EDUCATIONAL SPECIFICATION
SPANISH RIVER HIGH SCHOOL

Academy Program Modifications
Grades 9 – 12
Total Student Stations: 75

July 2006

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INTRODUCTION

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

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

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

I. Program Philosophy
II. Program Goals
III. Program Activities
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V. Innovations, Experimental Ideas, Other Planned Uses
VI. Justification for Variance from S.R.E.F.
VII. Program Facilities List
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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 Palm Beach County, the community, state and nation.

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

II. PROGRAM GOALS

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

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

a. Develop and apply basic skills in reading, writing, speaking, viewing and listening.

b. Gain a general education in broader fields of language arts, social studies, science, science, mathematics, humanities and vocational education.

c. Develop a desire for learning.

d. Develop a capacity for self-evaluation and self-direction.

e. Examine, analyze, evaluate and utilize various kinds of information.

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

a. Develop a pride of accomplishment and a feeling of self-worth.

b. Learn to respect and get along with people.

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

a. Develop good character and self-respect.

b. Be responsible citizens.

c. Participate in democratic experiences and processes.

4. Occupational Interests - All students shall be provided an opportunity to do the following:

a. Develop a positive attitude toward work.

b. Develop respect for the dignity of all occupations.

c. Acquire information needed for making appropriate job selections.

d. Develop the ability to use information as it relates to a particular vocation.

5. Home and Family Relationships - All students shall be provided an opportunity to do the following:

a. Broaden an appreciation of the family as a social institution and as a basic unit of society.

b. Acquire skills and attitudes for management of family resources.

c. Acquire and understand the skills of family living.

6. Mental and Physical Health - All students shall be provided an opportunity to do the following:

a. Develop good health habits and an understanding of the conditions necessary for maintenance of physical and emotional well being.

b. Acquire a knowledge of basic psychological and sociological factors affecting human behavior and mental health.

c. Develop competence for adjusting to changes.

d. Recognize and work to solve environmental health problems.

7. Aesthetic and Cultural Appreciation - All students shall be provided an opportunity to do the following:

a. Develop an understanding and appreciation of human achievement in natural sciences, social sciences, humanities and the arts.

b. Broaden interests and prepare for productive use of leisure time.

c. Develop skills and creative abilities for self-expression.

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 SDPBC shall refine, implement and utilize management practices which will provide the following:

a. Planning and evaluation programs which will ensure accurate and adequate information for decision-making.

b. Administrative procedures which ensure that program planning, budgeting and evaluation systems are integrated and cyclical in nature.

c. Information services that promote timely acquisition of accurate information regarding district policies, procedures and activities which fulfill the needs of the district and the public.

d. Administrative and Instructional support for "school-based management" procedures and techniques.

e. System-wide support services for functions, processes and programs.

f. Continuing development, refinement, implementation and evaluation of instructional materials, processes and components of the curriculum.

g. Flexible organizational structure which clearly defines and delineates authority, responsibility and accountability.

h. Fiscal integrity in budgeting and business affairs.

2. Personnel Management - The schools district will develop and maintain the following:

a. Practices and programs to recruit the best qualified personnel for all positions.

b. Programs to orient all employees properly to their job responsibilities, operation and organization of their units, and organization of the school system.

c. Staff Development Programs to update employees in their chosen fields and to enhance their professional and career growth.

d. Develop programs to teach administrators at all levels how to achieve excellence in managing people, including performance, planning, evaluation and counseling.

e. A system to identify high potential employees and their readiness status to qualify for higher career positions within the SDPBC.

f. Practices and programs to attain effective affirmative action.

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

Facility List by Areas
Spanish River High School
Grades 9 - 12
Total Student Stations: 75

Design Code	Space	Description	SREF Sq. Ft. Total	Proposed Sq. Ft. Per Unit	Proposed Sq. Ft. Total	Proposed Stu. Sta. Unit	Proposed Stu. Stat. Total.
CAREER EDUCATION							
Bio-Technology							
243	1	Laboratory #1			3,240		25
852	1	Technology Resource Center			1,200		
854	1	Darkroom			200		
810	1	Chemical Storage			310		
		Subtotal			**4,950**		
243	1	Laboratory #2			2,280		25
810	1	Material Storage			260		
		Subtotal			**2,540**		
243	1	Laboratory #3			2,280		25
810	1	Material Storage			260		
		Subtotal			**2,540**		
		Other Spaces					
841		Outside Greenhouse			800		
		TOTAL			**10,830**		**75**
819/820		Staff Restroom			30		
815/816		Student Restroom			113		
330		Custodial			113		
315	1	Teacher Planning			1,068		

The existing facilities would be analyzed by the project architect to determine appropriate usage of the buildings for necessary renovations and/or remodeling to meet SREF size standards, ADA requirements and other code issues.

GENERAL CONSIDERATIONS

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

A. **Security** - The design shall comply with the DDC – Architectural and Civil.

B. **Flexibility** - Consider flexibility to allow for future program changes and expansions of the school plant.

C. **Construction Techniques** - Consider fast and economical construction consistent with long-range maintenance and flexibility requirements of a permanent school plant. Refer to the DDC - Architectural.

D. **Heating, Ventilating and Air-Conditioning (HVAC) –** Design the system(s) in accordance with the DDC – Mechanical and the related DMS sections in Division 15.

E. **Plumbing** - Design the system(s) in accordance with the DDC – Plumbing and the related DMS sections in Division 15.

F. **Building Fire Protection** - Design the system(s) in accordance with the DDC – Plumbing and the related DMS sections in Division 15.

G. **Windows –** Provide windows and window treatment in accordance with the DDC - Architectural.

H. **Floors** - Provide floors in accordance with the DDC - Architectural.

I. **Walls** - Provide walls in accordance with the DDC - Architectural.

J. **Roof** - Provide roofs in accordance with the DDC - Architectural

K. **Corridors and Student Commons** - Corridor shall comply with the Florida Building Code, DDC and DMS.

L. **Sound Treatment** - Acoustically-treated walls and ceilings shall be provided as necessary for the intended use of the space. Refer to the DDC – Architectural.

