

EDUCATIONAL SPECIFICATION

ROYAL PALM SCHOOL

**New Construction
Grades PreK – 12
Total Student Stations: 638
FISH Capacity: 638**

**THE SCHOOL DISTRICT OF
PALM BEACH COUNTY, FLORIDA**



**Mr. Bill Graham, Chairman
Monroe Benaim, M.D., Vice Chairman
Mrs. Paulette Burdick
Mr. Bob Kanjian
Mr. Mark Hansen
Dr. Sandra Richmond
Debra Robinson, M.D.**

**Art Johnson, PhD
Superintendent**

September 2007

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Note: NSF throughout document refers to Net Square Feet.

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 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 SREF Requirements
- 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.
- 6. Facilities shall be designed to facilitate the inclusion of students with disabilities.

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

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 the Palm Beach County community, the state and the 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 elementary specifications were developed by a participatory process involving committees of educators, the Department of Elementary Education, 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. Address the Goal 3 Standards, the Florida Sunshine State Standards, benchmarks and grade level expectations, Achievement for All, Key Results and District Goals in the Program Philosophy description.

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, 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.

Philosophy and Goals

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. **Career Education** - 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. Develop 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 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.

8. **Inclusive Education** - All students shall be provided with the following:
 - a. Appropriate educational services in the least restrictive environment which will enable them to have full equality of opportunity.
 - b. Opportunities to interact academically and socially with students with various abilities and disabilities.
 - c. Opportunities to celebrate their differences and unique talents, and.
 - d. Access to facilities designed to accommodate their exceptionalities.

B. Management Goals

1. **General Management** - The school district 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 school 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 district.
- 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
Royal Palm School
New Construction
Grades PreK – 12
Total Student Stations: 638
FISH Capacity: 638

Design Codes	No. of Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
ADMINISTRATIVE							
300	1	Principal (50 NSF from conference room)	250		300		
301	5	Administrative Office		175	875		
302	1	Bookkeeper			175		
303	1	Principal's Secretary			175		
304	1	General Reception/Secretary			750		
305	1	Production/Workroom			384		
312	1	Computer Area/Data Processor			175		
306	1	Conference (50 NSF to principal)			350		
306	1	Conference			200		
307	1	Clinic			870		
308	1	Administrative Storage			400		
309	1	Records Vault/Student Records			300		
368	1	Textbook Storage			400		
314	1	Itinerant/Attendance Clerk			125		
314	3	Itinerant		125	375		
301	1	School Police/Video Surveillance			175		
819/820		Restrooms, staff (out of allotment)			-		
822/823		Restrooms, public (out of allotment)			-		
		Subtotal			6,029		
304	1	Reception Area for ESE Pre-Kindergarten			250		
306	1	Conference for ESE Pre-Kindergarten			300		
308	1	Storage for ESE Pre-Kindergarten			100		
070	4	Office/Testing/Itinerant for ESE Pre-Kindergarten		200	800		
819/820		Restrooms, staff (out of allotment)					
822/823		Restrooms, public (out of allotment)					
		Subtotal			1,450		
304	1	Reception Area for Audiology Lab			200		
070	1	Office/Testing/Itinerant for Audiology Lab			400		
308	1	Storage for Audiology Lab			75		
069	1	Audiology Lab			400		
822/823	1	Restroom, public (out of allotment)					
		Subtotal			1,075		
		TOTAL			8,554		

Facility List by Areas

**DRAFT Scheduled for September 19, 2007 Board Meeting
Original Approved March 16, 2005**

EXHIBIT A

Design Codes	No. of Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
ART (Elementary Prototype)							
050	1	Laboratory			1,000		
805	1	Kiln			80		
808	1	Material Storage			100		
812	1	Project Storage			150		
814	1	Student Restroom - M/F			85		
		TOTAL			1,415		
SKILLS DEVELOPMENT LABORATORY							
010	2	Skills Laboratory		900	1,800	18	36
808	2	Storage		45	90		
814	2	Student Restroom - M/F		85	170		
		TOTAL			2,060		36
CUSTODIAL							
330/331		Central Receiving, Toilets, Showers, Custodial Closets			957		
333	1	Flammable Storage			155		
334	1	Equipment Storage			500		
334	1	Golf Cart Storage (from dining)			150		
		TOTAL			1,762		
EXCEPTIONAL STUDENT EDUCATION							
062	26	Self Contained Classroom (K-12)		900	23,400	10	260
348	13	Shared Kitchen (combine into 1 kitchen & 1 laundry area)		100	1,300		
808	26	Material Storage		45	1,170		
814	26	Student Restroom - M/F		85	2,210		
811	1	Outside Storage			400		
		Subtotal			28,480		260
062	24	Self Contained Classroom (Pre-K)		900	21,600	10	240
348	12	Shared Kitchen (combine into 1 kitchen & 1 laundry area)		100	1,200		
808	12	Material Storage		45	540		
814	26	Student Restroom - M/F		85	2,210		
		Subtotal			25,550		240
061	2	Part-Time Classroom		900	1,800	15	30
808	2	Material Storage		45	90		
814	2	Student Restroom - M/F		85	170		
		Subtotal			2,060		30
066	1	Supplementary Instruction with storage folded into room		200	200		
070	2	Office/Testing/Itinerant		200	400		
		Subtotal			600		

Facility List by Areas

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Design Codes	No. of Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
065	2	ESE Resource Room with storage folded into room		520	1,040		
815/816	2	Student Restroom		85	170		
		Subtotal			1,210		
817	2	ESE Changing Room/Restroom		150	300		
308	1	ESE Department Storage			200		
		Subtotal			500		
064	1	ESE PT/OT Lab			700		
808	1	Material Storage			250		
817	1	Restroom			85		
		Subtotal			1,035		
063	1	ESE Vocational Lab		1,140	1,140	12	12
808	1	Material Storage		100	100		
815/816	1	Student Restroom		85	85		
		Subtotal			2,360		12
068	1	Seclusion Room			40		
067	1	Observation Room			100		
		Subtotal			140		
		TOTAL			61,935		542
FOOD SERVICE/MULTIPURPOSE (Elementary Prototype)							
340	1	Dining/Multipurpose (150 NSF to Custodial Golf Cart Storage)			5,178		
341	1	Kitchen (including office and restroom - prototype)			3,600		
348	1	Warming/Satellite Kitchen			200		
349	1	Chair Storage			192		
316	1	Staff Dining/Lounge			700		
819/820		Staff Restrooms (out of allotment)					
815/816		Student Restrooms (out of allotment)					
		TOTAL			9,870		
MEDIA CENTER (Elementary Prototype)							
380	1	Reading Room/Stacks (to include Periodical Storage & Small Group Listening) (150 NSF from Tech Processing)	2,640		2,790		
382	1	Professional Library/Media Production/Copying Room			656		
383	1	AV Storage/Maintenance and Repair/CCTV Storage			660		
381	1	Library Media Specialist's Office & Technical Processing (combined with Library Media Specialist's office)(150 NSF to Reading/Stacks)			349		

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Design Codes	No. of Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
385	1	CCTV Studio - Production and Control (100 NSF from Stage Control Booth)(500 NSF for Studio & 275 NSF for Control)	672		772		
821		Staff Restroom - M/F (out of allotment)					
814		Student Restroom - M/F (out of allotment)					
		TOTAL			5,227		
MUSIC (Elementary Prototype)							
055	1	Music Classroom			1,200		
808	1	Material Storage/Reference Room			200		
814	1	Student Restroom - M/F			85		
		TOTAL			1,485		
PHYSICAL EDUCATION							
811	1	Outside Storage at Covered Patio & Play Area for Pre-K			400		
014	1	Covered Play Area (K-12)			3,000		
811	1	Outside Storage at Covered Play Area for K-12			400		
315	1	Teacher Planning at K-12 Covered Play Area			100		
071	1	Therapy Pool (doesn't include circulation sf)			1,000		
090/091	2	Dressing Rooms		383	766		
092/093	2	Lockers		64	128		
094/095	2	Showers		64	128		
096/097	2	Drying		64	128		
110	1	PE Multipurpose			2,700		
098	1	PE Storage at PE Multipurpose		150	150		
821		Staff Restroom - M/F (from allotment)			-		
815/816		Student Restroom - M/F (out of allotment)			-		
		TOTAL			8,898		0
RESOURCE ROOM							
040	2	Resource Room with storage folded into room		599	1,198		
815/816	2	Student Restrooms (out of allotment)					
		TOTAL			1,198		0
RESTROOMS (adjust square footage for FACBC and parity requirements)							
822/823		Public Restrooms			128		
815/816		Student Restrooms (Grades 4 and above)			957		
819/820		Staff Restrooms			255		
		TOTAL			1,340		0
STAGE (Elementary Prototype)							
363	1	Indoor Stage		990	990		
364	1	Stage Storage			480		

Facility List by Areas

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EXHIBIT A

Design Codes	No. of Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
317	2	Dressing Room		240	480		
815/816	2	Student Restroom at Dressing Room		85	170		
	1	Control Booth (to CCTV Studio-Production)	100		0		
		TOTAL			2,120		0
TEACHER PLANNING							
315	2	Teacher Planning for K-12 area		500	1,000		
315	3	Teacher Planning for Pre-K area		500	1,500		
		TOTAL			2,500		0
VOCATIONAL							
202	1	Agricultural Laboratory			1,100		20
810	1	Material Storage			395		
847	1	Storage, Flammable			125		
850	1	Storage, Tool			195		
841	1	Greenhouse			800		
		Subtotal			2,615		20
232	1	Family & Consumer Science Lab			1,100		20
812	1	Storage, Project			150		
843	1	Laundry			50		
		Subtotal			1,300		20
245	1	Industrial Lab			1,800		20
808	1	Storage			100		
810	1	Material Storage			395		
849	1	Storage, Project			310		
850	1	Storage, Tool			195		
		Subtotal			2,800		20
		TOTAL			6,715		60

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.

Facility List by Areas

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 Educational Specification, District Master Specifications (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 DDC – Architectural.
- D. **Heating, Ventilating and Air-Conditioning (HVAC)** – Design the system(s) in accordance with DDC – Mechanical and the related DMS sections in Division 15.
- E. **Plumbing** - Design the system(s) in accordance with DDC –Plumbing and the related DMS sections in Division 15.
- F. **Building Fire Protection** - Design the system(s) in accordance with DDC – Plumbing and the related DMS sections in Division 15.
- G. **Windows** – Provide windows and window treatments in accordance with DDC – Architectural.
- H. **Floors** – Provide floors in accordance with DDC – Architectural.
- I. **Walls** – Provide walls in accordance with DDC – Architectural.
- J. **Roof** - Provide roofs in accordance with DDC – Architectural.
- K. **Corridors and Student Commons** - Corridor shall comply with 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 DDC - Architectural.
- M. **Hot Water** - Hot water shall be provided as indicated per code, refer to DDC – Mechanical and Plumbing and DMS.
- N. **Lighting** - Classroom lighting shall be controlled with alternate switching of light fixtures. Provide lighting in accordance with DDC – Electrical and DMS.

- O. **Electrical** - Provide Electrical System in accordance with DDC – Electrical and DMS.
- P. **Student Toilets** - Follow the DDC – Architectural and Plumbing for locating, designing and equipping student toilet facilities.
- Q. **Entrances** - Entrance shall comply with the requirement of the DDC – Architectural.
- R. **Lockers** - Refer to DMS. Work with District and school staff for quantity, size and location of lockers in designated classrooms.
- S. **Clock and Bell System** - Clock system shall be utilized throughout the facility and provided by the contractor. Bell system shall have automatic and manual operation. Refer to DDC.
- T. **Intercommunications System** - Provide two-way intercom system in accordance with the DDC - Electrical.
- U. **Instructional Television Systems** – Provide ITV system in accordance with the DDC – Electrical and DMS sections in Division 16.
- V. **Colors/Finishes** - 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. Location of accent paint colors shall be in reception areas and spaces of student use. Accent color in a principal’s office is optional. Floor Patterns shall be applied in multi-use (cafeteria, media, corridors) and student occupied areas.
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’s Interior Design Coordinator.
- W. **Display Case** - A built-in recessed display case with tackable backboard and controlled lights shall be located in the entrance foyer, music area, art area and media center. Provide safety glass. The recessed display case shall be 6’W x 4’H and 36” aff for a total height of 7’.
- X. **Communications (Voice and Data)** – Provide Communication systems in accordance with the DDC – Electrical.
- Y. **Safety** – Provide safety devices in accordance with DDC, DMS and FBC.
- Z. **Site Fire Protection** - Refer to 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 bibbs in accordance with the DDC – Plumbing.
- AC. **Potable Water** - System 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 DDC - Civil.
- AE. **Sanitary Sewer** - System shall be designed in accordance with the DDC – Civil.
- AF. **Storm Water Drainage** - System 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** - System shall be designed in accordance with the DDC – Structural.
- AI. **Bulletin Boards/Tackboard** - In addition to any bulletin boards specified in departmental specifications, the contractor shall provide eight lineal feet of tackboard in the corridor outside each classroom, resource room, music room, art room, skills lab, cafeteria, media center and administration. Bulletin boards/tackboards shall not be less than 36" vertical measurement.
- AJ. **Ceiling Heights** - Ceiling height shall be in accordance with 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 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 DDC – Architectural.

General Considerations

- 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 DDC.
- AP. School Site and Play fields** - The school site and play fields shall be designed in accordance with DDC – Architectural and Civil.
- AQ. Working Heights** - Provide built-in equipment and furnishings in accordance with DDC – Architectural.
- AR. Ventilation** – Design Ventilation system in accordance with the DDC – Mechanical.
- AS. Program Furniture and Equipment** - Program furniture and equipment list, in this document, is 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 DDC – Plumbing.
- AU. Design Notebooks** - Refer to 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 elementary schools, contractor to provide a lighted double sided marquee/school sign, 5’x10’ in size, with adequate electrical service stubbed out for future LED message area upgrades.
- AY.** Contractor to provide and install 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.
- AZ.** Each school shall have a lightning detection device system.
- BA.** All built-in counters shall have wire management holes (grommets) to service telephones and computer hook-ups.
- BB.** 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.
- BC.** Schools under modernization and/or comprehensive addition shall have the interior

General Considerations

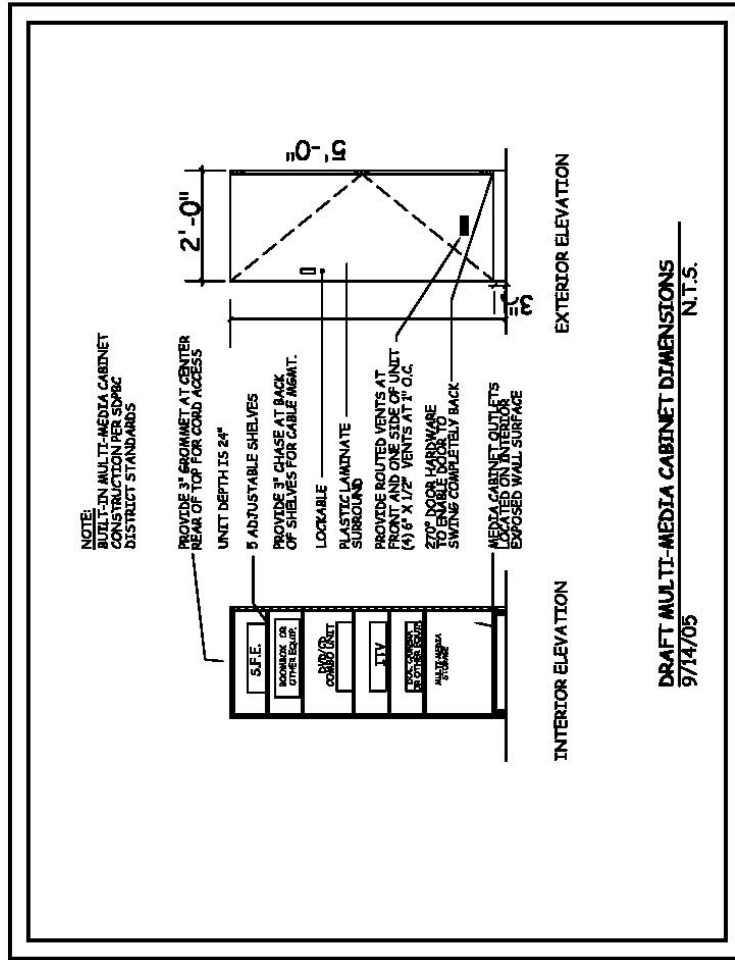
signage comply with the building and room numbering of the School District's guidelines. Room names and numbers on signage shall be coordinated with SDPBC Interior Design Coordinators.

- BD.** Contractor to provide a 30' high flagpole with two complete rope systems. The flagpole shall be located near the main office/administration.
- BF.** Refer to the DDC – electrical and DMS with regards to conduit and junction box for sound field enhancement system and LCD Projector.
- BF.** 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.
- BG.** For the latest requirements and locations of the Multimedia Cabinet, Teacher Station connectivity, Sound Field Enhancement and LCD Projector contact Department of Educational Technology and refer to DDC and DMS.
- BH.** Classrooms, instructional areas and other designated areas shall be equipped with built-in Multimedia Cabinets, provided by the contractor, to house ITV equipment, DVD/VCR, Sound Field Enhancement, Document Camera and other multimedia equipment. The Multimedia Cabinet shall be 24"w x 24"d x 60"h with a 270° hinged lockable door; open back for access to outlets located on the wall; five (5) adjustable shelves with 3" chase for wire/cord wire management; routed vents at front and one side of unit 4 – 6"x1/2" vents at 1" O.C. and 3" grommet on top of unit in center of cabinet. (Refer to prototype classroom and prototype Multimedia Cabinet drawings)
- BI.** Classrooms, instructional areas and other designated areas shall be equipped with built-in workstation, provided by the contractor. The workstation shall include a U shape work area with three (3) grommets and two (2) lockable pedestals (box/box/file and file/file). (Refer to prototype classroom drawing)
- BJ.** All upper cabinets shall have a 12" clear inside depth to store standard binders.
- BK.** The Beacon Center provides after school programs along with community activities for the surrounding neighborhood. If a school has been identified to operate a Beacon Center, the architect shall provide an administrative office (175 NSF) with data, electric, phone and fax line and a storage room (250 NSF) with data, electric and phone from the overall dining room/multipurpose NSF. Both spaces shall be lockable. The storage room will be used as a storage room and a place to connect and charge the wireless laptop computer cart(s). Both the office and storage room shall be located near the entrance of the school with an entrance that is separate from the main office. The architect shall work with District staff with regards to the placement of the Beacon Center on the plans. The dining room/multipurpose shall be equipped

General Considerations

with a wireless computer system.

- BL.** If an Elementary School has been identified to operate a Reading Recovery Training Center, classrooms and/or Resource Rooms will be used for this program. The architect shall work with District staff with regards to the placement of additional furniture, fixture, equipment (FF&E), built-ins, utilities, data, electrical, etc. for the design. The architect shall work with District staff with regards to the placement of the Reading Recovery Training Center on the floor plan.
- BM.** Each school shall have an Automated External Defibrillator which will be provided by the owner. The location and signage will be determined by the SDPBC Risk Management Department.
- BN.** The prototype classrooms are attached as reference only. The architect shall work with District and school staff with regards to the placement of additional furniture, fixtures, equipment (FF&E), built-ins, utilities, data, electric, etc. for the specialized instructional and non-instructional spaces (i.e. hoyer lifts).
- BO.** The architect shall work with District and school staff on the quantity, location and type of hoyer lifts throughout the school center.



General Considerations

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, 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, bicycle and auto parking spaces, courtyards, portables, entry/exit points throughout the interior perimeter barrier, playfields, etc. not to 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 building(s), one for school police and one for fire department. Coordinate with local fire department and district personnel.

SITE DEVELOPMENT

- A. All site plans and landscape plans shall comply with SDPBC **Technical Requirements Manual for Site Plans**.
- B. Refer to **District Design Criteria (DDC)**.

TRAFFIC CONTROL

The following traffic-related activities occur on the school site:

1. Approximately, 30-35 school buses will enter and exit the site at the beginning and end of each school day.
2. Approximately, 170-200 staff will enter and exit the site daily.
3. Service and visitor vehicles will enter and exit the site daily.
4. Private vehicles and 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. Approximately, (225) parking spaces shall be conveniently located for staff, visitors and service personnel. Ten of these to be convenient to the 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 gate 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

I. PROGRAM PHILOSOPHY

Refer to overall. (Page 1)

II. PROGRAM GOALS

A. Administrative Goals

1. Provide direction and support for efficient management of school's resources.
2. Produce an effective instructional program for all students in the school.

B. Student Service/Guidance Goals

1. Provide individual and group counseling services to students.
2. Facilitate the identification, screening and placement of students with unique abilities, disabilities and needs.
3. Provide consultation and assistance to the school staff regarding student behavior problems, career awareness, crisis management, group guidance, learning disabilities, preventative mental health, etc.
4. Conduct conferences with parents regarding the needs, problems and developmental needs of individual students.
5. Establish effective liaison between the school and community, health agencies and social service agencies.

III. PROGRAM ACTIVITIES

A. Administrative Activities

1. Conferences
2. Development of schedules
3. Handling budgets and finances
4. Clerical and duplicating services
5. Public relations activities
6. Materials storage
7. Health services
8. Data processing

Administrative

B. Student Service/Guidance Activities

1. **Interviewing:** one-to-one with student, teacher, or parent
2. **Counseling:** one-to-one with student or parent; group of eight or ten students or parents
3. **Testing:** one-to-one in counselor office or with groups
4. **Conferring:** small groups such as student, parent, teacher and principal
5. **Displaying:** information about career guidance, career education, job development, affective education, classroom management, group counseling, volunteer services, etc.
6. **Storing:** educational tests, occupational information, career guidance and career education materials, student records and instructional materials
7. **Meeting:** small groups 5 - 10 persons

IV. ORGANIZATIONAL NOMENCLATURE

A. Staff

1. Administrators: Principal and Assistant Principal
2. Secretarial/Clerical personnel
3. Curriculum Assistant
4. Guidance Counselor

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

This administrative suite shall be accessible to major instructional areas as well as to the building entrance and visitor parking area.

