		X	Scanner, color, full page, table top, with OCR editing software, cable
4		X	Mobile printer stands

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Computer Projection devices
1		X	Color monitor/receiver -- 30" color video monitor/receiver with TV/VCR remote, cable and stand
1		X	Video Cassette Recorder
1		X	Laser Disc Player/DVD
2		X	Digital camera
2		X	Vertical File, four drawer, legal, lateral, with lock
4		X	Table, 72" x 30", laminated top, adjustable
1		X	Paper cutter, small
2		X	Stapler electric
1		X	3-hole Puncher, electric
1		X	Pencil sharpener, electric
1		X	Lectern with shelf, 23" x 12 1/2" x 44"
1		X	Magazine Rack, 42" x 18" x 60"
1		X	Multi-media cabinets with 6" deep drawers
1		X	Paper shredder
4-6		X	Worktables
1	X		6' x 8' Video Format Screen with black masking borders
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
2	X		Marker board, 4' x 16', with map rail and flag holder
2	X		Tack Board, 4' x 4'
1	X		Pencil sharpener with proper backing
2	X		Hanging fixtures for charts in front of room
1	X		Security mirror
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

C. Accounting Operations/Business Supervision & Management Laboratory

No. of Items	Contractor Provided	District Provided (FF&E)	Description
20		X	Student Tables, 30"D x 48"W x 27"H, with CPU Tower Holder and wire management
25		X	Student Chair, pneumatic lift, tilt, caster base, armless
1		X	Teacher desk, 60° Arc Stations (3) with riser shelves (2), drawer pedestal (2), pull-out keyboard and CPU holder
1		X	Teacher chair with executive chair back 20"W x 19"D, tilt with lock, pneumatic lift, arms, and five-star wide base with hooded casters
1		X	Side chair for teacher desk, no casters
25		X	Multi-media computer workstation with wire management to include the latest computer equipment
1		X	Multi-media computer workstation with wire management to include the latest computer equipment for teacher
20-30		X	Computers
1		X	Network File Server
1		X	Various software
1		X	Compact disk recorder
2		X	Inkjet Color Printer

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
3		X	Laser printer
1		X	Scanner, color, full page, table top, with OCR editing software, cable
4		X	Mobile printer stands
1		X	Computer Projection devices
1		X	Color monitor/receiver -- 30" color video monitor/receiver with TV/VCR remote, cable and stand
1		X	Video Cassette Recorder
1		X	Laser Disc Player/DVD
20		X	Financial calculator with memory, both display and print
2		X	Vertical File, four drawer, legal, lateral, with lock
4		X	Table, 72" x 30", laminated top, adjustable
1		X	Paper cutter, small
2		X	Stapler electric
1		X	3-hole Puncher, electric
1		X	Pencil sharpener, electric
1		X	Lectern with shelf, 23" x 12 1/2" x 44"
1		X	Magazine Rack, 42" x 18" x 60"
1		X	Multi-media cabinets with 6" deep drawers
1		X	Paper shredder
1	X		6' x 8' Video Format Screen with black masking borders
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
2	X		Marker board, 4' x 16', with map rail and flag holder
2	X		Tack Board, 4' x 4'
1	X		Pencil sharpener with proper backing
2	X		Hanging fixtures for charts in front of room
1	X		Security mirror
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

D. Project Storage/Business Cooperative Education Office

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Teacher desk, 60° Arc Stations (3) with riser shelves (2), drawer pedestal (2), pull-out keyboard and CPU holder
1		X	Teacher chair with executive chair back 20"W x 19"D, tilt with lock, pneumatic lift, arms, and five-star wide base with hooded casters
1		X	Side chair for teacher desk, no casters
1		X	Multi-media computer workstation with wire management to include the latest computer equipment for teacher
1		X	Various software
1		X	Inkjet Color Printer
1		X	Laser printer
1		X	Scanner, color, full page, table top, with OCR editing software, cable
1		X	Financial calculator with memory, both display and print
2		X	Vertical File, four drawer, legal, lateral, with lock

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Paper cutter, small
2		X	Stapler electric
1		X	3-hole Puncher, electric
1		X	Pencil sharpener, electric
1		X	Lectern with shelf, 23" x 12 ½" x 44"
1		X	Magazine Rack, 42" x 18" x 60"
1		X	Multi-media cabinets with 6" deep drawers
1		X	Paper shredder
1		X	Desktop copier
1	X		6' x 8' Video Format Screen with black masking borders
1	X		Marker board, 4' x 8', with map rail and flag holder
1	X		Tack Board, 4' x 4'
1	X		Pencil sharpener with proper backing
1	X		Clock, battery
	X		Built-ins (refer to special considerations)

Consult with SDPBC Program Management (Construction Liaison at-large) for additional Furniture, Fixtures and Equipment.