M. **Hot Water** - Hot water shall be provided as indicated and per code. Refer to the DDC - Mechanical and Plumbing and DMS.

N. **Lighting** - Classroom lighting shall be controlled with alternate switching of light fixtures. Provide lighting in accordance with the DDC – Electrical and DMS.

O. **Electrical** - Provide Electrical System in accordance with the DDC – Electrical and DMS.

P. **Student Toilets** - Follow the DDC – Architectural and Plumbing for locating, designing and equipping student toilet facilities.

Q. **Entrances –** Entrance shall comply with the requirements of the DDC – Architectural.

R. **Lockers** - Lockers shall be located in air-conditioned corridors. Refer to DMS.

S. **Clock and Bell System** - GPS master satellite clock system (wireless) shall be utilized throughout the facility and provided and installed by the contractor. Bell system shall have automatic and manual operation.

T. **Intercommunications System** - Provide two-way intercom system in accordance with the DDC - Electrical.

U. **Instructional Television System –** Provide ITV system in accordance with the DDC – Electrical and DMS sections in Division 16.

V. **Color/Finishes** - Harmonizing colors shall be used to enhance the design of the plant. The architect shall submit colors for review and approval by the SDPBC Department of Program Management. The exterior of the buildings shall use a maximum of three (3) different colors and the interior of the buildings shall use a maximum of four (4) different colors with one of the four interior colors serving as the accent color for the instructional space. Exterior materials and coatings shall be graffiti resistant and easily cleaned to the maximum extent practical. The architect shall submit finishing schedules and mill work for review and approval by the SDPBC Department of Program Management.

W. **Display Case** - A built-in recessed display case with tackable backboard shall be located in the entrance foyer, music area and art area and media center. A built-in trophy case with tackable backboard shall be located in gymnasium and auditorium. Provide safety glass. The recessed display case shall be 6'W x 4'H and 36" off the floor.

X. **Communications (Voice and Data)**- Provide Communication systems in accordance with the DDC - Electrical.

Y. **Safety** - Provide safety devices in accordance with the DDC, DMS and FBC.

Z. **Site Fire Protection** - Refer to the DDC, DMS, FBC and FFPC.

AA. **Automobile Parking** - Provide parking in accordance with traffic control section, DDC – Architectural and Civil. Visitor parking shall be provided near the entrance to he administrative suite.

AB. **Water Outlets** - Provide hose bibs in accordance with the DDC - Plumbing.

AC. **Potable Water** - Systems shall be designed in accordance with the DDC – Civil and Plumbing.

AD. **Pavement, Site Improvements** - Provide all pavement, markings, signage and other site improvements in accordance with the DDC - Civil.

AE. **Sanitary Sewer** - Systems shall be designed in accordance with the DDC – Civil.

AF. **Storm Water Drainage** - Systems shall be designed in accordance with the DDC -Civil.

AG. **Irrigation Water –** System shall be designed in accordance with the DDC – Civil and SFWMD.

AH. **Structural** - Systems shall be designed in accordance with the DDC - Structural.

AI. **Bulletin Boards** - In addition to any bulletin boards specified in departmental specifications, the contractor shall provide eight lineal feet of tackboard in the corridor outside each classroom, resource room, music room, art room, career education classrooms, media center and administration. Bulletin (tack) boards shall not be less than 36" vertical measurement.

AJ. **Ceiling Heights** - Ceiling height shall be in accordance with the DDC - Architectural.

AK. **Crowd Control** - The design shall reflect good crowd control. Consideration shall be given to large groups that enter and leave the site at times of public and school events.

AL. **Energy Conservation** - The building and its systems shall be designed in accordance with the DDC – Mechanical.

AM. **Community School** - The general plan and campus design shall be arranged to permit and facilitate use of all appropriate school facilities by community agencies when these spaces are not in use for the regular school program. Community school considerations include ready access from parking lots to all athletic and recreational facilities, meeting rooms, music facilities, media center, cafeteria, auditorium and community school coordinator's office. Offices(s) shall be located near the parking lot with adequate lighting and natural surveillance.

AN. **Exterior Building Materials** - Major exterior building materials shall be fully documented in the design phase of project development for review and approval by

the SDPBC Superintendent or his/her designee. Exterior materials and coatings shall be graffiti resistant and easily cleaned to the maximum extent practical. Refer to the DDC – Architectural.

AO. **Instructional Technology -** Provide conduits, wiring, data outlets and receptacles for computer network requirements. Provide spaces and special air-conditioning for computer- related electronics. Refer to the DDC.

AP. **School Site and Play Fields** - The school site and play fields shall be designed in accordance with the DDC – Architectural and Civil.

AQ. **Working Heights** - Provide built-in equipment and furnishings in accordance with the DDC - Architectural.

AR. **Ventilation** - Ventilation shall be designed in accordance with the DDC - Mechanical.

AS. **Program Furniture and Equipment** - Program furniture and equipment list, in this document, is a design guide for determining space requirements and it is not intended as an ordering guide. Use existing furniture and equipment where possible.

AT. **Natural Gas** - Refer to the DDC - Plumbing.

AU. **Design Notebooks** - Refer to the DDC - Mechanical.

AV. **Communications Room** - Every facility shall have one Communication Equipment Room (CER) and several Communication Closet Rooms (CCR) as necessary to comply with the DDC – Electrical and Mechanical.

AW. The Architect/Engineer shall request a clarification from the Senior Project Administrator (SPA) of any conflicts between the Educational Specification, DDC or DMS.

AX. For high schools, contractor to provide a lighted double sided marquee/school sign, 9'x12' in size, with adequate electrical service stubbed out for future wireless LED message area upgrades.

AY. Refer to the DDC – electrical and DMS with regards to ceiling projectors raceway system. Contractor to provide ceiling projectors raceway system with all necessary wiring and properly supported projector mounting brackets in all instructional spaces and other designated areas. Obtain the latest detail of installation and specifications from the District's Network Services Department.

AZ. Those high schools designed by the Emergency Operation Center will be Hurricane Shelters and the principal's restroom may be equipped with a shower.

BA. 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.

BB. Each school center shall a lightning detection device system.

