

Educational Specifications

Prototype High School

January 2009

School Board Members

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INTRODUCTION

The Educational Specifications are intended to be used as a planning tool by architects and other professionals responsible for the development of the facility. The Educational Specifications provide general details for proposed spaces while leaving ample flexibility in design by the architect. Specific details are contained in standards that are updated, as needed, by Construction, Technology, Safety & Security, and other departments. Furniture, fixtures, and equipment lists are no longer in this document; FF&E items will appear in these Ed Specs only when the design needs to ensure that adequate space is provided for the item.

The graphic representations of the space chart are intended to establish adjacencies and not to set design. Spaces shall be arranged for the various program areas in a configuration compatible with the overall traffic control and site needs of the school plant.

The Educational Specifications have been developed in conjunction with District Staff and school-based personnel. The specifications will result in facilities that are functional, energy efficient, safe, secure, technologically advanced and flexible in design. This high school specification ensures a Small Learning Community model with secure ingress and egress points. The number of classroom spaces, and the size of the core spaces, in the Facility List coincide with the largest high school contemplated; a Facility List for each construction project will reflect the actual enrollment to be accommodated.

This document provides an excellent prototype for Sarasota County School's future high schools and a means by which to determine the extent to which existing high schools are adequate. The district may depart from this prototype, at the recommendation of the Superintendent and approval by the School Board, to provide amenities which (a) meet the particular culture or programs reflective of specific school communities, (b) are clearly defined in the school's instructional delivery system, and (c) receive community and/or outside financial support.

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DESIGN CRITERIA

The following general guidelines should be considered in plant design. Wherever individual sections refer to "standard," these overall considerations shall be the reference.

A. GENERAL

1. **Codes** - Applicable codes shall include, but not be limited to:

- Florida Building Code with latest revisions,
- State Requirements for Educational Facilities (S.R.E.F.),
- HB 7135 which mandates the construction of energy efficient and sustainable schools
- The School District of Sarasota County standards and guidelines,
- Florida Accessibility Code for Building Construction (F.A.C.B.C.) as referenced in Chapter 11 Florida Building Code.
- American Disabilities Act

Any educational specifications contained herein that are in conflict with applicable codes shall be modified by mutual consent between the architect and the School District to the extent necessary to eliminate the conflict and comply with code requirements.

2. **Security** – The design shall use "safe school design" principles through the use of Crime Prevention Through Environmental Design (CPTED). CPTED principals include natural surveillance of school grounds, access control and territoriality. CPTED features include, but are not limited to, controlled access entrances, fencing, sufficient entrances and exits, signage and front desks having views of the entrance. The design shall be committed to maximum security from unauthorized or illegal entry during school hours and when the school is not in session. Internal security preventatives such as limited access, locked storage, proper lighting, etc., shall be considered. The exterior of the building shall not have "natural ladders", blind corners or areas where security would be difficult. Security systems shall be included as directed per contract documents.

3. **Flexibility** – Design consideration shall be given to flexibility to allow for future program changes, future additions and/or expansions of the school plant.

4. **Safety** - Provide safety devices in accordance with State and Federal requirements. Exits, exit lights, panic hardware, etc., shall be provided according to State and Federal requirements. Fire extinguishers and automatic extinguishing systems shall be placed as required.

5. **Crowd Control** – The design shall reflect manageable crowd control. Consideration should be given to the efficient movement of students between activities during school hours and after school.

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6. **Construction Techniques** – Design considerations shall be given to ensure rapid and economical construction but be consistent with the long-range maintenance and flexibility requirements of a permanent school plant. Standardized building components may be utilized.
7. **Economy** – All major alternatives shall be evaluated by standard life-cycle costing procedures. **First costs** (building construction, fees for architects/engineers and construction manager services, legal fees, interim financing and cost of the owner's staff), **operating costs** (operating personnel, energy, maintenance, repair, taxes and permanent financing) and **use costs** (salaries of workers, devices or equipment used and space adjustments) are to be considered. In particular, construction plans shall determine the most cost-efficient means to ensure energy efficiency and sustainability.
8. **Instructional Technology** – Provisions shall be made for the immediate and future use of state of the art instructional technology, as well as networked informational and communication technology in all appropriate spaces.

B. **BUILDING COMPONENTS**

1. **Windows** – Windows shall be operable where appropriate and all window areas shall allow a high degree of efficiency in heating and cooling but shall not be so few as to require evacuation of the school plant in the event of a power failure or other failures of cooling equipment. All instructional areas shall have natural lighting. Control of natural light shall be provided for exterior windows, sufficient for room darkening required for audio-visual presentations. Additional measures such, as impact-resistant glass, vandal-resistant window treatments, etc. may be requested dependant on the project specific plan review process.
2. **Floors** – Unless otherwise specified, floors shall have VCT or carpeting, with 6' walk-off mats where applicable. Any specified carpeting shall meet district-wide standards. Janitor closets, mechanical and electrical rooms shall be sealed concrete. All toilet rooms & showers shall be ceramic tile with epoxy grout.
3. **Walls** – Group toilet rooms shall be ceramic tile from floor to ceiling. Service closets and individual toilet rooms shall have ceramic tile from floor to ceiling.
4. **Roof** - Roof pitch shall be adequate to ensure rapid runoff and shall conform to code. Storm water shall be collected and conveyed to storm water management system. No skylights will be utilized. Twenty year no dollar limit warranty roof shall be provided. Use of rooftop equipment shall be limited.
5. **Ceilings** – Ceilings shall be 2' X 4' suspended standard fissured acoustical tile unless otherwise specified. Mechanical rooms shall have ceilings as required by code. Heights in all instructional spaces shall conform to district standards.

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6. **Doors** – All interior doors, unless otherwise written, must provide a view panel in the door. All doors shall comply with School District standards.
7. **Canopies** – Provide extruded aluminum covered walkways to all instructional, support and ancillary spaces within the school plant.
8. **Corridors and Student Commons** - Corridor width shall comply with code. Doorstops and holders shall be floor-mounted with backing at the walls to reduce wall damage. Doors shall be recessed in walls.
9. **Restrooms** – Staff, Public and Student toilets shall be sufficient in number to provide required number of fixtures. Soap dispensers shall be liquid type provided by owner and installed by the contractor. Paper towel dispenser shall be provided by owner and installed by contractor. Toilet paper dispensers shall be provided by owner and installed by the contractor. A full-length door mirror shall be provided in each restroom.
10. **Bulletin Boards** - In addition to any bulletin boards specified in departmental specifications, there shall be located in the corridors and/or student common area the following: (a) for general administrative, provide eight lineal feet; (b) for student activities, eight lineal feet; (c) for general faculty, eight lineal feet; (d) for interdepartmental use, eight lineal feet. Bulletin Boards shall be located in the hallways of the instructional areas between classrooms. Bulletin (tack) boards shall not be less than 36" vertical measurement.
11. **Custodial Service Closets** – Custodial service closets shall be provided in each wing, floor or major area of the school plant. It should contain a mop sink, shelving and a rack for storage of brooms and mops.
12. **Colors** - Harmonizing colors shall be used to enhance the design and construction of the plant as well as the learning environment. The architect shall submit colors for review and approval by the School District. Exterior materials and coatings shall be graffiti resistant and easily cleaned to the maximum extent practical. The architect shall submit finishing schedules and millwork for review and approval by the School District.
13. **Signs** – Room signs of appropriate size and construction shall be located near the door entrance. Signs shall be a minimum of 48" above finished floor and meet Florida Building Code Chapter 11 requirements, as well as the requirements for signage for the Florida Inventory of School Houses (FISH). A school sign of appropriate size and construction shall be located in a prominent location at or near the front of the school site.
14. **Flag Pole** – Locate a flagpole that is 30' high with two (2) complete rope systems near the front entrance of the school.

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15. **Hurricane Hardening** – Comply with School District and County Emergency Management office requirements for provisions for emergency shelters.
16. **Display** – A built-in trophy case shall be located in the entrance foyer of the administration area and the lobby of the gymnasium.

C. **BUILDING SYSTEMS**

1. **Energy Conservation** – The building as well as all of its components shall conform in all respects to the current edition of the codes. Consideration should be given to the use of potentially less expensive energy sources (e.g. solar) and available energy techniques and devices (e.g. heat recovery) where practical. Consideration shall also be given to controls which allow for limited portions of a school to be cooled or heated [media, gym] so that after-school events can be held without operating the entire HVAC system.
2. **Environmental Indoor Air Quality** - Air conditioning and heating shall be provided. Designer shall give consideration to pre-conditioning the outside make-up supply as a means for controlling humidity levels. Master controls shall be placed in suitable locations. The system selected shall provide a back up for circulation of fresh outside air in event of a breakdown to the cooling system and for use as the main system on mild days. The mechanical systems must be as simple as possible, for ease of maintenance and zoned to permit closing down of various areas of the building when they are not in use. Designer shall coordinate with District Maintenance Department to ensure system will interface with the District's climate control scheme and system.
3. **Lighting** – Lighting shall comply with District Standards, with consideration for balancing nighttime security lighting, by means of independent zone timers, with energy conservation goals.
4. **Electrical** – Lightning protection, power conditioning and surge protection, wire management, voice/video/data outlets, communication closets, grounding, low voltage systems and photo-voltaic to comply with code. Electrical outlets, disconnect switches and wiring shall be provided for all equipment furnished by contractor or the School District, including but not limited to, computers, printers, appliances, TV, all-in-one interactive board with projector, vending machines and electrical equipment throughout the school. Lockable, weatherproof, GFCI outlets shall be located every 150' lineal of exterior wall. Copper wiring shall be used throughout. No aluminum wire shall be used at any point beyond the District side of the meter/main disconnect.
5. **Telephones**– The telephone system will be designed in accordance with School District standards. The system shall provide for incoming calls to be routed to a central office console with the ability for internal calls to be routed directly station to station. Telephone devices shall be provided to all instructional and administrative areas.

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6. **CCTV Distribution** - Classrooms, instructional areas and other designated areas shall be equipped with closed circuit conduit, TV receivers or other multimedia devices, according to District Technology Standards.
7. **Intercommunications System** - There shall be a complete public address/bell signaling system that provides two-way communications between the administration offices and all occupied spaces, including exterior parking and playground/athletic areas. This system is to provide for distribution of announcements and signal tones to remote speakers using zone and emergency override paging. The system shall have the capacity to be operated by remote telephony device or manually at the main control unit. The intercommunication system shall include a port enabling access from the telephone system which shall be centrally located in the administrative area.
8. **Water Outlets** – Hose bibbs shall be located in each group toilet room. Hose bibbs shall be provided on exterior wall or per current district requirements. Locate hose bibbs near air conditioning unit filters. Group toilet rooms shall have floor drains. Exterior hose bibbs to be in keyed, recessed boxes.
9. **Water Supply** – Water supply may be either from municipal or county system. Provide backflow preventor at main water supply.
10. **Sewage Disposal** – Sewage disposal shall be from a local utility company.
11. **Hot water** – Hot water shall be provided as indicated and per code.
12. **Computers, Voice/Data and Video** - All offices, classrooms and instructional spaces shall be wired per School District standards, forming a campus-wide network. All conduits, wiring and termination systems shall be provided to form a complete premise distribution system. The specifications for cabling, terminations and installations are provided separately by School District. Space requirements for communications wiring closets are detailed in the School District specifications. Classrooms and instructional spaces shall have electrical receptacle located adjacent to each voice/data outlet.

Provide computer quantities and configuration per School District standards. Each classroom shall have data ports and electrical power for docking and charging of wireless laptop carts. Sufficient electrical outlets shall be provided for the charging of laptops when needed at convenient location to student desks. Electrical and cabling should be installed for future audio sound enhancement field.
13. **Intrusion Detection system** – Provide intrusion detection system as directed by School District.

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14. **General Maintenance Considerations** – Design considerations shall be given to space requirements for maintaining all items of fixed equipment such as boilers, air conditioners, etc. including sufficient storage for standardized equipment. Design shall provide for ease of access and minimal maintenance.
15. **Exterior Building Materials** - Major exterior building materials shall be fully documented in the design phase of project development for review and approval by the School District. Exterior materials and coatings shall be graffiti resistant and easily cleaned to the maximum extent possible.
16. **Site Fire Protection** - Provide fire hydrants as recommended by the appropriate local fire protection agency and NFPA. Fire alarm system shall be provided in accordance with the codes.
17. **Water Coolers** – Electrically-cooled water fountains shall be provided at convenient places, recessed in walls, except those for the handicapped.
18. **Clocks** -- a master clock system shall be located in the administrative area with synchronized, wireless clocks in all instructional, administrative, and common areas.
19. **Two-Way Radios** --Two (2) UHF repeaters shall be designated in accordance with district standards and shall be located in the main administrative office area for use with the campus two-way portable radios. The repeaters shall be cabled to antennas mounted on the exterior of the building at the maximum height feasible. One 800-MHz console radio designated in accordance with district standards shall be located in the main administrative office area for public safety and radio interoperability, and shall be cabled to an antenna mounted on the exterior of the building at the maximum height feasible.
20. **CCTV Studio** - a TV distribution studio shall be provided meeting approved district standards.
21. **ITV** -- ITFS equipment shall be provided enabling the reception of instructional television programming. The equipment shall be cabled to the building exterior at a height providing an unobstructed line of sight to the applicable broadcast tower.
22. **Fire Alarm System** -- Provide a fire alarm system according to district standards.
23. **Public Address System** -- Provide public address system as directed by school district.
24. **Media Distribution** -- Provide CCTV distribution system as directed by the district.

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25. **Cafeteria Sound System** -- Provide cafeteria sound system as directed by the district.
26. **Food Service Receiving Entry** -- Provide a two-way communication device as directed by the district.
27. **Stage Systems** -- provide lighting, sound, projection, CCTV, rigging, and intercommunications systems according to district standards.

D. **SITE DEVELOPMENT**

1. **Site Circulation** - A comprehensive site circulation plan shall be developed that provides maximum separation of pedestrian/bicycle circulation from bus/automobile circulation. Coordination with local jurisdictions shall be required in developing and planning access to and on the site for pedestrians, bicycles and vehicular traffic.
2. **Crowd Control** – The design shall reflect manageable crowd control. Considerations should be given to large groups that enter and exit the site at time of public and school events.
3. **Parking** - Parking per State Requirements for Educational Facilities (S.R.E.F.) shall be provided for staff and visitors. Accessible handicap parking stalls shall be provided at least at a ratio of two percent [2%] of total parking, per SREF. Visitor parking shall be provided near the entrance to the administrative suite. Student parking shall be provided for fifty percent [50%] of the total juniors and seniors. Parking lots should be sited for maximum efficiency for access by students, staff, and visitors to the primary entrance to the school and to after-hours facilities such as an auditorium, gymnasium, and football/soccer stadium. Signage shall be provided to facilitate efficient pedestrian and vehicular circulation throughout the site. Adequate directional signage shall be provided to direct visitors to non-school functions. Parking shall be illuminated for night use

Adequate loading and unloading areas should be provided for school buses. Adequate standards for bus turning and parking should be utilized in the design. Bus loading area shall be separated from parking areas, parent pick-up and all delivery areas, food services loading areas, parking areas and pedestrian/bicycle accesses. Covered area in close proximity to building should be provided for inclement weather.

Service and delivery areas shall be separated from bus loading areas and shall be screened from public areas. Adequate standards for turning and parking shall be utilized. Loading docks at service areas and service drives shall be designed to accommodate semi-tractor trailer trucks including adequate turn-around provisions.

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4. **Site Utilization** – Buildings, driveways, parking and storm water management areas shall be designed so as to allow maximum use of the site.
5. **Building Orientation** – Buildings shall be oriented to take advantage of natural light and minimize solar heat gain.
6. **Storm Water Drainage** - Systems shall be designed in accordance with code.
7. **Pavement, Site Improvements** - Provide all pavement typical sections, access routings, sidewalks, traffic and pedestrian controls, signing and pavement markings layout, sports facilities, as identified elsewhere in this section, and other site improvements.
8. **Landscape Plan** – A landscape plan shall contribute to the development 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. Xeriscape design principles shall be incorporated in the landscape plan. 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 (S.R.E.F.).
9. **Irrigation Water** - Provide irrigation water system from a wet retention area or well as directed by School District. Provide a rust inhibitor system to prevent staining of buildings and sidewalls. If available, the campus should utilize reclaimed water for irrigation.
10. **Security** – Meet with SBSC Building Department and the Department of Safety and Security at the first stage, site and building layout development, to discuss project specific security issues. The design shall use “safe school design” principles through the use of Crime Prevention Through Environmental Design (CPTED). Provide multiple exits from assembly areas to allow for expedient dispersal of crowds. Exit routes shall be convenient so that all exits will be used. Exits should be designed to avoid where evacuated students would be trapped in dead-end areas.

The areas of loading/unloading of students shall be designed to provide easy supervisions and to ensure no mixing of pedestrians and vehicles.

Visitor parking shall be provided near the entrance to the administrative suite. Parking lots should have more than one access. Parking lots shall have good

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natural surveillance following CPTED principles. The facility lot shall be fences locked and secured during the day if local conditions necessitate.

The access to the site shall consist of a primary road and a secondary access in the event the primary access is blocked. Ability for emergency vehicles to gain access to all of the facility shall be established through the use of stabilized surfaces at least 20' wide.

School sites shall have perimeter security fencing which shall be vinyl coated and six (6) foot minimum height, preventing access to walkways and courtyards when the facility is not occupied but allow for public access to exterior athletic facilities. Fencing around tennis, basketball courts can be galvanized fencing. Landscaping to include plantings meeting CPTED Principles and may include a berm with plantings and the fence setback and shall be aesthetically pleasing to the public. The exterior doors shall be designed to prevent unauthorized entry by minimizing key locks and associated hardware which would not be used for the purpose of essential entry but are installed for emergency egress (Panic Door Hardware).

Doors which are determined to be essential for entry shall be provided with key access as well as card access and have the capabilities to incorporate Biometric reader control and hardware.

The delivery/receiving service entry gate(s) shall have electric latching/locking hardware to allow control from either a card access or biometric reader. The gates shall be swing style.