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

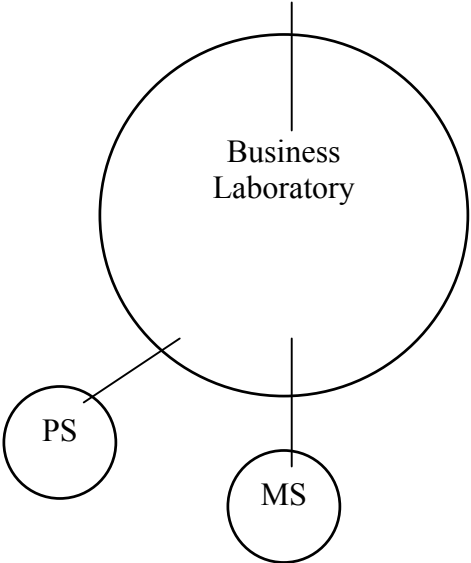
Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** - As required to meet District Standards.
- G. **Windows** - As required to meet District Standards. All business-related areas shall face to the interior of the campus or be on the second floor to reduce risk of theft. Window panes shall be narrow enough to prevent entry and shall be tinted and equipped with closable, dark shades so that reflection on computer screens may be controlled. Provide observation window between BCE office and laboratory.
- H. **Doors** – As required to meet District Standards.
- I. **Water/Plumbing Fixtures** – As required to meet District Standards.
- J. **Communications** – As required to meet District Standards. Provide phone jack in BCE Office.

- K. Electrical** - As required to meet District Standards. Maximum utilization of walls for duplex outlets, but no less than three duplex outlets on each wall, and ceiling wiring (location to be determined later) in all instructional areas. Must be equipped with a master toggle switch (with red light power indicator) to control current into the adjacent classroom.
- L. Instructional Technology** - As required to meet District Standards.
- M. Gas and Air** - As required to meet District Standards.
- N. Safety** - As required to meet District Standards. Security mirrors for student observation shall be installed in every lab.
- O. Fencing** - As required to meet District Standards.
- P. Service Drives** - As required to meet District Standards.
- Q. Parking** - As required to meet District Standards. It is desirable that the business education area be located in close proximity to student parking because of its heavy population in evening and community programs.
- R. Built-ins**
1. Provide base cabinet with doors, lockable and adjustable shelves, 34"H, and upper cabinets with doors, lockable and adjustable shelves.
 2. Provide built-in bookcase, 5'L x 15"D x 40"H with adjustable shelves.
 3. Provide TV/Multimedia cabinet, approximately 48" in height with the TV monitor sitting on top of the cabinet. The TV/Multimedia cabinet shall include lockable doors with adjustable shelving for multimedia equipment. The TV/Multimedia cabinet shall also have grommets for wire management. The TV/Multimedia cabinet shall be located along or near the teaching wall
- S. Other Considerations** - The business technology education areas shall be located near all other vocational areas.

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SPATIAL RELATIONSHIPS

Retail/Finance/Business Education



MS = Material Storage
PS = Project Storage (1 PS in cluster shall be used as BCE office)
Not all spaces are shown

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TECHNOLOGY EDUCATION – CAREER EDUCATION

I PROGRAM PHILOSOPHY

Technology Education is a comprehensive action-based educational program concerned with technical means, their evolution, utilization, and significance; with industry, its organization, personnel, systems, techniques, resources, and products; and their social/cultural impact.

II. PROGRAM GOALS

The program is designed to provide students with an in-depth foundation for career preparation at the secondary or post-secondary levels. Students will gain skills leading to consumer awareness and personal enrichment as well as occupational readiness.

III. PROGRAM ACTIVITIES

A. General Activities (applicable to all laboratories)

1. Applying problem solving techniques
2. Applying tools, materials, processes, and technical concepts safely and efficiently
3. Designing and developing
4. Applying other school subjects
5. Dealing with forces that influence the future
6. Experimenting in the laboratory
7. Becoming a wiser consumer
8. Making informed career choices

B. Specific Activities

1. Drafting/Illustrative Design Technology Laboratory

- a. Operating a computer utilizing a CAD program
- b. Making computer assisted drawings (CAD)
- c. Making orthographic, pictorial, auxiliary view, and sectional view drawings
- d. Making engineering and architectural drawings

2. Communications Technology Laboratory

- a. Operating a computer utilizing a desktop publishing program
- b. Producing printed copies
- c. Using the screen printing process
- d. Using continuous tone photography
- e. Using binding and finishing processes
- f. Using enlargers
- g. Developing prints
- h. Using video camera equipment
- i. Using video editing equipment
- j. Using audio editing equipment

3. Engineering Technology Laboratory

- a. Demonstrating and applying fluid system principles
- b. Demonstrating and applying thermal system principles
- c. Demonstrating and applying electrical system principles
- d. Demonstrating and applying mechanical system principles
- e. Communicating through oral, written, or graphical means the results of solutions of designs
- f. Demonstrating graphical literacy and use of graphical representation in analysis and design
- g. Demonstrating engineering analysis and design methods
- h. Using tools, machines, calculators, and computers necessary for obtaining solutions to design problems
- i. Conducting research and experimentation and/or designing a project on engineering technology

4. Production Technology Laboratory

- a. Performing processing skills on industrial materials and composites
- b. Producing custom products from industrial materials and composites using preprocessing, processing, and postprocessing production technology skills
- c. Planning and participating in a mass production system for manufacturing a product
- d. Performing technological processes of separating and forming materials
- e. Utilizing modern production technology in the processes of separating, forming, combining, fabrication and finishing of materials (CAM, CNC, Robotics, and Work Cells)
- f. Conducting research and experimentation projects on a production technology system
- g. Demonstrating technological knowledge and skills in the designing and engineering of constructed works
- h. Demonstrating technical knowledge and skills in the contracting, estimating, bidding, and scheduling procedures processes

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student ratio: 1:24

Grade levels for which program is intended: 9-12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USE

Titles of the laboratories have changed to comply with the revised educational program.