BC. All built-in counters shall be wire management holes (grommets) to service telephones and computer hook-ups.

BD. When possible, the "head-in" equipment shall be located in the production room in the Library Media Center. The equipment should not be located in the control room of the CCTV studio.

BE. Schools under modernization and/or comprehensive addition shall have the interior signage comply with the building and room numbering of the School District's guidelines. Room names and numbers on signage shall be coordinated with SDPBC Interior Design Coordinators.

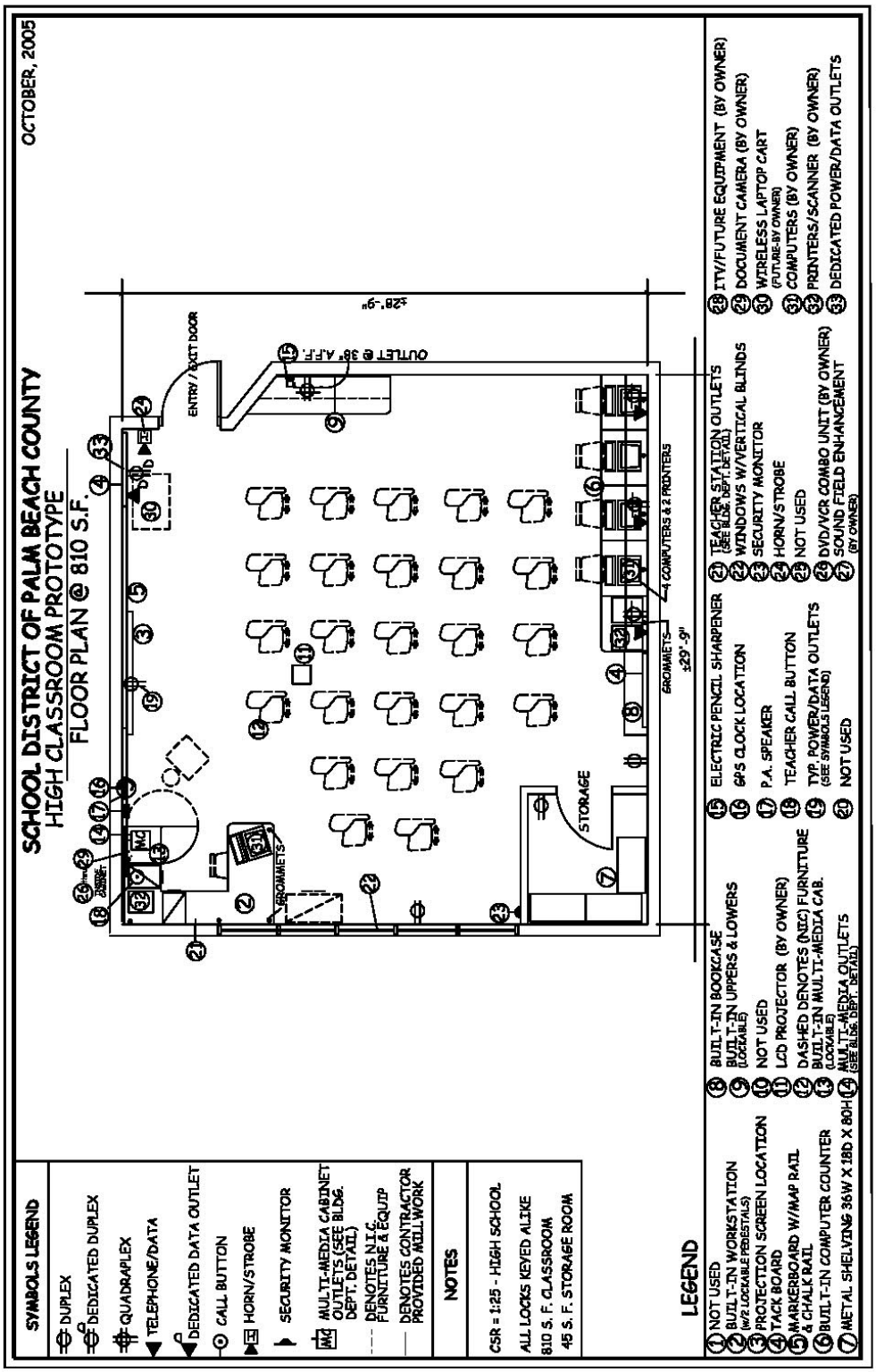
BF. Contractor to provide a 30' high flagpole with two complete rope systems. The flagpole shall be located near the main office/administration.

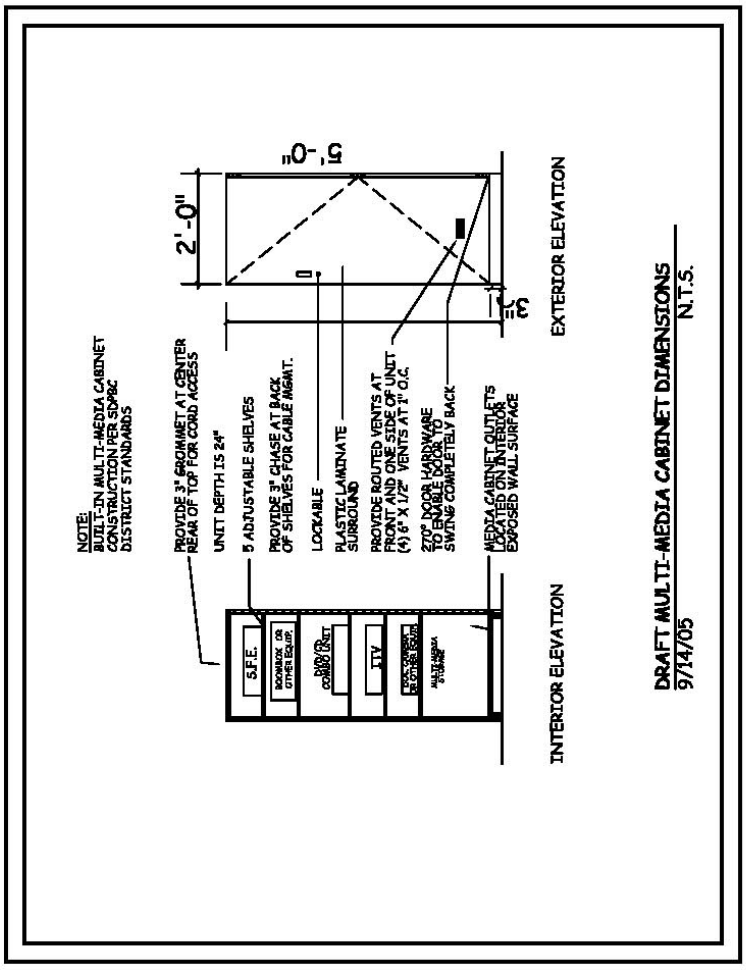
BG. Refer to the DDC – electrical and DMS with regards to conduit and junction box for sound field enhancement system and LCD projector.