VI. JUSTIFICATION FOR VARIANCE FROM SREF REQUIREMENTS

- A. Create two (2) conference rooms in the Administrative area. One conference room will be 350 NSF and the second conference room will be 200 NSF.
- B. School police office/video surveillance monitoring equipment room shall be located in Administration; it shall be ADA compliant, lockable and with no windows. It shall be keyed separately and located so that radio communications do not interfere with computer/data processing.
- C. 50 NSF from Conference Room to increase the Principal's office to 300 NSF.
- D. The clinic area will be increased to accommodate larger beds, wheelchair scales, IV poles, stretchers, and specialized medical equipment.
- E. An ESE Pre-K Administration area has been created to accommodate the Pre-K program at the school.
- F. An Audiology area has been created to accommodate the school population and district wide audiological testing needs.

Administrative

VII. PROGRAM FACILITIES LIST

Design Codes	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Sta. Total.
ADMINISTRATIVE							
300	1	Principal (50 NSF from conference room)	250		300		
301	5	Administrative Office		175	875		
302	1	Bookkeeper			175		
303	1	Principal's Secretary			175		
304	1	General Reception/Secretary			750		
305	1	Production/Workroom			384		
312	1	Computer Area/Data Processor			175		
306	1	Conference (50 NSF to principal)			350		
306	1	Conference			200		
307	1	Clinic			870		
308	1	Administrative Storage			400		
309	1	Records Vault/Student Records			300		
368	1	Textbook Storage			400		
314	1	Itinerant/Attendance Clerk			125		
314	3	Itinerant		125	375		
301	1	School Police/Video Surveillance			175		
819/820		Restrooms, staff (out of allotment)					
822/823		Restrooms, public (out of allotment)					
		Subtotal			6,029		
304	1	Reception Area for ESE Pre-Kindergarten			250		
306	1	Conference for ESE Pre-Kindergarten			300		
308	1	Storage for ESE Pre-Kindergarten			100		
070	4	Office/Testing/Itinerant for ESE Pre-Kindergarten		200	800		
819/820		Restrooms, staff (out of allotment)					
822/823		Restrooms, public (out of allotment)					
		Subtotal			1,450		
304	1	Reception Area for Audiology Lab			200		
070	1	Office/Testing/Itinerant for Audiology Lab			400		
308	1	Storage for Audiology Lab			75		
069	1	Audiology Lab			400		
822/823	1	Restroom, public (out of allotment)					
		Subtotal			1,075		
		TOTAL			8,554		

Administrative

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Principal's Office

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Desk/workstation with chair
4-6		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 Office; School Police; Principal Secretary; Itinerant; Bookkeeper; Attendance Clerk & Data Processor (including Pre-K & Audiology offices)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Desk/workstation with chair
2-4		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
	X		Built-ins (refer to special considerations)

C. Reception/Secretary Area (including PreK & Audiology)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
5		X	Chairs for visitors
1		X	End table
2		X	Computer & Printer
		X	Computer for visitor/volunteer
		X	Copier
1		X	Bookcase
1	X		Recessed Display Case, 6'W x 4'H
1	X		Tack Board, 3' x 4'
1	X		Clock
2		X	Brochure/Magazine racks, wall mounted
	X		Built-ins (refer to special considerations)

Administrative

D. Conference Room (per – including PreK & Audiology)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Conference table
8		X	Conference chairs
1	X		Marker Board, 4' x 8' with tack strip
1	X		80" w x 60" h video format screen with black masking borders
1	X		Clock
1	X	X	LCD Projector (Principal's conference room)
1	X		Small version of Multimedia Cabinet with teacher station connectivity (Principal's conference room)
1	X	X	Sound Field Enhancement (Principal's conference room)
	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
3		X	Work table
6		X	Chairs
1	X		Double sink with goose neck faucet (HW/CW)
2		X	Vending machines
1	X		Refrigerator, residential, 18-20 cubic ft
1		X	Microwave
1		X	Computer
1		X	Printer
1	X		Tack board, 4' x 6' (located near staff mailboxes)
1	X		Staff mailboxes (150 minimum) set on a 30"H x 24"D counter with larger cubby/mailboxes underneath to receive large packages. Mailboxes shall be 12" w x 14" d x 4" h clear inside. The mailboxes structure should not exceed 6' in height.
1	X		Drop Safe (refer to built-in for details)
1	X		Clock
1		X	Time Collection Device (TCD)
	X		Built-ins (refer to special considerations)

F. Clinic (Board approved prototype)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
4		X	Cots/hospital beds
3	X		Cubicle curtains on track for cots
4-6		X	Straight chairs
1		X	Desk/workstation
2		X	Task Chair
1		X	Wheel chair scale/medical scale

Administrative

**DRAFT Scheduled for September 19, 2007 Board Meeting
Original Approved March 16, 2005**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	File cabinet, four-drawer, legal, lateral, lockable
2		X	Rolling supply cart/ Table cart
1		X	Hazardous Waste Disposal & Trash Receptacles
1		X	Sharp's container
1		X	Utility Table
1		X	Lockable Storage Cabinet
1		X	Medical file cabinet
1	X		Refrigerator with icemaker, residential, lockable, 21 c.f.
2	X		Double lockable metal narcotics cabinet
1	X		Supervision Mirror
1		X	Mat Table
1	X		Sink with eye wash at nurse station (HW/CW)
1	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'
2		X	Cabinets beside cots/beds
	X		Built-ins (refer to special considerations)

G. Records (minimum one-hour fire rating)

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

H. Administrative Storage (including PreK & Audiology)

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)

Administrative

I. Textbook/Testing Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Barcode reader and scanner for textbooks
1		X	Computer & printer
2-4		X	Activity Tables
1	X		Built-ins (refer to special consideration)

J. Office /Testing/Itinerant for PreK & Audiology

No. of Items	Contractor Provided	District Provided (FF&E)	Description
4		X	Student chair, adjustable
1		X	Teacher desk and chair
1		X	File cabinet, four-drawer, vertical or lateral, lockable
1		X	Teacher Computer & Printer
1		X	Table, round, adjustable
1		X	Computer desk with wire management
1-4		X	Study carrel, adjustable, with electric outlets for various equipment
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
1	X		Tack Board, 4' x 4'
1	X		80"w x 60"h Video format screen with black masking borders
1		X	Computer
1		X	Printer
1		X	Pencil Sharpener, electric
1	X		Clock
1	X	X	LCD Projector (one room only)
	X		Multimedia cabinet with teacher station connectivity (one room only)
1	X	X	Sound Field Enhancement

K. Audiology Lab

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Audiometric Booth: Control and Exam Room
1		X	Sound Equipment
2	X		Stainless steel sink w/ goose neck faucet (HW)
1		X	Ultrasonic cleaner
2-6		X	Chairs
2		X	Filing cabinet
1		X	Desk & Chair
1		X	Computer & Printer
1	X		Built-ins (refer to special considerations)

Administrative

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.
- G. **Windows** - As required to meet District Standards. No windows in the police office/video surveillance room. Provide observation windows between the nurse's station and cot area and between the counsel room and cot area in the clinic. The nurse should be able to see through the window either sitting or standing position.
- H. **Doors** - As required to meet District Standards. Provide larger door in the administrative storage area and entrance to the administrative building. Second exit from principal's office shall be provided. Records room shall be fireproof.
- 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. Parking for administrators, secretarial staff and visitors near administrative offices with easy access at all times during the day. Provide parking for the Audiology office.

Administrative

R. **Built-ins** -

1. **Conference Room** - Provide 8' of base cabinet with sink, 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.
2. **Administrative Storage** – Provide adjustable shelving, continuous, 18"D on all walls, full height.
3. **Clinic** – Refer to Board Approved Prototype clinic for built-ins.
4. **Textbook Storage** – Provide maximum metal shelving with adjustable shelves on all walls. Provide free standing shelving for center area for adequate passageway.
5. **Reception/Secretary** - Provide reception counter 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. The reception counter shall be for a minimum of two people. The reception counter shall have grommets for wire management.
6. **Production/Workroom** – Provide counter space, with cabinets with lockable doors, adjustable shelving 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.

7. **Data Processor/Computer Area** - Open counter workspace, 30"H x 28"D, on one wall with desk in corner. Open shelving with fixed ends above counter and on opposite wall.
8. **Audiology Lab**
 - a. Provide upper and base cabinet with sink, lockable doors and adjustable shelves in conference room area.
 - b. Provide upper cabinet, lockable doors and adjustable shelves; and

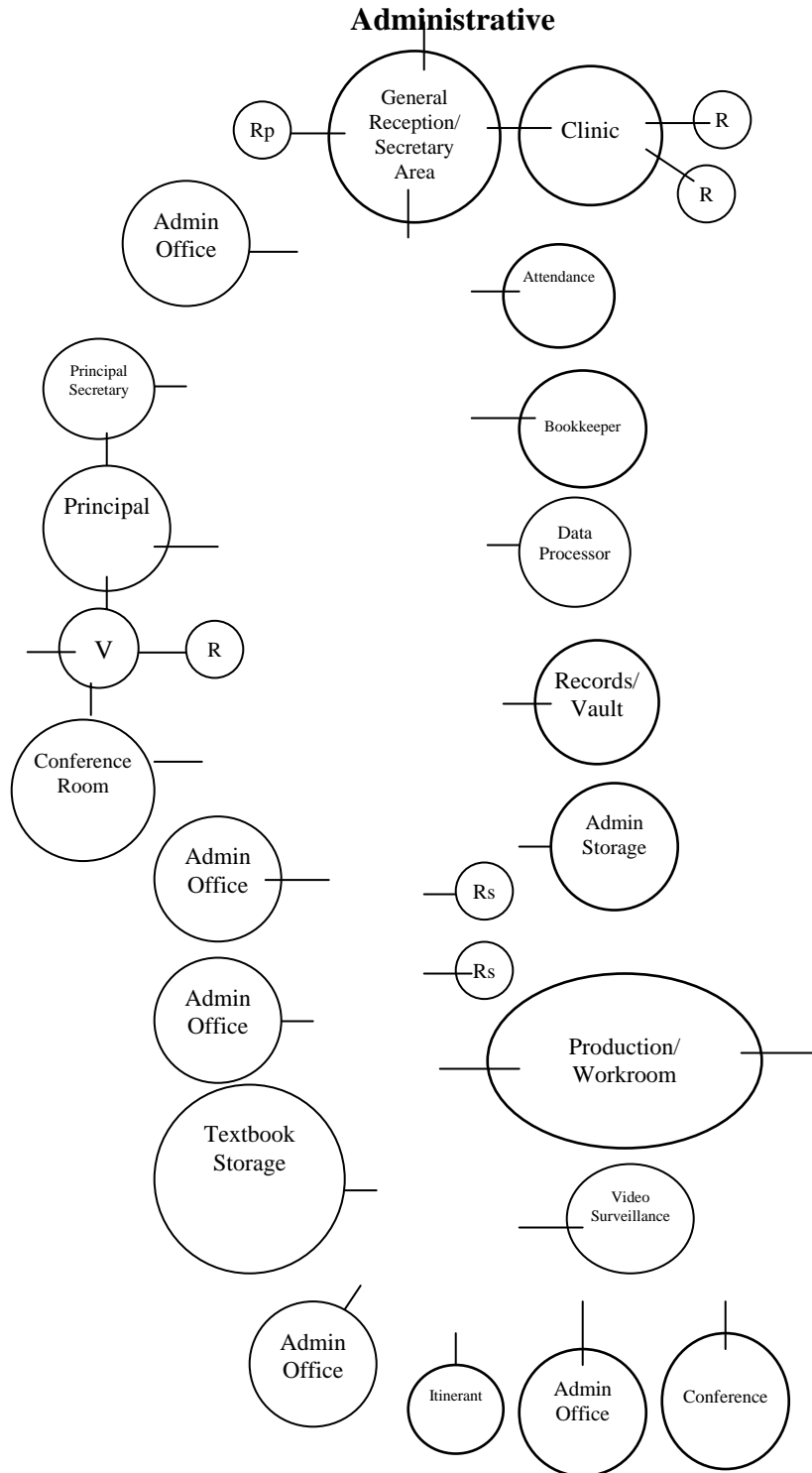
Administrative

work counter in work area with sink. Provide an area above the work counter in the Audiology lab to house and power-up for approximately 40 audiology equipment.

S. Other Considerations-

1. School Police/Video Surveillance 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. Provide electric, phone and data in the vault/records, textbook storage and administrative storage.
4. The prototype clinic layout is included as reference only. Based upon the school population, the cot area shall be increased to fit larger cot/beds, additional medical equipment.

SPATIAL RELATIONSHIPS



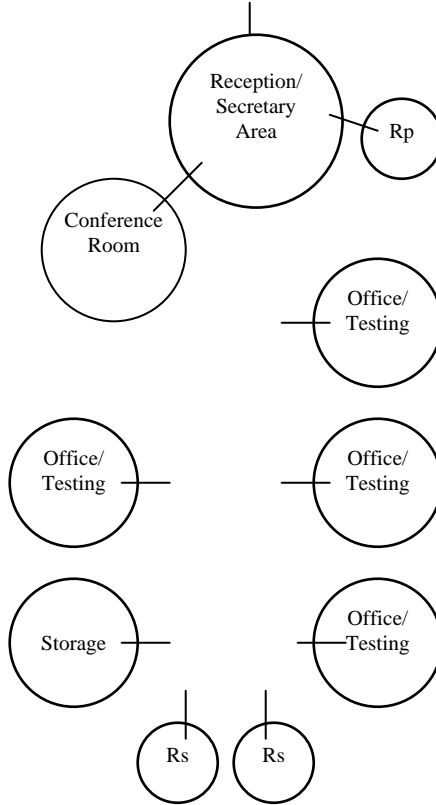
V = Vestibule
Rp = Restroom, Public
Rs = Restroom, Staff

Not all Itinerant offices are shown

Administrative

SPATIAL RELATIONSHIPS

Pre-K Administrative Area

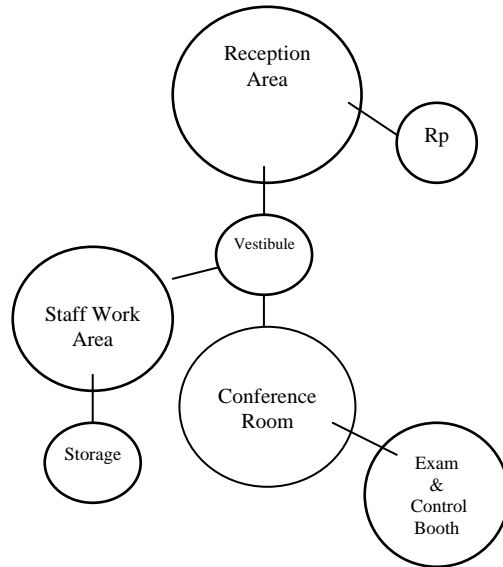


Rp = Restroom, Public
Rs = Restroom, Staff

Administrative

SPATIAL RELATIONSHIPS

Audiology



Rp = Restroom, Public

Administrative

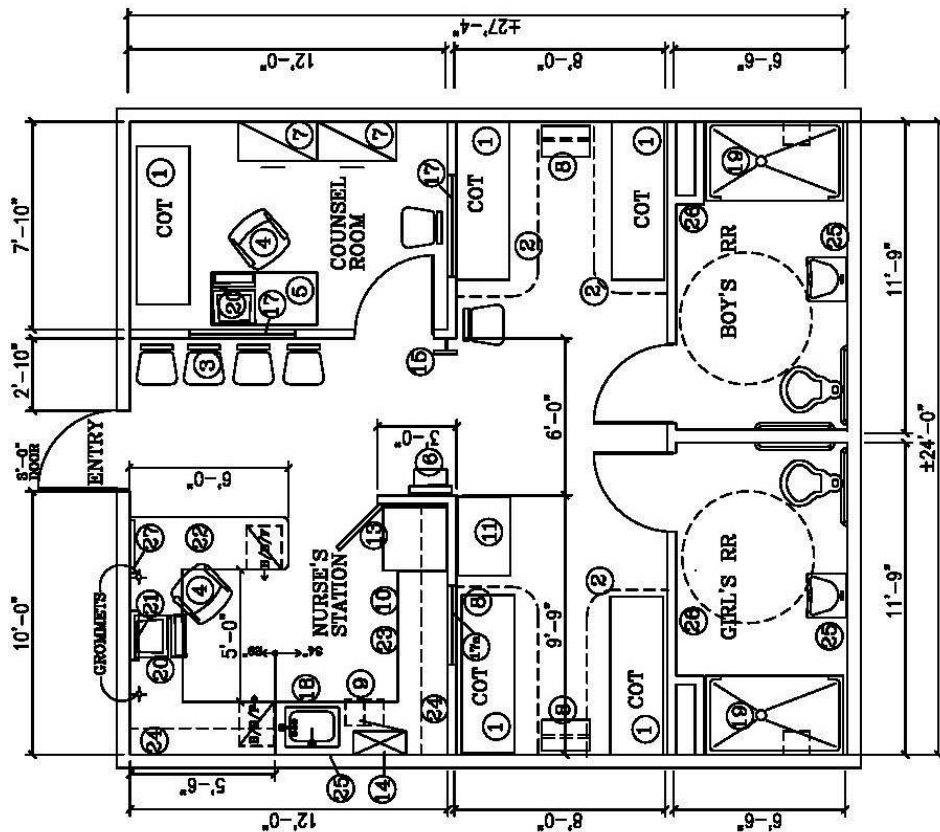
LAST REVISED - 4/30/04

MIDDLE SCHOOL CLINIC
N.T.S.

653 S.F.

EQUIPMENT LEGEND

- 1 6 COTS (ONE INSIDE COUNSEL AREA)
- 2 CURTAIN CURTAIN ON TRACK FOR CURTAIN TO START @ 12" A.F.F. (INCLUDES COUNSEL AREA)
- 3 STUDENT CHAIRS
- 4 NURSE'S TASK CHAIR
- 5 30"x60" DESK (IN COUNSEL AREA)
- 6 BALANCE BEAM MEDICAL SCALE
- 7 8-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 (MOUNTED 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/ICEMAKER @ 21 CU. FT. (VERIFY DIM. OF EQUIP. w/MILLIFORK CONT.)
- 14 DBL. LOCKABLE METAL MARCOULOUS CABINET
- 15 SUPERVISION MIRROR, MOUNTED @ 7' A.F.F.
- 16 NOT USED
- 17 FIXED OBSERVATION WINDOW ± 36" W. X 48" H. CENTERED ON WALL - w/VERT. BLINDS
- 18 PAID OBSERVATION WINDOW - BETWEEN UPPER & LOWER CABINETS/SHOULDER ± 30" H. ± 36"-38" IN LENGTH CENTERED ON WALL
- 19 COUNTERTOP @ 34" A.F.F. w/36" X 36" SINK (SC/HS) COACHBACK FAUCET w/ATTACHED SIDE SPRING WATERFALL SHANT PANEL BELOW COUNTER TO CONCEAL PLUMBING
- 20 ADA PRE-PAB SHOWER w/NO CURB - FOLD DOWN SEAT IN SHOWER
- 21 COMPUTERS & PHONES (OUTLETS @ 15" A.F.F.)
- 22 CLOCK & P.A. SYSTEM - ABOVE COMPUTER @ NURSE'S STATION
- 23 COUNTERTOP @ 36" A.F.F. TO INCLUDE: GROOMETS, (2) BOX/BOX/FILE PEDESTALS
- 24 BASE CABINET STORAGE w/DOORS - 34" A.F.F. w/ADJ. SHELVES -
- 25 UPPER CABINET w/DOORS & ADJ. SHELVES
- 26 LOCATION OF SOAP /PAPER TOWEL DISPENSER ADJACENT TO SINK
- 27 LOCATION FOR WHEELCHAIR STORAGE
- 28 2' X 4' TACKBOARD @ NURSE'S STATION



GENERAL NOTES

- ALL CABINETS TO BE LOCKABLE
- HOMOGENEOUS SHEET VINYL FLOORING IN CLINIC/COUNSEL RM.
- GRAND TILE FLOORING IN RESTROOMS
- 12" TO 18" HIGH FILE CABINETS IN RESTROOMS
- ALL RESTROOMS TO BE ADA COMPLIANT
- PLEASE SEE FF&E MATRIX FOR CONTRACTOR PROVIDED ITEMS

ART

I. PROGRAM PHILOSOPHY

Refer to overall. (Page 1)

II. PROGRAM GOALS

The five major goals of art education in the elementary grades are as follows:

- A. To perceive and respond to various aspects of art.
- B. To experience art as an important realm of human experience.
- C. To produce works of art.
- D. To know about art.

III. PROGRAM ACTIVITIES

Art activities in the elementary school include the following:

- A. **Drawing** - (crayon, chalk, pencil, charcoal, ink, paper, matboard)
- B. **Painting** - (water soluble, polymer)
- C. **Constructing / Forming** - (wood, paper, wire, clay, fabrics, fibers, threads, found material)
- D. **Viewing** - (slides, overhead transparencies, opaque and movie projection, video tape equipment)
- E. **Displaying** - (for both two- and three-dimensional art works)
- F. **Printing** - (silk screen, stencil, linoleum, collograph, monoprint)
- G. **Storing** - (individual student storage for both two- and three-dimensional material; bulk storage; space within classroom area for materials/supplies; still-life objects and things in daily use).

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio: varies

Grade Levels for Which Program is Intended: K-12

Art

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

N/A

VI. JUSTIFICATION FOR VARIANCE FROM SREF REQUIREMENTS

- A. Art patio is needed adjacent to Art Laboratory.
- B. Kiln square footage has been increased to accommodate program needs.
- C. Restroom has been added for flexibility purposes and enhancement of supervision of students.