An interior perimeter shall be created that will block the public access to open areas for students and staff as well as access to the thoroughfares, courtyard areas, between buildings, portables, classrooms, PE fields and any other common area without first going through a controlled main public entry, the focal point of the entrance. The main public entry shall consist of structurally mounted set of metal doors that are also an integral part of the interior perimeter. The courtyard egress shall be done using ornamental gating with doors located in thoroughfare between the visitor parking areas and the reception area in the administrative complex. At the public entry area provide for card access, video surveillance, remote intercom, electric controlled lock hardware as per current policy of SDSC, guidelines, and project specific plan review process. The same structurally mounted metal entry doors shall be placed at the egress areas through the interior perimeter barrier. No decorative or chain link fence gates should be used.

Restrooms when appropriate such as in the gymnasium and cafeteria shall use a maze-type entry system. The exterior area entry points shall not have any maze type of entry.

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The bicycle storage area shall be enclosed with a 6' high fence with good natural surveillance and visibility from either a classroom or the main office. Racks to allow the bicycles to be secured to shall be provided. The storage area should be visible on surveillance cameras.

Courtyards shall be designed to allow for groups of students to congregate but not allow for large groups to gather impeding natural surveillance and traffic flow. Planters and benches shall be constructed to allow natural surveillance. The courtyard design shall create a smooth flow of traffic. The landscaping shall follow the CPTED principles. The tree canopies shall not be lower than 7' and not be able to grow to block the use of surveillance cameras, lighting and impede the ability of natural surveillance. Bushes shall not grow higher than 3', so as not to provide areas for hiding. The planters and tree heights shall also be limited when planted in the thoroughfares, common areas, bike and parking lots, courtyards and portables. The entry and exit areas throughout the interior and perimeter area shall be free of any landscaping and the perimeter control shall be done with ornamental gating and doors.

Teacher planning areas should be spread out throughout the campus where additional supervision of problem areas can be provided. The ideal locations for the teacher planning areas are at the ends of hallways and/or the center of the hallways.

Lighting shall be established in zones to allow for security during nighttime activities. In isolated areas the use of motion detectors can be utilized. Lighting needs to be provided for the 24 hour video surveillance cameras.

Roof shall be designed so there are no obstructions and no availability for access from stairways. Any roof access shall be able to be properly secured and locked.

Video Surveillance cameras and equipment shall be the appropriate amount for the site and placed to provide the best coverage of the campus.

Provide two (2) KNOX BOXES for emergency key access. One (1) recessed box keyed to the local fire jurisdiction shall be installed at the main entrance, and the second Knox Box cabinet keyed to the local fire jurisdiction and school district security department installed at a location directed by the district. Each Knox Box unit shall be wired to the security intrusion system.

11. Backflow preventors and other elements of similar character shall be sited away from school entrance and sufficiently screened such that they are not readily visible from public areas, either off or on site, yet the screening does not hinder access for maintenance or impair any requirement for visibility.
12. Adequate buffers shall be provided between the school and neighboring areas.

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13. Provide stubbed out services at the edge of area planned for future portable classrooms.
14. Driveways (entrance/exit) should have lockable gates.
15. Adequate fields for physical education, ROTC, marching band, and athletic

team practice shall be provided; two or three practice fields of 150' by 300' are sufficient depending upon the enrollment of the school. Competitive athletic facilities shall be provided on campus, to the extent to which the site allows, or in the community, to the extent to which local governments collaborate with construction and operation costs. For all new high schools, staff shall meet with local governments to determine the available options for joint use of competitive athletic facilities. Staff shall develop athletic facility standards to ensure that the latest technological advances and cost-benefit analyses are considered; these standards should be updated at least every three years.

- Unless otherwise directed, all high schools shall have an on-site football/soccer stadium with a track, press box, and public address system.
- The district shall provide stadium bleachers, sized between 2,500 and 5,000 seats depending upon the enrollment of the school. The district shall provide lights.
- Field turf shall be Bermuda grass with irrigation, unless analyses of all costs, intensity of uses, and limited options indicate that artificial turf is the best choice
- Tracks shall be eight lanes of 400 meters, with metric markings. The surface should be asphalt, however, the district may determine that rubberized/synthetic surfaces should be placed at one or two sites throughout the district.
- A storage building for football, soccer, and track and field equipment shall be constructed.
- Baseball and softball game fields shall be provided on-site or off-site in conjunction with local governments. These fields shall conform to FHSAA specifications, with dugouts and bullpens, with lights, and with bleachers ranging from 200 to 500 seats. Ideally, home plate should be at the northwest corner.
- A minimum of eight tennis courts and four outdoor basketball/volleyball courts should be provided. Lights may be provided depending upon joint use agreements with local governments.
- Design of the athletic facilities should ensure a safe and orderly flow of athletes and spectators. A central ticket booth should be designed to handle multiple events. A concession stand should be provided; equipment shall be the responsibility of the school or booster group.

E. Miscellaneous

1. All classrooms to have holder for American Flag (provided by contractor).

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FACILITY LIST (SREF Compliant)

District: Sarasota		Total Stations: 2562		Gross Sq Ft: 393,598			
Level: Senior High (09-12)		Total Capacity: 2,433		DOE Utilization:		95%	
Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
38	3	09 - 12	SENIOR HIGH CLASSROOM (9-12)	800	30,400	25	950
	808		MATERIAL STORAGE	100	3,800	0	0
			SUBTOTAL	900	34,200	25	950
21	12	09 - 12	SENIOR HIGH SKILLS LAB (9-12)	800	16,800	25	525
	808		MATERIAL STORAGE	100	2,100	0	0
			SUBTOTAL	900	18,900	25	525
12	23	09 - 12	SENIOR HIGH SCIENCE LAB (9-12)	1,275	15,300	25	300
	808		MATERIAL STORAGE	100	1,200	0	0
	812		PROJECT STORAGE	150	1,800	0	0
			SUBTOTAL	1,525	18,300	25	300
1	704	06 - 12	SUSPENSION/DETENTION	600	600	20	20
	808		MATERIAL STORAGE	100	100	0	0
	815		STUDENT RESTROOM (MALE)	35	35	0	0
	816		STUDENT RESTROOM (FEMALE)	35	35	0	0
			SUBTOTAL	770	770	20	20
1	708	09 - 12	JROTC	1,260	1,260	30	30
	800		ARMS ROOM	150	150	0	0
	801		FIRING RANGE (INDOOR)	2,400	2,400	0	0
	802		INSTRUCTIONAL CONFERENCE ROOM	225	225	0	0
	808		MATERIAL STORAGE	100	100	0	0
			SUBTOTAL	4,135	4,135	30	30
10	40	PK - 12	RESOURCE ROOM	290	2,900	10	0
	808		MATERIAL STORAGE	100	1,000	0	0
			SUBTOTAL	390	3,900	10	0
2	52	09 - 12	ART - SENIOR HIGH	1,590	3,180	30	60
	803		INSTRUCTIONAL DARKROOM	100	200	0	0
	805		KILN	60	120	0	0
	808		MATERIAL STORAGE	100	200	0	0
	812		PROJECT STORAGE	150	300	0	0
			SUBTOTAL	2,000	4,000	30	60

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District: Sarasota		Total Stations: 2562		Gross Sq Ft: 393,598			
Level: Senior High (09-12)		Total Capacity: 2,433		DOE Utilization: 95%			
Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./Space	Total Stns.
5	61	PK - 12	E S E PART-TIME	975	4,875	15	75
	808		MATERIAL STORAGE	100	500	0	0
	813		STUDENT STORAGE	40	200	0	0
	815		STUDENT RESTROOM (MALE)	35	175	0	0
	816		STUDENT RESTROOM (FEMALE)	35	175	0	0
			SUBTOTAL	1,185	5,925	15	75
5	62	PK - 12	E S E FULL-TIME	950	4,750	10	50
	808		MATERIAL STORAGE	100	500	0	0
	813		STUDENT STORAGE	40	200	0	0
	815		STUDENT RESTROOM (MALE)	35	175	0	0
	816		STUDENT RESTROOM (FEMALE)	35	175	0	0
	817		STUDENT RESTROOM & BATH	110	550	0	0
			SUBTOTAL	1,270	6,350	10	50
1	63	PK - 12	E S E VOCATIONAL	1,140	1,140	12	12
	808		MATERIAL STORAGE	100	100	0	0
	815		STUDENT RESTROOM (MALE)	35	35	0	0
	816		STUDENT RESTROOM (FEMALE)	35	35	0	0
			SUBTOTAL	1,310	1,310	12	12
1	64	PK - 12	E S E PT/OT LAB	475	475	5	0
	808		MATERIAL STORAGE	100	100	0	0
	813		STUDENT STORAGE	40	40	0	0
	817		STUDENT RESTROOM & BATH	110	110	0	0
			SUBTOTAL	725	725	5	0
7	65	PK - 12	E S E RESOURCE	380	2,660	4	0
	808		MATERIAL STORAGE	100	700	0	0
	813		STUDENT STORAGE	40	280	0	0
			SUBTOTAL	520	3,640	4	0
5	66	PK - 12	E S E SUPPLEMENTARY INSTRUCTION	50	250	2	0
	808		MATERIAL STORAGE	100	500	0	0
			SUBTOTAL	150	750	2	0
1	75	06 - 12	VOCAL MUSIC CLASS (MIDDLE-SR HIGH)	1,425	1,425	25	25
	806		REFERENCE	100	100	0	0

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

District: Sarasota		Total Stations: 2562		Gross Sq Ft: 393,598			
Level: Senior High (09-12)		Total Capacity: 2,433		DOE Utilization:		95%	
Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
	808		MATERIAL STORAGE	100	100	0	0
	830		MUSIC ENSEMBLE	300	300	0	0
	831		MUSIC PRACTICE ROOM	70	70	0	0
	833		ROBE STORAGE	150	150	0	0
	836		SHEET MUSIC STORAGE	150	150	0	0
	837		MUSIC EQUIPMENT STORAGE	400	400	0	0
			SUBTOTAL	2,695	2,695	25	25
1	76	06 - 12	BAND CLASS (MIDDLE-SR HIGH)	2,000	2,000	50	50
	806		REFERENCE	100	100	0	0
	808		MATERIAL STORAGE	100	100	0	0
	830		MUSIC ENSEMBLE	300	300	0	0
	831		MUSIC PRACTICE ROOM	70	70	0	0
	832		INSTRUMENT STORAGE	600	600	0	0
	834		UNIFORM STORAGE	300	300	0	0
	835		MUSIC STUDIO	180	180	0	0
	836		SHEET MUSIC STORAGE	150	150	0	0
	837		MUSIC EQUIPMENT STORAGE	400	400	0	0
			SUBTOTAL	4,200	4,200	50	50
1	77	06 - 12	ORCHESTRA CLASS (MIDDLE-SR HIGH)	1,425	1,425	25	25
	806		REFERENCE	100	100	0	0
	808		MATERIAL STORAGE	100	100	0	0
	830		MUSIC ENSEMBLE	300	300	0	0
	831		MUSIC PRACTICE ROOM	70	70	0	0
	832		INSTRUMENT STORAGE	600	600	0	0
	836		SHEET MUSIC STORAGE	150	150	0	0
	837		MUSIC EQUIPMENT STORAGE	400	400	0	0
			SUBTOTAL	3,145	3,145	25	25
1	80	06 - 12	PIANO LAB (MIDDLE-SR HIGH)	925	925	25	25
	808		MATERIAL STORAGE	100	100	0	0
			SUBTOTAL	1,025	1,025	25	25
1	112	09 - 12	SR HIGH GYMNASIUM	6,500	6,500	70	70
1	90	06 - 12	P E DRESSING ROOM (MALE)	1,452	1,452	121	0
1	91	06 - 12	P E DRESSING ROOM (FEMALE)	1,452	1,452	121	0
1	92	06 - 12	P E LOCKER ROOM (MALE)	242	242	121	0

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

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Level: Senior High (09-12)		Total Capacity: 2,433		DOE Utilization:		95%	
Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
1	93	06 - 12	P E LOCKER ROOM (FEMALE)	242	242	121	0
1	94	06 - 12	P E SHOWER (MALE)	242	242	121	0
1	95	06 - 12	P E SHOWER (FEMALE)	242	242	121	0
1	96	06 - 12	P E DRYING AREA (MALE)	242	242	121	0
1	97	06 - 12	P E DRYING AREA (FEMALE)	242	242	121	0
1	98	06 - 12	P E STORAGE (MIDDLE-SR HIGH)	1,089	1,089	121	0
1	99	06 - 12	P E TEACHERS SHOWER (MALE)	22	22	1	0
1	100	06 - 12	P E TEACHERS SHOWER (FEMALE)	22	22	1	0
1	113	06 - 12	GYMNASIUM SEATING	7,776	7,776	243	0
1	114	06 - 12	P E LAUNDRY	242	242	121	0
1	115	06 - 12	P E FIRST AID	242	242	121	0
1	116	06 - 12	P E TRAINING ROOM	250	250	1	0
1	117	06 - 12	P E WEIGHT ROOM	1,000	1,000	1	0
1	118	06 - 12	P E WRESTLING ROOM	1,680	1,680	1	0
1	119	06 - 12	P E GYMNASTICS & DANCE	1,050	1,050	1	0
1	120	06 - 12	GYMNASIUM STORAGE	363	363	121	0
1	370	06 - VE	LOBBY	1,210	1,210	121	0
1	371	06 - VE	CONCESSIONS	200	200	1	0
1	372	06 - VE	TICKET BOOTH	30	30	1	0
			SUBTOTAL	26,032	26,032	1,894	70
3	212	09 - VE	BUSINESS EDUCATION LAB	1,460	4,380	20	60
	808		MATERIAL STORAGE	100	300	0	0
			SUBTOTAL	1,560	4,680	20	60
1	233	09 - VE	MEDIUM HOME ECONOMICS LAB	1,380	1,380	20	20
	808		MATERIAL STORAGE	100	100	0	0
	842		KITCHEN (HOME ECONOMICS)	125	125	0	0
	843		LAUNDRY (HOME ECONOMICS)	50	50	0	0
	852		VOCATIONAL TECHNOLOGY RESOURCE CENTER	800	800	0	0
			SUBTOTAL	2,455	2,455	20	20
2	234	09 - VE	LARGE HOME ECONOMICS LAB	2,250	4,500	25	50
	812		PROJECT STORAGE	150	300	0	0
	842		KITCHEN (HOME ECONOMICS)	125	250	0	0
	843		LAUNDRY (HOME ECONOMICS)	50	100	0	0
	852		VOCATIONAL TECHNOLOGY RESOURCE CENTER	800	1,600	0	0

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School Board of Sarasota County

Prototype High School

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Level: Senior High (09-12)		Total Capacity: 2,433		DOE Utilization:		95%	
Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
			SUBTOTAL	3,375	6,750	25	50
3	241	09 - 12	SMALL TECHNOLOGY LAB	1,625	4,875	25	75
	808		MATERIAL STORAGE	100	300	0	0
	852		VOCATIONAL TECHNOLOGY RESOURCE CENTER	800	2,400	0	0
			SUBTOTAL	2,525	7,575	25	75
2	242	09 - 12	MEDIUM TECHNOLOGY LAB	2,375	4,750	25	50
	810		MATERIAL STORAGE (LARGE)	395	790	0	0
	852		VOCATIONAL TECHNOLOGY RESOURCE CENTER	800	1,600	0	0
			SUBTOTAL	3,570	7,140	25	50
2	243	09 - 12	LARGE TECHNOLOGY LAB	3,375	6,750	25	50
	808		MATERIAL STORAGE	100	200	0	0
	810		MATERIAL STORAGE (LARGE)	395	790	0	0
	849		VOCATIONAL PROJECT STORAGE	310	620	0	0
	851		VOCATIONAL TOOL STORAGE (LARGE)	310	620	0	0
	852		VOCATIONAL TECHNOLOGY RESOURCE CENTER	800	1,600	0	0
			SUBTOTAL	5,290	10,580	25	50
2	252	09 - VE	SMALL HEALTH LAB	1,200	2,400	20	40
	804		DISPENSARY	135	270	0	0
	808		MATERIAL STORAGE	100	200	0	0
	812		PROJECT STORAGE	150	300	0	0
	840		VOCATIONAL RELATED CLASSROOM	680	1,360	20	0
			SUBTOTAL	2,265	4,530	40	40
1	270	09 - VE	WORK EVALUATION LAB	1,110	1,110	15	0
	810		MATERIAL STORAGE (LARGE)	395	395	0	0
	853		VOCATIONAL TESTING	250	250	0	0
			SUBTOTAL	1,755	1,755	15	0
1	271	09 - VE	VPI LAB	705	705	15	0
	802		INSTRUCTIONAL CONFERENCE ROOM	225	225	0	0
	808		MATERIAL STORAGE	100	100	0	0
	840		VOCATIONAL RELATED CLASSROOM	680	680	20	0
	846		RECEPTION (VOC ED INSTRUCTION)	90	90	0	0

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School Board of Sarasota County

Prototype High School

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Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
	853		VOCATIONAL TESTING	250	250	0	0
			SUBTOTAL	2,050	2,050	35	0
1	300	PK - VE	PRINCIPAL/DIRECTOR OFFICE	250	250	0	0
16	301	PK - VE	ASSISTANT PRINCIPAL/OTHER OFFICE	175	2,800	0	0
3	302	PK - VE	BOOKKEEPING OFFICE	125	375	0	0
4	303	PK - VE	SECRETARIAL SPACE	158	632	0	0
1	304	PK - VE	RECEPTION AREA	2,057	2,057	121	0
1	305	PK - VE	PRODUCTION WORKROOM	968	968	121	0
1	306	PK - VE	CONFERENCE ROOM	1,694	1,694	121	0
1	307	PK - VE	CLINIC	726	726	121	0
1	308	PK - VE	ADMINISTRATIVE STORAGE	1,210	1,210	121	0
1	309	PK - VE	VAULT/STUDENT RECORDS	726	726	121	0
1	310	PK - VE	SCHOOL STORE	242	242	121	0
1	311	PK - VE	STUDENT ACTIVITIES	1,210	1,210	121	0
1	312	PK - VE	COMPUTER AREA	363	363	121	0
1	313	PK - VE	CAREERS ROOM	726	726	121	0
8	314	PK - VE	ITINERANT OFFICE	125	1,000	0	0
1	315	PK - VE	TEACHER PLANNING OFFICE	4,860	4,860	243	0
1	316	PK - VE	TEACHER LOUNGE/DINING	972	972	243	0
			SUBTOTAL	16,587	20,811	1,696	0
1	340	PK - VE	DINING AREA	9,720	9,720	243	0
1	341	PK - VE	KITCHEN & SERVING AREA	10,692	10,692	243	0
1	349	PK - VE	KITCHEN CHAIR STORAGE	484	484	121	0
1	351	06 - 12	MIDDLE/SR HIGH COVERED PATIO	8,748	8,748	243	0
			SUBTOTAL	29,644	29,644	850	0