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. 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.


SCHOOL DISTRICT OF PALM BEACH COUNTY
HIGH CLASSROOM PROTOTYPE
FLOOR PLAN @ 810 S.F.
OCTOBER, 2005
SYMBOLS LEGEND
DUPLEX
DEDICATED DUPLEX
QUADRAPLEX
TELEPHONE/DATA
DEDICATED DATA OUTLET
CALL BUTTON
HORN/STROBE
SECURITY MONITOR
MULTI-MEDIA CABINET OUTLETS (SEE BLDG. DEPT. DETAIL)
DENOTES N.I.C. FURNITURE & EQUIP
DENOTES CONTRACTOR PROVIDED MILLWORK
NOTES
CSR = 1:25 - HIGH SCHOOL
ALL LOCKS KEYED ALIKE
810 S. F. CLASSROOM
45 S. F. STORAGE ROOM
LEGEND
1 NOT USED
2 BUILT-IN WORKSTATION (W/2 LOCKABLE PEDESTALS)
3 PROJECTION SCREEN LOCATION
4 TACK BOARD
5 MARKERBOARD W/MAP RAIL & CHALK RAIL
6 BUILT-IN COMPUTER COUNTER
7 METAL SHELVING 36W X 18D X 80H
8 BUILT-IN BOOKCASE
9 BUILT-IN UPPERS & LOWERS (LOCKABLE)
10 NOT USED
11 LCD PROJECTOR (BY OWNER)
12 DASHED DENOTES (NIC) FURNITURE
13 BUILT-IN MULTI-MEDIA CAB. (LOCKABLE)
14 MULTI-MEDIA OUTLETS (SEE BLDG. DEPT. DETAIL)
15 ELECTRIC PENCIL SHARPENER
16 GPS CLOCK LOCATION
17 P.A. SPEAKER
18 TEACHER CALL BUTTON
19 TYP. POWER/DATA OUTLETS (SEE SYMBOLS LEGEND)
20 NOT USED
21 TEACHER STATION OUTLETS (SEE BLDG. DEPT. DETAIL)
22 WINDOWS W/VERTICAL BLINDS
23 SECURITY MONITOR
24 HORN/STROBE
25 NOT USED
26 DVD/VCR COMBO UNIT (BY OWNER)
27 SOUND FIELD ENHANCEMENT (BY OWNER)
28 ITV/FUTURE EQUIPMENT (BY OWNER)
29 DOCUMENT CAMERA (BY OWNER)
30 WIRELESS LAPTOP CART (FUTURE-BY OWNER)
31 COMPUTERS (BY OWNER)
32 PRINTERS/SCANNER (BY OWNER)
33 DEDICATED POWER/DATA OUTLETS
ENTRY / EXIT DOOR
OUTLET @ 36" A.F.F.
±28'-9"
±29'-9"
GROMMETS
4 COMPUTERS & 2 PRINTERS
STORAGE


NOTE:
BUILT-IN MULTI-MEDIA CABINET
CONSTRUCTION PER SDP&C
DISTRICT STANDARDS
PROVIDE 3" GROMMET AT CENTER REAR OF TOP FOR CORD ACCESS
UNIT DEPTH IS 24"
5 ADJUSTABLE SHELVES
PROVIDE 3" CHASE AT BACK OF SHELVES FOR CABLE MGMT.
LOCKABLE
PLASTIC LAMINATE SURROUND
PROVIDE ROUTED VENTS AT FRONT AND ONE SIDE OF UNIT (4) 6" X 1/2" VENTS AT 1" O.C.
270° DOOR HARDWARE TO ENABLE DOOR TO SWING COMPLETELY BACK
MEDIA CABINET OUTLETS LOCATED ON INTERIOR EXPOSED WALL SURFACE
5'-0"
2'-0"
3"
S.F.E.
BOOKNOOK OR OTHER EQUIP.
DVD/CD COMBO UNIT
VCR
EXTERIOR ELEVATION
INTERIOR ELEVATION
DRAFT MULTI-MEDIA CABINET DIMENSIONS
9/14/05
N.T.S.

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, bite and auto parking spaces, courtyards, portables, entry/exit points throughout the interior perimeter barrier, playfields, etc. to not exceed three feet (3'), for a distance of fifty feet (50'). Consideration should be taken when locating landscaping to assure that it will not block lighting.

I. Locate teacher planning areas throughout the campus to provide supervision for potential problem areas. Acceptable locations are at ends of buildings and center of hallways.

J. Provide zoned lighting to allow for security during community school activities at night. Consider use of motion detector lights in isolated areas.

K. Design roofs without obstructions that could conceal persons from view. Roof access shall be properly secured and lockable.

L. Provide two (2) KNOX Box for emergency key access to the site and buildings(s), one for school police and one for the fire department. Coordinate with local fire department and district personnel.

SITE DEVELOPMENT

A. All site plans shall comply with SDPBC Technical Requirements Manual for Site Plans.

B. Refer to the District Design Criteria (DDC).

C. Landscaping plan shall contribute to the development of a balanced and harmonious appearance of the educational complex. Landscaping shall be based on surveys of existing plants on the site and a palette of species of plants native to the vicinity. Plantings shall be site specific with special consideration given to minimizing supplemental irrigation systems, energy efficiency and maintainability of the designed vegetation systems, from installation to maturity. Supplemental irrigation systems to be used shall provide for total coverage of landscape areas. Where practical, minimum plant sizes and maximum spacing shall be used. Landscaping shall be in compliance with State Requirements for Educational Facilities Guidelines.