VII. PROGRAM FACILITIES LIST

Design Codes	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
ART							
050	1	Laboratory			1,000		
805	1	Kiln			80		
808	1	Material Storage			100		
812	1	Project Storage			150		
814	1	Student Restroom - M/F			85		
		TOTAL			1,415		

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Laboratory

No. of Items	Contractor Provided	District Provided (FF&E)	Description
28		X	Wooden stool, 17"-18"
7		X	Art table, 60" l x 42"w x 29"-30" h
6		X	Easel, double-sided, with removable paint trays
3		X	Hot plate, single unit, with temperature controls
1		X	Mat cutter, 30" x 40"
2		X	Drying rack, portable
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Teacher computer and printer
4		X	Spotlight, portable
4		X	Computer
2		X	Printer
2	X		Art Sinks- Stainless steel, double bowl, sink with separate goose neck faucets (CW) and separate clay traps.
1	X		Stainless steel, double bowl sink with goose neck faucet (CW) and water jet drinking fountain, ADA compliant.
1	X		Marker board, 4' x 16' with map rail and flag holder

Art

**DRAFT Scheduled for September 19, 2007 Board Meeting
Original Approved March 16, 2005**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		80" w x 60" h video format screen with black masking borders
2		X	Pencil sharpener, electric
1	X		Clock
1	X		Multimedia cabinet (refer to General Consideration)
1	X		Workstation (refer to General Consideration)
1		X	DVD/VCR Combo
1		X	Document Camera
1		X	Wireless Laptop cart
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement System
	X		Built-ins (refer to special considerations)

B. 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
1	X		Kiln, electric, temperature control, top loader with approximately 9 cu. ft. of inside space with kiln furniture
	X		Built-ins (refer to special considerations)

C. Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
2		X	Cart, two trays
1	X		Cabinet, double door, lockable
2		X	Clay storage container, on casters, tight-fitting top, metal lined
1		X	Cart for storing two-dimensional reproductions, minimum interior, 24" x 30"
8		X	Paper roller
1		X	Computer & Printer for Teacher
	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. The floor shall be colored sealer on

Art

concrete in the kiln room. Classroom and kiln room shall have floor drains with lift-out sediment traps for easy cleaning. Threshold shall be 1/2" 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. Walls** - As required to meet District Standards. Provide tackable vinyl covered wall panels where space allows, including cabinet fronts.
- E. Ceiling** - As required to meet District Standards. Laboratory shall have a system of a least six hooks in the student work area to support, approximately 150 lb. each, used to hand weaving frames, drying 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 ceiling attachments and outlets for portable spotlights for still-life arrangements and figure poses. No plastic covers on lights in the kiln room.
- G. Windows** - As required to meet District Standards. Provide observation window between material storage and laboratory.
- H. Doors** - As required to meet District Standards.
- I. Plumbing Fixtures / Water** - As required to meet District Standards. Sinks should be located in a peninsular arrangement when possible.
- 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** -
 - 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.
- Q. Parking** - As required to meet District Standards.

Art

R. Built-ins -

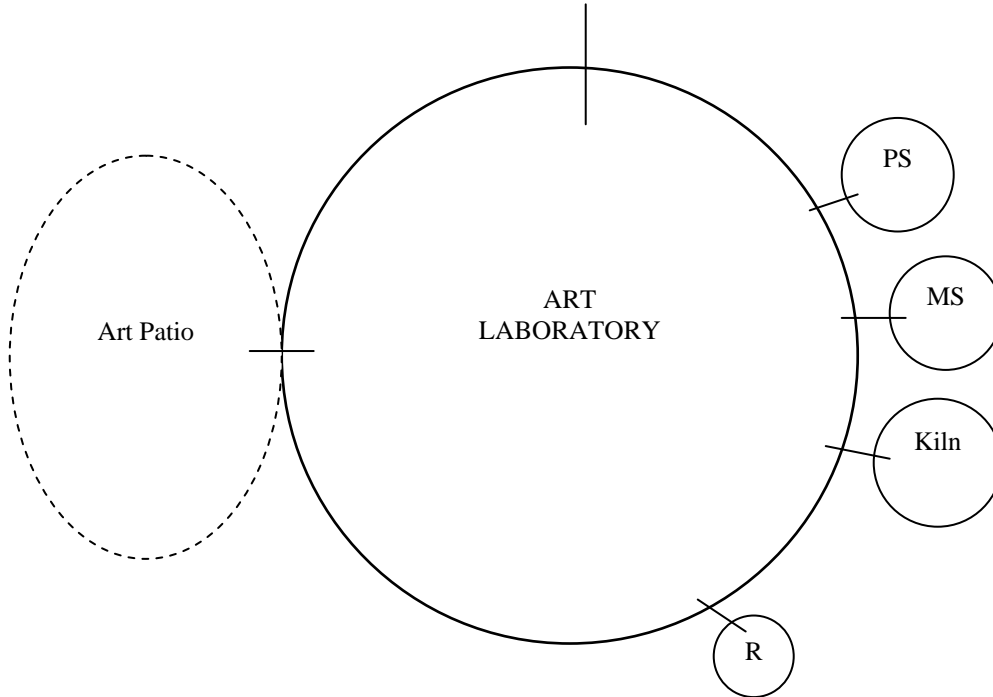
1. **Laboratory** - Provide counter, 30"H x 30"D, along three walls, with cabinets (mix of upper cabinets with doors and without doors), adjustable shelves, lockable door (one key). Inside shelving shall accommodate 18" x 24" paper. One cabinet or storage shelf for mat board storage, 32"H x 40"D. One counter area for paper cutter, 30"H x 40"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. Provide Multimedia cabinet and workstation - refer to General Considerations.
2. **Kiln Room** – Provide maximum steel shelving, floor to ceiling, on all walls with proper backing for mounting.
3. **Storage** - One wall, with closed base cabinets; cabinets above, with adjustable shelves. One wall, with open, fixed shelving, floor-to-ceiling, 18"D and 20" apart. One wall, with working-height counter and open, fixed shelving above, 12"D and 18" apart. Project storage shall include five shelves for 24" x 30" matted student work. Closed cabinets shall be lockable.
4. **School Display/Exhibition** -.Provide recessed display cabinet (6'W x 4'H and 36" aff for a total height of 7') with control light and tackable backboard for students' art work in hallways, cafeteria and reception areas of the school. A gallery space shall be included adjacent to media center and administrative office area.

Provide space in classroom, between cabinet tops and ceiling approximately 24", for still-life objects and large projects.

S. Other Considerations -

1. The kiln room shall be a one-hour rated enclosure.
2. Provide benches for Art patio.
3. Art patio, provided by contractor, shall have a north or east exposure.
4. Provide an 8' overhang from the classroom to the art patio for the use of outdoor activities for Pre-Kindergarten.

Art



MS – Material Storage
PS – Project Storage
R – Restroom, student

Art

SKILLS DEVELOPMENT LABORATORY

I. PROGRAM PHILOSOPHY

Refer to overall. (Page 1)

II. PROGRAM GOALS

Improvement of students' knowledge and skills in specialized subject areas and enhance development of individual skills, increase student access to technology and increase potential for personal communication and interaction with others.

III. PROGRAM ACTIVITIES

Instruction will be provided to large and small groups. Planned demonstrations and presentations will be made to pupils. These include personnel and audio-visual activities. Individualized instruction will also be provided. Students will work on individualized and group projects and in specialized learning centers.

IV. ORGANIZATIONAL NOMENCLATURE

Staff and student participation vary as determined by scheduled use of the facility.

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

The skills development laboratory provides a setting for various learning experiences in which students can increase communication opportunities, explore and develop individual skills. This laboratory will accommodate in-depth experiences with specialized equipment and learning centers to enrich and build upon classroom activities.

VI. JUSTIFICATION FOR VARIANCE FROM SREF REQUIREMENTS

- A. Restrooms have been added to Skills Development Laboratory for flexibility purposes and enhancement of supervision of students.
- B. One Skills Laboratory will be located neat or adjacent to the Technology Lab.
- C. One Skills Laboratory will be used for K-12 Diagnostic Evaluation.

VII. PROGRAM FACILITIES LIST

Design Codes	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
SKILLS DEVELOPMENT LABORATORY							
010	2	Skills Laboratory		900	1800		
813	2	Storage, Student		45	90		
814	1	Student Restroom - M/F		85	170		
TOTAL					2060		

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Laboratory

No. of Items	Contractor Provided	District Provided (FF&E)	Description
12-15		X	Computer table, oblong, 30" w x 60" l, with wire management
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Teacher Computer & Printer
20-30		X	Chair, stackable
30		X	Computers
4		X	Printers
1	X		Marker Board, 4' x 16', with map rails and flag holder.
4	X		Tack Board, 4' x 4'
1	X		80"w x 60"h video format screen with black masking borders
1		X	Pencil sharpener, electric
1		X	Bookcase
		X	Various electronic instructional devices
1	X		Multimedia cabinet (refer to General Considerations)
1	X		Workstation (refer to General Considerations)
1		X	Document camera
1		X	DVD/VCR Combo
1		X	Wireless Laptop cart
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement System
1	X		Clock
	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.

Skills Development Laboratory

- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District Standards 1.
- 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. 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. **Computer Lab**
 - a. Provide base cabinet with sink and lockable doors and adjustable shelves and upper cabinets with lockable doors and adjustable shelves.
 - b. Provide Multimedia cabinet and workstation - refer to General Considerations.
 - c. Provide metal shelving (3 – 36”d x 18”w x 80”h) in 45 s.f. storage areas.
 - d. Diagnostic/Computer Lab: teacher connectivity location requires special considerations due to utilization of various peripheral, adaptive
Skills Development Laboratory

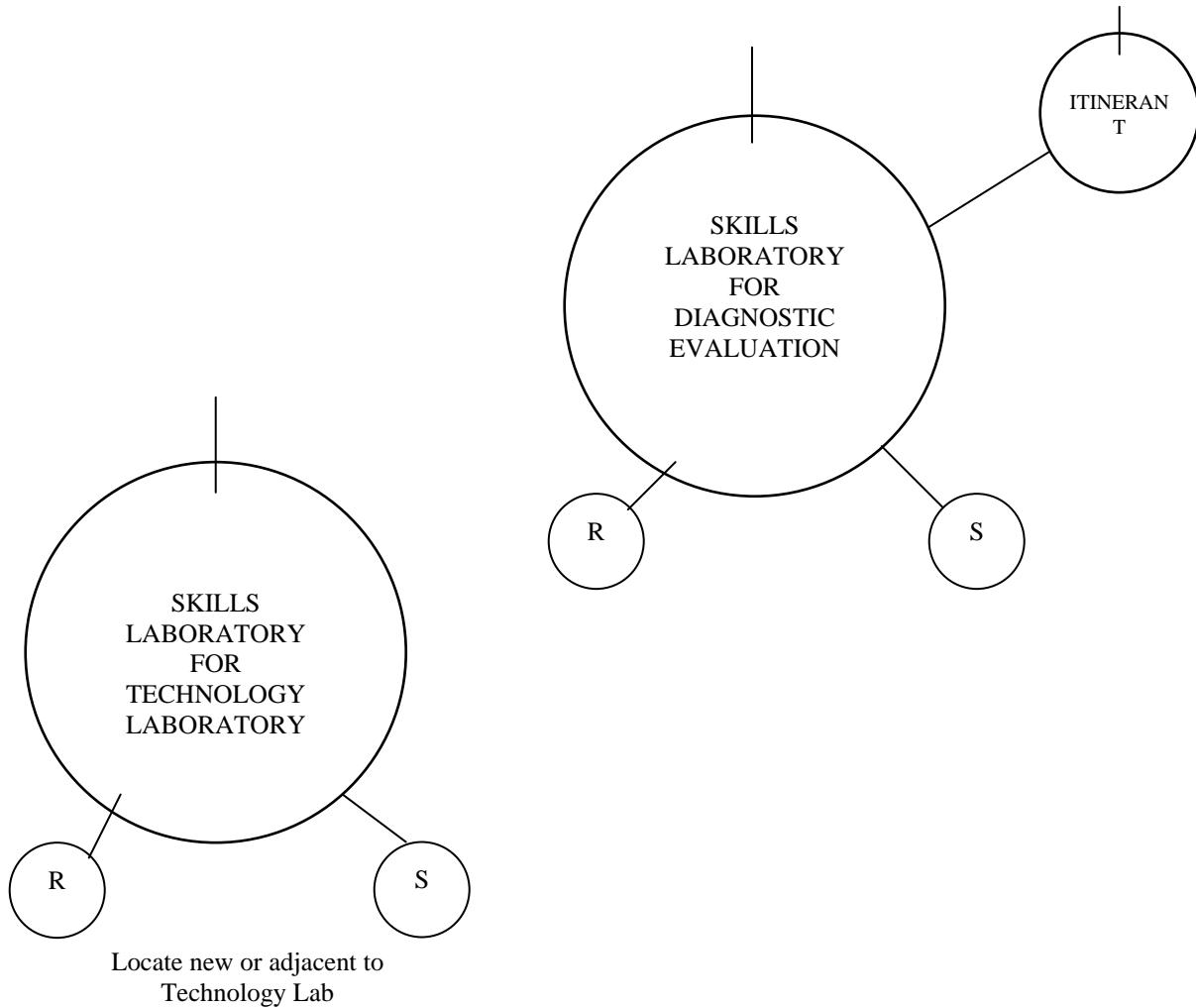
equipment and various assistive technology devices.

- e. Student work station location may require special electrical and data placement to accommodate wheelchair users and limited range of motion exhibited by many of the users.

S. Other Considerations – N/A

SPATIAL RELATIONSHIPS

Skills Development Laboratory



S = Storage
R = Restroom

Not all spaces are shown

Skills Development Laboratory

CUSTODIAL

I. PROGRAM PHILOSOPHY

Staff and students can expect a clean and healthful environment in which to teach and learn. A properly organized and trained custodial staff has the ability to insure 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. Care must be exercised that cleaning is their primary function. Staff and students help insure 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

The principal duties of the Custodial staff are as follows:

- A. Prepare and maintain adherence to work schedules to insure regular, daily cleaning of the entire facility.
- 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 all safety and fire regulations.
- 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 inventory of custodial supplies; and reorder, as necessary, for timely

Custodial

replacement.

K. Use all manual, mechanical, electrical, and automatic equipment, as directed.

IV. ORGANIZATIONAL NOMENCLATURE

Number of custodial staff determined as a function of the budget department.

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

N/A

VI. JUSTIFICATION FOR VARIANCE FROM SREF REQUIREMENTS

A. 150 NSF from dining for golf cart storage area to accommodate two electrical carts.

VII. PROGRAM FACILITIES LIST

Design Codes	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
CUSTODIAL							
330/331		Central Receiving, Toilets, Showers, Custodial Closets			957		
333	1	Flammable Storage			155		
334	1	Equipment Storage			500		
334	1	Golf Cart Storage (from dining)			150		
TOTAL					1,762		

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Custodial Foreperson Office

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	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

Custodial

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	Stepladders: two 10'H, two 6'H, two 3'H
4		X	Custodial cart
1		X	Flat cart, four-wheel, for material handling
2		X	Vacuum cleaner, heavy-duty, wet/dry, with accessories
2		X	Vacuum cleaner, upright, high productivity, with beater bar
4		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
2		X	Floor machine, 18"W, standard
3		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
2		X	Floor Fan
1		X	Vise
2		X	Tank sprayer, plastic
1	X		First Aid kit, wall-mounted
3		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		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
6	X		Lockers

Custodial

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Clock
1		X	Time Collection Device (TCD)
	X		Built-ins (refer to special considerations)

C. Flammable Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		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 (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
2		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.

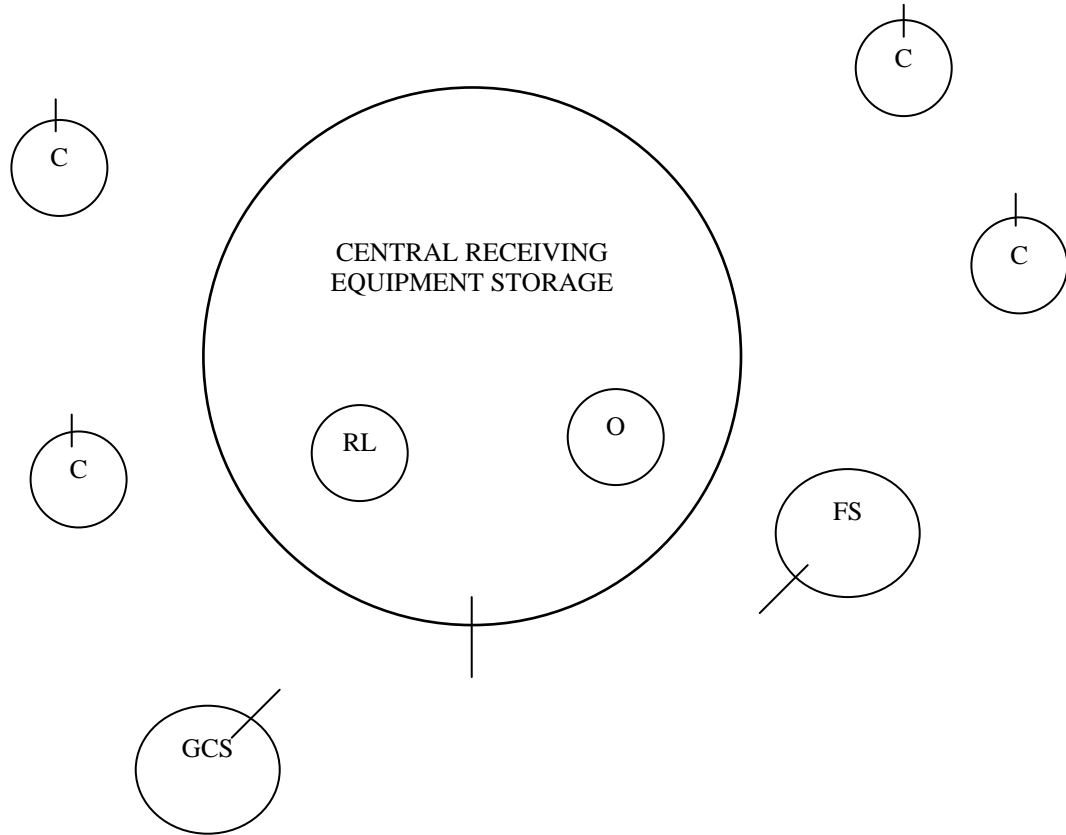
Custodial

- 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 doors, lockable, extra wide or overhead for receiving. Provide metal doors for flammable storage area, with at least 6'W opening. Provide metal door with at least 6' W opening for golf cart storage.
- 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** - Service drive to central receiving storage area with loading area. 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 storage. Provide six (6) lockers for custodial staff. 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. The number of carts and charging stations must meet District Design Criteria.

Custodial

DRAFT Scheduled for September 19, 2007 Board Meeting
Original Approved March 16, 2005
SPATIAL RELATIONSHIPS

Custodial



FS = Flammable Storage
C = Closets, per SREF
O = Office
RL = Restroom/Lockers/Showers
GCS = Golf Cart Storage

Custodial

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 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. Individual Educational Plans (IEP) are implemented in inclusive settings with appropriate support, as long as the IEP team determines that the student can or continues to achieve educational benefit.

Programs for exceptional children include those intended to ensure that students with disabilities develop mentally, physically, emotionally and vocationally to the fullest extent possible through appropriate, individualized education in the least restrictive environment. These students include those who, because of permanent or temporary mental, physical, or emotional disabilities, are unable to have all of their educational needs met in regular class without special education or related services.

III. PROGRAM ACTIVITIES

A. General Activities

Individualized and group instruction will be provided in academic and enrichment curriculum areas.

B. Special Activities for the Developmentally Delayed (Pre-K), Autistic, Mentally Handicapped, Dual Diagnosed and Physically Impaired

- a. Basic instruction in reading, language arts, mathematics, daily living skills, practical science, career education and use of leisure time.
- b. Functional pre-academics / academics
- c. Vocational skills
- d. Communication
- e. Embedded communication / motor / social skills
- f. Behavior and socialization skills
- g. Behavior management techniques to effect behavioral changes in students.
- h. Structured program to arrange situations where students frequently experience success.
- i. Affective curriculum emphasizing positive self-concept.
- j. Functional life skills
- k. Personal and social adjustment skills development

Exceptional Student Education

- l. Self-management /self care/ home living skills
- m. General community functioning skills

- n. Environmental and community mobility training
- o. Recreation / leisure skills

C. Supplementary Instruction - Speech, Language and Testing

- a. Diagnostic testing
- b. Psychological examinations and annual re-evaluations
- c. Individual and small group instruction
- d. Team meetings, strategic planning

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio

Self contained Instructional Classrooms: Varies 1:4 to 1:10

Include: Developmentally Delayed (Pre-Kindergarten), Autistic, Emotionally Handicapped, Mentally Handicapped (Educable, Trainable and Severely/Profoundly), Dual Sensory Impaired, Physically Impaired.

Part-Time Instructional Classrooms: 1:10

Include: Varying Exceptionalities

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES -

- A. All instructional spaces need to be reviewed with district and school staff to assess special equipment, furniture layouts and special functions within the rooms.

VI. JUSTIFICATION FOR VARIANCE FROM SREF REQUIREMENTS

- A. Supplementary Instruction spaces are to be used for Speech and Language, Hearing, Vision and Psychological Testing, annual re-evaluations and office space for staffing and parent conferences.
- B. Material storage and student storage shall be folded into the ESE Resource Room to create a larger instructional space.
- 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. Restroom should be located near an elevator and located in the instructional wing.
- D. Combine material storages to create ESE Department Storage.
- E. Restrooms have been added to ESE Resource Rooms for flexibility purposes and enhancement of supervision of students.

Exceptional Student Education

- F. ESE classrooms should be located on the ground floor whenever possible.
- G. Create a kitchen and laundry room from combine NSF of the kitchens for Pre-K rooms.
- H. Create a kitchen and laundry room from combine NSF of the kitchens for K-12 rooms.
- I. Laboratory - This area shall be designed as a F.A.C.B.C. model apartment for teaching life skills. It includes kitchen, laundry, and bathroom facilities.
- J. One Part-Time classroom shall be used as a Sensory Lab.
- K. One Part-Time classroom shall be used as a Pre-K Motor Skills Lab.
- L. One (1) ESE Resource Room shall be used as a K-12 Transition space.
- M. One (1) ESE Resource Room shall be used in the Pre-K area.