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School Board of Sarasota County

Prototype High School

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Level: Senior High (09-12)		Total Capacity: 2,433		DOE Utilization:		95%	
Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
1	360	06 - VE	AUDITORIUM	7,290	7,290	243	0
1	363	PK - VE	STAGE	990	990	1	0
1	364	PK - VE	STAGE STORAGE	1,215	1,215	243	0
1	365	PK - VE	STAGE DRESSING ROOM (MALE)	605	605	121	0
1	366	PK - VE	STAGE DRESSING ROOM (FEMALE)	605	605	121	0
1	367	PK - VE	CONTROL BOOTH/PROJECTION ROOM	100	100	1	0
1	368	PK - VE	TEXTBOOK STORAGE	847	847	121	0
1	370	06 - VE	LOBBY	1,210	1,210		0
1	371	06 - VE	CONCESSIONS	200	200	1	0
1	372	06 - VE	TICKET BOOTH	30	30	1	0
			SUBTOTAL	13,092	13,092	853	0
1	380	PK - VE	LIBRARY (READING ROOM/STACKS)	8,991	8,991	243	0
1	381	PK - VE	MEDIA TECHNICAL PROCESSING	972	972	243	0
1	382	PK - VE	PROFESSIONAL LIBRARY	972	972	243	0
1	383	PK - VE	AUDIO VISUAL STORAGE	1,458	1,458	243	0
1	384	PK - VE	PERIODICAL STORAGE	486	486	243	0
1	385	PK - VE	CLOSED CIRCUIT TV LAB	1,701	1,701	243	0
1	386	PK - VE	CLOSED CIRCUIT STORAGE	1,215	1,215	243	0
1	387	PK - VE	MEDIA PRODUCTION LAB	1,215	1,215	243	0
1	388	PK - VE	MEDIA COPYING ROOM	486	486	243	0
1	389	PK - VE	MEDIA SMALL GROUP ROOM	242	242	121	0
1	390	PK - VE	MEDIA GROUP PROJECTS/INSTRUCTION	1,215	1,215	243	0
1	391	PK - VE	MEDIA MAINTENANCE/REPAIR	242	242	121	0
			SUBTOTAL	19,195	19,195	2,672	0
1	330	PK - VE	CUSTODIAL RECEIVING	3,645	3,645	243	0
1	333	PK - VE	FLAMMABLE STORAGE	155	155	0	0

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

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Level: Senior High (09-12)		Total Capacity: 2,433		DOE Utilization:		95%	
Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
1	334	PK - VE	CUSTODIAL EQUIPMENT STORAGE	500	500	0	0
			SUBTOTAL	4,300	4,300	243	0
	815		STUDENT RESTROOM (MALE)	35	5,075	0	0
	816		STUDENT RESTROOM (FEMALE)	35	5,075	0	0
	817		STUDENT RESTROOM & BATH	110	660	0	0
	819		RESTROOMS, STAFF (MALE)	121	484	0	0
	820		RESTROOMS, STAFF (FEMALE)	121	484	0	0
	822		PUBLIC RESTROOMS (MALE)	121	242	0	0
	823		PUBLIC RESTROOMS (FEMALE)	121	242	0	0
			SUBTOTAL	664	12,262	0	0

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

STANDARD CLASSROOMS

I. OBJECTIVES/GOALS

The high school experience will provide diverse opportunities in a structured learning environment. The program goals would include socialization, decision-making process, citizenship and knowledge acquisition.

II. ACTIVITIES/ENROLLMENT

Through the arrangement of furniture, materials and supplies, a learning laboratory will be created for students to be in large group instruction, small group instruction, and individual instruction. This arrangement will provide an environment that will be physically, mentally and socially conducive to learning.

Teacher-Student Ratio: **1:25**

Grade level for which program is intended: **9-12**

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns. / Space	Total Stns.
38	3	09 - 12	SENIOR HIGH CLASSROOM (9-12)	800	30,400	25	950
	808		MATERIAL STORAGE	100	3,800	0	0
			SUBTOTAL	900	34,200	25	950

IV. SPECIAL CONSIDERATIONS

- A. **Heating/Cooling/Ventilation** – Standard. Each space, as per district policy, will be centrally controlled by an energy management system.
- B. **Acoustical** – Standard acoustical treatment will be provided throughout.
- C. **Floor** – Shall meet District Standards. Flooring to include raised floor for future networking purposes.
- D. **Walls** – Shall meet District Standards.
- E. **Ceiling** – The ceiling height will be a minimum of 9' with acoustical tile panels.
- F. **Lighting** – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light parallel to the teaching wall.

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

- G. **Windows** – Standard. The windows will be operable to allow natural ventilation and/or when required by code. Window treatments will be provided for all exterior windows in order to darken rooms for instructional purposes.
- H. **Doors** – Standard. Exterior doors will be hollow metal with window(s). Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s).
- I. **Water/Plumbing Fixtures** - Shall meet District Standards. One classroom to be used for drama instruction shall be in close proximity to water fountain (bubbler.)
- J. **Communications** – Shall meet District Standards.
- K. **Electrical** – Shall meet District Standards. Provide outlets for computers, printers and other equipment.
- L. **Gas and Air** - N/A.
- M. **Safety** – Shall meet District Standards.
- N. **Fencing** – N/A.
- O. **Service Drives** – N/A.
- P. **Parking** – N/A.
- Q. **Built-ins**
 - 1. Counters and Cabinet/Shelving
 - a. Bookcase with adjustable shelving, 48"x12"x72"
 - b. Storage Cabinet, 48"x30"x72"
 - c. Provide 90" x 24" base cabinetry and upper cabinets
 - 2. Instructional Aids
 - a. Interactive board with projector
 - b. Marker board with map rails, 48"x48" (4)
 - c. Tack board, 48" x 48" (3)

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

- R. Other Considerations** - Design of classroom shall allow for a space to “park” rolling back packs, bookcases, and/or wireless laptop carts where appropriate.

Classrooms shall be arranged as “career academies” with core subjects and ESE interspersed. Shared teacher planning and storage shall be placed in each academy.

One classroom shall be located in close proximity to art, music, and the auditorium and in order to efficiently delivery drama instruction.

- S. Next Generation Technologies** – Design to include equipping each classroom with the following Next Generation Technologies

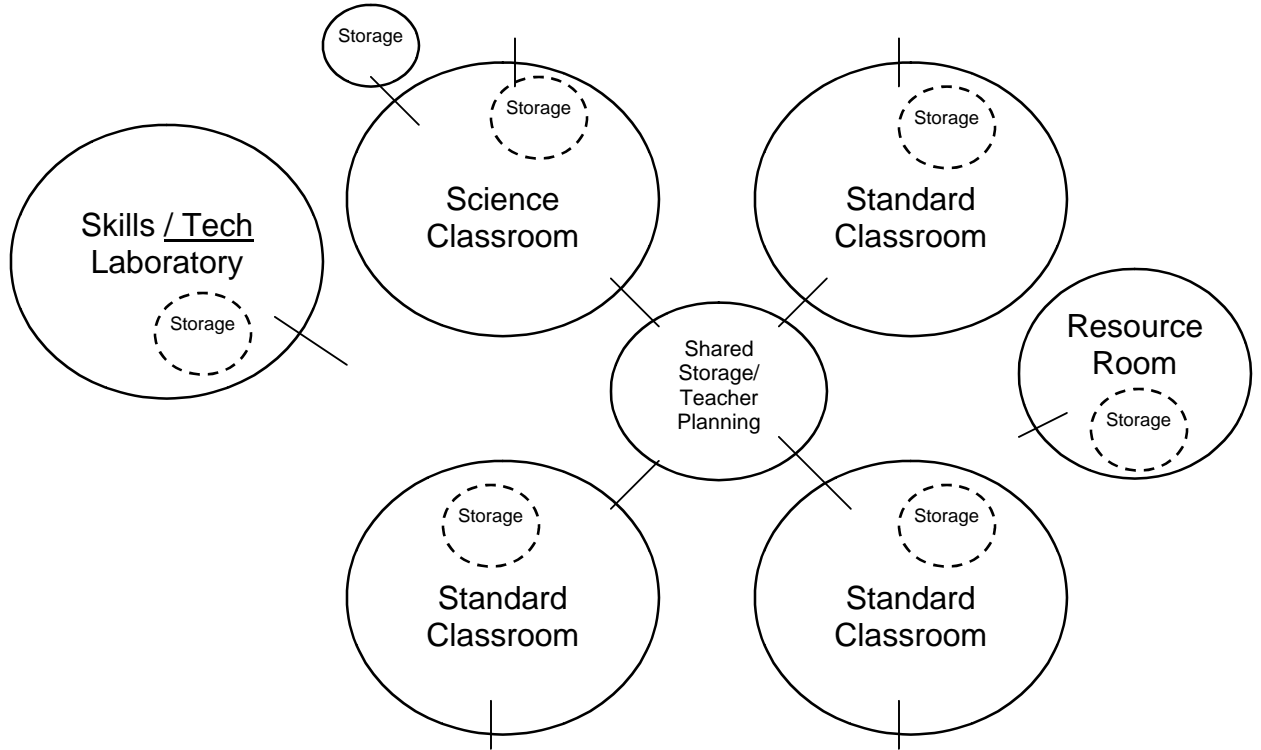
- Interactive board with short throw projector mounted at front instructional area per district specifications
- CCTV channel changer device per district specifications
- Enhancement sound system with four to six speaker installations per district specifications. All media audio (voice, computer, CCTV) will be channeled through audio system.
- Docucam system integrated into video projection screen.
- Student access to computers will be per district standards.

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

V. SPATIAL RELATIONSHIPS



Not all classrooms are shown

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

SCIENCE CLASSROOMS

I. OBJECTIVES/GOALS

The objectives of the science program is to provide experience which help students gather information, analyze information, think critically, be creative in their approach to problem solving, develop a knowledge of generalizations in science and develop skills used in a scientific approach. These objectives are achieved by a carefully integrated use of laboratory activities, challenging mental activities, use of resources and authentic assessments.

II. ACTIVITIES/ENROLLMENT

During science, students will be engaged in lectures, demonstrations, laboratory activities, computer analysis of data, multimedia and independent research. Students will use the scientific laboratory apparatus in all science courses with short and long-range activities. Students will be able to do laboratory work independently as wells in groups of two or more.

Teacher-Student Ratio: **1:25**

Grade level for which program is intended: **9-12**

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns / Space	Total Stns.
12	23	09 - 12	SENIOR HIGH SCIENCE LAB (9-12)	1,275	15,300	25	300
	808		MATERIAL STORAGE	100	1,200	0	0
	812		PROJECT STORAGE	150	1,800	0	0
			SUBTOTAL	1,525	18,300	25	300

IV. SPECIAL CONSIDERATIONS

- A. **Heating/Cooling/Ventilation** – Standard. Each space, as per district policy, will be centrally controlled by an energy management system. Provided necessary ventilation for the permanent fume hoods.
- B. **Acoustical** – Standard acoustical treatment will be provided throughout.
- C. **Floor** – Shall meet District Standards. Flooring to include raised floor for future networking purposes.
- D. **Walls** – Shall meet District Standards.
- E. **Ceiling** – The ceiling height will be a minimum of 9' with acoustical tile panels.

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

- F. **Lighting** – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light parallel to the teaching wall.
- G. **Windows** – Standard. The windows will be operable to allow natural ventilation and/or when required by code. Window treatments will be provided for all exterior windows in order to darken rooms for instructional purposes.
- H. **Doors** – Standard. Exterior doors will be hollow metal with window(s). Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s).
- I. **Water/Plumbing Fixtures** - Provide water to sinks in the lab tables, teacher demonstration tables and storage rooms. Provide safety shower in laboratories with floor sloped to drain. Provide master shut off and located in a secure area.
- J. **Communications** – Shall meet District Standards.
- K. **Electrical** – Shall meet District Standards. Provide outlets for computers, laptop cart, printers and other equipment.
- L. **Gas and Air** - Provide gas and air at the lab tables and teacher demonstration tables. Provide master shut off and located in a secure area.
- M. **Safety** – Shall meet District Standards.
- N. **Fencing** – N/A.
- O. **Service Drives** – N/A.
- P. **Parking** – N/A.
- Q. **Built-ins**
 - 1. Counters and Cabinet/Shelving
 - a. Bookcase with adjustable shelving, 48"x12"x72"
 - b. Storage Cabinet, 48"x30"x72"
 - c. Provide specialized science upper and lower cabinetry with deep sinks and chemical resistant countertop for classrooms, material storage and chemical storage.
 - d. Provide fixed student lab tables with water, gas, air, electric and data for 28 students.
 - e. Provide teacher demonstration table with water, gas, air, electric and data.

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School Board of Sarasota County

Prototype High School

2. Instructional Aids
 - a. Interactive board with projector
 - b. Marker board with map rails, 48"x48" (4)
 - c. Tack board, 48" x 48" (3)

- R. Other Considerations** – Design of classroom shall allow for a space to “park” rolling back packs, bookcases, and/or wireless laptop carts where appropriate.

Classrooms shall be arranged as “career academies” with core subjects and ESE interspersed. Shared teacher planning and storage shall be placed in each academy.

Science classrooms shall have a “split” classroom design with one part of the room having fixed lab tables and another part of the room having student desks/tables. Where practicable, science classrooms shall be paired and project storage will be combined into one 300 nsf prep area.

- S. Next Generation Technologies** – Design to include equipping each classroom with the following Next Generation Technologies
- Interactive board with short throw projector mounted at front instructional area per district specifications
 - CCTV channel changer device per district specifications
 - Enhancement sound system with four to six speaker installations per district specifications. All media audio (voice, computer, CCTV) will be channeled through audio system.
 - Docucam system integrated into video projection screen that allows for manipulation of camera viewing angle.
 - Student access to computers will be per district standards.
 - Probeware and associated sensor interface designed to allow user to digital acquire, process and analyze experimental data on either computer or visual display device to be able to support 10 lab stations.

V. SPATIAL RELATIONSHIPS

Refer to Standard Classroom for Spatial Relationship

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

J.R.O.T.C.

I. OBJECTIVES/GOALS

The high school experience will provide diverse opportunities in a structured learning environment. The goal of the J.R.O.T.C. program is to acquaint students with the armed forces through socialization, decision-making process, citizenship and knowledge acquisition.

II. ACTIVITIES/ENROLLMENT

Through the arrangement of furniture, materials and supplies, a learning laboratory will be created for students to be in large group instruction, small group instruction, and individual instruction. This arrangement will provide an environment that will be physically, mentally and socially conducive to learning.

Teacher-Student Ratio: **1:25**

Grade level for which program is intended: **9-12**

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns. / Space	Total Stns.
1	708	09 - 12	JROTC	1,260	1,260	30	30
	800		ARMS ROOM	150	150	0	0
	801		FIRING RANGE (INDOOR)	2,400	2,400	0	0
	802		INSTRUCTIONAL CONFERENCE ROOM	225	225	0	0
	808		MATERIAL STORAGE	100	100	0	0
			SUBTOTAL	4,135	4,135	30	30

IV. SPECIAL CONSIDERATIONS

- A. **Heating/Cooling/Ventilation** – Standard. Each space, as per district policy, will be centrally controlled by an energy management system.
- B. **Acoustical** – Standard acoustical treatment will be provided throughout.
- C. **Floor** – Shall meet District Standards. Flooring to include raised floor for future networking purposes.
- D. **Walls** – Shall meet District Standards.
- E. **Ceiling** – The ceiling height will be a minimum of 9' with acoustical tile panels.

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

- F. **Lighting** – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light parallel to the teaching wall.
- G. **Windows** – Standard. The windows will be operable to allow natural ventilation and/or when required by code. Window treatments will be provided for all exterior windows in order to darken rooms for instructional purposes.
- H. **Doors** – Standard. Exterior doors will be hollow metal with window(s). Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s).
- I. **Water/Plumbing Fixtures** - Shall meet District Standards.
- J. **Communications** – Shall meet District Standards.
- K. **Electrical** – Shall meet District Standards. Provide outlets for computers, printers and other equipment.
- L. **Gas and Air** - N/A
- M. **Safety** – Shall meet District Standards.
- N. **Fencing** – N/A.
- O. **Service Drives** – N/A.
- P. **Parking** – N/A.
- Q. **Built-ins**
 - 1. Counters and Cabinet/Shelving
 - a. Bookcase with adjustable shelving, 48"x12"x72"
 - b. Storage Cabinet, 48"x30"x72"
 - c. Provide 90" x 24" base cabinetry and upper cabinets
 - d. Provide 1 and 2 tiered rod system with shelves above for uniform storage.
 - 3. Provide gun rack to hold 24 simulated rifles.
 - 2. Instructional Aids
 - a. Interactive board with projector
 - b. Marker board with map rails, 48"x48" (4)
 - c. Tack board, 48" x 48" (3)

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

- R. Other Considerations** - Design of classroom shall allow for a space to “park” rolling back packs, bookcases, and/or wireless laptop carts where appropriate.

Classrooms shall be arranged as “career academies” with core subjects and ESE interspersed. Shared teacher planning and storage shall be placed in each academy.

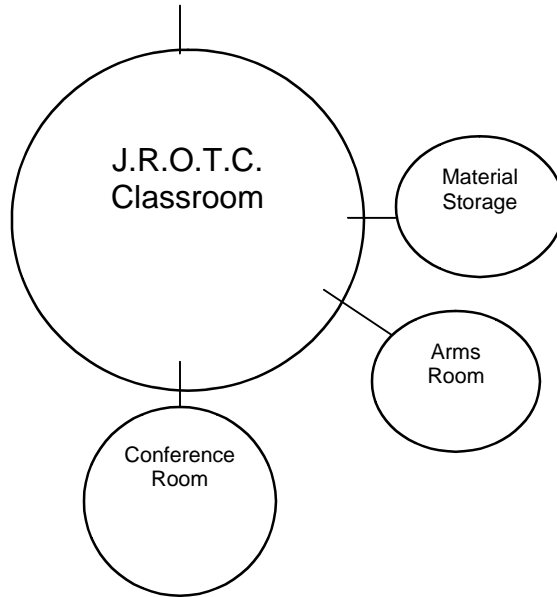
- S. Next Generation Technologies** – Design to include equipping each classroom with the following Next Generation Technologies
- Interactive board with short throw projector mounted at front instructional area per district specifications
 - CCTV channel changer device per district specifications
 - Enhancement sound system with four to six speaker installations per district specifications. All media audio (voice, computer, CCTV) will be channeled through audio system.
 - Docucam system integrated into video projection screen.