TRAFFIC CONTROL

The following traffic related activities occur on the school site:

1. Approximately, 20-30 school buses will enter and exit the site at the beginning and end of each school day.

2. Approximately, 270 staff will enter and exit the site daily.

3. Service and visitor vehicles will enter and exit the site daily.

4. Private vehicles of spectators attending extra curricular activities will enter and exit the site periodically.

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

Specific consideration shall be given to the following:

1. Parking spaces shall be conveniently located for approximately (235) staff, (565) students, (25) visitors and (40) service personnel. Ten of these to be convenient to kitchen. Parking locations shall be located on-site and/or off-site.

2. Visitor parking shall be provided near the administrative suite and will naturally lead to the administrative suite reception entry.

3. A fenced parking area with lockable gates for bicycles shall be provided.

4. Student pedestrian traffic to play fields shall not cross any vehicular traffic area.

5. Refer to **District Design Criteria (DDC).**

BIOTECHNOLOGY

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 Biomedical/Biotechnology career exploration.

II. PROGRAM GOALS

A. Maximize laboratory use and provide a laboratory-centered science experience for the specific use of students in a Biotechnology-based curriculum.

B. Provide a laboratory program with the newest technologies to create pathways to careers in Biotechnology.

C. To create one of the most advanced biotech programs in the country.

D. To develop working partnerships with community organizations and create intern-ready students for working in biotech facilities.

III. PROGRAM ACTIVITIES

A. Courses Offered

1. Microbiology
2. Biology I, II, honors & AP
3. Marine Science
4. Chemistry I, II, honors & AP
5. Agriculture/Plant Genetics
6. Science Research I - IV
7. Anatomy and Physiology R & AP
8. Botany
9. Zoology
10. Astronomy
11. Environmental Science
12. Ecology
13. Computer Science/Information Technology
14. Genetics
15. Manufacturing Processes

Dual Enrollment Courses will be offered through the Distance Learning Center and opportunities for post-secondary articulation will be stressed.

The facilities must be adaptable to all these curricula. It is planned that all courses will be taught with an emphasis on investigation, research and it's applications

B. Teacher Activities

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

C. Student Activities

1. Classroom/Laboratory

a. Perform activities in small and large groups.

b. Listen to lecture and participate in class discussions.

c. Participate in Distance Learning activities.

d. Participate in small group activities with display equipment, such as aquarium models and other apparatus for class projects not requiring laboratory facilities.

e. Maintain animals and plants in an environment conducive to study.

f. Plan, prepare, demonstrate, and exhibit science research projects for science fairs and student organizations.

g. Utilize counter space to read earth science maps, operate computers, etc.

h. Study and experiment individually.

i. Perform experiments in a humid and light controlled environment.

j. Perform scientific experiments in groups of two or three. These experiments will apply, prove and/or test basic theories which have been presented in the classroom.

k. Use a variety of microscopes to observe specimens and project microscope images through the use of projectors.

l. Utilize apparatus, equipment and perform scientific experiments requiring electricity, water, air, and gas.

m. View ITV, and videos individually and in groups.

n. Interface the computer with basic laboratory equipment.

IV. ORGANIZATIONAL NOMENCLATURE

Teacher - Student Ratio 1:24
Grade Levels for Which Program is Intended 9 - 12

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

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

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

B. Community School utilization in science-related interest areas, e.g., Biotechnology, Agricultural and Manufacturing.

C. Science areas shall have a lockable, equipment maintenance room with hose bibbs to allow cleaning and storage of wet equipment after field trips.

D. The science laboratories shall be equipped for Biology, Chemistry, Physics, Agriculture and other related Science programs.

E. Provide for distance learning opportunities through a Distance Learning Center which will include document cameras and other video conference technology.

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

A. Technology Resource Room/Related Classroom shall be used as a Distance Learning Center.

VII. PROGRAM FACILITIES LIST

Design Code	Spaces	Description	SREF Sq. Ft. Total	Proposed Sq. Ft. Per Unit	Proposed Sq. Ft. Total	Proposed Stu. Sta. Unit	Proposed Stu. Stat. Total.
		Bio-Technology					
243	1	Laboratory #1			3,240		25
852	1	Technology Resource Center			1,200		
854	1	Darkroom			200		
810	1	Chemical Storage			310		
		Subtotal			**4,950**		
243	1	Laboratory #2			2,280		25
810	1	Material Storage			260		
		Subtotal			**2,540**		
243	1	Laboratory #3			2,280		25
810	1	Material Storage			260		
		Subtotal			**2,540**		
		Other Spaces					
841		Outside Greenhouse			800		
		TOTAL			**10,830**		

II. PROGRAM FURNITURE AND EQUIPMENT

A. Laboratory #1 & #2 (per lab)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
8	X		Lab tables to seat four students at each table; F.A.C.B.C. accessible, flat table top with acid resistant counter: no monitor well turret, enclosure or infrared remote keyboard; include double stainless steel sink (in center of the table), deep, with cover for when sink is not in use; exclude portable cabinet cubicles and upright clamp rod assembly; include cold water unicast fixture with gas, air, electric and data (no unimix H/C). Place electrical underneath the tables at the ends.
32		X	Student combo desks or tables with chairs
1		X	Teacher desk and chair
1		X	Laboratory Stool, adjustable back
32		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
2		X	Laboratory cart, portable
1	X		Fume hood, permanent, vented to outside
1		X	Safety shield, (explosion shield) portable