VII. PROGRAM FACILITIES LIST

Design Codes	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
EXCEPTIONAL STUDENT EDUCATION							
062	26	Self Contained Classroom (K-12)		900	23,400	10	260
348	13	Shared Kitchen (combine into 1 kitchen & 1 laundry area)		100	1,300		
808	26	Material Storage		45	1,170		
814	26	Student Restroom - M/F		85	2,210		
811	1	Outside Storage			400		
		Subtotal			28,480		260
062	24	Self Contained Classroom (Pre-K)		900	21,600	10	240
348	12	Shared Kitchen (combine into 1 kitchen & 1 laundry area)		100	1,200		
808	12	Material Storage		45	540		
814	26	Student Restroom - M/F		85	2,210		
		Subtotal			25,550		240
061	2	Part-Time Classroom		900	1,800	15	30
808	2	Material Storage		45	90		
814	2	Student Restroom - M/F		85	170		
		Subtotal			2,060		30
066	1	Supplementary Instruction with storage folded into room			200		
070	2	Office/Testing/Itinerant		200	400		
		Subtotal			1,000		
065	2	ESE Resource Room with storage folded into room		520	1,040		
815/816	2	Student Restroom		85	170		
		Subtotal			1,210		
817	2	ESE Changing Room/Restroom		150	300		
308	1	ESE Department Storage			200		
		Subtotal			500		
064	1	ESE PT/OT Lab			700		
808	1	Material Storage			250		
817	1	Restroom			85		
		Subtotal			1,035		
063	1	ESE Vocational Lab		1,140	1,140	12	12
808	1	Material Storage		100	100		
815/816	1	Student Restroom		85	85		
		Subtotal			2,360		12
068	1	Seclusion Room			40		
067	1	Observation Room			100		
		Subtotal			140		
		TOTAL			61,935		542

Exceptional Student Education

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. ESE Instructional Rooms: Self Contained and Part Time

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Mirror, wall
varies		X	Student desk, adjustable
varies		X	Student chair, adjustable
1		X	Table, Round, 48"
1		X	Table, Kidney-shaped
1		X	Table, adjustable legs, 29"l X 27"w X 25-30"h
varies		X	Chairs
varies		X	Rifkin Chairs
varies		X	Standers
varies		X	Mobile Floor Sitters
varies		X	Mat Tables, various heights, sizes and locations
1		X	Desk and chair; aide
1		X	Teacher Computer & Printer
1	X		Marker Board, 4' x 8', w/ map rails and flag holder
1		X	File cabinet, four-drawer, vertical or lateral, lockable
4	X		Tack Board, 4' x 4'
1	X		80"w x 60"h video format screen w/ black masking borders
1	X		Stainless steel sink double bowl sink with goose neck faucet
4		X	Computers
2		X	Printers
1		X	Bookrack, w/shelves, easily accessible to children, and back of shelves covered w/ bulletin board
varies		X	Moveable cabinets/activity centers of various sizes for books and materials
1	X		Mirror, full length
1		X	Bookcase
1		X	Pencil sharpener, electric
		X	Various specialized equipment for sensory lab
1	X		Refrigerator, residential (Dual Diagnosed classroom only)
1	X		Microwave (Dual Diagnosed classroom only)
1	X		Dishwasher (Dual Diagnosed classroom only)
1	X		Multimedia cabinet (refer to General Considerations)
1	X		Workstation (refer to General Considerations) (not needed in Sensory Lab – teacher connectivity only)
1		X	DVD/VCR Combo
1		X	Document Camera
1		X	Wireless Laptop Cart
1		X	LCD Projector
1	X	X	Sound Field Enhancement System
1	X		Linen Cabinet in the restroom
	X		Built-ins (refer to special considerations)

B. Resource Room

No. of Items	Contractor Provided	District Provided (FF&E)	Description
varies		X	Student Desks
varies		X	Student chair, adjustable
1		X	File cabinet, four-drawer, vertical or lateral, lockable
1		X	Teacher Computer & Printer
1		X	Table, round, adjustable
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'
2-4		X	Computer Table
2-4		X	Computer
1		X	Printer
1		X	Pencil Sharpener, electric
		X	Various specialized equipment for K-12 Transition
1	X		Clock
1	X	X	LCD Projector
1	X		80"w x 60"h Video format screen with black masking borders
1		X	DVD/VCR Combo
1		X	Document Camera
	X		Multimedia cabinet with teacher station conductivity
1	X	X	Sound Field Enhancement
	X		Built-ins (refer to special considerations)

C. Supplementary Instruction Room & Office /Testing

No. of Items	Contractor Provided	District Provided (FF&E)	Description
4		X	Student chair, adjustable
1		X	Teacher desk and chair
1		X	File cabinet, four-drawer, vertical or lateral, lockable
1		X	Teacher Computer & Printer
1		X	Table, round, adjustable
4		X	Computer desk with wire management
varies	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
1	X		Tack Board, 4' x 4'
1	X		80"w x 60"h Video format screen with black masking borders
4		X	Computer
1		X	Printer
1		X	Pencil Sharpener, electric
1	X		Clock
1	X	X	LCD Projector
	X		Multimedia cabinet with teacher station connectivity
1	X	X	Sound Field Enhancement

Exceptional Student Education

D. ESE Restroom/Changing Room

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

E. Laboratory

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 (HW) & garbage disposal
1	X		Refrigerator
1	X		Dishwasher
1	X		Washer
1	X		Dryer
1	X		Hooded stove & oven with timer
1	X		Microwave oven
4		X	Computer table
4		X	Computers
2		X	Printers
1		X	Computer and printer for teacher
1	X		Marker Board, 4' x 8', with map rails and flag holder
3	X		Tack Board, 4' x 4'
1	X		80"w x 60"h video format screen with black masking borders
1		X	Pencil sharpener, electric
1	X		Clock
1	X		Multimedia Cabinet (refer to general considerations)
1	X		Workstation (refer to general considerations)
1		X	DVD/VCR combo
1		X	Document camera
1		X	Wireless laptop cart
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement
	X		Built-ins (refer to special considerations)

Note: All appliances must meet ADA compliance.

F. PT/OT Lab

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Mat Table
varies		X	Specialty Equipment
2		X	File Cabinets, large lateral
1-3		X	Table, trapezoid or round
1			Marker Board 4' X 8'
2	X		Tack Board, 4' x 4'
6		X	Computers
3		X	Printers
1	X		Stainless steel double bowl sink with goose neck faucet
	X		Built-ins (refer to special considerations)

G. Seclusion Room

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

H. Observation Room

No. of Items	Contractor Provided	District Provided (FF&E)	Description
2		X	Teacher Desk
2		X	Chair
	X		Video camera located at the door between the observation room & seclusion room. Monitor to be located in the Administrative Area.

I. ESE Pre-Kindergarten

No. of Items	Contractor Provided	District Provided (FF&E)	Description
4-6		X	Table, trapezoidal or round table
1		X	Table, kidney or horseshoe
2		X	Table, rectangular
20-30		X	Chair, stackable 12"-14"
1		X	Teacher desk/workstation with chair
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Bulletin board, movable
1		X	Serving cart, portable
1		X	Learning stations
1		X	Adjustable easel with tray
1		X	Pencil sharpener, electric
1		X	Set of child-size housekeeping furniture, various pieces

**DRAFT Scheduled for September 19, 2007 Board Meeting
Original Approved March 16, 2005**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Mirror, full-length
1		X	Walking beam
1		X	Set of indoor hollow blocks, eight-pieces each set
1		X	Set of tools
1		X	Set of wooden blocks
1		X	Movable cabinet, 4'H x 4'W x 18"D, with several drawers
3		X	Movable cabinet, 3'H x 3'W x 18"D, of various compartments and sizes
1		X	Portable counter top, open shelf unit, with two adjustable shelves
1		X	Area rug, 10'W x 12'L
2		X	Computers
1		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	Book rack, with shelves, easily accessible to children, and back of the shelves covered with bulletin board
1	X		Parent Message Board (outside door)
1		X	Bookcase
1	X		Clock
1	X		Stainless steel sink double bowl with goose neck faucet and ADA water jet drinking fountain.
1	X		Art Activity Sink (located away from sink with bubbler)
1	X		Multimedia cabinet (refer to General Consideration)
1	X		Workstation (refer to General Consideration)
1		X	DVD/VCR Combo
1		X	Document Camera
1		X	Wireless Laptop cart
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement
	X		Built-ins (refer to special considerations)
	X		Changing Table with stairs and drawers/cabinet
	X		Linen Cabinet in the ESE Pre-Kindergarten restroom

J. Shared Kitchen & Laundry Area – Pre-K Area

No. of Items	Contractor Provided	District Provided (FF&E)	Description
2	X		Microwave oven
3	X		Refrigerator, 22 cu. ft. w/freezer & Icemaker
1	X		Stainless steel, double bowl, sink with separate goose neck faucets (CW)
1	X		Dishwasher
2	X		Washer, residential
2	X		Dryer, residential
1	X		Laundry Tub
	X		Built-ins (refer to special considerations)

Exceptional Student Education

K. Shared Kitchen & Laundry Area –K-12 Area

No. of Items	Contractor Provided	District Provided (FF&E)	Description
2	X		Microwave oven
3	X		Refrigerator, 22 cu. ft. w/freezer & Icemaker
1	X		Stainless steel, double bowl, sink with separate goose neck faucets (CW)
1	X		Dishwasher
2	X		Washer, commercial
2	X		Dryer, commercial
1	X		Laundry Tub
	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 an observation window between the Seclusion Room and the Observation Room.
- H. **Doors** - As required to meet District Standards.
- I. **Plumbing Fixtures/Water** - As required to meet District Standards. Provide sink in OT/PT lab.
- 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. Provide additional outlets for specialized equipment in the K-12 Transition Lab and Sensory Lab.
- 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. Provide drop-off and pick-up area for Pre-K.
- Q. Parking** - As required to meet District Standards. Provide parking for Pre-K.
- R. Built-ins** -
1. **Self Contained & Part-Time**
 - a. Provide cubbyholes (22), 15"H x 15"W x 15"D (clear inside) and no higher than 40" from floor, near classroom entrance.
 - b. Provide base cabinet with lockable doors and adjustable shelves, at the counter. Upper cabinets with lockable doors and adjustable shelves.
 - c. 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.
 - d. Provide metal shelving (3 – 36"w x 18"d x 80"h) in storage.
 - e. Provide Multimedia cabinet and workstation. Refer to General Considerations.
 2. **Pre-Kindergarten**
 - a. Provide cubbyholes (22), 15"H x 15"W x 15"D (clear inside) and no higher than 40" from floor, near classroom entrance.
 - b. Provide base cabinet with sink, lockable doors and adjustable shelves. Upper cabinets with lockable doors and adjustable shelves.
 - c. 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.
 - d. Provide metal shelving (3 – 36"w x 18"d x 80"h) in storage.
 - e. Provide Multimedia cabinet and workstation. Refer to General Considerations.

Exceptional Student Education

3. Resource Rooms

- a. Provide base cabinet with sink and lockable doors and adjustable shelves and upper cabinets with lockable doors and adjustable shelves.
- b. Provide Multimedia cabinet and workstation. Refer to General Considerations.

4. ESE Changing Room

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

5. ESE Department Storage

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

6. Laboratory

- a. Provide storage unit, 12''D x 36''W x 84''H, adjustable shelves.
- b. Provide storage unit (3), 18''D x 36''W x 84''H, 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 36''W x 84''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, 36''D x 12''W x 36''H, over base cabinet
 - (3) Provide closed base cabinet (2), with one drawer each
 - (4) Provide island with scratch resistant cutting surface.
- f. Provide multimedia cabinet and workstation - Refer to General Considerations.

7. Observation Booth

- a. Provide lower lockable cabinets with sink and upper lockable cabinets.

8. PT/OT Lab

- a. Built in staff work/desk counter with Data and electrical connection. Upper cabinets, below counter file drawers.
- b. Provide lower lockable cabinets and open upper cabinets along one wall.
- b. Provide cubicle curtains around mat table and sink.

9. Shared Laundry/Kitchen Room

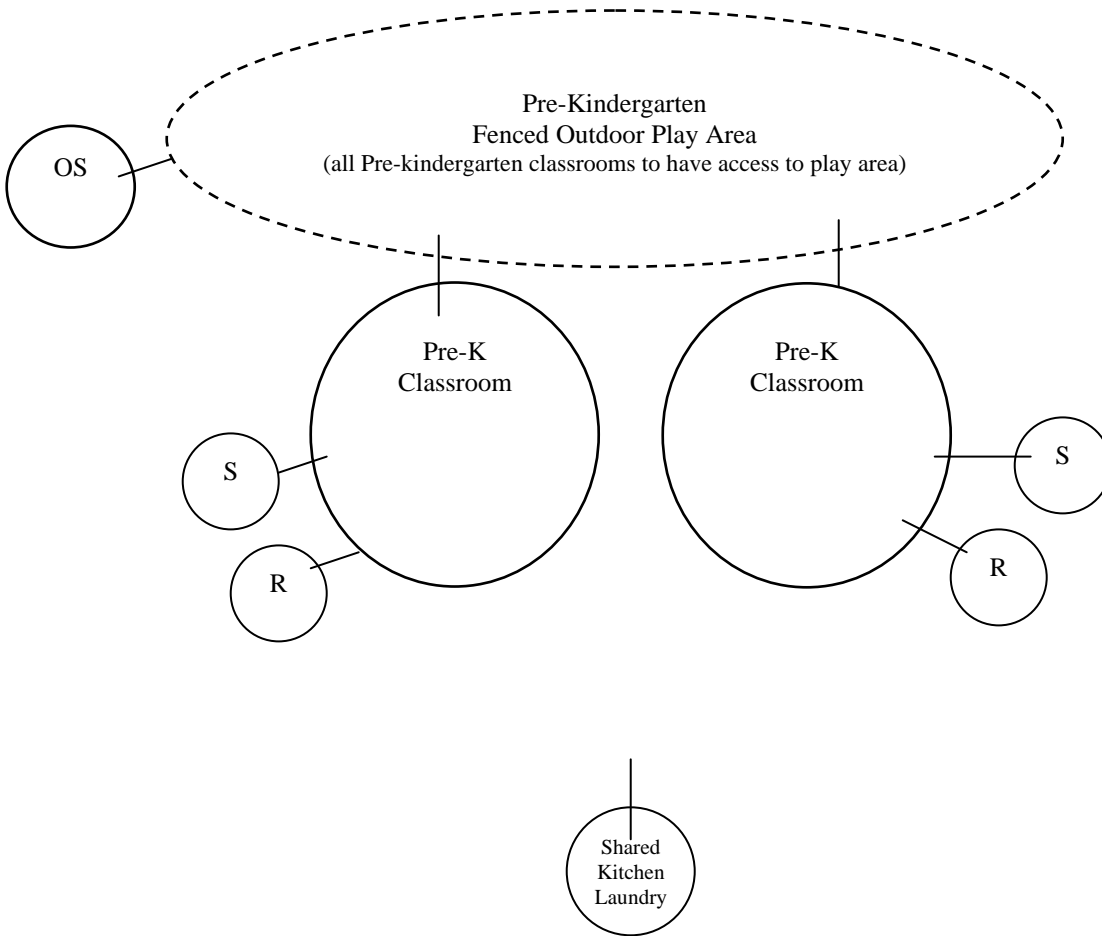
- a. Provide built-in, lockable storage cabinet for laundry supplies (detergent, starch, bleach).
- b. Provide storage space for folded linens with doors and lockable.
- c. Counter top for folding laundry

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.
- 3. Seclusion rooms shall be in complaint with State Board of Education requirements.
- 4. Mat tables (K-12) and/or changing tables (Pre-K) and linen/storage cabinet will be provided in each classroom restroom.
- 5. Provide an 8' wide min. overhang from the classroom to the outdoor play area for the use of outdoor activities for ESE Pre-Kindergarten.
- 6. The architect shall work with District and school staff on the quantity, location and type of hooyer lifts throughout the school center.
- 7. The architect shall work with District and school staff on the quantity and location of wheelchair parking alcoves outside classrooms designed for Profoundly Impaired student throughout the school center.
- 8. The Dual Diagnosed classroom will have a small kitchen set up for the student to use. The kitchen will include a sink, refrigerator, microwave, dishwasher and upper/lower cabinets.

SPATIAL RELATIONSHIPS

Pre-Kindergarten

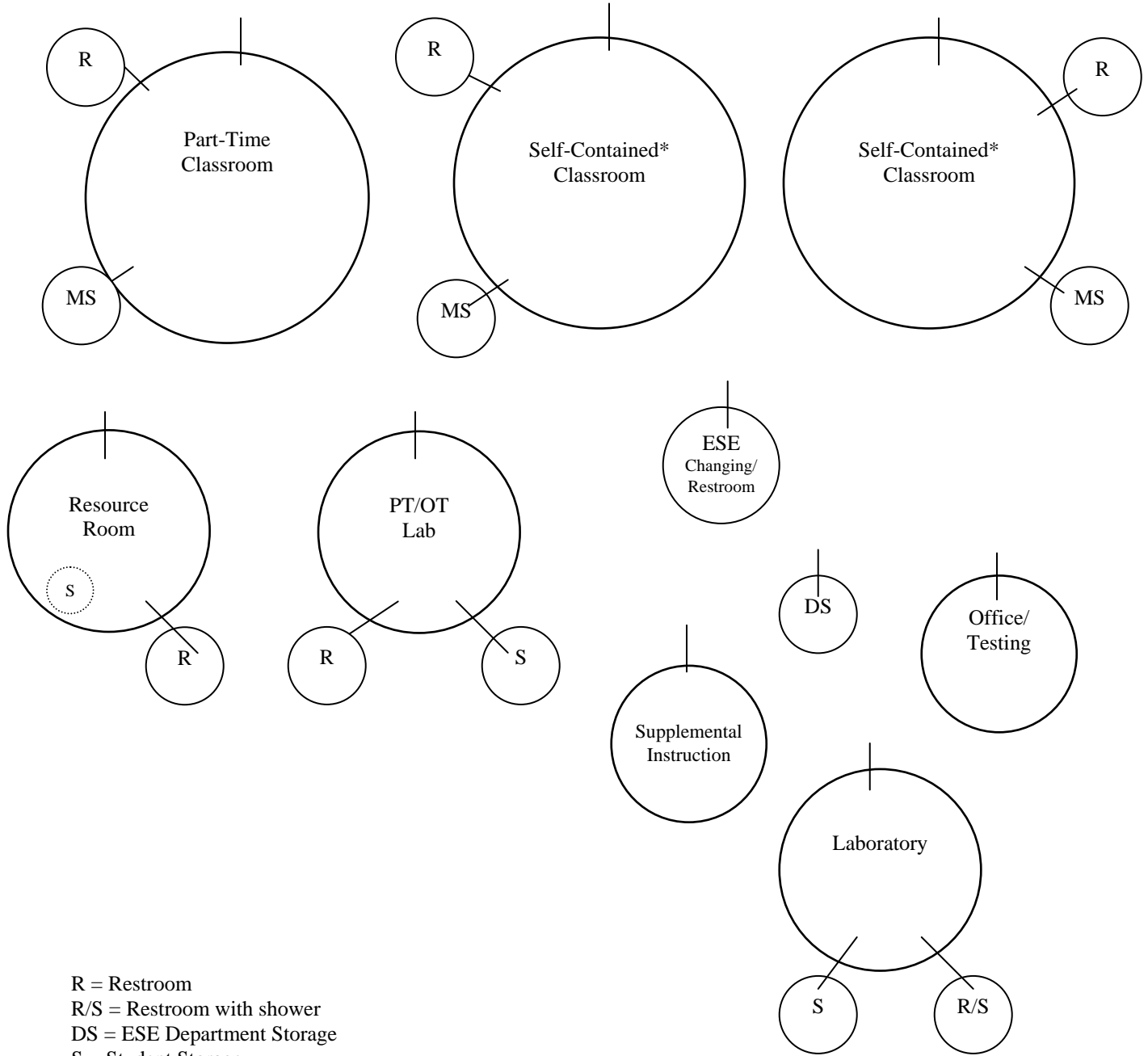


OS = Outside Storage, Pre-Kindergarten
R = Restroom
S = Storage

Contractor provided playground equipment shall be located within the fenced play area.

SPATIAL RELATIONSHIPS

Exceptional Student Education



R = Restroom
R/S = Restroom with shower
DS = ESE Department Storage
S = Student Storage

Not all spaces are shown

Exceptional Student Education

FOOD SERVICES/MULTIPURPOSE

I. PROGRAM PHILOSOPHY

Refer to overall. (Page 1)

II. PROGRAM GOALS

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

III. PROGRAM ACTIVITIES

A. Dining

- 1. Student dining
- 2. Faculty dining

B. Kitchen

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

C. Servery

- 1. Student serving line
- 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

1. Employee restrooms
2. Office

IV. ORGANIZATIONAL NOMENCLATURE

Student Capacity Per Feeding Period: 323

Grade Levels for Which Program is Intended: K-12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

- A. Teacher dining/lounge shall be accessible to kitchen/serving area.
- B. Dining area, will also serve as an auditorium facility, with stage on opposite end from serving area.
- C. Dining area shall be accessible from parking area to facilitate community use.
- D. Consideration shall be given to students entering and exiting the cafeteria to avoid congestion.

VI. JUSTIFICATION FOR VARIANCE FROM SREF REQUIREMENTS

- A. Dining and Multipurpose shall be combined into one space.
- B. Staff dining/lounge shall be 700 NSF making the dining area more adequately sized for staff use.
- C. 150 NSF from dining room to custodial golf cart storage.
- D. The kitchen area shall be 3,600 NSF based upon the prototype kitchen designed by SDPBC School Food Service.
- E. Provide a warming kitchen in the Pre-K area.

VII. PROGRAM FACILITIES LIST

Design Codes	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
FOOD SERVICE/MULTIPURPOSE							
340	1	Dining/Multipurpose (150 NSF to Custodial Golf Cart Storage)			5,178		
341	1	Kitchen (including office and restroom - prototype)			3,600		
348	1	Warming/Satellite Kitchen			200		
349	1	Chair Storage			192		
316	1	Staff Dining/Lounge			700		
819/820		Staff Restrooms (out of allotment)					
815/816		Student Restrooms (out of allotment)					
TOTAL					9,870		

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Student Dining Area

No. of Items	Contractor Provided	District Provided (FF&E)	Description
65		X	Cafeteria table, folding, 29" maximum height
323		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
10		X	Table, round, folding
50		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
	X		Provide serving equipment consisting of the following components: 3-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.