VI. JUSTIFICATION FOR VARIANCE FROM STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (S.R.E.F.)

N/A

VII. PROGRAM FACILITIES LIST

Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
			Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Per Unit	Stu. Sta. Total
	<u>Technology</u>					
2	Drafting & Design		2,280	2,280	24	48
2	Technology Resource		800	1,600		
2	Material Storage		395	790		
	Subtotal		3,475	6,950		
2	Communication		3,240	6,480	24	48
2	Technology Resource		800	1,600		
2	Material Storage		90	180		
2	Material Storage		395	790		
2	Project Storage		310	620		
2	Tool Storage		310	620		
	Subtotal		5,145	10,290		
2	Engineering		3,240	6,480	24	48
2	Technology Resource		800	1,600		
2	Material Storage		90	180		
2	Material Storage		395	790		
2	Project Storage		310	620		
2	Tool Storage		310	620		
	Subtotal		5,145	10,290		
	TOTAL			27,530		144

I. PROGRAM FURNITURE AND EQUIPMENT

A. Drafting and Design Technology Laboratory

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Teacher chair, pneumatic lift, non-tilt, caster base, armless
1		X	Drafting table, teacher's, 48"W x 37"D x 37"H, solid maple legs, full tilting top, tool drawer with lock, shallow print drawer, with dust cover
1		X	Parallel straightedge, 48," mobile, with mounting hardware and instructions
1		X	Teacher drafting stool, pneumatic lift, non-tilt, caster base, armless
1		X	Filing cabinet, 18"W x 26"D, two-drawer, legal, lockable
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Magazine rack, 42"W x 18"D x 60"H, steel, eight shelves
24		X	Computer Aided Drafting (CAD) Table, 30" x 48, with built in wire troughs
24			Student chair, pneumatic lift, non-tilt, caster base, armless
24		X	Computer for CAD
24		X	Power-switching system, with surge suppression, 115V
		X	Various software
1		X	White printer, 55"W x 36"D, non-ammonia type, with

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
			paper storage stand and cabinet, 115V, 9A
1		X	Printer
1		X	Plotter, 36"W x 12"D x 38"H, inkjet, with stand, network card, 16 MB RAM, and plotter cable, must be able to serve as a stand along plot station, paper sizes A, B, C, D, 115V, 1A
1		X	Copier, with stand, 115V, 12A
2		X	Television, 27" color, with cart, 115V, 2A
1		X	VCR, 4-head, 115V, .5A
1		X	Video encoder to connect a computer's video card to a VCR and TV
3		X	Steel workbenches, 36" x 72"
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
2	X		Marker board, 4' x 16', with map rail and flag holder
2	X		Tack Board, 4' x 4'
1	X		6' x 8' Video Format Screen with black masking borders
1	X		Pencil sharpener with proper backing
5	X		Reels from ceiling for air and electric on side
1		X	Air compressor, portable
	X		Fire extinguishers, per code
1	X		Fire blanket, wall-mounted
1	X		First Aid kit, wall mounted
1	X		Provide stainless steel sink, 18"D x 24"W, with hot and cold water
1	X		Electric water cooler.
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

B. Communication Technology Laboratory

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Teacher desk
1		X	Teacher's chair, pneumatic lift, non-tilt, caster base, armless
1		X	Teacher Drafting table, 48"W x 37"D x 37"H, solid maple legs, full tilting top, tool drawer with lock, shallow sprint drawer, with dust cover
1		X	Teacher drafting stool, pneumatic lift, non-tilt, caster base, armless
1		X	Parallel straightedge, 48," mobile, with mounting hardware and instructions
3		X	Quad-type work station, eight students each
14		X	Computers
14		X	Power-switching system, with surge suppression, 115V
2		X	Printers, laser and ink jet
2		X	Scanner
		X	Various computer software
1		X	Digital video production and editing package, includes

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
			computer, S-VHS camcorder (2); super VHS video cassette recorder, monitor (2), and power switching, 115V, 3.5A
1		X	Video digitizer, 24 - bit video frame grabber, with software
24			Student chair
24		X	Student chair, pneumatic lift, non-tilt, caster base, armless, for workstations
2		X	File cabinet, four drawer, legal, lateral, lockable
1		X	Filing cabinet, 18"W x 26"D, two-drawer, legal, lockable
5	X		Reels from ceiling for air and electric on side
1		X	Air compressor, portable
1		X	Light table, 42" x 62" top, floor model, 115V, 1A
4		X	Pedestal stool pneumatic lift, non-tilt, caster base, armless, for light table seating
1		X	Magazine rack, 42"W x 18"D x 60"H, steel, eight shelves
1		X	Paper drill, counter top model, 18" x 18," 115V, 5.5A
1		X	Paper jogger, counter top model, 20"W x 14"D, 115V, 2A
1		X	Duplicator, high speed, production, digital input, network ready, four color, 11" x 17" stock, single phase, 115V, 5A
1		X	Paper cutter, 25" electric, including stand, 40"W x 50", 2 HP three-phase motor, 230V, 11A
1		X	Stapler, counter top model, heavy duty, electric, with saddle and flat attachments, 115V, 1A
1		X	Paper folder, 40"W x 18"D, counter top model, with slitting, scoring, and perforating capabilities, 115V, 3.6A
1		X	Collator, 12-page, 22"W x 15"D x 15"H, counter top model, 115V, 3A
1		X	Drying rack, 36"W x 26"D, 50 shelves
1		X	Wax coater, counter top model, 12" roller, 115V, 6.5A
1		X	Silk screen printer, 96" diameter, carousel type, four color, work station (4), child and adult size shirt boards, stand, with sleeve, cap, and jacket printing attachments
1		X	Dryer, 72"L x 26"W x 59"H, textile, with legs, 20"W belt, infrared/convection heat, 6" diameter power exhaust, 230V, 15A
1		X	Laminating press, counter top model, with supplies, 18" x 23" platen, 115V, 11.3A
2		X	Television, 27" color, with cart, 115V, 2A
1		X	VCR, four - head, 115V, .5A
1		X	Video encoder, to connect a computer's video card to a VCR and TV
2	X		Marker Board, 4' x 16' with map rail and flag holder
3		X	Work bench, 72"W x 28"D x 34"H, steel, with shelf and stringer
2	X		Tack Board, 4' x 4'
1	X		6' x 8' Video Format Screen with black masking borders
1	X		Pencil sharpener with proper backing
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
1	X		Single sink with goose neck faucet (HW/CW)
	X		Fire extinguishers, per code
1	X		Fire blanket, wall-mounted