No. of Items	Contractor Provided	District Provided (FF&E)	Description
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
20		X	Microscope, 1000x oil immersion
40		X	Safety goggle and spill-control pillows
1		X	Sand bucket, 25 pounds
32		X	Student apron
1		X	Teacher Lab coat
1		X	Electronic Scale
1		X	Ultrasonic cleaner
1		X	Microviewers
1		X	Flex Cam
32		X	Triple-beam balance
1	X		Autoclave
4		X	Lanamar flow hood
1		X	Centrifuge
1		X	Deluxe Gel Electrophoresis apparatus
1		X	Transaluminators (UV box for DNA stain)
1		X	Dual Water baths – temp controlled
1		X	Large Spectrophotometer with both UV & IR capability
4		X	Spectrophotometers
1		X	Specialized DNA analysis software
1		X	DNA sequencing system
1		X	Microwave (large enough to hold 1 liter)
		X	Digital camera & video
		X	Vertical & horizontal gel boxes
		X	Bench top shakers (bacterial growth)
1		X	Incubator
1	X		Deluge shower and eye wash
1		X	Mobile agriculture station
2		X	PH machines (desk top)
2		X	PCR machine
		X	Digital camera(s)
		X	Micropipettor(s)
		X	Manufacturing Equipment (CNC Mills, Lathes, hydraulics, etc.)
1	X		Glassware drying rack, mounted above sink
8	X		Refrigerator and microwave at end of each lab tables
1	X		Dishwasher, commercial grade
1	X		Double stainless steel sink adjacent to dishwasher
30		X	Computer (laptops)
4		X	Printer
1		X	Computer and printer for teacher
1	X		Chemical Storage Cabinet
2	X		Marker board, stackable, 4' x 16', with map rail and flag holder
2	X		Tack Board, 4’ x 4’

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		8'w x 6'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		Display cabinet, transparent front
1	X		Clock
1	X	X	LCD Projector
1	X	X	Sound Field Enhancement
1	X		Multimedia Cabinet (refer to general considerations)
1		X	DVD/VCR combo
1		X	Document camera
1		X	Wireless laptop cart
	X		Built-ins (refer to special considerations)
1	X		Teacher demonstration table (refer to special considerations)

B. Laboratory #3

No. of Items	Contractor Provided	District Provided (FF&E)	Description
		X	30 station Bio Tech computer based modular with electrical and data hook-ups
1		X	Teacher desk and chair
1		X	Laboratory Stool, adjustable back
1		X	Activity table, 30"W x 72"L
32		X	Student desk combo
1		X	File cabinet, four-drawer, legal, lateral, lockable, chemical resistant top
2		X	Laboratory cart, portable
1		X	Trash can, 25-gal., non-metal
1		X	Spark-resistant safety can for disposal of flammables
1		X	Flex Cam and microscope
30		X	Triple-beam balance
30		X	Computer
4		X	Printer
1		X	Computer and printer for teacher
2	X		Marker board, stackable, 4' x 16', with map rail and flag holder
1		X	Smart Board, large in size
2	X		Tack Board, 4' x 4'
1	X		8'w x 6'h Video Format Screen with black masking borders
1	X		Deluge shower and eye wash
1		X	Pencil sharpener, electric
	X		Fire extinguishers, per code
1	X		Fire blanket, wall-mounted

No. of Items	Contractor Provided	District Provided (FF&E)	Description
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	X	LCD Projector
1	X	X	Sound Field Enhancement
1	X		Multimedia cabinet (refer to general considerations)
1		X	DVD/VCR combo
1		X	Document camera
1		X	Wireless laptop cart
1	X		Teacher demonstration table (refer to special considerations)
1		X	Mobile teacher demonstration table/cart with sink, electrical, data and overhead viewing mirror

C. Chemical Storage (shared between Lab #1 & Lab #2)

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

D. Material Storage (shared between Lab #1 & Lab #2)

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Refrigerator with ice maker, commercial, shared within department
1		X	Trash can, 25-gal. capacity, non-metal
1	X		Glassware drying rack, mounted above sink
2	X		Double stainless steel sink, deep
1	X		Ice maker, under cabinet
	X		Built-ins (refer to special considerations)

E. Material Storage (Lab #3)

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

F. Technology Resource/Related Classroom (Distance Learning Center)

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

G. Darkroom

No. of Items	Contractor Provided	District Provided (FF&E)	Description
2	X		Double stainless steel sink
		X	UV Lighting System

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

H. Outside Greenhouse

No. of Items	Contractor Provided	District Provided (FF&E)	Description
	X		Tables for plants
	X		Overhead watering system
2	X		Utility Tub/Sink
	X		Climate Control System
	X		Built-ins (refer to special considerations)

I. 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)

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. **Laboratories:** 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. **Chemical Storage:** Provide vent to outside.
5. **Chemical Storage Cabinets:** Provide vent to outside.
6. **Outdoor Greenhouse:** Provide Climate Control System.

B. Acoustical - As required to meet District Standards.

C. Floor - As required to meet District Standards. Laboratories shall have chemical and damage-resistant surface. Storage areas and dark room shall be chemical-resistant. Chemical storage room shall be treated concrete. All laboratories shall have floor drains under the shower.

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.

G. **Windows –** As required to meet District Standards. Provide observation window between material storage and laboratories. Provide observation window with blinds between darkroom and laboratory.

H. **Doors** - As required to meet District Standards.

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 patio area.

J. **Communications** - As required to meet District Standards.

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 and dark room. Based on program furniture and equipment, provide electrical as required. Provide electric at the tables and wall at the outside patio area. Provide some high voltage electrical outlets at the computer stations in Laboratory #1 and Laboratory #2 for future manufacturing equipment.

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

M. **Gas and Air** - As required to meet District Standards. Provide two gas lines at teacher station and at student stations. Provide compressed air, gas and water at teacher station and at student stations. Provide master shut-off valves for gas and compressed air. Based on program furniture and

equipment, provide gas and compressed air as required. Provide air to clean room.

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

O. **Fencing –** As required to meet District Standards.

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

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

R. **Built-ins**

1. **Laboratory (#1 & #2) –**

a. Provide and position counters with lockable cabinets below and glass-fronted cabinets above. Leave at least 2' of space between counter and upper cabinets to accommodate computers and other equipment.
b. Provide counter area for six (6) computers, including phone modem and lock down capability. Each computer station shall be 6’ in length for a total of 36’ of counter. Electrical serve shall be located above counter.
c. Bookcases, 30"H, adjustable shelves.
d. Provide microscope cabinet to house microscope (60), and stereoscopic microscope (15), lockable.
e. Provide teacher demonstration table, 72”, permanent with sink, water, electrical, gas, air and data connections with above demonstration mirror.
f. Provide base cabinet with double sink adjacent to dishwasher in laboratory.
g. Provide multimedia cabinet - refer to General Considerations.