Food Services

C. Employee Restroom/Locker Area

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Full-length mirror.
10	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, equipment and Special Considerations.

IV. 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** - As required to meet District Standards.

- J. Communications** - As required to meet District Standards. Intercom with volume control in office, kitchen and dining areas. TV receiver outlets in dining areas and specifically stage left/right walls, and origination outlet opposite state on a non-service wall. ITV broadcast capability from dining room. Provide microphone outlets: (6) in the cafetorium, (4) on stage.

- 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.

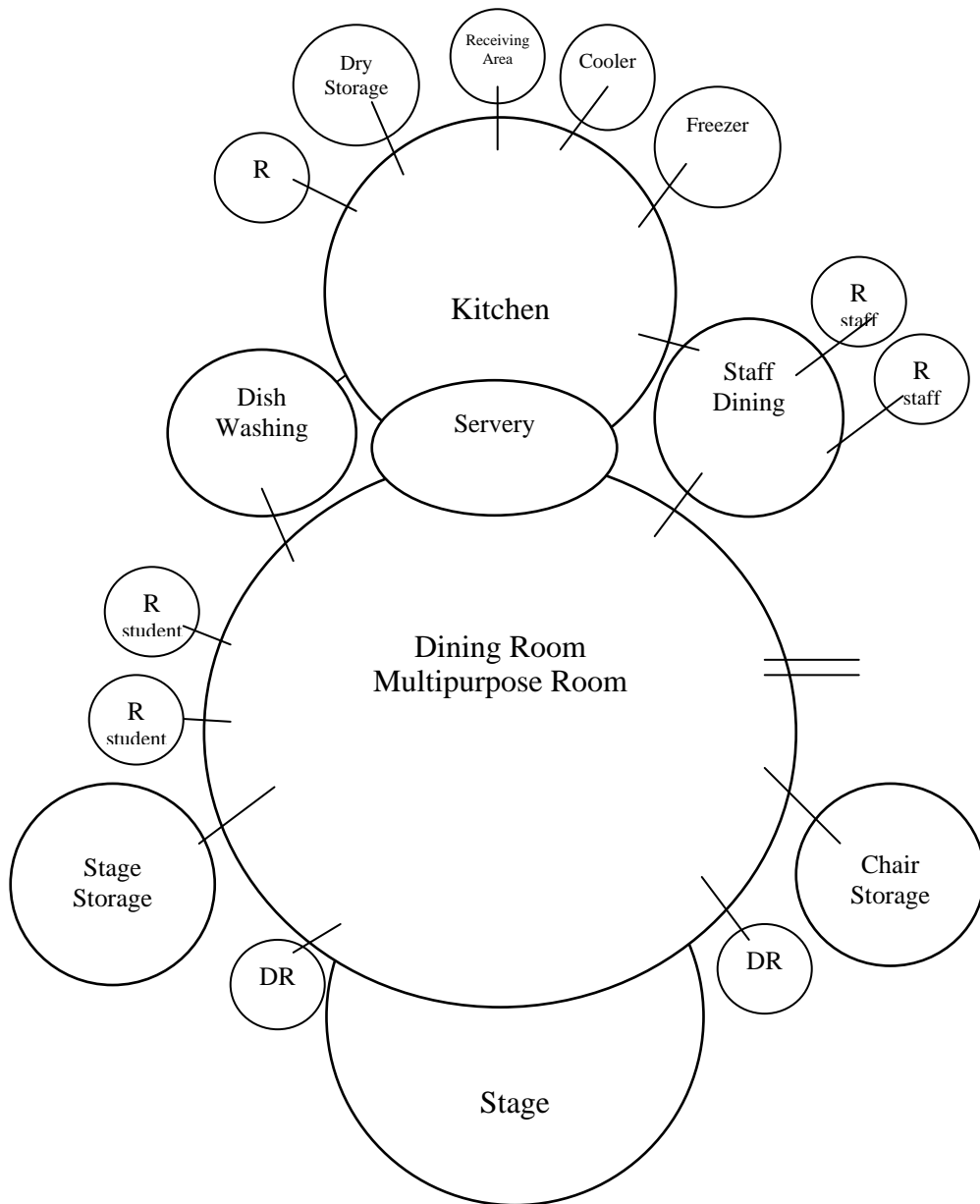
- P. Service Drives** - As required to meet District Standards.

- Q. Parking** - Space (10) for food service employees, satellite vans and delivery vehicles. As required to meet District Standards.

- R. Built-ins** – Provide tack board, 4' x 8' in dining area, 4' x 4' in kitchen preparation area and 4' x 4' in employee locker area.

- S. Other Considerations**
 - 1. Contact Department of Food Service for location of Time Collection Device.
 - 2. Contact the Department of Food Service and school Food Service Manger to determine if specialty equipment, facility layout or design needs to be considered in feeding and serving this medically fragile population.
 - 3. Contact Department of Food Services for the furniture, fixture and equipment and special considerations for the warming/satellite kitchen.

SPATIAL RELATIONSHIPS
Food Services/Multipurpose Room & Stage



R = Restroom
DR = Dressing Room with restroom(s)

LIBRARY MEDIA CENTER

I. PROGRAM PHILOSOPHY

Refer to overall. (Page 1)

II. PROGRAM GOALS

The Library Media Center is an extension of the classroom, and as such, provides services which achieve the following goals:

- A. Access – Ensures and facilitates easy, open access to organized educational media for students, teachers, parents and other in the learning community.
- B. Collection Development - Locate, acquire and disseminate learning materials that are cooperatively selected by the learning community.
- C. Collaboration – Collaborate with members of the learning community for effective utilization of educational media to meet the curriculum standards.
- D. Instruction – Instruct individuals and groups in life long reading, information literacy and technical skills identified for 21st Century learners.

III. PROGRAM ACTIVITIES

The school library media center serves students, teachers, parents 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.

Library Media Center

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, , and self-improvement.
9. Accessing information for individual reports, multimedia projects, letters, and other documents related to educational purposes.
10. Searching, identifying and requesting information or resources from other libraries or information locations through inter-library loan.

B. Activities for School Faculty, Staff and Parents

All eleven 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, The Education Network (TEN), inter-library loan or the Internet for curriculum development.
5. Engaging in distance learning.
6. Using multimedia tools and projection units.
7. Viewing current resources and data for parents.

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.

Library Media Center

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: K-12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

- A. New developments in educational programs, instructional methods and class groupings and the uses of media resources that accompany them, dictate an element of flexibility for the library media program. Physical facilities must have flexible characteristics.
- B. Expanded individual and group use of audio-visual materials and computer equipment.
- C. Available computer retrieval of information from LAN, WAN and on-line services.
- D. Use of library media center for community and after school activities.
- E. Staff and student workshops.
- F. Extended library hours for access by patrons.
- G. Creativity Areas that will provide learning experiences for students and faculty. These institutional units will include the following:
 1. Production of video and audio programs and computer generated materials.
 2. Seminars and forums.
 3. Instruction in the use of on-line access of information.
 4. Development of resource sharing activities.

Library Media Center

VI. JUSTIFICATION FOR VARIANCE FROM SREF REQUIREMENTS

- A. Periodical Storage and Small Group Listening shall be combined with the Reading/Stacks area.
- B. Professional Library, Media Production, and Copying Room shall be combined into one space for flexibility purposes.
- C. AV Storage and Repair, CCTV Storage, and Maintenance/Repair shall be combined to increase the area for large equipment.
- D. Because of location of Library Media Center and current staffing, a restroom shall be accessible to all staff.
- E. Technical processing shall be combined with the Library Media Specialist's office for a total of 350 NSF. Remaining 150 NSF shall be folded into Reading/Stacks.
- F. Add Control Booth (100 NSF) from stage support to the CCTV Studio.
- G. The studio shall be 500 NSF and the control room shall be 275 NSF.
- H. Student Restroom has been added for flexibility purposes and enhancement of supervision of students.

VII. PROGRAM FACILITIES LIST

Design Codes	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
MEDIA CENTER							
380	1	Reading Room/Stacks (to include Periodical Storage & Small Group Listening) (150 NSF from Tech Processing)	2,640		2,790		
382	1	Professional Library/Media Production/Copying Room			656		
383	1	AV Storage/Maintenance and Repair/CCTV Storage			660		
381	1	Library Media Specialist's Office & Technical Processing (combined with Library Media Specialist's office)(150 NSF to Reading/Stacks)			349		
385	1	CCTV Studio - Production and Control (100 NSF from Stage Control Booth)(500 NSF for Studio & 275 NSF for Control)	672		772		
821		Staff Restroom - M/F (out of allotment)					
814		Student Restroom - M/F (out of allotment)					
TOTAL					5,227		

Library Media Center

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Reading Room

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Circulation desk with book drop
		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
1		X	Desk chair
1		X	Reference table, 30"W x 72"L
4		X	Book truck
1		X	Atlas stand, with shelves
1		X	Dictionary stand, portable
4		X	Automated library catalogue (workstations - 4)
1		X	Newspaper stand
3		X	Pencil sharpener, electric
1		X	Lounge furniture including sofas, chairs, tables to accommodate four to six people
10-20		X	Table, round or square, FACBC accessible
100-120		X	Chair, 18"
4		X	Access network computer, all with computer tables, chairs, printer, no carrels
1		X	Closed circuit TV security system
1		X	Amplifier system with microphone plugs
1		X	Mobile Multimedia cart
1	X		Water cooler; no electric eye drinking fountain
1	X		Recessed, built-in display cabinet (6'W x 4'H)
3	X		Tack Board, 4' x 8'
1	X		Video Format Screen with black masking borders, 8'w x 6'h, minimum size, wall or ceiling mounted after stacks are placed
1	X	X	Library detection & security system (refer to special considerations)
1		X	Radio frequency inventory system
1	X		Multimedia cabinet with teacher station connectivity (refer to General Considerations)
1	X	X	LCD Projector
1	X		Clock
	X		Built-ins (refer to special considerations)

B. Stack Area Shelving - District Provided

To accommodate (9,700 volumes). Utilize 60"H shelving on perimeter, as much as possible. Free-standing shelving shall not exceed 42". All shelving shall be adjustable and have backing. Shelving shall be standardized so that inserts for periodical shelves can be moved. 775' lineal of 10" shelving for regular books, 225' lineal of 12" shelving for picture books, 200' lineal of 15" heavy duty shelving for reference books and 190' lineal of 12" shelving is required for kits. Shelving shall be accompanied by readily usable bookends. Light-weight, plastic coated, wire

Library Media Center

shelving is not acceptable. Picture book shelving includes adjustable vertical supports.

C. Professional Library (folded into Media Production)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
2		X	Lounge furniture - combination of chairs and tables to accommodate four people
8		X	Chair
1		X	Public access workstation, network access
2		X	Computer, printer, on-line access
	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
1		X	Pencil sharpener, electric
3		X	Photocopier
1		X	Laminator
1		X	Public access workstation
1		X	Computer, printer, flat bed scanner, and color printer
1	X		Single sink with goose neck faucet (CW/HW)
3	X		Tack board, 4' x 4'
1	X		80"w x 60"h video format screen with black masking borders
1	X		Clock
	X		Built-ins (refer to special considerations)

E. AV Storage/Maintenance Repair/CCTV Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
		X	Storage/Display rack system for hanging books in bags
4		X	27" data monitor/TV and AV input
1		X	DVD Player
4		X	VCR
4		X	54" carts with 8" wheels and locks
10		X	CD/cassette tape recorder
6		X	Language master
10		X	Jack box
48		X	Headset for jack box (10)
1		X	Overhead projector (traveling)
2		X	Overhead projector, with lamp changer, 4,000 lumens and cart
1		X	Slide projector
2		X	Portable sound system, with microphone and lectern
1		X	Opaque projector (optional)

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
3		X	Tripod screen, 60" x 60"
1		X	Laminator
1		X	Camcorder, with battery pack and charger
2		X	Tripod for camcorder
1		X	Projection unit, digital/video
1		X	35 mm camera, (inexpensive instamatic)
1		X	Digital camera with disk storage
1		X	Poster maker
1		X	Ellison or AccuCut machine (large and small letters)
1		X	Copy stand (optional)
1		X	Video projector
2		X	AV cart, 42"
2		X	AV cart, 37"
1		X	Scanner for computer
1		X	Color printer
1		X	Typewriter
1		X	Laptop computer with presentation stand
4		X	Computer workstation for automated circulation system
10		X	Computer for access to Internet with internal DVD
1		X	Presenter to attach computer to TV
1		X	SMART white board
2		X	TV/VCR combo for learning centers
1		X	Computer & printer for ITSA
1		X	Computer desk for ITSA
2-4		X	Computer Workstation/Desk for computer repair
	X		Built-ins (refer to special considerations)

F. Library Media Specialist/Technical Processing

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Work station/chair
2		X	Guest chairs
1		X	Computer & printer - color
1		X	Technical processing workstation, automated library - media management server and workstation, printer, chair, secretarial
2		X	Computer for administration of automated circulation system with CDR
1		X	Bookcase
1		X	Binder, automatic
1-3		X	File cabinet, four-drawer, legal, lateral, lockable
2		X	Book truck, double-faced
4		X	Chair
4		X	Stapler, electric
1		X	Punch, 3 – hole, electric
1		X	Stapler, heavy-duty, long arm
1		X	Pencil sharpener, electric
1		X	Calculator
1	X		Computer table as part of built-in

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Original Approved March 16, 2005**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Workstation with secretarial chair for clerk
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
	X		Built-ins (refer to special considerations)

G. Closed - Circuit Television - (CCTV)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
2		X	Camcorder
2		X	VCR
1		X	VD Pro
1		X	Pro Audio Mixer
1		X	Handheld Microphone
1		X	Stand Adapter
1		X	Desk Mic Stands
2		X	Wired Lav Mics
1		X	Tripod with Head
1		X	Tripod with Head and Dolly
2		X	Monitor
1		X	Monitor/Receiver
1		X	Character Generator
1		X	Monitor
1		X	Applied Magic Editing Package
1		X	Intercom System
1		X	CD/Cassette
1		X	Player
1		X	Cables
1	X		Double Scrim Curtain Tract and curtain (refer to special considerations)
1	X		Clock (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)

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. TV production studio and control room shall be soundproof.

Library Media Center

- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards. **Provide a cyclorama wall in the CCTV Studio (opposite wall of control room); 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 raked 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. **Plumbing Fixtures / Water** – As required to meet District Standards.
- J. **Communications** - As required to meet District Standards
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 shall 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

Library Media Center

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.
 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, principal's office, main sporting field and courtyards.
 8. Provide physical and intellectual access to information in native languages.
- 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 detection system, security cameras system and automated circulation procedures. Do not locate outlets on cyclorama wall in the CCTV Studio.
- 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. Provide parking near library media center for after hours community use.
- R. Built-ins** - Cabinetry shall have locks.

Library Media Center

1. **Reading/Stacks**

- a. Provide Multimedia cabinet – refer to General Considerations.

2. **Professional Library**

- a. Provide base cabinet, on one wall, with shelving above.
- b. Provide counter for computers (4) and printer (2) with grommets for wire management.

3. **Media Production and Copy Room**

- a. Provide base cabinet with doors, on the long wall, with open shelves above, containing single, stainless steel, sink.
- b. Work counter, 29", above finished floor, for computers and printer, along one wall with grommets for wire management.
- c. Provide island base cabinet, 34"h, with electrical and data outlets at both ends and center, and open for large paper and board storage, in center of room.
- d. Provide paper storage cabinet, adjacent to large copier. Copier shall be located so it can be pulled away from wall for servicing.

4. **AV Storage/Maintenance Repair**

- a. Provide base cabinet with doors, front disabled accessible with stainless steel sink and cabinets above with doors, lockable.
- b. Provide adjustable metal AV shelving along perimeter and center area of storage room, covering approximately 50% of room.
- c. Provide pegboard, 4"H x 8"L, on one wall.

5. **Library Media Specialist's Office**

- a. Provide wall of base cabinets with doors, with open shelving above.

6. **Technical Processing (folded into Library Specialist's office)**

- a. Provide base cabinet with doors, along entire length of long wall, with stainless steel sink, cabinets with drawers of various depths and open shelves above.

- b. Provide shelving for up to (200) books.
- c. Provide six drawers, 30"W, for poster storage.
- d. Counter no less than 30"D.
- e. Provide adjustable shelving, 18"D.

7. **CCTV Production**

- a. Request CCTV information from the SDPBC Department of Program Management and ITV.
 - (1) Provide double scrim, curtain tract around one-half of production studio, opposite control room, ceiling mounted, at least 14" from walls.
 - (2) Provide pipe rail grid for production studio lighting; room lighting.
 - (3) CCTV Control Room
 - (a) Provide base cabinet, 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.
 - (b) Opposite wall, provide open base cabinets, with one adjustable shelf, work surface counter top and open shelving above.
 - (c) Provide pegboard, on full wall, opposite door.
 - (d) Provide and install two PVC conduit openings, 4" in diameter, at floor level, between production studio and control room to allow pass through for cables.
 - (e) Provide shelves above counter for video/cd storage

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 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

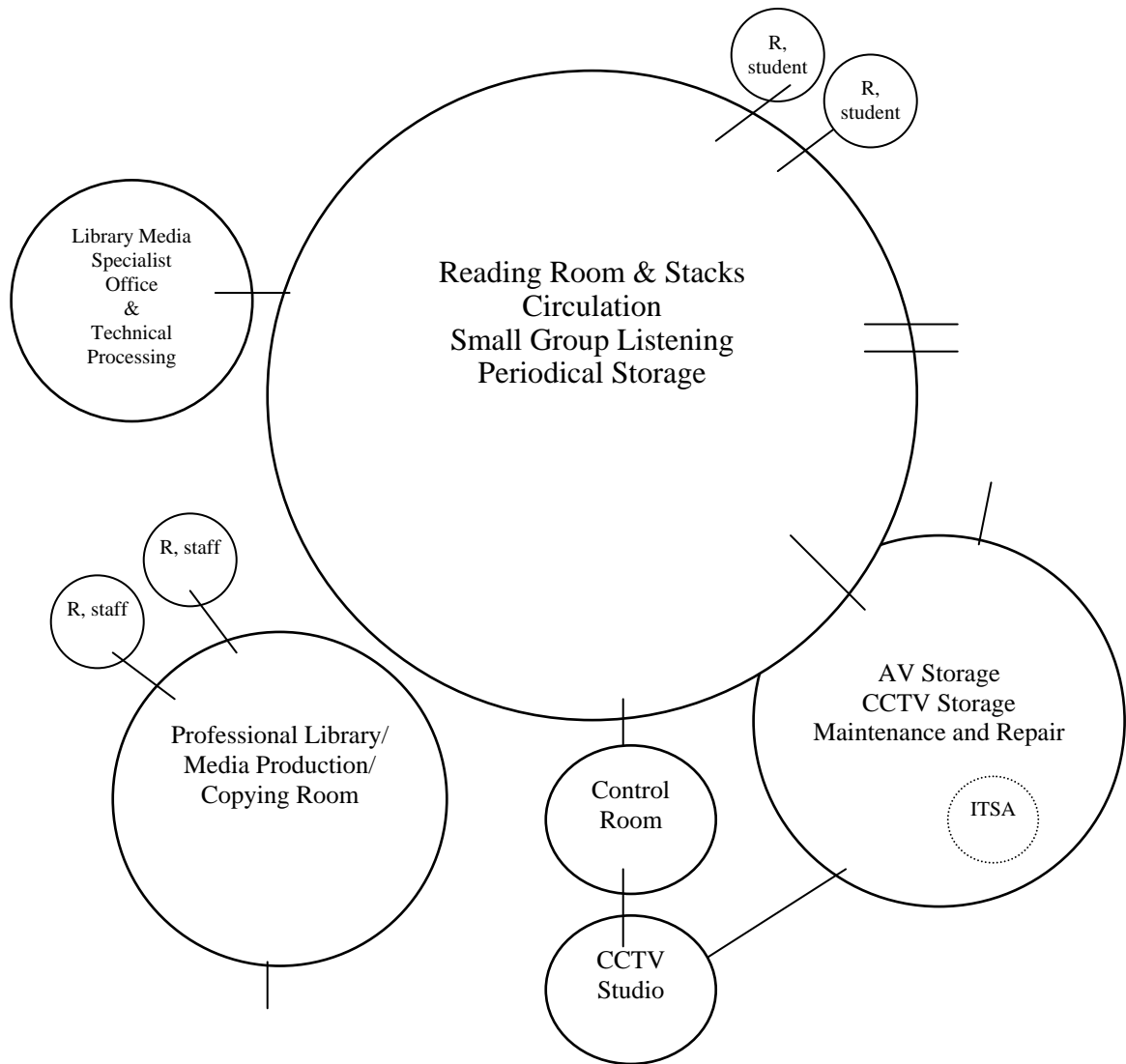
Library Media Center

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. Adjacent to library media center entrance, provide built-in display case with controlled light and tackable backboard, lockable storage base, safety glass.
4. Circulation desk shall be located near entrance with visibility to entire reading room.
5. Walking area in CCTV control room shall be at least 5' wide from wall to counter.
6. Provide electric, data and phone in CCTV storage for ITSA.
7. **Architect shall contact TEN to determine the design and equipment for CCTV studio.**

SPATIAL RELATIONSHIPS

Library Media Center



R = Restroom, staff

Library Media Center

MUSIC

I. PROGRAM PHILOSOPHY

Refer to overall. (Page 1)

II. PROGRAM GOALS

The elementary school music program is planned to provide opportunities for children to participate in many different types of musical activities such as singing, dancing (movement) and playing of instruments through which they can discover their musical interests and develop their potentialities.

III. PROGRAM ACTIVITIES

Staff activities will include small and large group instruction in rhythmic activities, music reading skills, music listening skills in appreciation and interpretation, and units of student endeavors in vocal and instrumental activities.