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		First Aid kit, wall mounted
1	X		Large stainless steel sink, with hot and cold water, approximately 24"D x 36"W x 12", for cleaning screen printing screens. Provide for a lot of splashed water
1	X		Provide stainless steel sink, 18"D x 24"W, with hot and cold water
1	X		Electric water cooler.
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

C. Engineering Technology Laboratory

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Teacher chair, pneumatic lift, non-tilt, caster base, armless
1		X	Drafting table, teacher's, 48"W x 37"D x 37"H, solid maple legs, full tilting top, tool drawer with lock, shallow print drawer, with dust cover
1		X	Parallel straightedge, 48," mobile, with mounting hardware and instructions
1		X	Teacher drafting stool, pneumatic lift, non-tilt, caster base, armless
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Filing cabinet, 18"W x 26"D, two-drawer, legal, lockable
1		X	Magazine rack, 42"W x 18"D x 60"H, steel, eight shelves
3		X	Work station, 15' x 15', quad type, eight students, each
24		X	Student chair, pneumatic lift, non-tilt, caster base, armless, for work stations
1		X	Hand tools, assorted, including basic woodworking and mechanical tools
1	X		Tool storage cabinet, 62"W x 22"D x 84"H, general shop, without tools, constructed of hard maple framing with hardwood plywood panels, with master keyed locks
1	X		Cabinet, 72"W x 30"D x 34"H, sliding door, steel base with double sliding doors, one adjustable shelf, cylinder lock 2" maple top
2		X	Work bench, 64"W x 28"D x 2"H, two-station, base consists of one heavy gauge steel unit, with double swinging doors and cylinder lock, top is constructed from hard rock maple, with one wood-working vise
2	X		Cabinet, 60"W x 30"D x 34"H, sliding door, steel base with double sliding doors, one adjustable shelf, cylinder lock, 2" maple top
1	X		Tool storage cabinet, 60"W x 22"D x 84"H, for portable power tools and robot arms, two sections, each with five adjustable shelves, constructed of hard maple framing and hardwood plywood panels, with master keyed locks

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
18		X	Computer
11		X	Power-switching system, with surge suppression, 115V
1		X	Printer, Laser
5	X		Reels from ceiling for air and electric on side
1		X	Air compressor, portable
1		X	Robotic arm, advanced robotic arm with teach through nose software, including: curriculum and instructional packages, Vision System, linear conveyer, rotary table, linear slide base, two experimenter tables, end effector package, D.C. servo motor kit, gravity feeder, infra-red sensor, integration manual, and bar stock gripper adapter
1		X	Computer Numerical Controlled (CNC) metal lathe, bench-top model, lathe machinist kit, air chuck robotic interface, pneumatic lathe shield opener, CAD/CAM software, 200-2000 RPM, □HP single phase motor, 115V, 12A
1		X	Mobile service bench, for CNC metal lathe, 5□" casters, 42"W x 24"D x 28"H
1		X	Computer Numerical Controlled (CNC) milling machine, 24"W x 22"D bench-top model, with Lexan safety shield, air vise robotic interface, milling machinist kit, quick-change tooling, CAD/CAM software and documentation, 1HP DC motor, 115V, 15A
1		X	Mobile Computer Integrated Manufacturing (CIM) bench (2), 36" x 72", steel, with controller mounting modules Type 1 and 2, keyboard/monitor mounting module, utilities distribution module, electrical power module, compressed air distribution module, quick release connector, and monitor multiplexer
1		X	Band saw, 8", bench-top mounted, with miter gauge, 1/5 HP single phase motor, 115V, 2.5A
1		X	Scroll saw, 20", bench-top mounted, tilting table, multi-speed, with blades and accessories, single phase motor, 115V, 2A
1		X	Drill press, 14", bench-top model, five spindle speeds, □" chuck, 11"W x 25"D, □ HP single phase motor, 115V, 10A
1		X	Combination belt/disc sander, 1" belt/8" disc, bench-top model, with miter gauge, 15"W x 24"D, □ HP single phase motor, 115V, 10A
1		X	Tool grinder, 6," bench-top model, with two-piece tool rests, exhaust-type guards, two wheels 6" x □" x □" (one, 36 - grit and one, 60 - grit), □ HP single phase motor, 115/230V, 10/5A
1		X	Utility vise, 5" jaw width, 5-□" opening, with replaceable serrated steel jaws, built-in steel pipe jaws, swivel base
3		X	Vacuum cleaner, 28 - gallon, with 6' x 2-□" hose, extension wands and nozzle, 115V, 10A
1		X	Drill, variable speed, reversing, □" chuck, 115V, 4A
2		X	Bench, steel, open base, 72"W x 30"D
1	X		Safety glasses cabinet, with glasses
2		X	Television, 27" color, with cart, 115V, 2A