2. **Laboratory (#3)**

a. Bookcases, 30"H, adjustable shelves.
b. Provide teacher demonstration table, 72”, permanent with sink, water, electrical, gas, air and data connections with above demonstration mirror.
c. Provide multimedia cabinet - refer to General Considerations.

3. **Material Storage –** Provide acid-resistant counter on two walls with double, deep sink (2) with residue traps, full service (gas, air, electricity, water); lockable drawers and base cabinets with adjustable

shelves. Provide wall cabinets, glass-front doors, lockable, with adjustable shelves on available wall space. Provide floor-to-ceiling, adjustable shelves, 12"D, on available wall space. Provide electric, data and phone.

4. **Chemical Storage –** Provide stone top counter, approximately, 10', with acid-resistant sink and full service; lockable storage below and above. Provide 100 lineal feet, 14"D, chemical storage shelving, non-corrosive. Provide full-height, adjustable shelving on available wall space, with lip, non-corrosive.

5. **Darkroom** – Provide counter on one wall with deep sink with residue traps, lockable drawers and adjustable shelf base cabinets. Provide upper cabinets, lockable and adjustable shelves. Provide floor to ceiling, adjustable shelves, 12" D, on one wall.

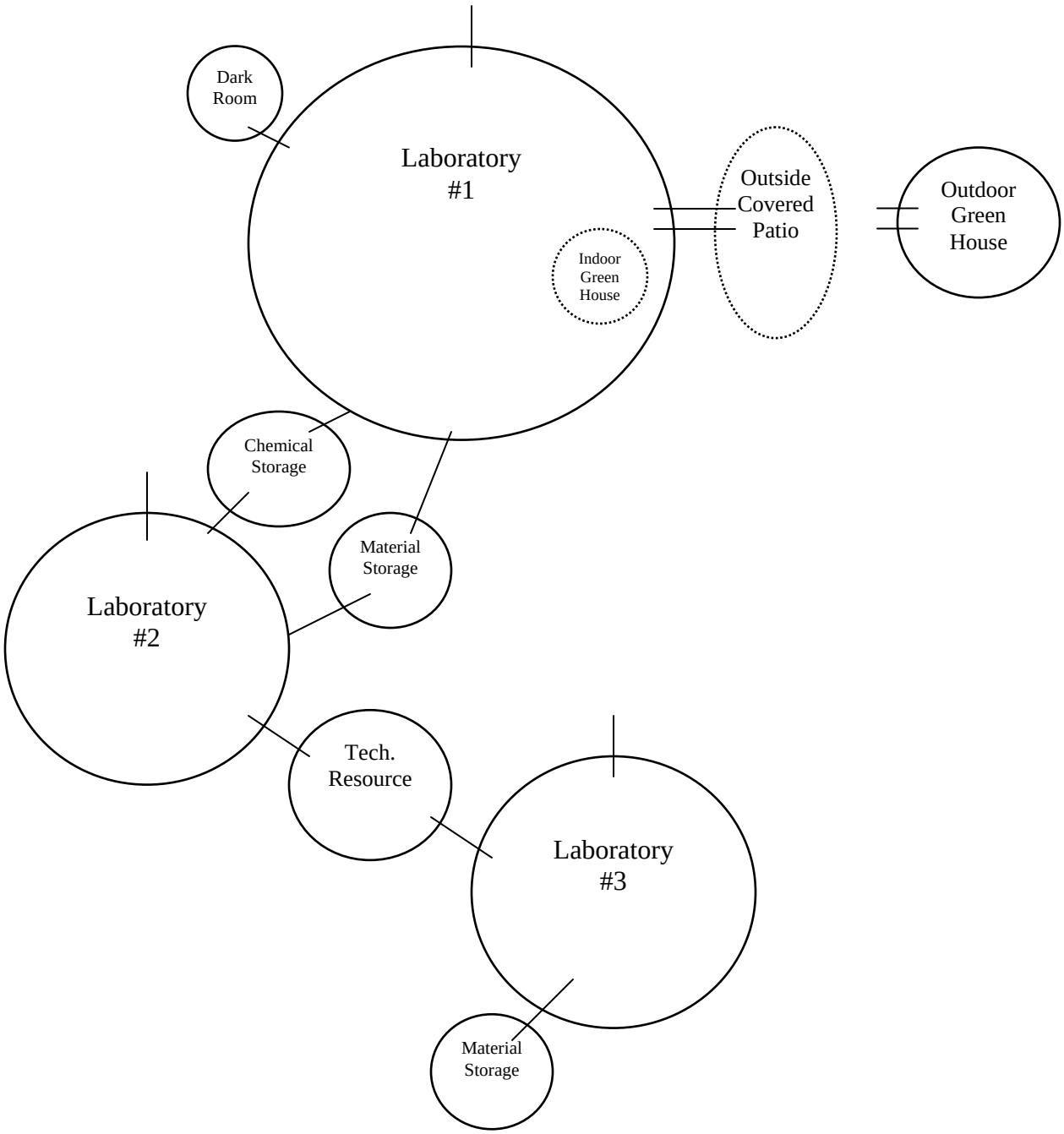
6. **Technology Resource Center (Distance Learning Center)** – Provide theater type seating and workspace for approximately 30 computer and students. The electrical and computer/data hook ups should be located below the counters. The counters shall have grommets for wire management.

S. Other Considerations

1. Provide grease traps, where necessary.
2. Chemical storage to have outside wall in case of explosion.
3. Student activities take place in the perimeter areas of the laboratory. Laboratory shall require adequate standing height work surface.
4. A dispensing area located in the laboratory is necessary to issue supplies and equipment.

SPATIAL RELATIONSHIPS

Bio-Technology



CUSTODIAL

I. PROGRAM PHILOSOPHY

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

II. PROGRAM GOALS

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

III. PROGRAM ACTIVITIES

A. Prepare and maintain adherence to work schedules to ensure regular, daily cleaning of the entire facility in accordance with "Instructional Handbook for Custodians."