Student activities will include small and large group involvement in listening to music for appreciation and interpretation; vocal and instrumental participation in creating music; and the composition of contemporary and traditional music.

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio: varies

Grade Levels for Which Program is Intended: K-12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

A. This facility is planned for the music room and for special activities during the elementary school day and for community activities after the regular school day.

VI. JUSTIFICATION FOR VARIANCE FROM SREF REQUIREMENTS

A. Restroom has been added for flexibility purposes and enhancement of supervision of students.

B. The music classroom shall include an area for electric keyboard laboratory.

C. Music classroom square footage has been increased to accommodate program needs.

VII. PROGRAM FACILITIES LIST

Design Codes	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
MUSIC							
055	1	Music Classroom			1,200		
808	1	Material Storage/Reference Room			200		
814	1	Student Restroom - M/F			85		
TOTAL					1,485		

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Music Laboratory

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Teacher Computer & Printer
2		X	Chair
1		X	Bookcase, adjustable, 10"D shelving
1		X	Stereo/record player, with head set (10)
1		X	Stereo/cassette recorder / player
1		X	Piano
20		X	Chair, stackable
5		X	Choral risers, portable
4		X	Computer
2		X	Printer
1	X		Single sink with goose neck faucet (HW)
2	X		Marker Board, 4' x 8', with map rails and flag holder.
2	X		Marker Board, 4' x 8', with staff lines
4	X		Tack Board, 4' x 4
1	X		80"w x 60"h video format screen with black masking borders
1		X	Pencil sharpener, electric
1	X		Clock
1	X	X	Sound system (refer to special considerations)
1	X		Speakers built into classrooms that can be utilized with or without recording room equipment (refer to special considerations)
1	X		Multimedia cabinet (refer to General Considerations)
1	X		Workstation (refer to General Considerations)
1		X	Document camera
1		X	DVD/VCR Combo
1		X	Wireless Laptop cart
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement System
10		X	Keyboard, electric
	X		Built-ins (refer to special considerations)

A variety of musical and rhythm instruments will be designated when school is constructed.

Music

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. Special consideration shall be given for better sound control.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards. Provide one wall in practice room with mirrors. Provide one wall with mirrors and dance bar in music room.
- E. **Ceiling** - As required to meet District Standards. Special consideration shall be given for better sound control.
- F. **Lighting** - As required to meet District Standards.
- G. **Windows** - As required to meet District Standards. Provide view windows into classrooms and practice areas.
- 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. 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.
- Q. **Parking** - As required to meet District Standards.

Music

R. Built-ins - Cabinetry shall have locks.

1. **Laboratory**

- a. Provide cabinet with doors (2), 6'L x 24"D, floor-to-ceiling with adjustable shelving.
- b. Provide base cabinet with doors and adjustable shelves with sink, minimum, 5'L, adjustable shelves and book / record storage, above cabinet with doors and adjustable shelves.
- c. 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
- d. Provide Multimedia cabinet and workstation - refer to General Considerations.

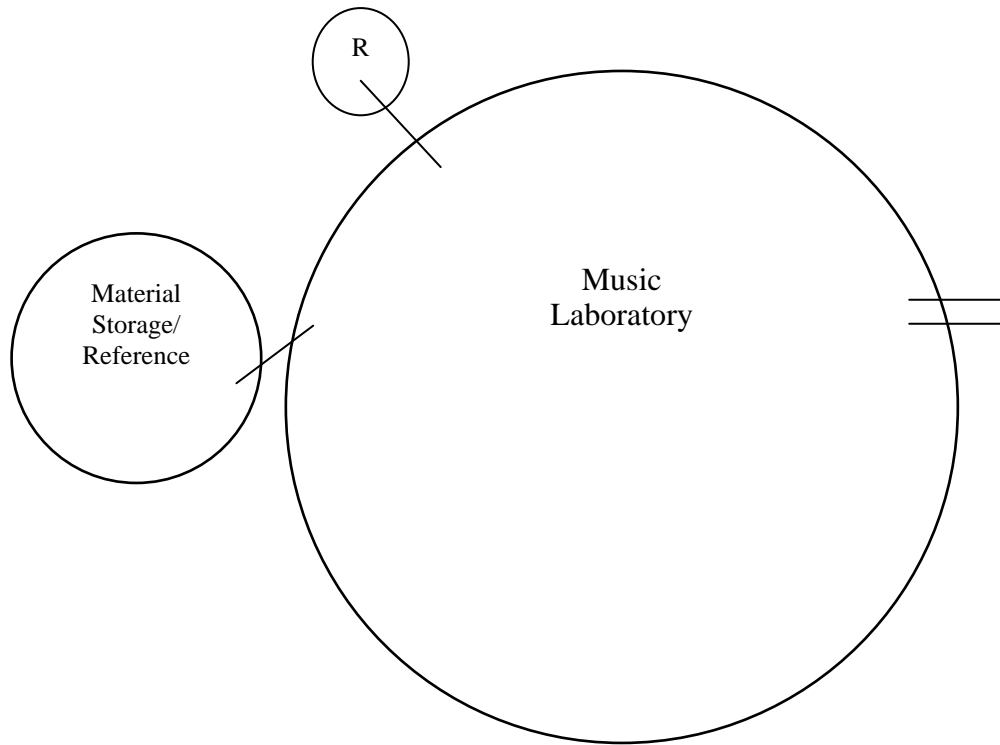
2. **Material Storage/Reference**– Provide shelving for storage of musical instruments to store instruments of various sizes, i.e., flute, drums. Provide base cabinet with doors and adjustable shelves, lockable, minimum 5' L, open shelving above. Provide electric, data and phone in material storage/reference.

3. **School Display/Exhibition** - Provide recessed display cabinet (6'W x 4'H) in hallway near music room.

S. Other Considerations – Versatility is essential to this music facility.

SPATIAL RELATIONSHIPS

Music



R = Restroom

Music

PHYSICAL EDUCATION

I. PROGRAM PHILOSOPHY

Refer to overall. (Page 1)

II. PROGRAM GOALS

- A. Optimum fitness development.
- B. Adaptive physical education activities
- C. Acceptable social behavior, emotional stability and self-control.
- D. Acquisition of activities for lifelong fitness.
- E. Awareness of safety concepts and application in the environment.
- F. Exposure and awareness of the benefits of regular and systematic exercise; game rules; activity organization; ethnic and cultural activities; equipment and equipment quality, care and use.
- G. Recreation skills development

III. PROGRAM ACTIVITIES

- A. Fitness components.
- B. Fundamental motor skills (includes movement exploration and expression).
- C. Fine and gross motor skills enhancement
- D. Ball-handling skills.
- E. Rhythms and dance activities.
- F. Educational gymnastics (includes body mechanics, posture, self-testing activities).
- G. Individual and group play

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio: varies

Grade Levels for Which Program is Intended: K-12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

N/A

VI. JUSTIFICATION FOR VARIANCE FROM SREF REQUIREMENTS

- A. Teacher Planning shall be located with P.E. Storage at the covered play area.
- B. Restrooms, student and staff, shall be located at the covered play area.

VII. PROGRAM FACILITIES LIST

Design Codes	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
PHYSICAL EDUCATION							
811	1	Outside Storage at Covered Patio & Play Area for Pre-K			400		
014	1	Covered Play Area (K-12)			3,000		
811	1	Outside Storage at Covered Play Area for K-12			400		
315	1	Teacher Planning at K-12 Covered Play Area			100		
071	1	Therapy Pool (doesn't include circulation sf)			1,000		
090/091	2	Dressing Rooms		383	766		
092/093	2	Lockers		64	128		
094/095	2	Showers		64	128		
096/097	2	Drying		64	128		
110	1	PE Multipurpose			2,700		
098	1	PE Storage at PE Multipurpose			150		
821		Staff Restroom - M/F (from allotment)					
815/816		Student Restroom - M/F (out of allotment)					
TOTAL					8,898		0

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Outside Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
4		X	Tumbling mat, 4' x 6', Primary
4		X	Tumbling mat, 4' x 6', Intermediate
1		X	Mat truck, Primary
1		X	Mat truck, Intermediate
2		X	Balance beam (low), Primary
2		X	Balance beam (low), Intermediate
1		X	Teaching Cart
1		X	Skills Equipment
1		X	Portable Dry Erase Board
1		X	Wireless microphone with portable amplifier
1		X	Portable cart with TV and VCR
	X		Built-ins (refer to special considerations)

A variety of physical education equipment items and instructional materials will be designated when school is constructed.

Physical Education

B. Outdoor Play Area For Pre-Kindergarten

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Triple arch climbers
1		X	Permanently installed walking beams
1		X	Set of horizontal bars, 3'H
1		X	Large barrel set in concrete
1		X	Slide, 4'H
2		X	Sandbox (2), with hinged cover, approximately, 10' x 10' with seat around edge made of treated wood
		X	Tricycle
		X	Wagon
		X	Truck
		X	Tractor
		X	Scooter
		X	Various Outside Toys
1		X	Convertible water/sand table
1	X		Circular concrete track for Motor Skills
1	X		Outside storage, lockable area for large play equipment
1	X		Sink with goose neck faucet (CW) and ADA water jet drinking fountain.
1		X	Outdoor Tables/Chairs
1	X		Playground Equipment

C. Therapy Pool

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Pool, varied shallow depths, with attached therapeutic hot tub
	X		Built-ins (refer to special considerations)

D. Teacher Planning

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Teacher Desk and Chair
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Teacher Computer & Printer
1	X		Tack Board, 3' x 4'
1	X		Clock
	X		Built-ins (refer to special considerations)

E. Multipurpose

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Glass lexon basketball backboard (1), with break-away rims, forward swing, main court
2	X		Fiberglass basketball backboard (2), forward swing, side, cross court. 8' Height
3	X		Each backboard (3) is to be raised and lowered electrically and shall retract away from bleachers.
	X		Bleachers on one wall, electric
4	X		Chin-up bar, adjustable, wall-mounted (staff to locate with architect/ contractor)
2		X	Portable Video Format Screen with black masking borders
1		X	Projector
2	X		Tack Board, 4' x 4'
1	X		Clock
1	X		Floor cover for gym floor if school is a shelter
	X		Built-ins (refer to special considerations)

F. PE Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
4		X	Tumbling mat, 4' x 6', Primary
4		X	Tumbling mat, 4' x 6', Intermediate
1		X	Mat truck, Primary
1		X	Mat truck, Intermediate
2		X	Balance beam (low), Primary
2		X	Balance beam (low), Intermediate
1		X	Teaching Cart
1		X	Skills Equipment
1		X	Portable Dry Erase Board
1		X	Wireless microphone with portable amplifier
1		X	Portable cart with TV and VCR
	X		Built-ins (refer to special considerations)

G. Outdoor Play Equipment

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		K-2 Playground Equipment (refer to Special Considerations)
1	X		3-5 Playground Equipment (refer to Special Considerations)
	X		Volleyball, tennis & basket nets and standards

H. Locker Room (per)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
10	X		Oversized size lockers
	X		Stainless steel mirror in each locker room
	X		Security mirrors
	X		Towel hooks
1	X		Tack board, 4' x6'
1	X		Clock
	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. Multipurpose floor to be marked with regulation half court basketball lines to recognize school colors.
- D. **Walls** - As required to meet District Standards. Mirrored wall in Multipurpose.
- E. **Ceiling** - As required to meet District Standards. Covered play area, 14'-20'h, clear with no sharp objects in ceiling.
- F. **Lighting** - As required to meet District Standards.
- G. **Windows** - As required to meet District Standards. Provide window, in teacher planning, to overlook playground. Windows shall be low enough for visibility when seated. No window in equipment storage.
- H. **Doors** - As required to meet District Standards. Provide pair of doors, no mullion, to accommodate equipment and carts in PE storage and Multipurpose.
- I. **Plumbing Fixtures/Water** - As required to meet District Standards. Drinking fountain shall be located at play courts, fields and covered play area; no electric eye drinking fountain.
- J. **Communications** – As required to meet District Standards. Wall clock (2) located in multipurpose and locker rooms. Provide P.A. system speakers on exterior wall of Physical Education Building and inside multipurpose with microphone jacks.

- K. **Electrical** - As required to meet District Standards. Provide electrical outlets in the covered play area.
- 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. Provide a 6' fence around the perimeter of the play courts, fields and covered play area. Separate from the fence around the school building. Provide fence around kindergarten play area.
- P. **Service Drives** - As required to meet District Standards.
- Q. **Parking** - As required to meet District Standards. Locate play courts and fields near parking.
- R. **Built-ins** -
 - 1. **Teacher Planning** - Provide base cabinet with doors and adjustable shelves, lockable, minimum 5' L, open shelving above.
 - 2. **Storage Area**
 - a. Provide cabinets (2), floor-to-ceiling, lockable (one key), adjustable shelving on opposite walls, 36"D. Shelves to hold up to 200 lbs.
 - b. Provide hooks to hang equipment: jump ropes and hurdles, up to 100 lbs.
 - c. Provide metal, adjustable shelves, with rim on open edges, to keep balls from rolling out.
 - 3. **Multipurpose** – Provide collapsible bleachers, located on one 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.

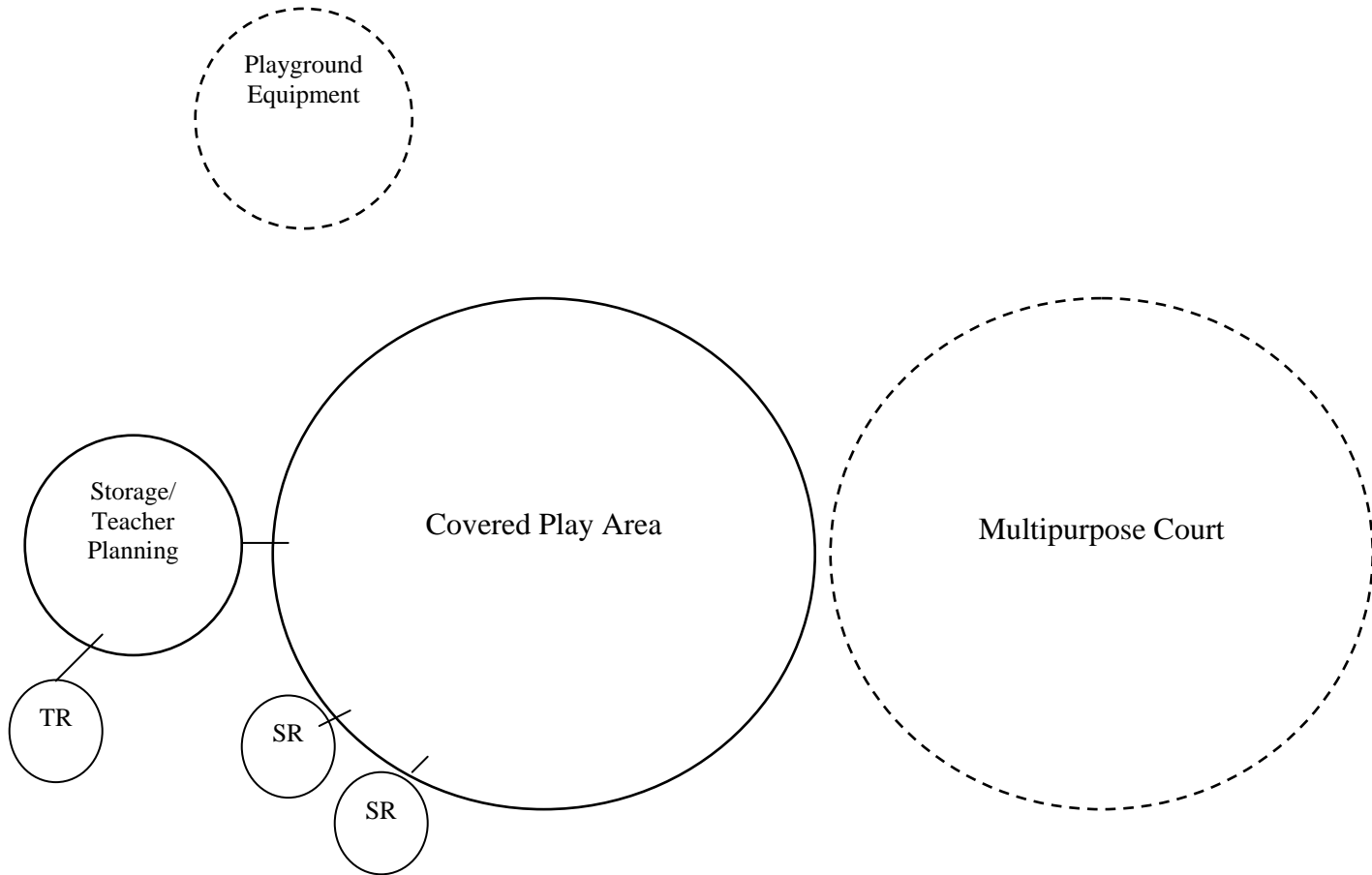
4. **Locker Room** - Lockers shall be installed to insure that maximum utilization of room space is made. Locate as many lockers as possible on the walls of the locker rooms. Any and all rows shall be designed so that the instructors will have an unobstructed view of the lockers and dressing areas. Provide benches in front of lockers.

S. Other Considerations

1. One, all-purpose, hard surface (asphalt), playing area, with appropriate court markings for other games including volleyball and basketball with 8' goals and 10' goals. All courts shall have proper drainage. Sleeves shall be installed in the court with covers for placement of volleyball standards. Refer to manual, Elementary School Playcourts, provided by the SDPBC Department of Program Management.
2. Provide one softball field with backstop. Softball field shall have home plates, back-to-back. Softball field shall have a bahia grass outfield and infield.
3. Provide one open field/soccer field with bahia grass.
4. Water and restrooms shall be easily accessible to play courts and fields; no electric eye drinking fountain.
5. Court and play areas shall not be located adjacent to noise generating air-conditioning units.
6. Provide playground equipment for Pre-K to 12 with poured in place rubberized surface for all schools. Schools going under modernization shall have the playground equipment evaluated and replaced as needed. Playground equipment and poured in place must meet FACBC, SDPBC Risk Management, SDPBC Maintenance Plant Operations and SDPBC Building Department standards.
7. Playground equipment shall be located away from covered play area and all-purpose court.
8. Contractor shall provide all volleyball nets, tennis nets, basketball nets, etc. and standards.
9. Provide heart trail with wheelchair accessibility.

SPATIAL RELATIONSHIPS

Physical Education



TR = Teacher Restroom
SR = Student Restroom

Contractor to provide playground equipment (fenced separately)

Physical Education

RESOURCE ROOM

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 and enrichment curriculum areas.

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio: 1:15

Grade Levels for Which Program is Intended: K - 12

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

VI. JUSTIFICATION FOR VARIANCE FROM SREF REQUIREMENTS - N/A

- A. Material storage shall be folded into the classroom space.
- B. Restrooms have been added to resource rooms for flexibility purposes and enhancement of supervision of students.
- C. One Resource Room shall be used for a Parent Resource Center.
- D. One Resource Room shall be used for speech/language.

VII. PROGRAM FACILITIES LIST

Design Codes	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
RESOURCE							
040	2	Resource Room with storage folded into room		599	1,198		
815/816	2	Student Restrooms (out of allotment)					
		TOTAL			1,198		0

Resource Room

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Resource Room

No. of Items	Contractor Provided	District Provided (FF&E)	Description
15		X	Student desk & chair, adjustable
2-4		X	Computer table
1		X	Teacher Computer & Printer
1		X	Table, 30"W x 72"L
6		X	Chairs, stackable
1		X	File cabinet, four-drawer, legal, lateral, lockable
4		X	Computer
2		X	Printer
1		X	Bookcase
1	X		Teacher storage cabinet, 36"W x 30"D x 72"H, with adjustable shelving, lockable
2	X		Marker Board, 4' x 8', with map rail and flag holder.
4	X		Tack Board, 4' x 4'
1	X		80"w x 60"h video format screen with black masking borders
1	X		Single stainless steel sink with goose neck faucet (CW) and water jet drinking fountain accessible to disabled
1		X	Pencil sharpener, electric
1	X		Clock
1	X		Multimedia cabinet (refer to General Considerations)
1	X		Workstation (refer to General Considerations)
1		X	Document camera
1		X	DVD/VCR Combo
1		X	Wireless Laptop cart
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement System
	X		Built-ins (refer to special considerations)

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

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

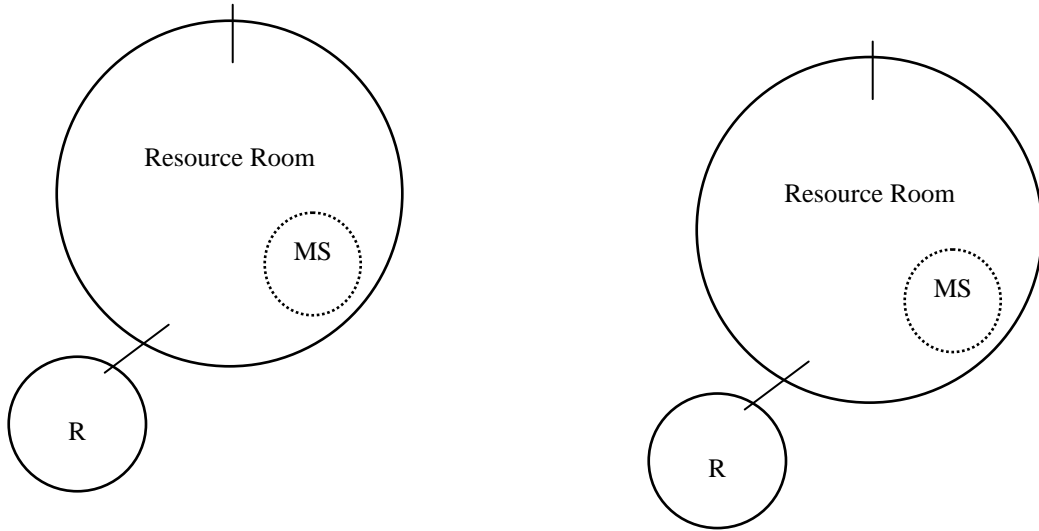
- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District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

Resource Room

- 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.
- R. **Built-ins** -
 - 1. Provide base cabinet with sink and lockable doors and adjustable shelves and upper cabinets with lockable doors and adjustable shelves.
 - 3. Provide Multimedia cabinet and workstation - refer to General Considerations.
- S. **Other Considerations** - N/A

SPATIAL RELATIONSHIPS

Resource Room



R – Restroom
MS – Material Storage
Not all spaces are shown

Resource Room

RESTROOMS

Provide public restrooms in administration. Provide restrooms for kitchen staff in kitchen. Provide restrooms for faculty and staff immediately adjacent to staff dining, general teacher planning areas, physical education teacher planning and other areas per code. Provide student restrooms in classrooms, dining rooms, covered play area and other areas per code. Provide restroom in clinic per Board approved prototype. Provide ceramic tile in toilets, floor to ceiling, with floor drains. Refer to **GENERAL CONSIDERATIONS**.