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	VCR, four - head, 115V, .5A
1		X	Video encoder, to connect a computer's video card to a VCR and TV
1		X	Structural technology module, with structural tester (counter top model), videos, projects, software and manuals
1		X	Electricity and electronics module, with trainer, tools, meters, leads and curriculum, 115V, 1A
1		X	Hydraulics module, with lockable steel case, counter top, components, video, instructor notes and curriculum
1		X	Pneumatics module, with lockable steel case, counter top, components, video, instructor notes and curriculum
1		X	Mechanisms module, with lockable steel case, counter top, components, video, instructor notes and curriculum
1		X	Oily waste can, six gallon
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
2	X		Marker board, 4' x 16', with map rail and flag holder
2	X		Tack Board, 4' x 4'
1	X		6' x 8' Video Format Screen with black masking borders
1	X		Pencil sharpener with proper backing
	X		Fire extinguishers, per code
1	X		Fire blanket, wall-mounted
1	X		First Aid kit, wall mounted
1	X		Provide stainless steel sink, 18"D x 24"W, with hot and cold water
1	X		Electric water cooler.
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

D. Production Technology Laboratory (can be substitute for)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Teacher chair, pneumatic lift, non-tilt, caster base, armless
1		X	Drafting table, teacher's, 48"W x 37"D x 37"H, solid maple legs, full tilting top, tool drawer with lock, shallow print drawer, with dust cover
1		X	Parallel straightedge, 48," mobile, with mounting hardware and instructions
1		X	Teacher drafting stool, pneumatic lift, non-tilt, caster base, armless
1		X	Filing cabinet, 18"W x 26"D, two-drawer, legal, lockable
1		X	File cabinet, four-drawer, legal, lateral, lockable
4		X	Computer
1		X	Magazine rack, 42"W x 18"D x 60"H, steel, eight shelves
3		X	Work station, 15' x 15', quad type, eight students each
24		X	Student chair, pneumatic lift, non-tilt, caster base,

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
			armless, for work stations
6	X		Cabinet, 72"W x 30"D x 34"H, sliding door, steel base with double sliding doors, one adjustable shelf, cylinder lock, 2" maple top
5	X		Reels from ceiling for air and electric on side
1		X	Air compressor, portable
2		X	Workbench, 64"W x 54"D x 2"H, four-station, base consists of heavy gauge steel unit (2), each with sliding double doors and cylinder locks; top is constructed from hard rock maple, with four woodworking vises
1	X		Tool storage cabinet, 62"W x 22"D x 84"H, general shop, with tools, constructed of hard maple framing with hardwood plywood panels, with master keyed locks
1	X		Tool storage cabinet, 60"W x 22"D x 84"H, for portable power tools, two sections, each with five adjustable shelves, constructed of hard maple framing and hardwood plywood panels, with master keyed locks
1		X	Band saw, 14", 25"W x 18"D, with enclosed stand, miter gauge and rip fence, wheel and blade guards, arbor and motor pulleys, V-belt, blade guides, wood cutting blade, magnetic control switch, 1 HP single phase motor, 230V, 7A
1		X	Band saw, 8," bench top mounted, with miter gauge, 1/5 HP single phase motor, 115V, 2.5A
2		X	Scroll saw, 20," bench-top mounted, tilting table, multi-speed, with blades and accessories, single phase motor, 115V, 2A
1		X	Power miter box saw, 10," compound cut, bench-top mounted, with 10" steel blade, clear view retractable blade guard, dust bag, electric blade, work supports, clamp and stock stop, 115V, 15A
1		X	Drill press, 14", 11" x 25"D, bench-top model, five spindle speeds, 1" chuck, 1 HP single phase motor, 115V, 10A
1		X	Combination belt/disk sander, 30"W x 25"D x 56"H, 6" belt/12" disc, with tilting tables, 4" arbor pulley, V-belt, 80 - grit garnet belt, 50 - grit garnet disc, stand, auto-set miter gauge, and dust control package, 1 HP single phase motor, 230V, 10A
1		X	Combination belt/disk sander, 15"W x 24"D, 1" belt/8" disc, bench-top model, with miter gauge, 1HP single phase motor, 115V, 10A
1		X	Buffer, 8", long shaft with pedestal, 1800 RPM, 1HP single phase motor, 115/230V, 14/7A
1		X	Tool grinder, 7", with pedestal and lighted shields, water pot and tool tray, exhaust-type guards, two wheels, 7" x 1" x 1" (one, 36 - grit and one, 60-grit), 3600 RPM, 1HP single phase motor, 115/230V, 10/5A
2		X	Utility vise, 5" jaw width, 5" opening, with replaceable serrated steel jaws, built-in steel pipe jaws, swivel base
1		X	Circular saw, 7", with combination saw blade and wrench, 115V, 13A
1		X	Jigsaw, variable speed, 115V, 4A