B. Maintain personal use facilities (restrooms, water fountains, shower rooms, sinks) in clean and sanitary condition to minimum standards of State Requirements for Educational Facilities (S.R.E.F.) regulations and in accordance with the "Instructional Handbook for Custodians."

C. Assure that school grounds are kept free of litter and safety hazards.

D. Report all hazardous conditions immediately.

E. Observe and adhere to all safety and fire regulations regarding storage of material and maintenance and use of equipment.

F. Maintain security of buildings during non-school hours.

G. Report any items in facility in need of repair.

H. Maintain custodial equipment so that it is clean and usable at all times.

I. Use only authorized materials, methods and equipment to accomplish program goals.

J. Maintain orderly storage and running inventory of custodial supplies and reorder as necessary for timely replacement.

K. Attend training classes as provided.

IV. ORGANIZATIONAL NOMENCLATURE

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

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES

N/A

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

N/A

VII. PROGRAM FACILITIES LIST

Design Code	Space	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
CUSTODIAL							
330/331		Custodial (as required by code)			113		

VIII. PROGRAM FURNITURE AND EQUIPMENT

A. 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)

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

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

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

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

C. **Floor** - As required to meet District Standards.

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

E. **Ceiling** - As required to meet District Standards.

F. **Lighting** - As required to meet District Standards.

G. **Windows** - As required to meet District Standards.

H. **Doors** - As required to meet District Standards.

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

J. **Communications** - As required to meet District Standards.

K. **Electrical** - As required to meet District Standards

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

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

N. **Safety** – As required to meet District Standards.

O. **Fencing** - As required to meet District.

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

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

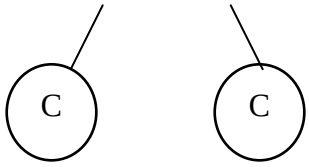
R. **Built-ins** -

1. **Service Closets** – Provide adjustable, 12"D, steel shelving, on one wall, mid-wall to ceiling.

S. **Other Considerations**

N/A

SPATIAL RELATIONSHIPS
Custodial



C=Service Closets per Code

RESTROOMS

Provide staff restroom adjacent to teacher planning for shared disciplines. Ceramic tile in toilets shall be floor to ceiling.

Design Code	Space	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)							
815/816		Student Restrooms			113		
819/820		Staff Restrooms			30		

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

TEACHER PLANNING

I. PROGRAM PHILOSOPHY

Refer to overall. (Page 1)

II. PROGRAM GOALS

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

III. PROGRAM ACTIVITIES

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

IV. ORGANIZATIONAL NOMENCLATURE

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

V. INNOVATIONS, EXPERIMENTAL IDEAS, OTHER PLANNED USES -

N/A

VI. JUSTIFICATION FOR VARIANCE FROM SREF REQUIREMENTS

N/A

VII. PROGRAM FACILITIES LIST

Design Code	Space	Description	SREF Sq. Ft. Total	Proposed		Proposed	
				Sq. Ft. Per Unit	Sq. Ft. Total	Stu. Sta. Unit	Stu. Stat. Total.
TEACHER PLANNING							
315	1	Teacher Planning		1,068	1,068		

VIII. PROGRAM FURNITURE AND EQUIPMENT

No. of Items	Contractor Provided	District Provided (FF&E)	Description
		X	Vending machine(s)
1		X	Copier
10-12		X	Computers
10		X	Printers

No. of Items	Contractor Provided	District Provided (FF&E)	Description
1	X		Tack board, 4' x 6'
1	X		Clock
2-3		X	Activity Table
10-12		X	Chairs
1	X		Refrigerator
1	X		Microwave
	X		Built-ins (refer to special considerations)
1	X		Mirror & vanity in staff restroom

IX. SPECIAL CONSIDERATIONS - CONTRACTOR PROVIDED

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

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

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

C. **Floor** - As required to meet District Standards.

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

E. **Ceiling** - As required to meet District Standards.

F. **Lighting** - As required to meet District Standards.

G. **Windows** - As required to meet District Standards.

H. **Doors** - As required to meet District Standards.

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

J. **Communications** - As required to meet District Standards.

K. **Electrical** - As required to meet District Standards.

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

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

N. **Safety** - As required to meet District Standards.

O. **Fencing** - As required to meet District Standards.

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

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

R. **Built-ins** -

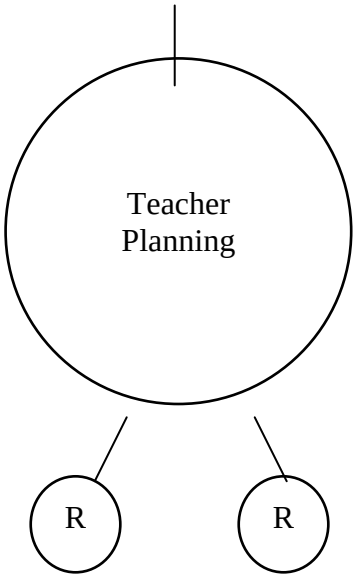
1. Provide mirror and shelf over sinks.

2. Full-length mirror in restroom.

3. Provide teacher carrels with lockable pedestal to accommodate ten (10) teachers with computer and printer. Provide lockable upper cabinets above teacher carrels. The teacher carrels shall have grommets for wire management.

4. Provide upper and lower cabinet with sink.

SPATIAL RELATIONSHIPS
Teacher Planning



R=Restroom

Facility Space Summary

Spanish River High
Grades 9-12
Student Stations: 75

Facility Area	Proposed Student Stations	Net Assign Square Feet (NASF)
Biotechnology	75	10,830
Staff Restroom		30
Student Restroom		113
Custodial		113
Teacher Planning		1,068
Totals	**75**	**12,153**
Mechanical @ 6%		729
Total Net Sq. Ft.		**12,882**
Circulation, Walls etc. @ 34%		4,380
Total Gross Sq. Ft.		**17,262**

The existing facilities would be analyzed by the project architect to determine appropriate usage of the buildings for necessary renovations and/or remodeling to meet SREF size standards, ADA requirements and other code issues.