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

V. SPATIAL RELATIONSHIPS



EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

SKILLS DEVELOPMENT LABORATORY

I. OBJECTIVES/GOALS

Teaching goals shall extend opportunities to the students for improvement of self-concepts through successful learning experiences.

II. ACTIVITIES AND ENROLLMENT

The activities for the programs are lecture/listening, discussion, audio-visual presentations, research, independent or group projects and presentations, reading, speaking, and writing. Provide experiences and opportunities for students to develop skills in critical thinking, deductive and inductive reasoning, and in problem solving.

Teacher-Student Ratio: **1:25**

Grade level for which program is intended: **9-12**

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns. / Space	Total Stns.
21	12	09 - 12	SENIOR HIGH SKILLS LAB (9-12)	800	16,800	25	525
	808		MATERIAL STORAGE	100	2,100	0	0
			SUBTOTAL	900	18,900	25	525

IV. SPECIAL CONSIDERATIONS

- A. **Heating/Cooling/Ventilation** – Standard. Each space, as per district policy, will be centrally controlled by an energy management system. The HVAC system must be able to handle the extra heat generated by the computers and other equipment.
- B. **Acoustical** – Standard acoustical treatment will be provided throughout.
- C. **Floor** – Shall meet District Standards. Flooring to include raised floor for future networking purposes.
- D. **Walls** – Shall meet District Standards.
- E. **Ceiling** – The ceiling height will be a minimum of 9' with acoustical tile panels.
- F. **Lighting** – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light parallel to the audio-visual screen.

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

- G. **Windows** – Standard. The windows will be operable to allow natural ventilation and/or when required by code. Window treatments will be provided for all exterior windows in order to darken rooms for instructional purposes.
- H. **Doors** – Standard. Exterior doors will be hollow metal with window(s). Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s).
- I. **Water/Plumbing Fixtures** – Shall meet District Standards.
- J. **Communications** – Shall meet District Standards.
- K. **Electrical** – Shall meet District Standards. Provide outlets for computers, printers and other equipment.
- L. **Gas and Air** - N/A.
- M. **Safety** – Shall meet District Standards.
- N. **Fencing** – N/A.
- O. **Service Drives** – N/A.
- P. **Parking** – N/A.
- Q. **Built-ins** –
 - 1. Counters and Cabinet/Shelving
 - a. Bookcase with adjustable shelving, 48"x12"x72"
 - b. Storage Cabinet, 48"x30"x72"
 - c. Provide 90" x 24" base cabinetry and upper cabinets
 - 2. Instructional Aids
 - a. Interactive board with projector
 - b. Marker board with map rails, 48"x48" (4)
 - c. Tack board, 48" x 48" (3)
- R. **Other Considerations** – Design of classroom shall allow for a space to "park" rolling back packs, bookcases, and/or wireless laptop carts where appropriate.

Classrooms shall be arranged as "career academies" with core subjects and ESE interspersed. Shared teacher planning and storage shall be placed in each academy.

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

- S. **Next Generation Technologies** – Design to include equipping each classroom with the following Next Generation Technologies
- Interactive board with short throw projector mounted at front instructional area per district specifications
 - CCTV channel changer device per district specifications
 - Enhancement sound system with four to six speaker installations per district specifications. All media audio (voice, computer, CCTV) will be channeled through audio system.
 - Docucam system integrated into video projection screen.

V. **SPATIAL RELATIONSHIPS**

Refer to Standard Classroom for Spatial Relationship

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

RESOURCE ROOM

I. OBJECTIVES/GOALS

Resource Rooms are used to support the instructional program by providing space for supplemental activities.

II. ACTIVITIES/ENROLLMENT

Program activities include small group instruction and student testing.

Teacher-Student Ratio: **1:10**

Grade level for which program is intended: **9-12**

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns. / Space	Total Stns.
10	40	PK - 12	RESOURCE ROOM	290	2,900	10	0
	808		MATERIAL STORAGE	100	1,000	0	0
			SUBTOTAL	390	3,900	10	0

IV. SPECIAL CONSIDERATIONS

- A. **Heating/Cooling/Ventilation** – Standard. Each space, as per district policy, will be centrally controlled by an energy management system.
- B. **Acoustical** – Standard acoustical treatment will be provided throughout.
- C. **Floor** – Shall meet District Standards. Flooring to include raised floor for future networking purposes.
- D. **Walls** – Shall meet District Standards.
- E. **Ceiling** – The ceiling height will be a minimum of 9' with acoustical tile panels.
- F. **Lighting** – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light parallel to the audio-visual screen.
- G. **Windows** – Standard. The windows will be operable to allow natural ventilation and/or when required by code. Window treatments will be provided for all exterior windows in order to darken rooms for instructional purposes.

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

- H. **Doors** – Standard. Exterior doors will be hollow metal with window(s). Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s).
- I. **Water/Plumbing Fixtures** – N/A.
- J. **Communications** – Shall meet District Standards.
- K. **Electrical** – Shall meet District Standards. Provide outlets for computers, printers and other equipment.
- L. **Gas and Air** - N/A.
- M. **Safety** – Shall meet District Standards.
- N. **Fencing** – N/A.
- O. **Service Drives** – N/A.
- P. **Parking** – N/A.
- Q. **Built-ins**
1. Counters and Cabinet/Shelving
 - a. Bookcase with adjustable shelving, 48"x12"x72"
 - b. Storage Cabinet, 48"x30"x72"
 - c. Provide 90" x 24" cabinetry with lower and upper cabinets
 2. Instructional Aids
 - a. Interactive board with projector
 - b. Marker board with map rails, 48"x48" (3)
 - c. Tack board, 48" x 48" (2)
- R. **Other Considerations** - Classrooms shall be arranged as "career academies" with core subjects and ESE interspersed. Shared teacher planning and storage shall be placed in each academy.
- S. **Next Generation Technologies** – Design to include equipping each classroom with the following Next Generation Technologies
- Interactive board with short throw projector mounted at front instructional area per district specifications
 - CCTV channel changer device per district specifications
 - Enhancement sound system with four to six speaker installations per district specifications. All media audio (voice, computer, CCTV) will be channeled through audio system.
 - Docucam system integrated into video projection screen.
 - Student access to computers will be per district standards.

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

V. SPATIAL RELATIONSHIPS

Refer to Standard Classroom for Spatial Relationship

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

EXCEPTIONAL STUDENT EDUCATION

I. OBJECTIVES/GOALS

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

II. ACTIVITIES AND ENROLLMENT

Students with special learning styles will be provided educational programs designed to meet their individual needs. Individualized and small group instruction will be provided.

Teacher-Student Ratio: **Varies**

Grade level for which program is intended: **9-12**

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
5	61	PK - 12	E S E PART-TIME	975	4,875	15	75
	808		MATERIAL STORAGE	100	500	0	0
	813		STUDENT STORAGE	40	200	0	0
	815		STUDENT RESTROOM (MALE)	35	175	0	0
	816		STUDENT RESTROOM (FEMALE)	35	175	0	0
			SUBTOTAL	1,185	5,925	15	75
1	704	06 - 12	SUSPENSION/DETENTION	600	600	20	20
	808		MATERIAL STORAGE	100	100	0	0
	815		STUDENT RESTROOM (MALE)	35	35	0	0
	816		STUDENT RESTROOM (FEMALE)	35	35	0	0
			SUBTOTAL	770	770	20	20
5	62	PK - 12	E S E FULL-TIME	950	4,750	10	50
	808		MATERIAL STORAGE	100	500	0	0
	813		STUDENT STORAGE	40	200	0	0
	815		STUDENT RESTROOM (MALE)	35	175	0	0
	816		STUDENT RESTROOM (FEMALE)	35	175	0	0
	817		STUDENT RESTROOM & BATH	110	550	0	0
			SUBTOTAL	1,270	6,350	10	50
1	63	PK - 12	E S E VOCATIONAL	1,140	1,140	12	12
	808		MATERIAL STORAGE	100	100	0	0
	815		STUDENT RESTROOM (MALE)	35	35	0	0
	816		STUDENT RESTROOM (FEMALE)	35	35	0	0

EDUCATIONAL SPECIFICATIONS

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Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
			SUBTOTAL	1,310	1,310	12	12
1	64	PK - 12	E S E PT/OT LAB	475	475	5	0
	808		MATERIAL STORAGE	100	100	0	0
	813		STUDENT STORAGE	40	40	0	0
	817		STUDENT RESTROOM & BATH	110	110	0	0
			SUBTOTAL	725	725	5	0
7	65	PK - 12	E S E RESOURCE	380	2,660	4	0
	808		MATERIAL STORAGE	100	700	0	0
	813		STUDENT STORAGE	40	280	0	0
			SUBTOTAL	520	3,640	4	0
5	66	PK - 12	E S E SUPPLEMENTARY INSTRUCTION	50	250	2	0
	808		MATERIAL STORAGE	100	500	0	0
			SUBTOTAL	150	750	2	0

IV. SPECIAL CONSIDERATIONS

- A. **Heating/Cooling/Ventilation** – Standard. Each space, as per district policy, will be centrally controlled by an energy management system.
- B. **Acoustical** – Standard acoustical treatment will be provided throughout.
- C. **Floor** – Shall meet District Standards. Flooring to include raised floor for future networking purposes.
- D. **Walls** – Shall meet District Standards.
- E. **Ceiling** – The ceiling height will be a minimum of 9' with acoustical tile panels.
- F. **Lighting** – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light parallel to the audio-visual screen.
- G. **Windows** – Standard. The windows will be operable to allow natural ventilation and/or when required by code. Window treatments will be provided for all exterior windows in order to darken rooms for instructional purposes. Provide observation windows in areas where District/School Staff as deemed necessary.
- H. **Doors** – Standard. Exterior doors will be hollow metal with window(s). Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s).
- I. **Water/Plumbing Fixtures** – Shall meet District Standards.

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

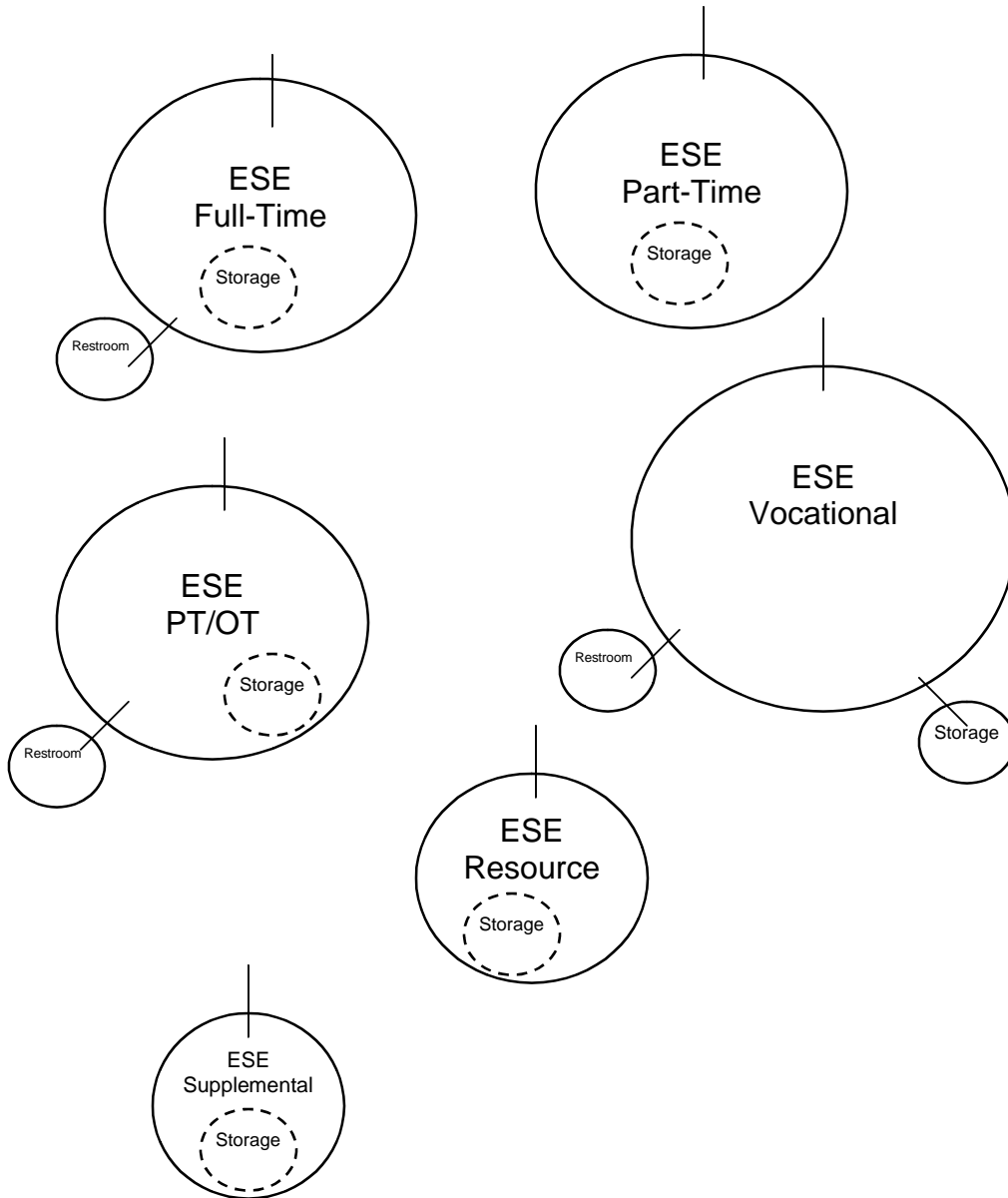
- J. **Communications** – Shall meet District Standards.
- K. **Electrical** – Shall meet District Standards. Provide outlets for computers, printers and other equipment.
- L. **Gas and Air** - N/A.
- M. **Safety** – Shall meet District Standards.
- N. **Fencing** – N/A.
- O. **Service Drives** – N/A.
- P. **Parking** – N/A.
- Q. **Built-ins**
1. Counters and Cabinet/Shelving
 - a. Bookcase with adjustable shelving, 48"x12"x72"
 - b. Storage Cabinet, 48"x30"x72"
 - c. Provide 90" x 24" lower cabinetry and upper cabinets
 2. Instructional Aids
 - a. Interactive board with projector
 - b. Marker board with map rails, 48"x48" (4)
 - c. Tack board, 48" x 48" (3)
- R. **Other Considerations** – Design of classroom shall allow for a space to "park" rolling back packs, bookcases, and/or wireless laptop carts where appropriate.
- Classrooms shall be arranged as "career academies" with core subjects and ESE interspersed. Shared teacher planning and storage shall be placed in each academy.
- S. **Next Generation Technologies** – Design to include equipping each classroom with the following Next Generation Technologies
- Interactive board with short throw projector mounted at front instructional area per district specifications
 - CCTV channel changer device per district specifications
 - Enhancement sound system with four to six speaker installations per district specifications. All media audio (voice, computer, CCTV) will be channeled through audio system.
 - Docucam system integrated into video projection screen.
 - Student access to computers will be per district standards.

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

V. SPATIAL RELATIONSHIPS



EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

ART

I. OBJECTIVES/GOALS

The art program shall provide opportunities to learn and appreciate past and present artistic expressions of others. A variety of course offerings provide many opportunities for students to develop their artistic talents.

II. ACTIVITIES AND ENROLLMENT

The art curriculum will provide many different types of activities such as drawing, painting, mixed media, photography, ceramics, printmaking, and art appreciation. In addition to 2-D and 3-D Art classrooms, one Small Technology Lab shall be used for Graphic Arts, allowing for instruction in computer generated art.

Teacher-Student Ratio: **1:28**

Grade level for which program is intended: **9-12**

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns. / Space	Total Stns.
2	52	09 - 12	ART - SENIOR HIGH	1,590	3,180	30	60
	803		INSTRUCTIONAL DARKROOM	100	200	0	0
	805		KILN	60	120	0	0
	808		MATERIAL STORAGE	100	200	0	0
	812		PROJECT STORAGE	150	300	0	0
			SUBTOTAL	2,000	4,000	30	60

IV. SPECIAL CONSIDERATIONS

- A. **Heating/Cooling/Ventilation** – Standard. Each space, as per district policy, will be centrally controlled by an energy management system. Provide special ventilation for kiln room.
- B. **Acoustical** - Standard acoustical treatment will be provided throughout to control reverberation, echo and/or excessive deadness.
- C. **Floor** – Shall meet District Standards. Provide smooth transition from art classroom to art patio to kiln room for the rolling of carts. Flooring to include raised floor for future networking purposes.
- D. **Walls** - Shall meet District Standards. Provide wall space for murals where possible. Provide the maximum amount of wall space for tackable material to display art work.

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

- E. **Ceiling** – The ceiling height will be a minimum of 9” with acoustical tile panels.
- F. **Lighting** – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light parallel to the audio-visual screen. Provide track lighting to illuminate art displays.
- G. **Windows** – Standard. The windows will be operable to allow natural ventilation and/or when required by code. Window treatments will be provided for all exterior windows in order to darken rooms for instructional purposes. Allow for natural light from a northern source.
- H. **Doors** – Standard. Exterior doors will be hollow metal with window(s). Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s). The kiln room door shall be fire rated.
- I. **Water/Plumbing Fixtures** - Provide two deep art sink(s) with gooseneck faucet in the cabinetry in the classroom. Locate a hose bibb at the art patio.
- J. **Communications** – Shall meet District Standards. Graphic arts shall have data and power for 30 student computers.
- K. **Electrical** – Shall meet District Standards. Provide outlets for kiln(s), computers, printers and other equipment. Graphic arts shall have data and power for 30 student computers.
- L. **Gas and Air** - N/A.
- M. **Safety** – Shall meet District Standards.
- N. **Fencing** – N/A.
- O. **Service Drives** – N/A.
- P. **Parking** – N/A.
- Q. **Built-ins**
 - 1. Counters and Cabinet/Shelving
 - a. Provide base cabinets with double compartment sink in the Art classrooms.
 - b. Provide base cabinet with art sink in Art classrooms.
 - c. Provide cabinets with fully vented doors and 15 adjustable shelves in the Art classrooms.