Design Codes	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
RESTROOMS (adjust square footage for FACBC and parity requirements)							
822/823		Public Restrooms			128		
815/816		Student Restrooms (Grades 4 and above)			957		
819/820		Staff Restrooms			255		
		TOTAL			1,340		

STAGE/SUPPORT

I. PROGRAM PHILOSOPHY

Refer to overall. (Page 1)

II. PROGRAM GOALS

Stage / support spaces are to provide facilities in support of instructional programs, and to encourage out-of-class use by students and staff.

New trends in teaching methods and new awareness of the school, as a community center, make stage / support essential auxiliary teaching and community activities spaces for the elementary school.

With a growing concern to utilize large rooms for multiple purposes, the dining room will be served by stage / support facilities.

The architect is encouraged to explore planning alternatives for stage / support spaces as related to the dining hall for most effective utilization.

III. PROGRAM ACTIVITIES

The stage / support areas will provide the following:

- A. A convenient setting for presentations to large group assemblies for a variety of purposes - instruction, meetings, displays, etc.
- B. A facility for teaching participation in, and appreciation of, the performing arts.

IV. ORGANIZATIONAL NOMENCLATURE

Grade Levels for Which Program is Intended: K-12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

The project architect is encouraged to study stage design alternatives which permit use of stage area for overflow dining room seating, for example, portable platforms. In addition, special lighting and sound equipment shall be considered.

VI. JUSTIFICATION FOR VARIANCE FROM SREF REQUIREMENTS

- A. The two dressing rooms shall have restrooms.

Stage/Support

- B. Provide outside stage approximately 800 NSF with access from indoor stage, where possible.
- C. 100 NSF from Control Booth to CCTV Control Room and Studio.

VII. PROGRAM FACILITIES LIST

Design Codes	Spaces	Description	SREF Sq. Ft Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
STAGE							
363	1	Indoor Stage		990	990		
364	1	Stage Storage			480		
317	2	Dressing Room		240	480		
815/816	2	Student Restroom at Dressing Room		85	170		
	1	Control Booth (to CCTV Studio-Production)	100		0		
TOTAL					2,120		0

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Stage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Microphone jack for stage in floor and overhead
1	X		Stage curtains
1	X		Sound system (shall work with LCD projector and other technology)
1	X	X	LCD Projector
1	X		12'w x 10'h, minimum, video format screen with black masking borders and electronically operated
1	X		Multimedia cabinet (refer to General Consideration)
	X		Built-ins (refer to special considerations)

B. Dressing Room (per)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
6		X	Chairs, stable
1	X		Single sink
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)

Stage/Support

C. Stage Storage

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

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

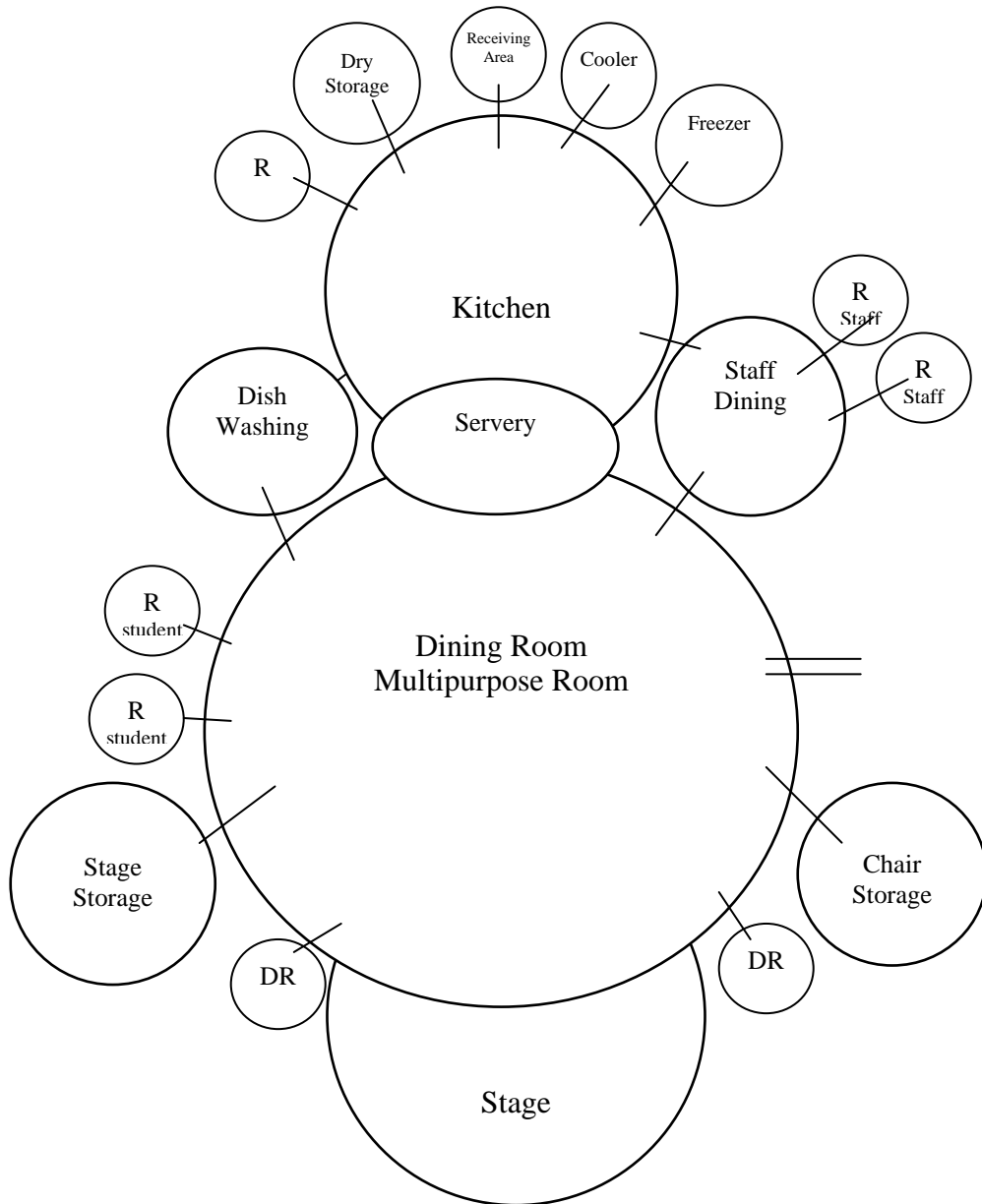
Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATION AND TRAFFIC CONTROL.**

- 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. Provide pipe gridirons and curtains, including drops and panels.
- F. **Lighting** - As required to meet District Standards. Incandescent ceiling lights, with individual control, shall be provided. Stage lights shall be equipped with dimmer switches.
- G. **Windows** - As required to meet District Standards.
- H. **Doors** - As required to meet District Standards. Provide access from indoor stage to outside stage.
- I. **Plumbing Fixtures/Water** - As required to meet District Standards.
- J. **Communications** - As required to meet District Standards. Sound panel to house equipment. Provide access to Closed-Circuit TV. ITV broadcast capability from stage and dining room. Provide microphone outlets on stage.
- 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.

Stage/Support

- P. Service Drives** - As required to meet District Standards.
- Q. Parking** - As required to meet District Standards.
- R. Built-ins** -
 - 1. **Stage Storage** – Provide metal adjustable shelving, one wall, 12"D, floor to ceiling.
 - 2. **Dressing Room/Office** – Provide vanity counter with drawers and cabinets and lighted mirrors above.
 - 3. Provide Multimedia cabinet – refer to General Considerations.
- S. Other Considerations** –
 - 1. Electric, data and microphone jack should be located near the front of the stage.

SPATIAL RELATIONSHIPS
Food Services, Multipurpose Room & Stage



R = Restroom
DR = Dressing Room with restroom(s)

Stage/Support

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

A. Teacher Planning area shall be located at the covered play area.

VII. PROGRAM FACILITIES LIST

Design Codes	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
TEACHER PLANNING							
315	2	Teacher Planning for K-12 area		500	1,000		
315	3	Teacher Planning for Pre-K area		500	1,500		
		TOTAL			2,500		0

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. General Teacher Planning Area

No. of Items	Contractor Provided	District Provided (FF&E)	Description
		X	Vending machine(s)
1-2		X	Copier
4-6		X	Computers
4-6		X	Printers

Teacher Planning

No. of Items	Contractor Provided	District Provided (FF&E)	Description
4-6		X	Teacher Desk
1-2		X	Work table
1	X		Microwave
1	X		Refrigerator
2	X		Tack board, 4' x 4'
1	X		Clock
1	X		Stainless steel, double bowl, sink with separate goose neck faucet
	X		Built-ins (refer to special considerations)

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

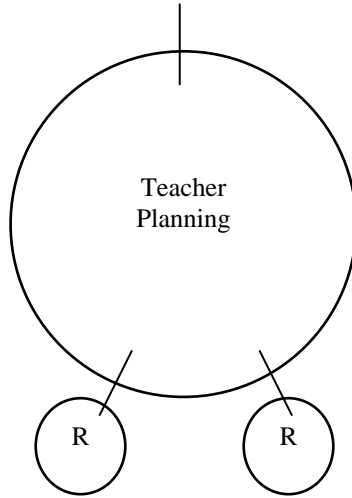
Refer to **GENERAL CONSIDERATIONS, GENERAL SECURITY CONSIDERATIONS AND TRAFFIC CONTROL.**

- 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. **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.

Teacher Planning

- 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 sink and adjustable shelves and upper cabinets with adjustable shelves along one wall.
- S. Other Considerations** -

SPATIAL RELATIONSHIPS
Teacher Planning



R = Restrooms, Staff

Teacher Planning

AGRICULTURAL

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 with an emphasis in Agriscience career exploration.

II. PROGRAM GOALS

- A. Maximize laboratory use and provide a laboratory-centered science experience for the specific use of students in an Agriscience-based curriculum.
- B. Provide a laboratory program with the newest technologies to create pathways to careers in Agriscience.
- C. To develop working partnerships with community organizations and create students able to work in various aspects of Agriscience business.

III. PROGRAM ACTIVITIES

A. Teacher Activities

- 1. Conduct lecture/class discussion.
- 2. Demonstrate on marker board, smart board and projector.
- 3. Plan, provide and lead laboratory activities.
- 4. Teach, test and remediate individuals, small and large groups.
- 5. Provide awareness and participation in FHA activities and county fairs.
- 6. Conduct indoor and 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. Maintain animals and plants in an environment conducive to study.
- d. Observe and/or perform experiments in a humid and light controlled environment.
- e. View ITV, and videos individually, in groups or teacher guided.
- f. Interface the computer with basic laboratory equipment.

Agricultural

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio 1:20

Grade Levels for Which Program is Intended 6 - 12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

A. Science areas shall have a lockable, equipment maintenance room with hose bibbs to allow cleaning and storage of equipment.

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

A. Combine Material Storage and Reference into one space.

VII. PROGRAM FACILITIES LIST

Design Code			SREF Sq. Ft. Total				
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
Agricultural							
201	1	Agricultural Laboratory			1,100	20	20
810	1	Material Storage			395		
847	1	Flammable Storage			125		
850	1	Tool Storage			195		
841	1	Greenhouse			800		
		TOTAL			2,615		20

Agricultural

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Laboratory

No. of Items	Contractor Provided	District Provided (FF&E)	Description
20-30		X	Student Chairs
4-10		X	Lab Tables for instruction
1		X	Teacher desk and chair
1		X	Laboratory Stool, adjustable back
10		X	Student Laboratory Stools
1		X	Activity table, 30"W x 72"L
1		X	File cabinet, four-drawer, legal, lateral, lockable, chemical resistant top
1		X	Laboratory cart, portable
1	X		Fume hood, permanent, vented to outside
1		X	Safety shield, (explosion shield) portable
1	X		Sterilizer for 40 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
5		X	Microscope, regular and tissue culture
40		X	Safety goggle and spill-control pillows
1		X	Sand bucket, 25 pounds
20		X	Student apron
10-25		X	Gloves, various types
20		X	Soil Testing Kit
20		X	Soil Compactor Testing Kit
5		X	Soil temperature thermometer
5		X	Soil analysis hydrometer
5		X	Soil acidity meter
5		X	Soil moisture tester
5		X	Hydrometer cylinder
5		X	Fertilizer analyzer
5		X	Limnological water test outfit
5		X	Electric soil sterilizer
20		X	Plant tissue test kit
5		X	Soil reaction tester/meter
5		X	Acid rain study kit
20		X	Water Pollution Detection Kit
20		X	Air Pollution Detection Kit
20		X	Dissecting Kits
20		X	Nematode study kit
20		X	Pesticide safety kit
20		X	Transpiration bio kit
2		X	Egg Candling Light
1		X	Land, Heavy duty, long distance, Measuring Wheel
1		X	Laser Finder
1		X	Projector, microvideo for use with microscope
1		X	Rangefinder
5		X	Respirator
1		X	Vacuum Cleaner, wet/dry, minimum 16 gal.

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
5		X	Soil Meter
2		X	Stirring Unit
1		X	Tachometer
1		X	Indicator, Wind Speed
1		X	Protective Screen 5'x6'
2		X	Digital Camera
2		X	Camcorder
5		X	Scale
1	X		Autoclave
1		X	Centrifuge, Benchtop
1		X	Clinometer
1		X	Compass with staff
1		X	Planimeter, Digital
1		X	Mixer, Concrete
1		X	Conduit Bender, Offset, one each of ½ & ¾
5		X	pH Meter, waterproof
5		X	Soil formation kit
1		X	Rain Gauge, electronic
1		X	Wireless Weather Station
5		X	Hygrometer Indicator
12		X	Dew Point Apparatus
2		X	Thermometer, indoor & outdoor
1		X	Incubator
1		X	Brooder
1		X	Altimeter/barometer
1		X	Mobile agriculture station
2		X	Fish tank & accessories, minimum of 55 gal.
1	X		Microwave (large enough to hold 1 liter)
1	X		Deluge shower and eye wash
1	X		Stove
2	X		Glassware drying rack, mounted above sink
1	X		Refrigerator with ice maker
1	X		Dishwasher, commercial grade
1	X		Double stainless steel sink adjacent to dishwasher
6		X	Computer
3		X	Printer
1		X	Computer and Printer for teacher
1		X	Fax Machine
5		X	Multimedia Kit
3		X	Laptop computer
3	X		Insect cabinet with pinning trays (10 draws each)
1		X	Tissue culture incubator
1		X	Engraver
1		X	Binding Machine
1		X	Paper Cutter
1		X	Photocopier
5	X		Chemical Storage Cabinet
1	X		Marker board, stackable, 4' x 8', with map rail and flag holder
2	X		Tack Board, 4' x 4'
1	X		80" w x 60" h Video Format Screen with black masking borders

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Pencil sharpener, electric
	X		Fire extinguishers, per code
1	X		Fire blanket, wall-mounted
1	X		First Aid kit, wall mounted
1	X		Display cabinet, transparent front
1	X		Clock
	X		Built-ins (refer to special considerations)
1	X		Teacher demonstration table (refer to special considerations)
1	X		Multimedia cabinet (refer to general considerations)
1		X	DVD/VCR Combo
1		X	Document camera
2		X	Wireless laptop carts
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement

B. Flammable Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
		X	Gasoline Containers
		X	Sprayers
1		X	Trash can, 25-gal. capacity, non-metal
	X		Smoke detector, per code
	X		Exhaust fan, per code
	X		Fire extinguishers, per code
1	X		Fire blanket, wall-mounted
1	X		First Aid kit, wall mounted
1	X		Double stainless steel sink, deep
2		X	Stainless steel laboratory, cart
3	X		Fire proof steel storage cabinet (3), lockable -- for caustics, acids, flammables, pesticides & fertilizers
1	X		Fixed fume hood
1	X		Glassware drying rack, mounted above sink
	X		Built-ins (refer to special considerations)

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C. Material Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
2	X		Fire proof steel storage cabinet (3), lockable -- one cabinet each for caustics, acids and flammables
1	X		Refrigerator with ice maker, commercial
1		X	Trash can, 25-gal. capacity, non-metal
2	X		Double stainless steel sink, deep
1	X		Glassware drying rack, mounted above sink
1		X	Computer and printer
	X		Built-ins (refer to special considerations)

D. Outside Greenhouse & Outside Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
4-6	X		Tables for plants
	X		Overhead watering system
2	X		Utility Tub/Sink
	X		Climate Control System
50-100		X	Work gloves
5-10	X		Hanging Tool Racks
12		X	Biltmore Sticks
6		X	Dibble
12		X	Tree Caliper, 50" diameter
6		X	Increment Borer
2		X	Diameter Tape
12		X	Hand pruners
5		X	Budding knife
		X	Hoses
		X	Sprinklers
5		X	Lopping Shears
8		X	Tooth rakes
8		X	Leaf rakes
8		X	Shovels
2		X	Post Hole Diggers
10		X	Wrench Set
12		X	Hammers
5		X	Wheelbarrow
		X	Miscellaneous Hand Tools
	X		Built-ins (refer to special considerations)

E. Outside Covered Patio

No. of Items	Contractor Provided	District Provided (FF&E)	Description
4	X		Outdoor Lab Tables that seat 4 students with electrical and water
5	X		Utility Tub/Sinks located on the wall
	X		Built-ins (refer to special considerations)

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F. Student Storage & Tool Storage

No. of Items	Contractor Provided	District Provided (FF&E)	Description
50		X	Tool Totes
	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.
 - 1. **Laboratory:** Provide emergency exhaust system.
 - 2. **Material Storage:** Provide exhaust system to outside. Provide separate make-up air systems for occupied and unoccupied times.
 - 3. **Fume Hoods:** Provide vent to outside.
 - 4. **Flammable Storage:** Provide vent to outside.
 - 5. **Chemical Storage Cabinets:** Provide vent to outside.
 - 6. **Outdoor Greenhouse:** Provide Climate Control System.
 - 7. **Outside Covered Patio:** Ceilings fans will be determined by the Building Department.

- B. **Acoustical** - As required to meet District Standards.

- C. **Floor** - As required to meet District Standards. Laboratory shall have chemical and damage-resistant surface. Storage areas shall be chemical-resistant. Chemical storage room shall be treated concrete.

- D. **Walls** - As required to meet District Standards.

- E. **Ceiling** - As required to meet District Standards. The laboratory ceilings should be at a height of 12', minimum.

- F. **Lighting** - As required to meet District Standards. Provide lights in the Greenhouse and at the Outside Covered Patio.

- G. **Windows** - As required to meet District Standards. Provide observation window between material storage and laboratory.

- H. **Doors** - As required to meet District Standards. Provide large door(s) for the large equipment in the laboratory.

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- I. **Water/Plumbing Fixtures** - As required to meet District Standards. Provide (HW) and (CW) at teacher station, material storage and chemical storage. Provide (CW) at student stations. Provide master shut-off valve for water. Provide cold water to the deluge shower and eye wash. Based on program furniture and equipment, provide water as required. Provide water at the tables and wall at the outside patio area. Also provided hose bibs at the Outside Covered Patio, Greenhouse and Laboratory.

- J. **Communications** - As required to meet District Standards. Provide PA system for the Greenhouse, Outside Covered Patio and Fields. Provide emergency call button in the Outside Covered Patio and Greenhouse.

- K. **Electrical** - As required to meet District Standards. 120 - volt electrical service shall be provided. 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. Heat and smoke detectors, per code, connected to central alarm system in laboratories and chemical storage room. Provide electrical outlets at student science tables. Provide electrical outlets in storage areas. Based on program furniture and equipment, provide electrical as required. Provide electric at the tables and wall at the outside covered patio area and greenhouse. Provide some high voltage electrical outlets at the computer stations in Laboratory.

- L. **Instructional Technology** - As required to meet District Standards.

- M. **Gas and Air** - As required to meet District Standards. Based on program furniture and equipment, provide gas and compressed air as required.

- N. **Safety** - As required to meet District Standards. Deluge shower, drain and eye bath (double spout wall fountain). One in laboratory and in chemical storage.

- O. **Fencing** – As required to meet District Standards. Work with District staff on the height and location of fencing.

- P. **Service Drives** – As required to meet District Standards. Locate Agricultural facilities near drive way(s) for deliveries.

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

- R. **Built-ins**
 - 1. **Laboratory** –
 - a. Provide and position counters with 2-4 sinks, 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.
 - b. Provide counter area for six (6) computers and fax machine. Each computer station shall be 6' in length for a total of 36' of counter. Electrical and data serve shall be located above counter. Provide open adjustable shelves above

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computer counter.

- c. Bookcases, 30"H, adjustable shelves.
- d. Provide microscope cabinet to house microscope (50), and stereoscopic microscope (15), lockable.
- e. Provide teacher demonstration table, 72", permanent with sink, electrical, and data connections. Counter top shall be acid-resistant.
- f. Provide base cabinet with double sink adjacent to dishwasher in laboratory.
- g. Provide Multimedia cabinet – refer to General Considerations.

2. Material Storage –

- a. Provide acid-resistant counter on two walls with double, deep sink (2) with residue traps, full service (gas, air, electricity, water); lockable drawers and base cabinets with adjustable shelves.
- b. Provide wall cabinets, glass-front doors, lockable, with adjustable shelves on available wall space.
- c. Provide floor-to-ceiling, adjustable shelves, 12"D, on available wall space.