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Router, 1□HP, with □" and □" collets, collet wrenches, and base assembly, 115V, 8A
1		X	Drill, electric, reversible, variable speed, □" chuck, 115V, 5.5A
1		X	Belt sander, with dust bag, 3" x 24" belt, vacuum dust removal system 115V, 10□A
1		X	Sander, orbital pad, □ sheet, double insulated, 115V, 5A
1		X	Sander, orbital finish, □ sheet, double insulated, 115V, 1.25A
3		X	Vacuum cleaner, 28 - gallon, with 6' x 2□" hose, extension wands, and nozzle, 115V, 10A
2		X	Printer
1	X		Safety glass cabinet, with glasses
1		X	Computer Numerical Controlled (CNC) metal lathe (2), bench-top model, lathe machinist kit, air chuck robotic interface, pneumatic lathe shield opening, CAD/CAM software, 200-2000 RPM, □HP single phase motor, 115V, 12A
1		X	Mobil service bench for CNC metal lathe (2), 42"W x 24"D x 28"H, 5□" casters
1		X	Computer Numerical Controlled (CNC) wood router, with Lexan safety shield, key operated switch, built-in dust collection, IBM compatibility, engraving package, CAD/CAM software, 1□HP single phase motor, 115V, 15A
1		X	Computer Numerical Controlled (CNC) milling machine (2), 24"W x 22"D, bench-top model, with Lexan safety shield, air vise robotic interface, milling machinist kit, quick change tooling, CAD/CAM software and documentation, 1HP DC motor, 115V, 15A
1		X	Plastics technology module, containing: manual injection molding machine, rotational molding machine, vacuum former machine, supplies and instructional videos, each machine 115V, 15A each
1		X	Plastic strip heater, 23"L, bench-top use, 115V, 12A
6		X	Student table, 30" x 60," wood
25		X	Student chairs, stackable
3		X	Work station, 15' x 15', quad type, eight students each
25		X	Student chair, pneumatic lift, non-tilt, caster base, armless, for student tables
1		X	Laser printer
20		X	Computer
20		X	Power-switching system, with surge suppression, 115V
		X	Various software
2		X	Mobile Computer Integrated Manufacturing (CIM) bench, 36" x 72", steel, with controller mounting modules Types 1 and 2, keyboard/monitor mounting module, utilities distribution module, electrical power module, compressed air distribution module, quick release connector, and monitor multiplexer
3		X	Robotic arm, with teach through nose software, including: curriculum and instructional packages,

DRAFT SCHEDULED FOR AUGUST 17, 2005 BOARD

No. of Items	Contractor Provided	District Provided (FF&E)	Description
			Vision System, linear conveyor, rotary table, linear slide base, experimenter table (2), end effector package, D.C. servo motor kit, gravity feeder (2), pallet (4), infra-red sensor
2		X	Television, 27" color, with cart, 115V, 2A
1		X	VCR, 4 - head, 115V, .5A
1		X	Video encoder, to connect a computer's video card to a VCR and TV
2		X	Stock cart, steel, 5' diameter casters, 24"W x 36"D x 32"H
1		X	Oily waste can, 6 gallon
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
2	X		Marker board, 4' x 16', with map rail and flag holder
2	X		Tack Board, 4' x 4'
1	X		6' x 8' Video Format Screen with black masking borders
1	X		Pencil sharpener with proper backing
	X		Fire extinguishers, per code
1	X		Fire blanket, wall-mounted
1	X		First Aid kit, wall mounted
1	X		Provide stainless steel sink, 18"D x 24"W, with hot and cold water
1	X		Electric water cooler.
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

E. Technology Resource/Computer Lab

No. of Items	Contractor Provided	District Provided (FF&E)	Description
28		X	Workstation with wire management
1		X	Teacher desk/workstation with chair
2		X	File cabinet, four-drawer, legal, lateral, lockable
28		X	Chair, stackable
28		X	Computers
4		X	Printers
2	X		Marker board, 4' x 8', with map rails and flag holder.
2	X		Tack Board, 4' x 4's.
1	X		6' x 8' Video Format Screen with black masking borders
1	X		Pencil sharpener with proper backing
2	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
1	X		Fire Extinguisher
1	X		Fire Blanket
1	X		First aid kit, mounted
1	X		Clock, battery
1	X		TV/Multimedia cabinet (refer to General Considerations)
	X		Built-ins (refer to special considerations)

Consult with SDPBC Program Management (Construction Liaison at-large) for additional Furniture, Fixtures and Equipment.