EDUCATIONAL SPECIFICATIONS

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Prototype High School

- d. Provide upper and lower cabinets with a counter in the middle and 4" vertical dividers in part of the lower cabinets in the classroom.
 - e. Provide storage cabinets with adjustable shelves and no doors in Project/Material Storage. Storage cabinets shall include storage of large paper.
 - f. Provide metal shelving in Kiln room.
 - g. Provide upper and lower cabinets with sink in darkroom.
 - h. Provide 90"x 24" lower cabinetry and upper cabinets in Graphic Arts
2. Instructional Aids
 - a. Interactive board with projector
 - b. Marker board with map rails, 48"x48" (4)
 - c. Tack board, 48" x 48" (3)
 - d. Provide floor to ceiling tack board in classroom.

R. Other Considerations –

1. Provide pre-cast concrete benches at the outside art patio.
2. Provide Kiln with thermostatically controlled exhaust hood.
3. Design of classroom shall allow for a space to "park" rolling back packs, bookcases, and/or wireless laptop carts where appropriate.
4. Provide area outside of Art classroom(s) for displaying of projects.
5. Art shall be located in close proximity to music and auditorium and a classroom that can be used for drama.

S. Next Generation Technologies – Design to include equipping each classroom with the following Next Generation Technologies

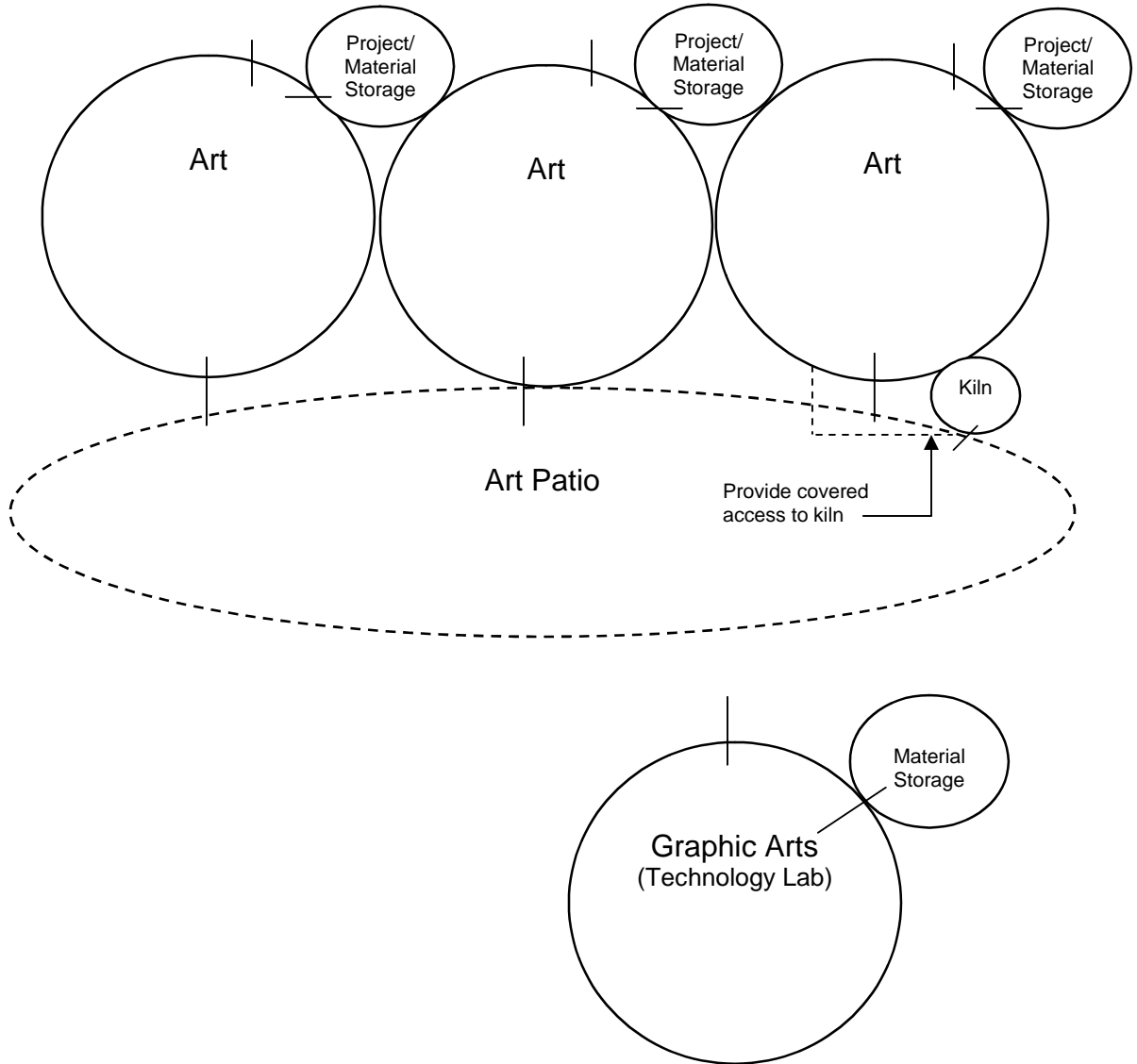
- Interactive board with short throw projector mounted at front instructional area per district specifications
- CCTV channel changer device per district specifications
- Enhancement sound system with four to six speaker installations per district specifications. All media audio (voice, computer, CCTV) will be channeled through audio system.
- Docucam system integrated into video projection screen.
- Student access to computers will be per district standards.

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

V. SPATIAL RELATIONSHIPS



EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

BAND

I. OBJECTIVES/GOALS

The music program will enable students to compose; sing and play instruments; read and write music. Students will develop critical thinking and problem solving skills through music composition, performance and listening. Students will listen to, analyze, describe and evaluate their own performance and those of others.

II. ACTIVITIES AND ENROLLMENT

The music curriculum will consist of formal courses of study, performing groups, individualized instruction and music activities. Group rehearsals, ensemble groups, individualized instruction and general teaching will utilize the music facilities.

Teacher-Student Ratio: varies

Grade level for which program is intended: 9-12

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns. / Space	Total Stns.
1	76	06 - 12	BAND CLASS (MIDDLE-SR HIGH)	2,000	2,000	50	50
	806		REFERENCE	100	100	0	0
	808		MATERIAL STORAGE	100	100	0	0
	830		MUSIC ENSEMBLE	300	300	0	0
	831		MUSIC PRACTICE ROOM	70	70	0	0
	832		INSTRUMENT STORAGE	600	600	0	0
	834		UNIFORM STORAGE	300	300	0	0
	835		MUSIC STUDIO	180	180	0	0
	836		SHEET MUSIC STORAGE	150	150	0	0
	837		MUSIC EQUIPMENT STORAGE	400	400	0	0
			SUBTOTAL	4,200	4,200	50	50

IV. SPECIAL CONSIDERATIONS

- A. Heating/Cooling/Ventilation – Standard. Each space, as per district policy, will be centrally controlled by an energy management system. Provide controls for temperature and humidity during times school is not in session to protect the musical instruments from damage.
- B. Acoustical - Standard acoustical treatment will be provided throughout to control reverberation, echo and/or excessive deadness. Extra acoustical

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

treatment on the walls and ceiling may be necessary to prevent sound from entering or leaving from the classroom.

- C. **Floor** – Shall meet District Standards. Flooring to include raised floor for future networking purposes.
- D. **Walls** - Shall meet District Standards.
- E. **Ceiling** – The ceiling height will be a minimum of 22' with acoustical tile panels.
- F. **Lighting** – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light parallel to the audio-visual screen.
- G. **Windows** – Standard. The windows will be operable to allow natural ventilation and/or when required by code. Window treatments will be provided for all exterior windows in order to darken rooms for instructional purposes. Provide observation windows between classroom and practice room(s) and classroom and ensemble.
- H. **Doors** – Provide heavy doors to hallways that will serve to contain sound within the band room. Exterior doors will be hollow metal with window(s). Provide double doors or wide doors to the entrance of the band room and to the outside for movement of instruments. Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s). Provide full-length window in practice rooms.
- I. **Water/Plumbing Fixtures** - Shall meet District Standards. Provide sink with gooseneck faucet and bubbler in the cabinetry in the classroom with hot and cold water.
- J. **Communications** – Shall meet District Standards.
- K. **Electrical** – Shall meet District Standards. Provide outlets for computers, printers and other equipment.
- L. **Gas and Air** - N/A.
- M. **Safety** – Shall meet District Standards.
- N. **Fencing** – N/A.
- O. **Service Drives** – The band classroom should be located near the service drive.
- P. **Parking** – N/A.

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

Q. Built-ins

1. Counters and Cabinet/Shelving
 - a. Bookcase with adjustable shelving, 48"x12"x72"
 - b. Storage Cabinet, 48"x30"x72"
 - c. Provide 90" x 24" cabinetry with sink and bubbler; and upper cabinets
 - d. Provide double-tiered rods with shelves above rods on all walls of Uniform Storage.
2. Instructional Aids
 - a. Interactive board with projector
 - b. Marker board with map rails, 48"x48" (4)
 - c. Tack board, 48" x 48" (3)
 - d. Marker Board, 8'x5' Music Staff with 4' tack board above

R. Other Considerations – Design of classroom shall allow for a space to “park” rolling back packs, bookcases, and/or wireless laptop carts where appropriate.

S. Next Generation Technologies – Design to include equipping each classroom with the following Next Generation Technologies

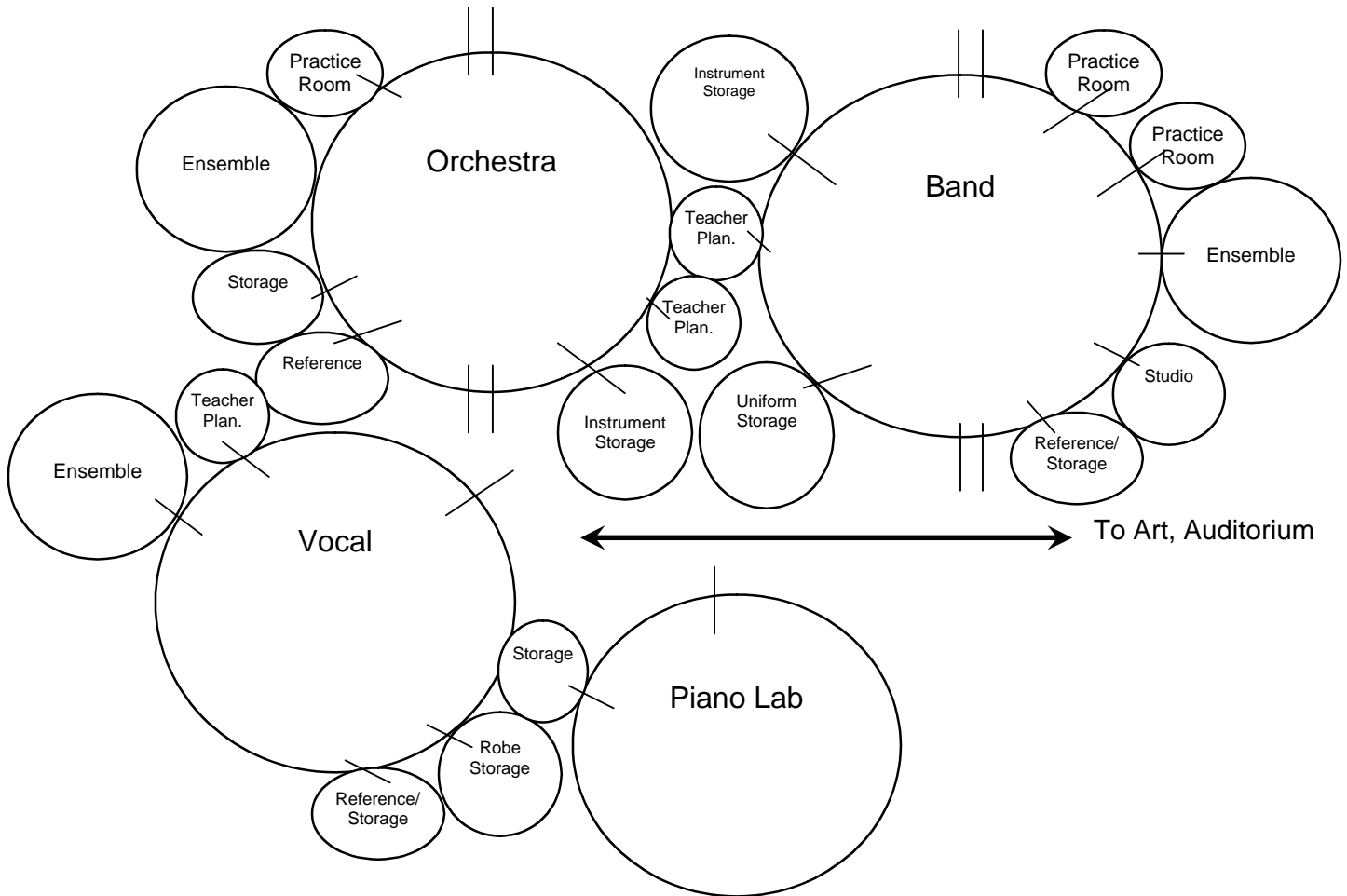
- Interactive board with short throw projector mounted at front instructional area per district specifications
- CCTV channel changer device per district specifications
- Enhancement sound system with four to six speaker installations per district specifications. All media audio (voice, computer, CCTV) will be channeled through audio system.
- Docucam system integrated into video projection screen

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

V. SPATIAL RELATIONSHIPS



EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

VOCAL

I. OBJECTIVES/GOALS

The music program will enable students to compose; sing and play instruments; read and write music. Students will develop critical thinking and problem solving skills through music composition, performance and listening. Students will listen to, analyze, describe and evaluate their own performance and those of others.

II. ACTIVITIES AND ENROLLMENT

The music curriculum will consist of formal courses of study, performing groups, individualized instruction and music activities. Group rehearsals, ensemble groups, individualized instruction and general teaching will utilize the music facilities.

Teacher-Student Ratio: varies

Grade level for which program is intended: 9-12

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns. / Space	Total Stns.
1	75	06 - 12	VOCAL MUSIC CLASS (MIDDLE-SR HIGH)	1,425	1,425	25	25
	806		REFERENCE	100	100	0	0
	808		MATERIAL STORAGE	100	100	0	0
	830		MUSIC ENSEMBLE	300	300	0	0
	831		MUSIC PRACTICE ROOM	70	70	0	0
	833		ROBE STORAGE	150	150	0	0
	836		SHEET MUSIC STORAGE	150	150	0	0
	837		MUSIC EQUIPMENT STORAGE	400	400	0	0
			SUBTOTAL	2,695	2,695	25	25

IV. SPECIAL CONSIDERATIONS

- A. Heating/Cooling/Ventilation – Standard. Each space, as per district policy, will be centrally controlled by an energy management system. Provide controls for temperature and humidity during times school is not in session to protect the musical instruments from damage.
- B. Acoustical - Standard acoustical treatment will be provided throughout to control reverberation, echo and/or excessive deadness. Extra acoustical treatment on the walls and ceiling may be necessary to prevent sound from entering or leaving from the classroom.

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- C. **Floor** – Shall meet District Standards that are conducive to the acoustics necessary for vocal usage. Flooring to include raised floor for future networking purposes.
- D. **Walls** - Shall meet District Standards.
- E. **Ceiling** – The ceiling height will be a minimum of 20' with acoustical tile panels.
- F. **Lighting** – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light parallel to the audio-visual screen.
- G. **Windows** – Standard. The windows will be operable to allow natural ventilation and/or when required by code. Window treatments will be provided for all exterior windows in order to darken rooms for instructional purposes.
- H. **Doors** – Provide heavy doors to hallways that will serve to contain sound within the vocal room. Exterior doors will be hollow metal with window(s). Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s). Provide full-length window in practice room.
- I. **Water/Plumbing Fixtures** - Shall meet District Standards.
- J. **Communications** – Shall meet District Standards.
- K. **Electrical** – Shall meet District Standards. Provide outlets for computers, printers and other equipment.
- L. **Gas and Air** - N/A.
- M. **Safety** – Shall meet District Standards.
- N. **Fencing** – N/A.
- O. **Service Drives** – N/A.
- P. **Parking** – N/A.
- Q. **Built-ins**
 - 1. Counters and Cabinet/Shelving
 - a. Bookcase with adjustable shelving, 48"x12"x72"
 - b. Storage Cabinet, 48"x30"x72"
 - c. Provide 90" x 24" cabinetry with sink and bubbler; and upper cabinets

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- d. Provide single-tiered rod with shelves above rods on all walls of Robe Storage.
2. Instructional Aids
 - a. Interactive board with projector
 - b. Marker board with map rails, 48"x48" (4)
 - c. Tack board, 48" x 48" (3)
 - d. Marker Board, 8'x5' Music Staff with 4' tack board above
- R. **Other Considerations** – Design of classroom shall allow for a space to “park” rolling back packs, bookcases, and/or wireless laptop carts where appropriate.
- S. **Next Generation Technologies** – Design to include equipping each classroom with the following Next Generation Technologies
 - Interactive board with short throw projector mounted at front instructional area per district specifications
 - CCTV channel changer device per district specifications
 - Enhancement sound system with four to six speaker installations per district specifications. All media audio (voice, computer, CCTV) will be channeled through audio system.
 - Docucam system integrated into video projection screen.

V. **SPATIAL RELATIONSHIPS**

For spatial relationships, see Band.

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

ORCHESTRA

I. OBJECTIVES/GOALS

The music program will enable students to compose; sing and play instruments; read and write music. Students will develop critical thinking and problem solving skills through music composition, performance and listening. Students will listen to, analyze, describe and evaluate their own performance and those of others.

II. ACTIVITIES AND ENROLLMENT

The music curriculum will consist of formal courses of study, performing groups, individualized instruction and music activities. Group rehearsals, ensemble groups, individualized instruction and general teaching will utilize the music facilities.