3. Flammable Storage –

- a. Provide stone top counter, approximately, 10', with acid-resistant sink and full service; lockable storage below and above.
- b. Provide 100 lineal feet, 14"D, chemical storage shelving, non-corrosive.
- c. Provide full-height, adjustable shelving on available wall space, with lip, non-corrosive, heavy-duty.

4. Greenhouse –

- a. Provide full-height, adjustable shelving on available wall space, with lip, non-corrosive, heavy-duty.

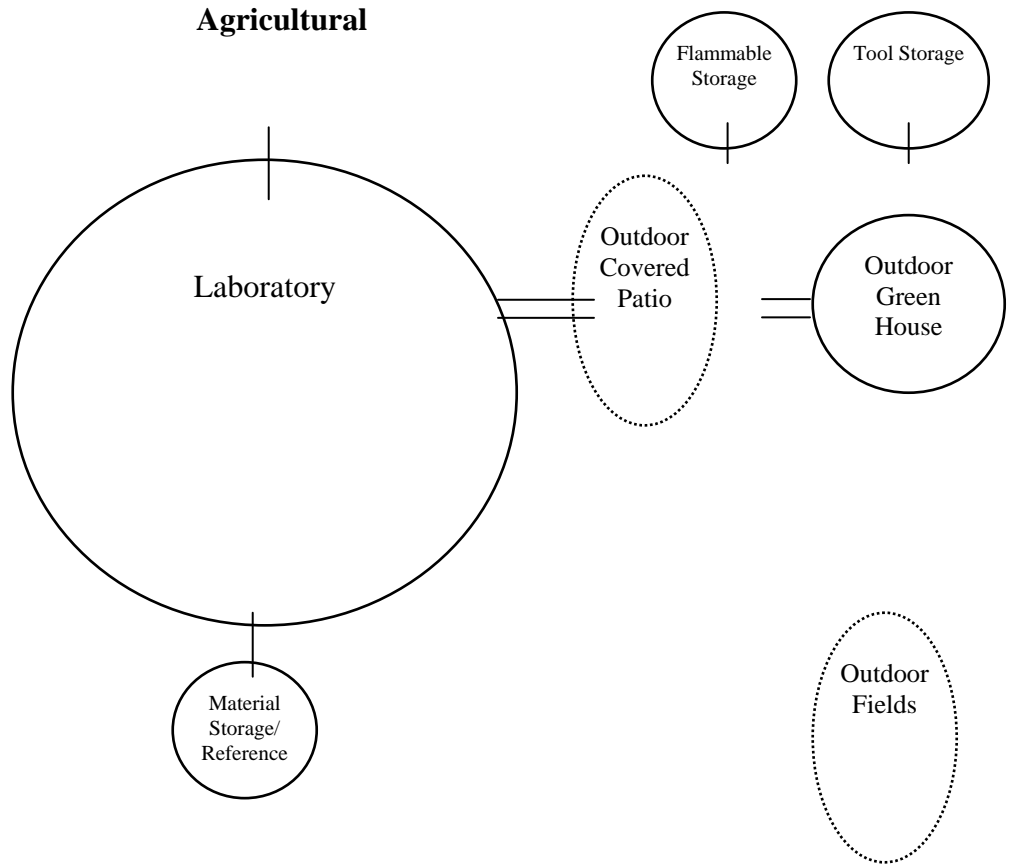
5. Outside Storage –

- a. Provide full-height, adjustable shelving on available wall space, with lip, non-corrosive, heavy-duty.

S. Other Considerations

1. Provide grease traps, where necessary.
2. A dispensing area located in the laboratory is necessary to issue supplies and equipment.
3. Provide electric, data and phone in material storage.

SPATIAL RELATIONSHIPS



Agricultural

FAMILY & CONSUMER SCIENCE

I-III. PROGRAM PHILOSOPHY, GOAL & PROGRAM ACTIVITIES

Family and Consumer Sciences (F.A.C.S.) provides a progressive curriculum which will encourage, motivate and develop student potential. The design of the program shall provide students with experience that will acquaint them with a variety of career pathways that utilize FCS related knowledge and skills. All FCS programs are committed to encouraging all students enrolled (including gifted, talented emotionally/mental/physically handicapped) to develop to their fullest potential as they learn skills for daily management of life and job preparatory skills.

IV. ORGANIZATIONAL NOMENCLATURE

Teacher/Student Ratio 1:20
Grade Levels for Which Program is Intended 6 - 12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

A. Outreach programs for the community

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

A. The Family & Consumer Science shall be designed as a combination of kitchen area and sewing area.

VII. PROGRAM FACILITIES LIST

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Sta. Total.
CAREER EDUCATION - FAMILY & CONSUMER SCIENCE							
232	1	Family & Consumer Science Lab			1,100	20	20
812	1	Storage, Project			150		
843	1	Laundry			50		
		TOTAL			1,300		20

Family & Consumer Science

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. Teacher Demonstration Table and adjacent area

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

B. Preparation Unit Kitchen (2)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
2	X		Range, 30" w x 36" h, front controls, visual light door, with hoods
2	X		Double kitchen sink with kitchen faucet (HW/CW) and garbage disposal
2	X		Refrigerator/freezer combination, commercial upright, frost-free, vertical hinge doors, minimum 46 cu. ft. stainless steel with shelving (used for storage of demonstration foods and as central storage of unprepared foods), lockable two units
2	X		Microwaves
1	X		Fire extinguisher
1	X		Fire blanket, mounted
1	X		First Aid kit, mounted
	X		Built-ins (refer to special considerations)

C. Instructional Area

No. of Items	Contractor Provided	District Provided (FF&E)	Description
5-10		X	Desks and chairs
3-5		X	Activity Tables
10-15		X	Chairs, stackable
1		X	File cabinet, four-drawer, legal, lateral, lockable
1		X	Book rack, portable, library size for reference books, recipe books, etc.
2		X	Tea cart
6		X	Computers
2		X	Printers
1		X	Computer and printer for teacher
2	X		Marker Board, 4' x 16' with map rail and flag holder
3	X		Tack Board, 4' x 4'
1	X		80" w x 60" h video format screen with black masking borders
1		X	Pencil sharpener, electric
1	X		Clock

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Multimedia Cabinet (refer to general considerations)
1	X		Workstation (refer to general considerations)
1		X	DVD/VCR combo
1		X	Document camera
1		X	Wireless laptop cart
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement
	X		Built-ins (refer to special considerations)

D. Student Centers for sewing

No. of Items	Contractor Provided	District Provided (FF&E)	Description
6		X	Sewing machine (refer to special consideration for built-in cabinets)
3		X	Irons
1	X		Mirror, three-way, adjustable (with curtain track)
4		X	Microphone headsets
6		X	Computers
2		X	Printers
4		X	Modular units on: work and family, baking, shopping, environmental issues, home security, food preparation, nutrition and wellness, clothing and wardrobe, money, budget, and credit, textiles, home care, smart house, elderly and child care, color, car, TV, VCR, and Internet-www
1	X		Fire blanket, mounted
1	X		First Aid kit, mounted
	X		Built-ins (refer to special considerations)

E. Shared Laundry Area

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Washer, front loading
1	X		Dryer, vented
1	X		Laundry Tub
1		X	Vacuum Cleaner
1		X	Hamper for towels to be folded and tablecloths to be ironed.
	X		Built-ins (refer to special considerations)

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

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

- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
 - 1. **Clothes Dryer:** Provide vent to outside.
 - 2. **Range:** Provide hood with exhaust fan and vent to outside.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** – As required to meet District Standards. Provide non-absorbent, non-slip, grease-proof quarry tile with same 6” coved base on all walls with floor drains in kitchen area.
- D. **Walls** - As required to meet District Standards. Provide tile back splash in kitchen area.
- E. **Ceiling** - As required to meet District Standards.
- F. **Lighting** – As required to meet District Standards. Provide task lights above kitchen area.
- 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.
- J. **Communications** – As required to meet District Standards.
- K. **Electrical** - As required to meet District Standards. Duplex outlets to be provided at each end or one end and center of demonstration islands. Each food preparation unit to be equipped with two duplex outlets above each splash panel. Wall outlets provided for refrigerators, commercial. Electrical molding strips running length of walls adjacent to sewing areas to allow for flexibility in arrangement and to accommodate various quantities and types of electrical equipment, 220-volt outlets for washer, dryer, stoves, water heater, ice makers, garbage disposal, sewing machines, dishwashers, micro ovens, computer management stations, computer work stations for students and teacher, teacher demonstration centers, kitchen units, and additional convenience spaces in MS/teacher planning areas.
- L. **Instructional Technology** – As required to meet District Standards.

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- M. Gas and Air** - As required to meet District Standards.
- N. Safety** - As required to meet District Standards. Fire blanket mounted on wall in exploration laboratory in close proximity to cooking area. Ground fault interrupters in exploration laboratory. Master switch in both laboratories to turn off all equipment, except refrigerators. Provide panic switch in all laboratories.
- O. Fencing** – As required to meet District Standards.
- P. Service Drives** - As required to meet District Standards. Entrance to the department shall be adjacent to a service drive and parking area to accommodate delivery, maintenance, garbage disposal, invited guests and resource persons.
- Q. Parking** – As required to meet District Standards.
- R. Built-ins**
- 1. Teacher Demonstration Table**
 - a. Provide counter top, 9'L x 30"D x 34"H with sink and over
 - b. Provide under counter storage area with draws and cabinets
 - c. Provide double outlet, each end or one on end and one on center of demonstrator side
 - d. Locate where all students can see. Locate off-center of the teaching wall.
 - 2. Preparation Unit Kitchen (2)**
 - a. Provide plastic laminate counter surface for preparation and service of cooked and baked products, including meals. Area 18'L x 24"D x 34"H (includes double bowl sink). Wall counter, 24" D. L-shaped kitchens are preferred. No upper cabinets protruding out into room that would block teacher's view.
 - b. Provide pantry, 6' x 5'; adjustable shelves, 11"D on two sides; 24"D on back side.
 - c. Storage area
 1. Provide above counter: 6'W 12"D x 30"H (for dishes, mixing bowls, storage jars, staples, etc.).
 2. Provide below counter: 24"D x 34"H x 18'L. Storage for equipment, baking, cooking, etc. All space is utilized by use of drawers with oblong, recessed pulls.
 - d. Provide bookshelves for cookbooks and card files (12"H x 12"D x 18"W)

- e. Provide cabinet to house microwave oven.

3. Storage Room

- a. Provide storage for equipment and linens:
 - 1. Upper cabinet, 12"D x 30"H x 28"W
 - 2. Lower cabinet, 24"D x 34"H x 28"W
- b. Provide pantry, 6' x 5'; adjustable shelves, 11"D on two sides; 24"D on back side.
- c. Provide metal shelving with adjustable shelves along one wall.

4. Student Area for sewing

- a. Provide Computer/Sewing Tech Workstations, keyboard mouse slide tray, under counter door locked storage unit, attached spring-loaded pop-up sewing machine storage with grommets for electrical outlets in the counter top and upper lockable adjustable shelving cabinets to house sewing machines, books, etc.
- b. Provide ironing center (1, each to serve sewing center) (recessed in closet) and located in laboratory
 - 1. Provide fold down (or out) ironing board
 - 2. Provide storage area for iron, pressing mitts

5. Storage Room for sewing

- a. Provide section to accommodate 100 tote trays, 6"H x 19"L x 10"W. Caster arrangement: two stationary, two swivel, with foot brakes and one swivel, centered; each long side to be divided into four equal sections to house tote trays, remaining section with slide-out shelves. Each section is to be enclosed with doors, with locks keyed to one master
- b. Interior of doors to be outfitted with slots, grooves and hooks for storage of scissors, seam rippers.
- c. Provide metal shelving with adjustable shelves along one wall.
- d. Provide two storage cabinets, lockable 1 for hanging garments and 1 for folded garments (shelves).

6. Laundry Area

- a. Provide built-in, lockable storage cabinet for laundry supplies (detergent, starch, bleach).

- b. Provide storage space for folded linens with doors and lockable.

7. All Laboratories

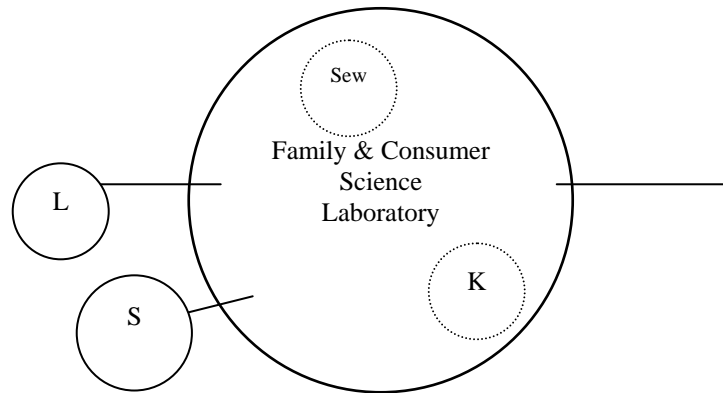
- a. Provide built-in bookcase, 5'L x 15"D x 40"H with adjustable shelves.
- b. Provide computer counter to accommodate four (4) computers and two (2) printers. The counter shall have grommets for wire management.
- c. Provide Multimedia cabinet and workstation - refer to General Considerations,
- d. Provide storage compartment (20), for student use (personal belongings), 15"H x 15"D x 15"W

S. Other Considerations

- 1. All locks on cabinets, storage areas and display area shall be keyed for one master
- 2. Sewing machines must be grounded
- 3. All stationary cabinets and counters have 3" toe space
- 4. A side-by-side washer and dryer laundry space with hot water heater of sufficient capacity to serve all of the laboratory needs shall be provided in the food laboratory.
- 4. Laboratory areas shall be designed to accommodate flexible use of classrooms and furniture.

SPATIAL RELATIONSHIPS

Family and Consumer Science



S = Storage
K = Kitchen
L = Laundry

Family & Consumer Science

INDUSTRIAL

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. Students will gain skills leading to consumer awareness, personal enrichment as well as occupational awareness and entry level job readiness.

III. PROGRAM ACTIVITIES

A. General Activities (applicable to all laboratories)

1. Exposure and awareness of tools, materials, processes
2. Experimenting in the laboratory
3. Consumer awareness
4. Career awareness
5. Entry level job skills

B. Specific Activities

1. Production/Construction 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. Participating in a mass production system for manufacturing a product
- d. Utilize assistive technology/equipment to produce various products.

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student ratio: 1:25

Grade levels for which program is intended: 6-12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USE

N/A

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

N/A

VII. PROGRAM FACILITIES LIST

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
				245	1	Industrial Lab	
808	1	Material Storage			100		
810	1	Material Storage			395		
849	1	Project Storage			310		
850	1	Tool Storage			195		
TOTAL					2,800		20

VI. PROGRAM FURNITURE AND EQUIPMENT

A. Production/Construction Laboratory

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1		X	Teacher chair, pneumatic lift, non-tilt, caster base, armless
1		X	Teacher demonstration table, 96" x 30" x 34", with 1 1/2" laminate top, double-door base unit with two adjustable shelves, five-drawer base unit, modesty panel, master keyed cylinder locks and pulls
1		X	Teacher drafting stool, pneumatic lift, non-tilt, caster base, armless
1		X	Filing cabinet, 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, eight shelves
1		X	Computer and printer for teacher
4		X	Computer work stations for students with wire management
2		X	Printer
		X	Various software
4		X	Student chair, pneumatic lift, non-tilt, caster base, armless, for work stations
10-20		X	Student desks
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
4	X		Reels from ceiling for air and electric on side
1		X	Air compressor, portable
4		X	Workbench, 64"W x 54"D x 34"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

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No. of Items	Contractor Provided	District Provided (FF&E)	Description
			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	Planer, 20", 230v, 3 phase
1		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, 12," 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, 1/2"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 1/2 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, 1/2 HP single phase motor, 115V, 10A
1		X	Buffer, 8", long shaft with pedestal, 1800 RPM, 3/4HP 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" (one, 36 - grit and one, 60-grit), 3600 RPM, 3/4 HP single phase motor, 115/230V, 10/5A
2		X	Utility vise, 5" jaw width, 5 1/2" opening, with replaceable serrated steel jaws, built-in steel pipe jaws, swivel base
1		X	Circular saw, 7 1/2," with combination saw blade and wrench, 115V, 13A
1		X	Jigsaw, variable speed, 115V, 4A
1		X	Router, 1HP, with 1/4" and 3/8" collets, collet wrenches, and base assembly, 115V, 8A
1		X	Drill, electric, reversible, variable speed, 1/2" chuck, 115V, 5.5A
1		X	Belt sander, with dust bag, 3" x 24" belt, vacuum dust removal system 115V, 10A
1		X	Sander, orbital pad, 1/3 sheet, double insulated, 115V, 5A
1		X	Sander, orbital finish, 1/4 sheet, double insulated, 115V, 1.25A
1		X	Vacuum cleaner, 28 - gallon, with 6' x 2 1/2" hose, extension wands, and nozzle, 115V, 10A
1	X		Safety glass cabinet, with glasses, sterilized
1		X	Computer Numerical Controlled (CNC) wood router,

**DRAFT Scheduled for September 19, 2007 Board Meeting
Original Approved March 16, 2005**

No. of Items	Contractor Provided	District Provided (FF&E)	Description
			with Lexan safety shield, key operated switch, built-in dust collection, IBM compatibility, engraving package, CAD/CAM software, 1 ½ 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
1		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
1		X	Robotic arm, with teach through nose software, including: curriculum and instructional packages, 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	Stock cart, steel, 5' diameter casters, 24"W x 36"D x 32"H
1		X	Oily waste can, 6 gallon
1	X		Large group sink, handing washing station (double industrial sink)
2	X		Marker board, 4' x 8', with map rail and flag holder
2	X		Tack Board, 4' x 4'
1	X		80"w x 60"h Video Format Screen with black masking borders
1		X	Pencil sharpener, electric
	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		Clock
1	X		Multimedia cabinet (refer to General Considerations)
1	X		Workstation (refer to General Considerations)
1		X	DVD/VCR Combo
1		X	Document Camera
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement
	X		Built-ins (refer to special considerations)
1	X		Dust collection system

**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**

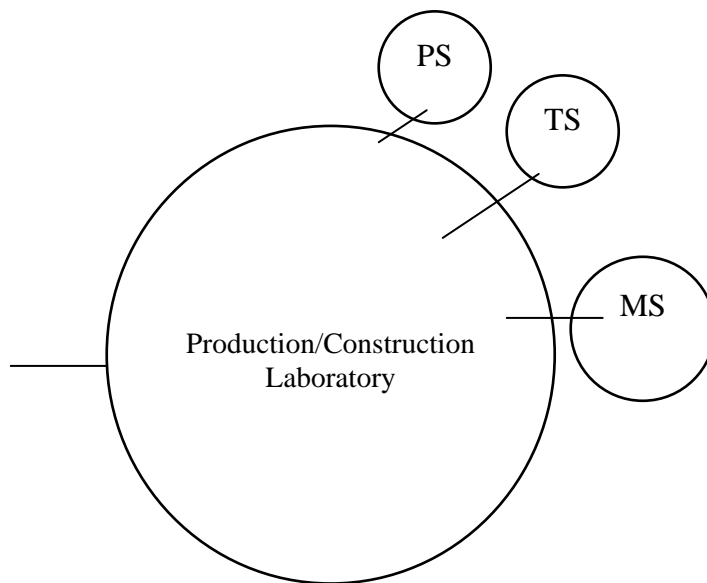
- A. **Heating/Cooling/Ventilation** - As required to meet District Standards.
- B. **Acoustical** - As required to meet District Standards.
- C. **Floor** - As required to meet District Standards.
- D. **Walls** - As required to meet District Standards.
- E. **Ceiling** - As required to meet District 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 laboratory to facilitate delivery of materials and sharing of equipment. Provide one, 6' double door with removable mullion between the large storage room and the Production/Construction Technology Laboratory. Provide one, 6' double door with removable mullion between and the project storage room and the Production/Communication Technology Laboratory. Provide overhead exterior door (8'w x 10'h) in the Production/Construction 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 four, 120- volt duplex outlets. Student project storage to have two, 120-volt duplex outlets. Provide outlets in storage areas for battery charging station.
- 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/Construction 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. Service Drives** - As required to meet District Standards. Production/Construction lab should be located on the first floor near a service drive for delivery of large stock.
- P. Parking** - As required to meet District Standards.
- Q. Built-ins**
1. **Production/Construction Laboratory**
 - a. Provide counter with sink, 30', with cabinets below and above, lockable.
 - b. Provide lumber 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.
 - c. Provide storage cabinet (10), 35"W x 21"D x 78"H, steel construction, four adjustable shelves, lockable in storage room.
 - d. Provide shelving (6), open, 36"W x 24"D x 75"H in storage room.
 - e. Provide shelving (10), open, 36"W x 18"D x 75"H in storage room.
 - f. Provide cabinet, 43"W x 18"D x 44"H, flammable liquid safety storage, 30-gallon capacity.
 - g. Provide Multimedia cabinet and workstation - refer to General Considerations.
- S. Other Considerations**
1. Noise control between laboratories and within laboratory areas.
 2. Provide electric, data, and phone in material storage
 3. 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.
 4. The Production/Construction 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.

SPATIAL RELATIONSHIPS

Industrial



Refer to Computer Skills Laboratory
for spatial

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

Facility Space Summary**Royal Palm School****New Construction****Grades PreK – 12****Total Student Stations: 638****FISH Capacity: 638**

Facility Area	Proposed Student Stations	Net Assign Square Feet (NASF)
Administrative/Student Services		8,554
Art		1,415
Skills Laboratory	36	2,060
Custodial		1,762
Exceptional Student Education	542	61,935
Food Services		9,870
Media Center		5,227
Music		1,485
Physical Education		8,898
Resource Rooms		1,198
Restrooms		1,340
Stage		2,120
Teacher Planning		2,500
Vocational	60	6,715
Totals	638	115,079
Mechanical @ 6%		6,905
Total Net Sq. Ft.		121,984
Circulation, Walls etc. @ 27%		32,936
Total Gross Sq. Ft.		154,920