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

Refer to GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL

- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards. 12' in all laboratories except the Drafting and Design Technology Laboratory which will be standard height.
- F. **Lighting** - As required to meet District Standards.
- G. **Windows** - As required to meet District Standards. Exterior windows in the laboratory should be above eye-level to avoid outside distractions and allow use of wall space. Windows should be operable for ventilation. Maximum security must be provided at all exterior windows.
- H. **Doors** - As required to meet District Standards. Provide one, 6' double door with removable mullion in each laboratory to facilitate delivery of materials and sharing of equipment. Provide one, 6' double door with removable mullion between the equipment storage room and the Production Technology Laboratory, the equipment storage room and the Engineering Technology Laboratory, and the project storage room and the Communication Technology Laboratory.
- I. **Water/Plumbing Fixtures** - As required to meet District Standards.
- J. **Communications** - As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards. Laboratory to have 120-volt, wall-mounted, duplex outlets 6' apart. One, 120-volt, industrial quality, pull-down/retractable, ceiling-mounted extension cord to be installed above each work bench, plus power poles for quad type computer work stations. When in the retracted position, the cords shall not extend lower than 6' above the floor. Material storage to have two, 120- volt duplex outlets. Student project storage to have two, 120-volt duplex outlets.
- L. **Instructional Technology** - As required to meet District Standards.
- M. **Gas and Air** - As required to meet District Standards. Provide compressed air in the Production Technology and Engineering Technology labs.
- N. **Safety** - As required to meet District Standards. Panic buttons (kill switches) for

instant disconnection of all equipment should be installed on two walls in appropriate laboratories. A keyed reset switch to be installed in conjunction with one of the panic buttons in each laboratory. Adequate fire extinguishers of proper size must be provided in each laboratory.

- O. **Fencing** - As required to meet District Standards.
- P. **Service Drives** - As required to meet District Standards. Production Technology lab should be located on the first floor near a service drive for delivery of large stock.
- Q. **Parking** - As required to meet District Standards.
- Q. **Built-ins**
 - 1. **Drafting and Design Technology Laboratory**
 - a. Provide counter, 25', cabinets below and above, lockable.
 - b. Provide teacher demonstration table, 96" x 30" x 34", with 1" laminate top, double-door base unit with two adjustable shelves, five-drawer base unit, modesty panel, master keyed cylinder locks and pulls
 - c. Provide shelving (10), 36"W x 18"D, full height in material storage.
 - 2. **Communication Technology Laboratory**
 - a. Provide counter, 60', cabinets below and above, lockable.
 - b. Provide cabinet (2), 72"W x 30"D x 34"H, sliding door, steel base with double sliding doors, one adjustable shelf, cylinder lock, 2" maple top.
 - c. Provide cabinet, 43"W x 18"D x 44"H, flammable liquid safety storage, 30-gallon capacity.
 - d. Provide teacher demonstration table, 96" x 30" x 34", with 1" laminate top, double-door base unit with two adjustable shelves, five-drawer base unit, modesty panel, master keyed cylinder locks and pulls
 - e. Provide shelving (6), open, 36"W x 24"D x 75"H in storage room.
 - f. Provide shelving (18), open, 36"W x 18"D x 75"H in storage room.
 - 3. **Engineering Technology Laboratory**
 - a. Provide counter, 30', 1" thick, hard maple top, with cabinets below and above, lockable.
 - b. Provide teacher demonstration table, 96" x 30" x 34", with 1" laminate top, double-door base unit with two adjustable shelves, five-drawer base

unit, modesty panel, master keyed cylinder locks and pulls.

- c. Provide open, full-height shelving (12), 36" x 24" shelves in storage room.
- d. Provide storage cabinet (6), 36"W x 21"D x 78"H, steel construction, four adjustable shelves, lockable in storage room.

4. **Production Technology Laboratory**

- a. Provide counter, 30', 1- $\frac{1}{2}$ " thick, hard maple top, with cabinets below and above, lockable.
- b. Provide teacher demonstration table, 96" x 30" x 34", with 1 $\frac{1}{2}$ " laminate top, double-door base unit with two adjustable shelves, five-drawer base unit, modesty panel, master keyed cylinder locks and pulls.
- c. Provide storage rack (2), 48"W x 34"D x 112"H, triangular type to store up to 14' of stock vertically, three shelves in storage room.
- d. Provide storage cabinet (10), 35"W x 21"D x 78"H, steel construction, four adjustable shelves, lockable in storage room.
- e. Provide shelving (6), open, 36"W x 24"D x 75"H in storage room.
- f. Provide shelving (10), open, 36"W x 18"D x 75"H in storage room.

5. **Other Built-in**

- a. Provide air compressor, central system, in all laboratories located away from laboratories.
- b. Provide TV/Multimedia cabinet, approximately 48" in height with the TV monitor sitting on top of the cabinet. The TV/Multimedia cabinet shall include lockable doors with adjustable shelving for multimedia equipment. The TV/Multimedia cabinet shall also have grommets for wire management. The TV/Multimedia cabinet shall be located along or near the teaching wall.