Teacher-Student Ratio: varies

Grade level for which program is intended: 9-12

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns. / Space	Total Stns.
1	77	06 - 12	ORCHESTRA CLASS (MIDDLE-SR HIGH)	1,425	1,425	25	25
	806		REFERENCE	100	100	0	0
	808		MATERIAL STORAGE	100	100	0	0
	830		MUSIC ENSEMBLE	300	300	0	0
	831		MUSIC PRACTICE ROOM	70	70	0	0
	832		INSTRUMENT STORAGE	600	600	0	0
	836		SHEET MUSIC STORAGE	150	150	0	0
	837		MUSIC EQUIPMENT STORAGE	400	400	0	0
			SUBTOTAL	3,145	3,145	25	25

IV. SPECIAL CONSIDERATIONS

- A. Heating/Cooling/Ventilation – Standard. Each space, as per district policy, will be centrally controlled by an energy management system. Provide controls for temperature and humidity during times school is not in session to protect the musical instruments from damage.
- B. Acoustical - Standard acoustical treatment will be provided throughout to control reverberation, echo and/or excessive deadness. Extra acoustical treatment on the walls and ceiling may be necessary to prevent sound from entering or leaving from the classroom.
- C. Floor – Shall meet District Standards. Flooring to include raised floor for future networking purposes.

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- D. **Walls** - Shall meet District Standards.
- E. **Ceiling** – The ceiling height will be a minimum of 22' with acoustical tile panels.
- F. **Lighting** – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light parallel to the audio-visual screen.
- G. **Windows** – Standard. The windows will be operable to allow natural ventilation and/or when required by code. Window treatments will be provided for all exterior windows in order to darken rooms for instructional purposes. Provide observation windows between classroom and practice room(s) and classroom and ensemble.
- H. **Doors** – Provide heavy doors to hallways that will serve to contain sound within the orchestra room. Exterior doors will be hollow metal with window(s). Provide double doors or wide doors to the entrance of the orchestra room and to the outside for movement of instruments. Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s). Provide full-length window in practice rooms.
- I. **Water/Plumbing Fixtures** – Shall meet District Standards. Provide sink with gooseneck faucet and bubbler in the cabinetry in the classroom with hot and cold water.
- J. **Communications** – Shall meet District Standards.
- K. **Electrical** – Shall meet District Standards. Provide outlets for computers, printers and other equipment.
- L. **Gas and Air** – N/A.
- M. **Safety** – Shall meet District Standards.
- N. **Fencing** – N/A.
- O. **Service Drives** – The orchestra classroom should be located near the service drive.
- P. **Parking** – N/A.
- Q. **Built-ins**
 - 1. Counters and Cabinet/Shelving
 - a. Bookcase with adjustable shelving, 48"x12"x72"
 - b. Storage Cabinet, 48"x30"x72"

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- c. Provide 90" x 24" cabinetry with sink and bubbler; and upper cabinets
2. Instructional Aids
 - a. Interactive board with projector
 - b. Marker board with map rails, 48"x48" (4)
 - c. Tack board, 48" x 48" (3)
 - d. Marker Board, 8'x5' Music Staff with 4' tack board above

R. Other Considerations – Design of classroom shall allow for a space to “park” rolling back packs, bookcases, and/or wireless laptop carts where appropriate.

- S. Next Generation Technologies** – Design to include equipping each classroom with the following Next Generation Technologies
- Interactive board with short throw projector mounted at front instructional area per district specifications
 - CCTV channel changer device per district specifications
 - Enhancement sound system with four to six speaker installations per district specifications. All media audio (voice, computer, CCTV) will be channeled through audio system.
 - Docucam system integrated into video projection screen.

V. SPATIAL RELATIONSHIPS

For spatial relationships, see Band.

EDUCATIONAL SPECIFICATIONS

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Prototype High School

PIANO/KEYBOARD LABORATORY

I. OBJECTIVES/GOALS

The music program will enable students to compose; sing and play instruments; read and write music. Students will develop critical thinking and problem solving skills through music composition, performance and listening. Students will listen to, analyze, describe and evaluate their own performance and those of others.

II. ACTIVITIES AND ENROLLMENT

The music curriculum will consist of formal courses of study, performing groups, individualized instruction and music activities. Group rehearsals, ensemble groups, individualized instruction and general teaching will utilize the music facilities.

Teacher-Student Ratio: varies

Grade level for which program is intended: 9-12

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns. / Space	Total Stns.
1	80	06 - 12	PIANO LAB (MIDDLE-SR HIGH)	925	925	25	25
	808		MATERIAL STORAGE	100	100	0	0
			SUBTOTAL	1,025	1,025	25	25

IV. SPECIAL CONSIDERATIONS

- A. Heating/Cooling/Ventilation – Standard. Each space, as per district policy, will be centrally controlled by an energy management system. Provide controls for temperature and humidity during times school is not in session to protect the musical instruments from damage.
- B. Acoustical - Standard acoustical treatment will be provided throughout to control reverberation, echo and/or excessive deadness. Extra acoustical treatment on the walls and ceiling may be necessary to prevent sound from entering or leaving from the classroom.
- C. Floor – Shall meet District Standards. Flooring to include raised floor for future networking purposes.
- D. Walls - Shall meet District Standards.
- E. Ceiling – The ceiling height will be a minimum of 9' with acoustical tile panels.

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- F. **Lighting** – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light parallel to the audio-visual screen.
- G. **Windows** – Standard. The windows will be operable to allow natural ventilation and/or when required by code. Window treatments will be provided for all exterior windows in order to darken rooms for instructional purposes. Provide observation windows between classroom and practice room(s) and classroom and ensemble.
- H. **Doors** – Standard. Exterior doors will be hollow metal with window(s). Provide double doors or wide doors to the entrance of the piano/keyboard laboratory and to the outside for movement of instruments. Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s).
- I. **Water/Plumbing Fixtures** – Shall meet District Standards. Provide sink with gooseneck faucet and bubbler in the cabinetry in the classroom and in instrument storage.
- J. **Communications** – Shall meet District Standards.
- K. **Electrical** – Shall meet District Standards. Provide outlets for computers, printers and other equipment, necessary to serve up to 25 keyboards.
- L. **Gas and Air** – N/A.
- M. **Safety** – Shall meet District Standards.
- N. **Fencing** – N/A.
- O. **Service Drives** – N/A.
- P. **Parking** – N/A.
- Q. **Built-ins**
 - 1. Counters and Cabinet/Shelving
 - a. Bookcase with adjustable shelving, 48"x12"x72"
 - b. Storage Cabinet, 48"x30"x72"
 - c. Provide 90" x 24" cabinetry with sink and bubbler; and upper cabinets
 - 2. Instructional Aids
 - a. Interactive board with projector
 - b. Marker board with map rails, 48"x48" (4)
 - c. Tack board, 48" x 48" (3)
 - d. Marker Board, 8'x5' Music Staff with 4' tack board above

EDUCATIONAL SPECIFICATIONS

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R. Other Considerations – Design of classroom shall allow for a space to “park” rolling back packs, bookcases, and/or wireless laptop carts where appropriate.

S. Next Generation Technologies – Design to include equipping each classroom with the following Next Generation Technologies

- Interactive board with short throw projector mounted at front instructional area per district specifications
- CCTV channel changer device per district specifications
- Enhancement sound system with four to six speaker installations per district specifications. All media audio (voice, computer, CCTV) will be channeled through audio system.
- Docucam system integrated into video projection screen.

V. SPATIAL RELATIONSHIPS

For spatial relationships, see Band.

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

PHYSICAL EDUCATION

I. OBJECTIVES/GOALS

Physical education at all levels should focus on motor skills, knowledge and critical thinking skills necessary for lifelong physical activity that contributes to a healthy lifestyle. Students can benefit from varied experiences that will assist them in evaluating and measuring their own performance. Students can also be involved in activities in which they cooperatively give appropriate feedback to their peers.

II. ACTIVITIES AND ENROLLMENT

The curriculum will consist of various physical activities for group and individualized instruction.

Teacher-Student Ratio: **varies**

Grade level for which program is intended: **9-12**

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns. / Space	Total Stns.
1	112	09 - 12	SR HIGH GYMNASIUM	6,500	6,500	70	70
1	90	06 - 12	P E DRESSING ROOM (MALE)	1,452	1,452	121	0
1	91	06 - 12	P E DRESSING ROOM (FEMALE)	1,452	1,452	121	0
1	92	06 - 12	P E LOCKER ROOM (MALE)	242	242	121	0
1	93	06 - 12	P E LOCKER ROOM (FEMALE)	242	242	121	0
1	94	06 - 12	P E SHOWER (MALE)	242	242	121	0
1	95	06 - 12	P E SHOWER (FEMALE)	242	242	121	0
1	96	06 - 12	P E DRYING AREA (MALE)	242	242	121	0
1	97	06 - 12	P E DRYING AREA (FEMALE)	242	242	121	0
1	98	06 - 12	P E STORAGE (MIDDLE-SR HIGH)	1,089	1,089	121	0
1	99	06 - 12	P E TEACHERS SHOWER (MALE)	22	22	1	0
1	100	06 - 12	P E TEACHERS SHOWER (FEMALE)	22	22	1	0
1	113	06 - 12	GYMNASIUM SEATING	7,776	7,776	243	0
1	114	06 - 12	P E LAUNDRY	242	242	121	0
1	115	06 - 12	P E FIRST AID	242	242	121	0
1	116	06 - 12	P E TRAINING ROOM	250	250	1	0
1	117	06 - 12	P E WEIGHT ROOM	1,000	1,000	1	0
1	118	06 - 12	P E WRESTLING ROOM	1,680	1,680	1	0
1	119	06 - 12	P E GYMNASTICS & DANCE	1,050	1,050	1	0
1	120	06 - 12	GYMNASIUM STORAGE	363	363	121	0
1	370	06 - VE	LOBBY	1,210	1,210	121	0
1	371	06 - VE	CONCESSIONS	200	200	1	0
1	372	06 - VE	TICKET BOOTH	30	30	1	0
			SUBTOTAL	26,032	26,032	1,894	70

EDUCATIONAL SPECIFICATIONS

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Prototype High School

IV. SPECIAL CONSIDERATIONS

- A. **Heating/Cooling/Ventilation** – Standard. Each space, as per district policy, will be centrally controlled by an energy management system. Consider a system that allows the gym’s HVAC system to run without running the entire school.
- B. **Acoustical** – Standard acoustical treatment will be provided throughout.
- C. **Floor** – Shall meet District Standards. Gymnasium floor shall have markings for basketball and volleyball.
- D. **Walls** – Shall meet District Standards. Wall(s) shall have mirrors in the gymnastic/dance room and weight room. Walls in wrestling room shall be padded.
- E. **Ceiling** – Shall meet District Standards.
- F. **Lighting** – Shall meet District Standards.
- G. **Windows** – Shall meet District Standards. Provide observation windows between locker room and teacher planning.
- H. **Doors** – Shall meet District Standards.
- I. **Water/Plumbing Fixtures** – Shall meet District Standards. Provide water fountains at the outdoor playfields. Provide laundry tub in the laundry room, water line for ice machine in laundry room, and connections and drain for whirlpool in training room.
- J. **Communications** - Shall meet District Standards.
- K. **Electrical** - Shall meet District Standards, including outlets for laundry, ice machine, and whirlpool.
- L. **Gas and Air** - N/A
- M. **Safety** – Shall meet District Standards.
- N. **Fencing** – Shall meet District Standards.
- O. **Service Drives** – Shall meet District Standards.
- P. **Parking** – Locate outdoor fields near parking for after school activities.
- Q. **Built-ins** –

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1. Locker Room – Boys and girls locker rooms shall be of sufficient size to provide for physical education and athletics usage.
2. Laundry Room – Provide upper cabinets above industrial washer and dryer. An ice machine, with venting, should go in this room.
3. Training/1st Aid Room –
 - a. Storage Cabinet, 48"x30"x72"
 - b. Provide 90" x 24" base cabinetry and sink and upper cabinets.
 - c. Refrigerator – standard size
 - d. Whirlpool – tub size for one person
4. Provide metal shelving with adjustable shelving on one wall in all storage rooms. Metal shelving shall start 3' AFF.
5. Concession –
 - a. Provide work counter with two open rows under the counter.
 - b. Provide adjustable shelves with 2" lip opposite of counter.
6. Ticket Booth –
 - a. Provide work counter with money drawer.
7. Instructional Aids
 - a. Interactive board with projector in class rooms.
 - b. Marker board with map rails, 48"x48" in Weight Room, and classrooms.
 - c. Tack board, 48" x 48" in class rooms, Locker Rooms, Weight Room, Wrestling and Dance.

R. Other Considerations –

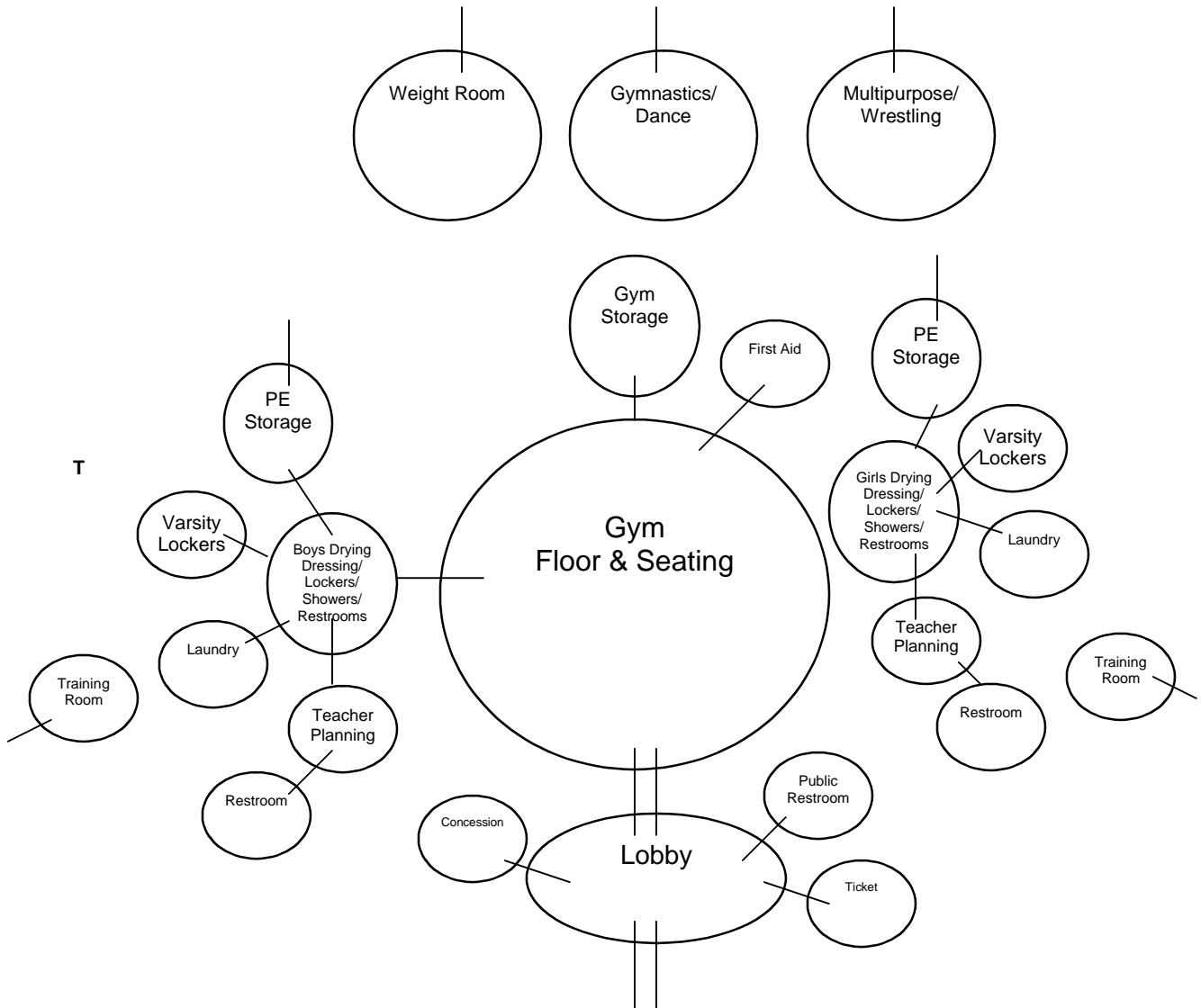
1. Provide outdoor basketball equipment, including post, backboard, rim and net.
2. Provide outdoor volleyball equipment, including volleyball sleeves and standards.
3. Consideration shall be given to locating Gymnastics/Dance near Music, Art, Drama, & Auditorium.
4. The gymnasium should accommodate 1,300 to 2,600 seats, depending upon enrollment of the school.
5. To ensure sufficient courts for all teams' practices and games, the district should consider (a) having nearby middle schools' gym floors be oversized to comply with FHSAA standards, (b) keeping a rebuilt high school's original gym as an additional facility, or (c) using community facilities that comply with standards.

EDUCATIONAL SPECIFICATIONS

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Prototype High School

V. SPATIAL RELATIONSHIPS



EDUCATIONAL SPECIFICATIONS

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Prototype High School

CAREER AND TECHNICAL EDUCATION

I. OBJECTIVES/GOALS

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

II. ACTIVITIES/ENROLLMENT

Through the arrangement of furniture, materials and supplies, and equipment, a learning laboratory will be created for students to be in large group instruction, small group instruction, and individual instruction. This arrangement will provide an environment that will be physically, mentally, socially, and technically conducive to learning. Students will be provided hands-on learning experiences that will assist students with exploring and preparing for a variety of career opportunities. Activities in the labs will vary depending on which career and technical programs utilize the space. Technology Resource rooms may be used as computer resource rooms or classrooms for related instruction, depending on the instructional program and career focus.

Teacher-Student Ratio: **1:20-1:25**

Grade level for which program is intended: **9-12**

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
3	212	09 - VE	BUSINESS EDUCATION LAB	1,460	4,380	20	60
	808		MATERIAL STORAGE	100	300	0	0
			SUBTOTAL	1,560	4,680	20	60
1	233	09 - VE	MEDIUM HOME ECONOMICS LAB	1,380	1,380	20	20
	808		MATERIAL STORAGE	100	100	0	0
	842		KITCHEN (HOME ECONOMICS)	125	125	0	0
	843		LAUNDRY (HOME ECONOMICS)	50	50	0	0
	852		VOCATIONAL TECHNOLOGY RESOURCE CENTER	800	800	0	0
			SUBTOTAL	2,455	2,455	20	20
2	234	09 - VE	LARGE HOME ECONOMICS LAB	2,250	4,500	25	50
	812		PROJECT STORAGE	150	300	0	0
	842		KITCHEN (HOME ECONOMICS)	125	250	0	0
	843		LAUNDRY (HOME ECONOMICS)	50	100	0	0
	852		VOCATIONAL TECHNOLOGY RESOURCE	800	1,600	0	0

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Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
			CENTER				
			SUBTOTAL	3,375	6,750	25	50
3	241	09 - 12	SMALL TECHNOLOGY LAB	1,625	4,875	25	75
	808		MATERIAL STORAGE	100	300	0	0
	852		VOCATIONAL TECHNOLOGY RESOURCE CENTER	800	2,400	0	0
			SUBTOTAL	2,525	7,575	25	75
2	242	09 - 12	MEDIUM TECHNOLOGY LAB	2,375	4,750	25	50
	810		MATERIAL STORAGE (LARGE)	395	790	0	0
	852		VOCATIONAL TECHNOLOGY RESOURCE CENTER	800	1,600	0	0
			SUBTOTAL	3,570	7,140	25	50
2	243	09 - 12	LARGE TECHNOLOGY LAB	3,375	6,750	25	50
	808		MATERIAL STORAGE	100	200	0	0
	810		MATERIAL STORAGE (LARGE)	395	790	0	0
	849		VOCATIONAL PROJECT STORAGE	310	620	0	0
	851		VOCATIONAL TOOL STORAGE (LARGE)	310	620	0	0
	852		VOCATIONAL TECHNOLOGY RESOURCE CENTER	800	1,600	0	0
			SUBTOTAL	5,290	10,580	25	50
2	252	09 - VE	SMALL HEALTH LAB	1,200	2,400	20	40
	804		DISPENSARY	135	270	0	0
	808		MATERIAL STORAGE	100	200	0	0
	812		PROJECT STORAGE	150	300	0	0
	840		VOCATIONAL RELATED CLASSROOM	680	1,360	20	0
			SUBTOTAL	2,265	4,530	40	40
1	270	09 - VE	WORK EVALUATION LAB	1,110	1,110	15	0
	810		MATERIAL STORAGE (LARGE)	395	395	0	0
	853		VOCATIONAL TESTING	250	250	0	0
			SUBTOTAL	1,755	1,755	15	0
1	271	09 - VE	VPI LAB	705	705	15	0
	802		INSTRUCTIONAL CONFERENCE ROOM	225	225	0	0
	808		MATERIAL STORAGE	100	100	0	0
	840		VOCATIONAL RELATED CLASSROOM	680	680	20	0
	846		RECEPTION (VOC ED INSTRUCTION)	90	90	0	0
	853		VOCATIONAL TESTING	250	250	0	0
			SUBTOTAL	2,050	2,050	35	0

EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype High School

IV. SPECIAL CONSIDERATIONS

- A. Heating/Cooling/Ventilation – Standard. Each space, as per district policy, will be centrally controlled by an energy management system.
- B. Acoustical – Standard acoustical treatment will be provided throughout.
- C. Floor – Shall meet District Standards. Flooring to include raised floor for future networking purposes.
- D. Walls – Shall meet District Standards.
- E. Ceiling – The ceiling height will be a minimum of 9' with acoustical tile panels.
- F. Lighting – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light parallel to the teaching wall.
- G. Windows – Standard. The windows will be operable to allow natural ventilation and/or when required by code. Window treatments will be provided for all exterior windows in order to darken rooms for instructional purposes.
- H. Doors – Standard. Exterior doors will be hollow metal with window(s). Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s).
- I. Water/Plumbing Fixtures – Shall meet District Standards.
- J. Communications – Shall meet District Standards.
- K. Electrical – Shall meet District Standards. Provide outlets for computers, printers and other equipment.
- L. Gas and Air – N/A.
- M. Safety – Shall meet District Standards.
- N. Fencing – N/A.
- O. Service Drives – N/A.
- P. Parking – N/A.
- Q. Built-ins

EDUCATIONAL SPECIFICATIONS

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Prototype High School

1. Counters and Cabinet/Shelving
 - a. Bookcase with adjustable shelving, 48"x12"x72"
 - b. Storage Cabinet, 48"x30"x72"
 - c. Provide 90" x 24" base and upper cabinets
2. Instructional Aids
 - a. AV Screen
 - b. Marker board with map rails, 48"x48" (4)
 - c. Tack board, 48" x 48" (3)

R. Other Considerations - Design of classroom shall allow for a space to "park" rolling back packs, bookcases, and/or wireless laptop carts where appropriate.

S. Next Generation Technologies – Design to include equipping each classroom with the following Next Generation Technologies

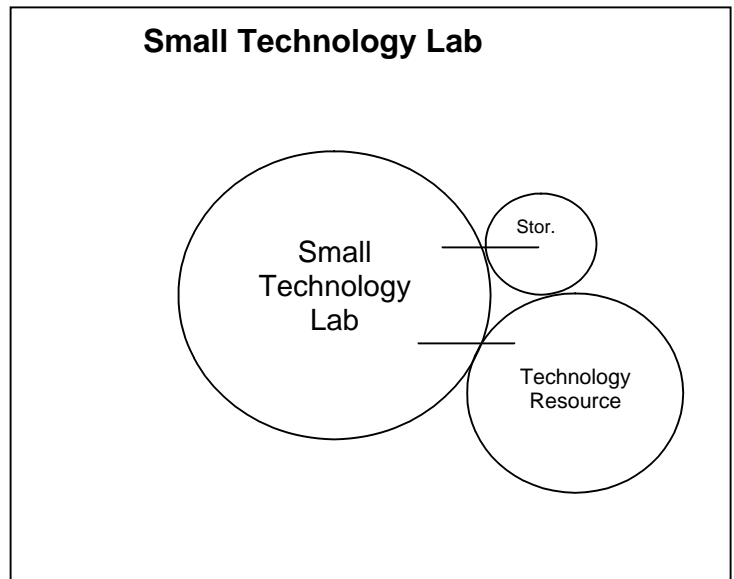
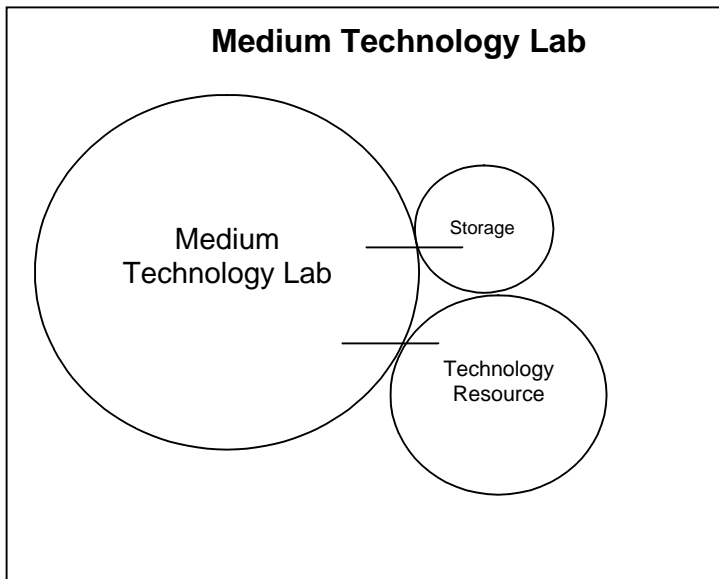
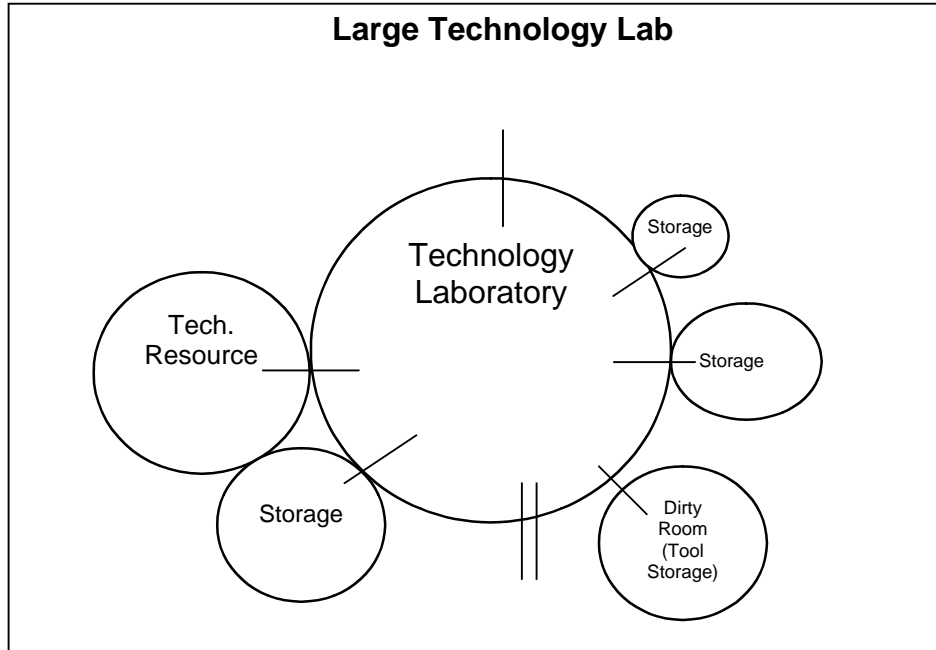
- Interactive board with short throw projector mounted at front instructional area per district specifications
- CCTV channel changer device per district specifications
- Enhancement sound system with four to six speaker installations per district specifications. All media audio (voice, computer, CCTV) will be channeled through audio system.
- Docucam system integrated into video projection screen.
- Appropriate computer technology to provide a one-to-one desktop ratio.

EDUCATIONAL SPECIFICATIONS

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Prototype High School

- **SPATIAL RELATIONSHIPS**



Not all classrooms are shown

EDUCATIONAL SPECIFICATIONS

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Prototype High School

MEDIA CENTER

I. OBJECTIVES/GOALS

The library media program represents a combination of resources that includes people, services, materials, equipment and facilities. Its prime responsibility is to facilitate the teaching-learning process by providing resources and services that satisfy both individual and instructional needs of students in an atmosphere that promotes inquiry, creativity, self-direction, communication of ideas, and the ability to use rational processes.

II. ACTIVITIES AND ENROLLMENT

Both planned and spontaneous interaction in the library media center can occur concurrently. The library media center program is action centered: it facilitates attainment of knowledge by both individuals and groups using different learning modes and different technologies for transmitting information. As a learning laboratory, the library media center must provide flexibility to permit participation in both active and quiet ways.

Teacher-Student Ratio: varies

Grade level for which program is intended: 9-12

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
1	380	PK - VE	LIBRARY (READING ROOM/STACKS)	8,991	8,991	243	0
1	381	PK - VE	MEDIA TECHNICAL PROCESSING	972	972	243	0
1	382	PK - VE	PROFESSIONAL LIBRARY	972	972	243	0
1	383	PK - VE	AUDIO VISUAL STORAGE	1,458	1,458	243	0
1	384	PK - VE	PERIODICAL STORAGE	486	486	243	0
1	385	PK - VE	CLOSED CIRCUIT TV LAB	1,701	1,701	243	0
1	386	PK - VE	CLOSED CIRCUIT STORAGE	1,215	1,215	243	0
1	387	PK - VE	MEDIA PRODUCTION LAB	1,215	1,215	243	0
1	388	PK - VE	MEDIA COPYING ROOM	486	486	243	0
1	389	PK - VE	MEDIA SMALL GROUP ROOM	242	242	121	0
1	390	PK - VE	MEDIA GROUP PROJECTS/INSTRUCTION	1,215	1,215	243	0
1	391	PK - VE	MEDIA MAINTENANCE/REPAIR	242	242	121	0
			SUBTOTAL	19,195	19,195	2,672	0

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IV. SPECIAL CONSIDERATIONS

- A. **Heating/Cooling/Ventilation** – Standard. Each space, as per district policy, will be centrally controlled by an energy management system. The HVAC system must be able to handle the extra heat generated by the computers and other equipment along with humidity control for the preservation of books.
- B. **Acoustical** – Standard acoustical treatment will be provided throughout. Special sound treatment is necessary for the CCTV area.
- C. **Floor** – Shall meet District Standards
- D. **Walls** – Shall meet District Standards.
- E. **Ceiling** – The ceiling height will be a minimum of 9’ with acoustical tile panels.
- F. **Lighting** – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light parallel to AV screen.
- G. **Windows** – Standard. Provide observation windows in Technical Processing, Group Projects, and CCTV Control Room.
- H. **Doors** – Standard. Provide large doors for equipment.
- I. **Water/Plumbing Fixtures** – Standard.
- J. **Communications** - Standard
- K. **Electrical** - Provide outlets for computers, printers and other equipment.
- L. **Gas and Air** - N/A.
- M. **Safety** – N/A.
- N. **Fencing** – N/A.
- O. **Service Drives** – N/A.
- P. **Parking** – N/A.
- Q. **Built-ins**
 - 1. Counters and Cabinet/Shelving

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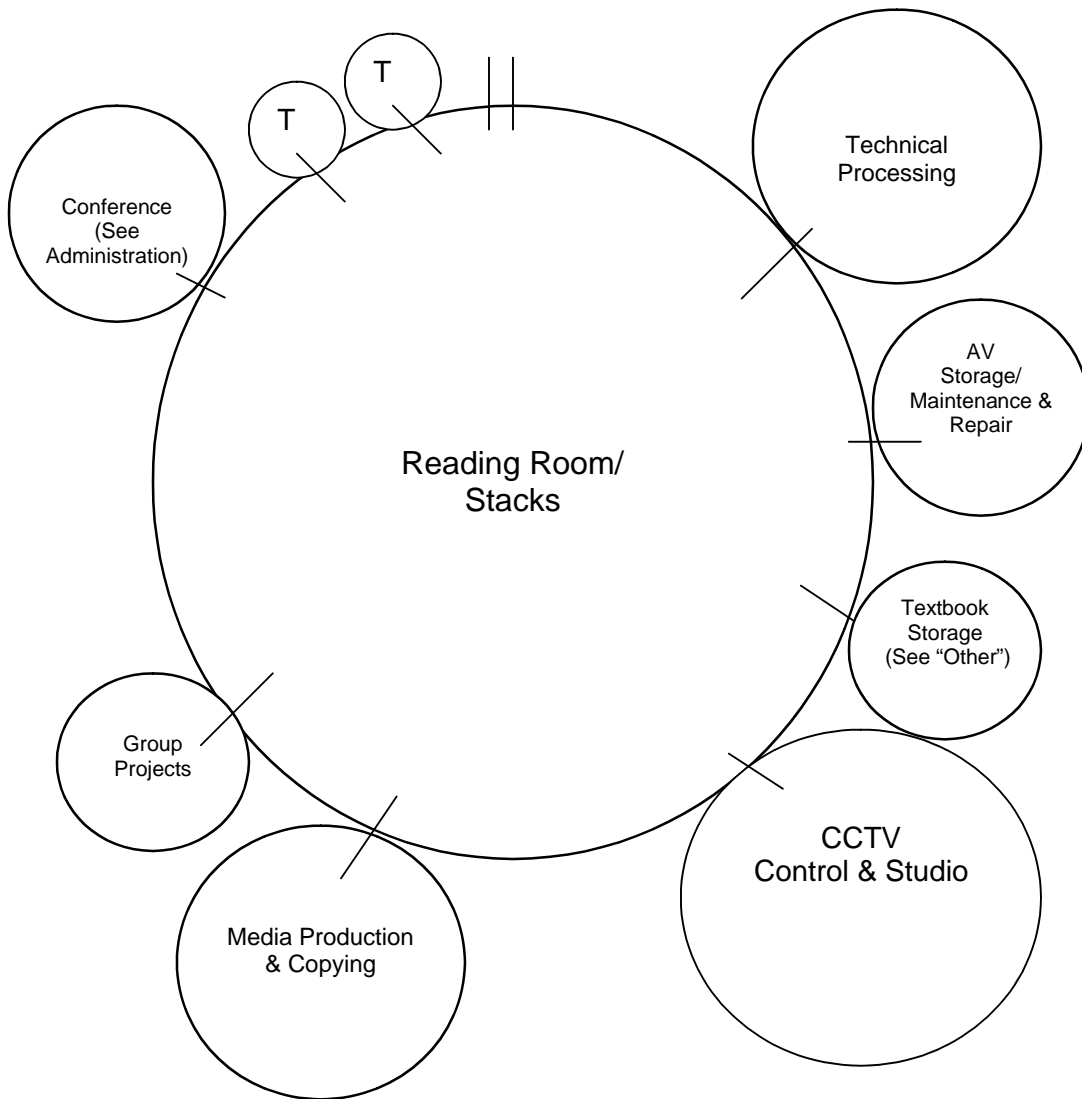
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- a. Provide storage cabinets with 5 adjustable shelves along two walls (6'h x 4'w x 13"d) in Media Production
 - b. Provide upper and lower cabinets with sink in Media Production.
 - c. Provide upper Cabinets, lower cabinets and drawers with sink in Media Production.
 - d. Provide island base cabinet with drawers for paper and electric in Media Production.
 - e. Provide compartment storage on base with adjustable shelves (12"x6"x17" each compartment) along one wall in AV Storage.
 - f. Provide work counter with drawers in AV Storage.
 - g. Provide open adjustable shelving on one wall of AV Storage
 - h. Provide maximum metal shelving with adjustable shelves on all walls. Provide free-standing shelving for center area, allowing for adequate passage & access.
 - i. Provide 28" base cabinet with doors and drawers in Group Projects. Base cabinets to provide bank of 3"h x 40"w drawers.
 - j. Provide Peg Board, 4'x5' in AV Storage
2. Instructional Aids
- a. Interactive board with projector
 - b. Marker board with map rails, 48"x48"
 - c. Tack board, 48" x 48"
 - d. Provide storage cubbies
 - e. Provide coat/backpack hooks

R. Other Considerations – N/A.

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V. SPATIAL RELATIONSHIPS



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ADMINISTRATION

I. OBJECTIVES/GOALS

Provide leadership for all activities so that maximum benefits in terms of student growth and development will result. Promote a school culture that will enhance good relations with students, parents, teachers and community. Administrative offices will be throughout the facility to enhance access, communications and supervision.

II. ACTIVITIES AND ENROLLMENT

The activities for the administration/student service area are: reception for students, public and staff; secretarial and bookkeeping duties; conferences; clinic; and storage.