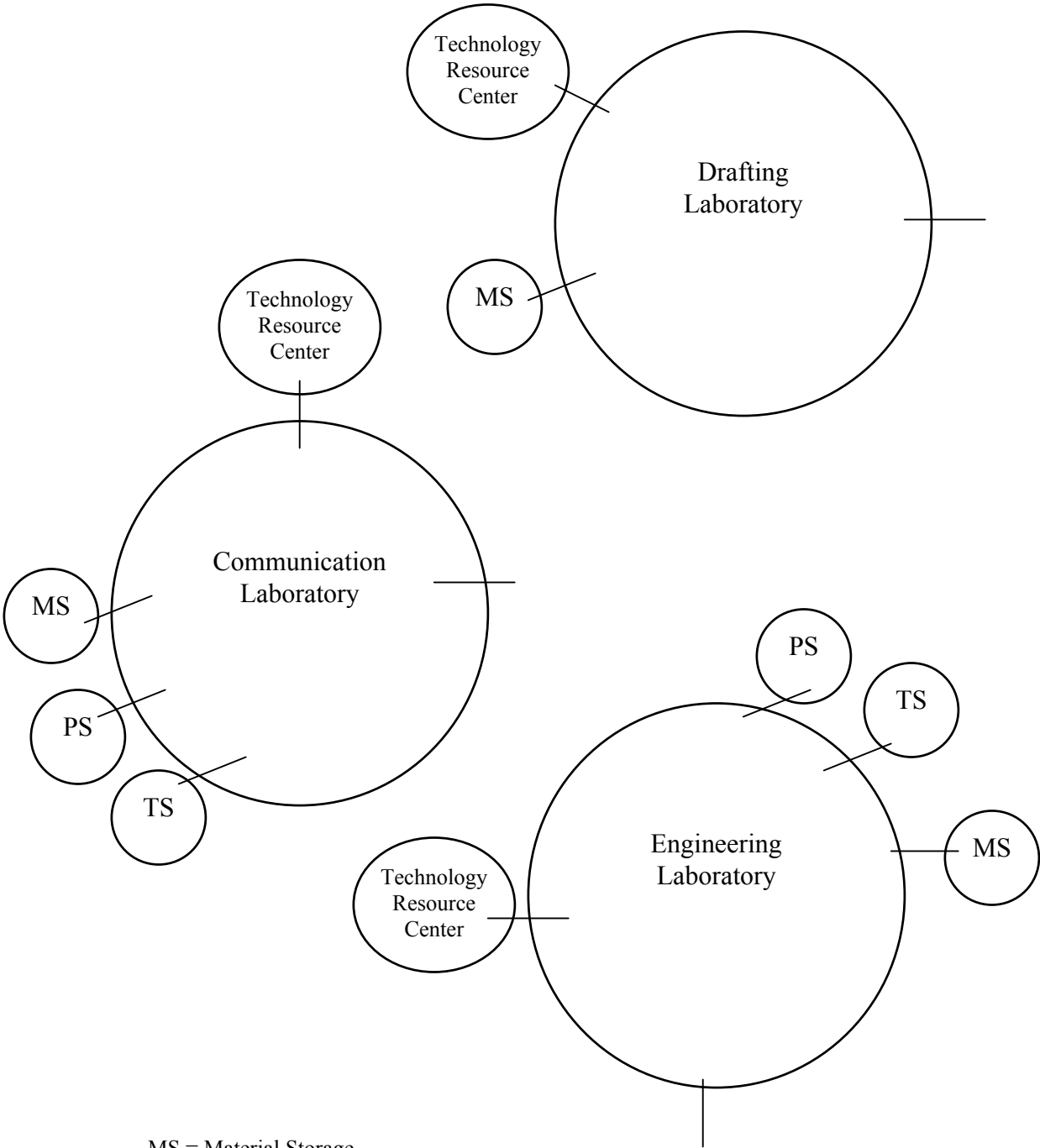
6. **Technology Resource/Computer**

- a. Provide base cabinet with doors, lockable and adjustable shelves, 34"H, and upper cabinets with doors, lockable and adjustable shelves.
- b. Provide built-in bookcase, 5'L x 15"D x 40"H with adjustable shelves.
- c. Provide TV/Multimedia cabinet, approximately 48" in height with the TV monitor sitting on top of the cabinet. The TV/Multimedia cabinet shall include lockable doors with adjustable shelving for multimedia equipment. The TV/Multimedia cabinet shall also have grommets for wire management. The TV/Multimedia cabinet shall be located along or near the teaching wall

S. Other Considerations

1. Noise control between laboratories and within laboratory areas.
2. Visual availability and supervision should be considered in planning all areas of the laboratories for the purpose of providing the instructor visual contact with students at all times and in all areas.
3. Provide air compressor, central system, in all laboratories located away from laboratories.
4. The Production Technology lab must be located on the first floor and be located with an exterior wall. This lab *shall* require a dust collection system for part of the lab. This *shall* be located immediately outside of the lab.

Technology Education



MS = Material Storage
PS = Project Storage
TS = Tool Storage

FACILITY SPACE SUMMARY

Suncoast High School
 Grades 9 – 12
 Modernization
 Total Student Stations: 1,790
 Utilization Factor: 95%
 FISH Capacity: 1,700
 Core Facilities: 1,800
 Enrollment: 1,500

Facility Area	Proposed Student Stations	Net Assign Square Feet (NASF)	Future	
			Proposed Student Stations	Net Assign Square Feet (NASF)
Administrative/Student Services		11,551		800
Art	56	3,898		
Auditorium		14,865		
Computer Education	100	3,600		
Custodial		2,835		
Driver's Education	25	900		
Exceptional Student Education	117	8,335		
Food Services		15,300		
Foreign Language	75	2,700		
General Classrooms	300	10,800	200	7,200
Language Arts	125	4,500		
Library Media Center		10,825		
Mathematics	75	2,700		
Music	78	6,341		
Physical Education	160	28,314		
Resource Rooms		3,990		
Restrooms		3,780		
Science	400	22,320	50	3,190
Social Studies	75	2,700		
Student Storage		900		
Teacher Planning		1,200		
Career Education	204	32,825		
Totals	1,790	195,179	250	11,190
Mechanical @ 6%		11,711		671
Total Net Sq. Ft.		206,890		11,861
Circulation, Walls etc. @ 34%		70,343		4,033
Total Gross Sq. Ft.		277,232		15,894