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
1	300	PK - VE	PRINCIPAL/DIRECTOR OFFICE	250	250	0	0
16	301	PK - VE	ASSISTANT PRINCIPAL/OTHER OFFICE	175	2,800	0	0
3	302	PK - VE	BOOKKEEPING OFFICE	125	375	0	0
4	303	PK - VE	SECRETARIAL SPACE	158	632	0	0
1	304	PK - VE	RECEPTION AREA	2,057	2,057	121	0
1	305	PK - VE	PRODUCTION WORKROOM	968	968	121	0
1	306	PK - VE	CONFERENCE ROOM	1,694	1,694	121	0
1	307	PK - VE	CLINIC	726	726	121	0
1	308	PK - VE	ADMINISTRATIVE STORAGE	1,210	1,210	121	0
1	309	PK - VE	VAULT/STUDENT RECORDS	726	726	121	0
1	310	PK - VE	SCHOOL STORE	242	242	121	0
1	311	PK - VE	STUDENT ACTIVITIES	1,210	1,210	121	0
1	312	PK - VE	COMPUTER AREA	363	363	121	0
1	313	PK - VE	CAREERS ROOM	726	726	121	0
8	314	PK - VE	ITINERANT OFFICE	125	1,000	0	0
1	315	PK - VE	TEACHER PLANNING OFFICE	4,860	4,860	243	0
1	316	PK - VE	TEACHER LOUNGE/DINING	972	972	243	0

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Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
			SUBTOTAL	16,587	20,811	1,696	0

IV. SPECIAL CONSIDERATIONS

- A. **Heating/Cooling/Ventilation** – Standard. Each space, as per district policy, will be centrally controlled by an energy management system.
- B. **Acoustical** – Standard acoustical treatment will be provided throughout.
- C. **Floor** – Shall meet District Standards.
- D. **Walls** – Shall meet District Standards.
- E. **Ceiling** – The ceiling height will be a minimum of 9’ with acoustical tile panels.
- F. **Lighting** – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light.
- G. **Windows** – Standard. The windows will be operable to allow natural ventilation and/or when required by code.
- H. **Doors** – Standard. Exterior doors will be hollow metal with window(s). Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s).
- I. **Water/Plumbing Fixtures** – Standard. Provide hot water in clinic for sinks, washer & dryer. Provide water to refrigerator ice makers.
- J. **Communications** – Standard.
- K. **Electrical** - Provide outlets for computers, printers and other equipment.
- L. **Gas and Air** - N/A.
- M. **Safety** – N/A.
- N. **Fencing** – N/A.
- O. **Service Drives** – N/A.
- P. **Parking** – N/A.
- Q. **Built-ins**

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1. Counters and Cabinet/Shelving
 - a. Storage shelving shall be provided by School District.
 - b. Provide Upper and Lower Cabinets with sink in Work Room.
 - c. Provide Upper and Lower Cabinets with sink/eye wash in Clinic.
 - d. Provide Upper and Lower Cabinets with sink in Teacher's Lounge.
2. Instructional Aids
 - a. Interactive board with projector in conference room
 - b. Marker board with map rails, 48"x48" in conference room, principal secretary.
 - c. Tack board, 48" x 48" located in reception, Principal's office and Conference Room and outside Assistant Principal's Office.

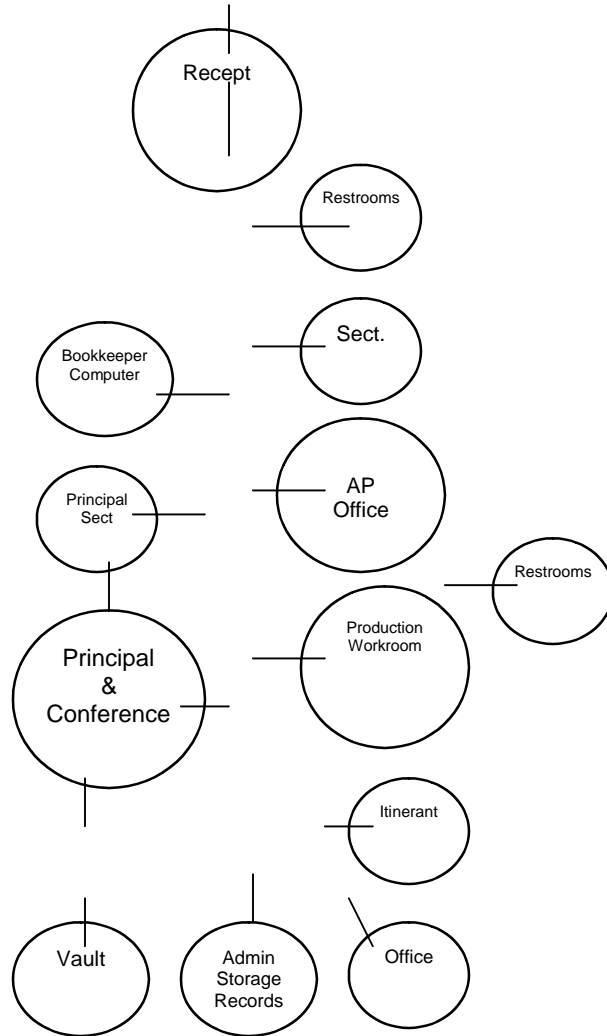
R. Other Considerations –

1. Locate Video Camera Monitoring Station in hallway of Administration – to be provided by School District per security system standards.

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V. SPATIAL RELATIONSHIPS

Administration

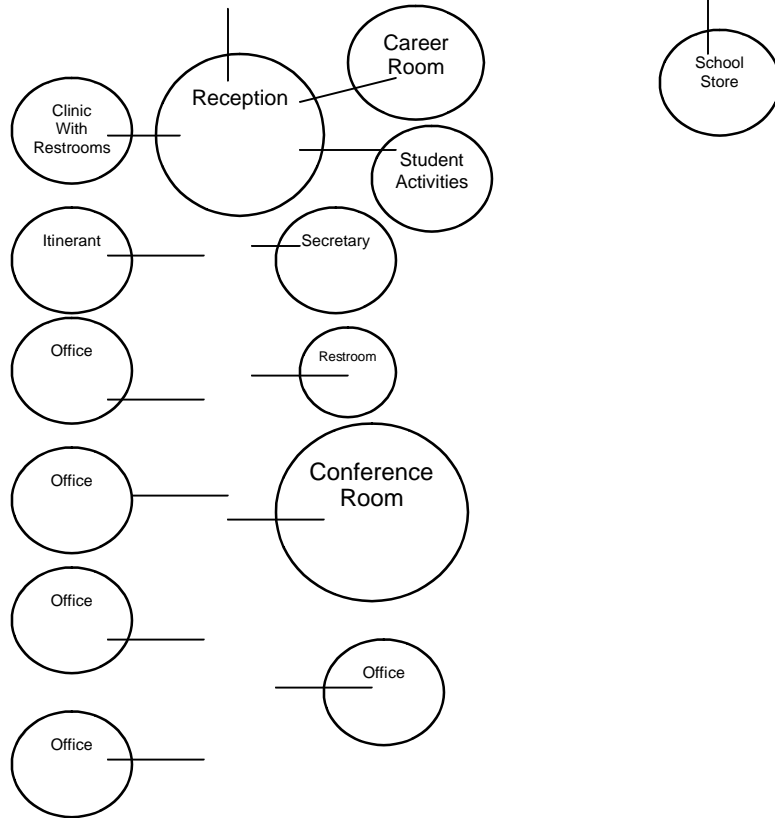


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Student Services



EDUCATIONAL SPECIFICATIONS

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FOOD SERVICE

I. OBJECTIVES/GOALS

The food service facilities shall be designed to meet the particular needs of the middle school student. It should extend to the student the opportunity to exercise some individuality in selecting from a variety of menu choices. Design considerations should allow for menu selections to be prepared and served in the most efficient manner possible. Dining facilities shall be so designed to offer maximum flexibility and utilization during the entire school day. The design of this facility shall also offer an atmosphere that the student will find both relaxing and functional.

II. ACTIVITIES AND ENROLLMENT

The activities for the food service area are: preparation of food, serving of food and dining.

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
1	340	PK - VE	DINING AREA	9,720	9,720	243	0
1	341	PK - VE	KITCHEN & SERVING AREA	10,692	10,692	243	0
1	349	PK - VE	KITCHEN CHAIR STORAGE	484	484	121	0
1	351	06 - 12	MIDDLE/SR HIGH COVERED PATIO	8,748	8,748	243	0
			SUBTOTAL	29,644	29,644	850	0

IV. SPECIAL CONSIDERATIONS

- A. Heating/Cooling/Ventilation – Standard. Each space, as per district policy, will be centrally controlled by an energy management system.
- B. Acoustical – Enhanced acoustical treatment will be provided throughout.
- C. Floor – Shall meet District Standards.
- D. Walls – Shall meet District Standards.
- E. Ceiling – The ceiling height will be a minimum of 9’ with acoustical tile panels.
- F. Lighting – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light.

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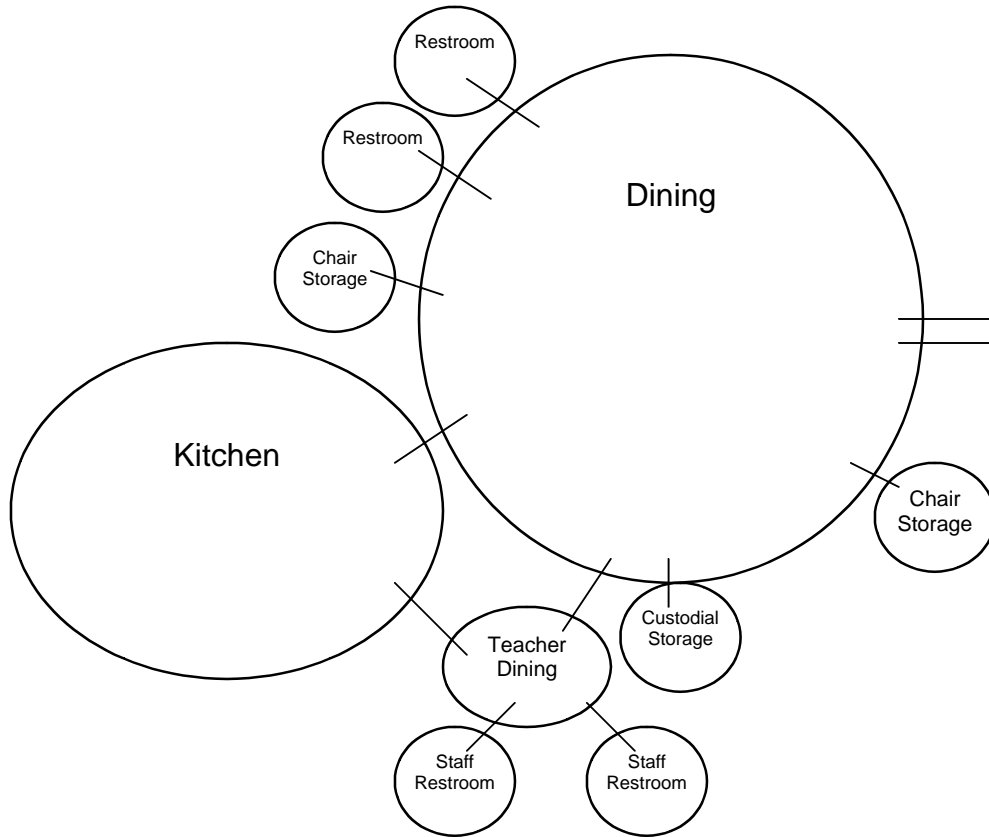
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- G. **Windows** – Standard. The windows will be operable to allow natural ventilation when required by code.
- H. **Doors** – Standard. Exterior doors will be hollow metal with peephole. Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s). Provide large doors for equipment.
- I. **Water/Plumbing Fixtures** – Standard.
- J. **Communications** – Standard.
- K. **Electrical** - Provide outlets for computers, printers and other equipment.
- L. **Gas and Air** - N/A.
- M. **Safety** – Provide safety systems and equipment as required.
- N. **Fencing** – N/A.
- O. **Service Drives** – Provide access to service drives for deliveries.
- P. **Parking** – N/A.
- Q. **Built-ins** - Office- built-in work counter/desk located so that cafeteria manager has view of deliveries as well as kitchen food preparation area. Coordinate lay-out with District.
- R. **Other Considerations** – Custodial storage from overall custodial allocations.

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V. SPATIAL RELATIONSHIPS



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AUDITORIUM/STAGE

I. OBJECTIVES/GOALS

The Auditorium/Stage area provides support of instructional programs, and to encourage out-of-class use of students and staff. New trends in teaching methods and new awareness of the school as a community center make stages essential auxiliary teaching and community activity spaces for the high school.

II. ACTIVITIES AND ENROLLMENT

The activities for the programs are presentations and large group assemblies for a variety of purposes - instruction, meetings, displays, etc. A facility for teaching, participation in, and appreciation of, the performing arts.

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
1	360	06 - VE	AUDITORIUM	7,290	7,290	243	0
1	363	PK - VE	STAGE	990	990	1	0
1	364	PK - VE	STAGE STORAGE	1,215	1,215	243	0
1	365	PK - VE	STAGE DRESSING ROOM (MALE)	605	605	121	0
1	366	PK - VE	STAGE DRESSING ROOM (FEMALE)	605	605	121	0
1	367	PK - VE	CONTROL BOOTH/PROJECTION ROOM	100	100	1	0
1	368	PK - VE	TEXTBOOK STORAGE	847	847	121	0
1	370	06 - VE	LOBBY	1,210	1,210		0
1	371	06 - VE	CONCESSIONS	200	200	1	0
1	372	06 - VE	TICKET BOOTH	30	30	1	0
			SUBTOTAL	13,092	13,092	853	0

IV. SPECIAL CONSIDERATIONS

- A. Heating/Cooling/Ventilation** – Standard, with consideration for reducing the affect on acoustics. Each space, as per district policy, will be centrally controlled by an energy management system.
- B. Acoustical** – Standard acoustical treatment will be provided throughout.
- C. Floor** – Standard.

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- D. **Walls** – Shall meet District Standards.
- E. **Ceiling** – Standard.
- F. **Lighting** – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light.
- G. **Windows** – Standard. The windows will be operable to allow natural ventilation and/or when required by code.
- H. **Doors** – Standard. Exterior doors will be hollow metal with window(s). Provide double doors or wide doors to the entrance of the stage and to the outside for movement of instruments and scenery. Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s).
- I. **Water/Plumbing Fixtures** – Standard.
- J. **Communications** – Standard.
- K. **Electrical** - Provide outlets for computers, printers and other equipment. Provide a data plug mid-stage.
- L. **Gas and Air** - N/A.
- M. **Safety** – Provide safety systems and equipment as required.
- N. **Fencing** – N/A.
- O. **Service Drives** – N/A.
- P. **Parking** – N/A.
- Q. **Built-ins** – N/A.
- R. **Other Considerations** - Attention must be paid to acoustics for the music performances and theatre performances (plays) in addition to other assemblies.

V. **SPATIAL RELATIONSHIPS**

Refer to Music Section for spatial relationships.

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CUSTODIAL

I. OBJECTIVES/GOALS

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

II. ACTIVITIES AND ENROLLMENT

The activities for the custodial staff are: prepare and maintain work schedules; maintain restrooms, water fountains, showers and sinks; maintain custodial equipment; and assure school grounds are kept free of litter and safety hazards.

III. PROGRAM SPACES

Nr Spaces	Design	Grades	Description	NSF / Space	Total NSF	Stns./ Space	Total Stns.
1	330	PK - VE	CUSTODIAL RECEIVING	3,645	3,645	243	0
1	333	PK - VE	FLAMMABLE STORAGE	155	155	0	0
1	334	PK - VE	CUSTODIAL EQUIPMENT STORAGE	500	500	0	0
			SUBTOTAL	4,300	4,300	243	0

IV. SPECIAL CONSIDERATIONS

- A. **Heating/Cooling/Ventilation** – Standard. Each space, as per district policy, will be centrally controlled by an energy management system.
- B. **Acoustical** – Standard acoustical treatment will be provided throughout.
- C. **Floor** – Standard.
- D. **Walls** – Shall meet District Standards.
- E. **Ceiling** – The ceiling height will be a minimum of 9' with acoustical tile panels.
- F. **Lighting** – Provide energy efficient fluorescent lighting with the capability of separate switching of rows of light.
- G. **Windows** – Standard. The windows will be operable to allow natural ventilation and/or when required by code.

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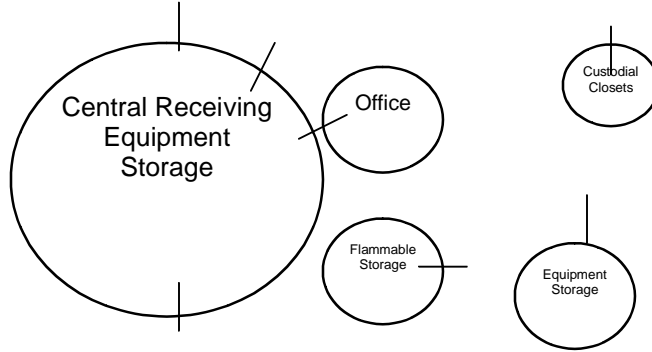
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- H. **Doors** – Standard. Exterior doors will be hollow metal with window(s). Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s). Provide large (4') door for equipment storage adjacent to dining.
- I. **Water/Plumbing Fixtures** – Standard. Provide an emergency eye wash station in Custodial Central Receiving.
- J. **Communications** – Standard.
- K. **Electrical** - Provide outlets for computers, printers and other equipment. Provide outlets on campus for recharge of golf carts.
- L. **Gas and Air** - N/A.
- M. **Safety** – Provide safety systems and equipment as required.
- N. **Fencing** – N/A.
- O. **Service Drives** – N/A.
- P. **Parking** – N/A.
- Q. **Built-ins**
 - 1. Provide Metal Work Bench (24"dx8'l) in Custodial Central Receiving.
 - 2. Provide (2) Metal shelf Units (24"dx36"wx72"h) each with 4 adjustable shelves and lockable doors in Custodial Central Receiving.
 - 3. Provide (4) Metal Shelf Units (24"dx36"wx72") each with first shelf at 24" AFF and remainder at 16" OC.
- R. **Other Considerations** – N/A.

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V. SPATIAL RELATIONSHIPS



The number and location of custodial closets per code.