

# **Educational Specifications**

## **Prototype Elementary School**

**draft**

**November 2009**

***Board Work Session Version***

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**EDUCATIONAL SPECIFICATIONS**  
**School Board of Sarasota County**  
**Prototype Elementary School**

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# EDUCATIONAL SPECIFICATIONS

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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 and adequate 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 not 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 original 2005 Educational Specifications were developed after several meetings with District Staff and school-based individuals. This version provides code updates and deletes specs that are too detailed for a generic document. The specifications will result in facilities that are functional, energy efficient, safe, technologically advanced and flexible in design.

This document provides a prototype for Sarasota County School's future elementary schools and a means to determine the extent to which existing elementary 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.

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.

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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 \(S.R.E.F.\)](#),
  - [Section 255.2575, F.S., 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 design principles include natural surveillance of school grounds, access control and territoriality. CPTED design 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 as directed per contract documents. See the District Standards for Safety and Security for details. [The central office must be easily identifiable from the community as the place to enter the school.](#)
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~~

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~~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. There shall be no exterior corridors along the exterior spaces of the facility; exterior corridors may be considered along interior spaces adjoining or overlooking any courtyard. Otherwise, double-loaded corridors shall be utilized.~~
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.
8. **Instructional Technology** – State of the art instructional technology, as well as networked informational and communication technology in all appropriate spaces, shall be ensured by the periodic submission of Technology Specifications into the Design Standards maintained by the Construction Services Department. ~~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. 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 comply with District Standards.

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- ~~3. **Walls** – Unless otherwise specified, walls shall comply with District Standards.~~
- ~~4. **Roof** – Unless otherwise specified, roofs shall comply with District Standards.~~
- ~~5. **Ceilings** – Ceiling heights and components shall comply with District Standards.~~
- ~~6. **Doors** – All doors shall comply with School District standards.~~
- ~~2. **Floors** – Floors shall have carpeting and VCT, unless otherwise specified. 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.~~
- ~~3. **Walls** – Group toilet rooms shall be ceramic tile from floor to ceiling. Service closets and individual toilet rooms shall have smooth impervious finish 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. Twenty-year no dollar limit warranty roof shall be provided. Use of rooftop equipment shall be limited.~~
- ~~5. **Ceilings** – Ceilings shall be 2' X 2' 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.~~
- ~~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 permanent instructional, support and ancillary spaces.
8. **Corridors and Student Commons** - Corridor width shall comply with code. Doorstops and holders shall be overhead or wall-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. There shall be a mix of individual facilities [primarily within individual or adjoining classrooms] and group facilities [primarily in the cafeteria and other areas where students typically

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~~congregate]. All fixtures shall comply with District Standards Soap dispensers shall be liquid type provided 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. **Tack** 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 meet Florida Building Code Chapter 11 requirements, and ~~shall always designate the Florida Inventory of School Houses (FISH) room number; the type of room shall always be designated for safety-related spaces [e.g., FACP, mechanical, etc.], but shall be modified so as to reduce student embarrassment [e.g., "Classroom" instead of "FT-ESE"]~~. 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 lighted trophy case shall be located in the entrance foyer.

#### 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. The Design Team shall provide various options by which the facility can meet applicable “green building” statutes and Board energy management policies. 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.
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 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. All components shall comply with district Design Standards. 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.

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5. **Telephones** – The telephone system will be designed in accordance with School District standards. Telephones shall be provided to all instructional and administrative areas. ~~shall be through a central office console and placement of active telephone stations will be determined by the principal or designee as per the current administrative guidelines of the district.~~
6. **Media Delivery-** Classrooms, instructional areas and other designated areas may 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/clock system that provides for two-way communications between the administration suite and all occupied spaces. All components shall comply with district Design Standards. ~~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** – All water outlets shall comply with District Standards. ~~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.

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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.~~

~~Electrical, conduit and cabling considerations should be made for installation of ceiling projectors. Electrical and cabling should be installed in the ceiling at a point that would allow a mounted ceiling projector to throw to a screen in front of the classroom. Conduit and cabling should be run from the same point to the place with instructional TV cable, network drops and electrical outlets for equipment. Computer quantities and configuration per School District standards. One wireless laptop cart with 15 computers shall be provided for every two classrooms~~

13. **Intrusion Detection system** – Provide intrusion detection system as directed by School District.
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** – Interior electrically-cooled water fountains shall be provided at convenient places, wall mounted out of the path of travel or recessed in walls; handicapped-accessible drinking fountains may be recessed. ~~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~~ synchronize clocks in all instructional, administrative, and common areas.

#### D. **SITE DEVELOPMENT**

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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. Visitor parking shall be provided near the entrance to the administrative suite. 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.

4. **Site Utilization** – Buildings, driveways, parking, covered play shelter, playgrounds & fields, and storm water management areas shall be designed so as to allow maximum use of the site.

Each school shall be provided one primary and one intermediate playground with age-appropriate equipment and ground covering per District Standard. A school with a Pre-K or specialized ESE program [e.g., autism; moderate mental handicap] shall be provided an additional playground with a poured ground covering or other per District Standard. Playfields shall consist of one open field, one baseball field with backstop, and up to three asphalt basketball courts; a soccer field shall be optional.

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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** - Any irrigation systems shall comply with District Standards, including the latest “green” standards. ~~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 sidewalks. 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. Stairwells should be open to maximize student supervision.

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

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Visitor parking shall be provided near the entrance to the front office. Parking lots should have more than one access. Parking lots shall have good natural surveillance following CPTED principles.

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 per NFPA 1, Ch. 18.

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 play fields. 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. Any courtyard egress shall be done using ornamental gating with doors located in thoroughfare between visitor parking and the reception area. 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. The exterior area entry points shall not have any maze type of entry.

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.

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Landscaping shall include plantings meeting CPTED Principles. 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.

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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 any 24 hour video surveillance cameras. Video surveillance cameras and equipment shall be the appropriate amount for the site and placed to provide the best coverage of the campus.

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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.

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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** — 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. **Buffers**- Buffers shall be provided between the school and neighboring areas.
13. **Future Expansion**- Provide stubbed out services at the edge of area planned for future portable classrooms.
14. **Gates** -Driveways (entrance/exit) should have lockable gates.

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#### FACILITY LIST

<b>District:</b>		<b>Sarasota</b>		<b>Total Stations</b>		<b>1,028</b>	<b>Gross Sq Ft:</b>	<b>135,653</b>
<b>Level:</b>		<b>Elementary K-5</b>		<b>Student Capacity</b>		<b>1,028</b>	<b>Utilization:</b>	<b>100%</b>
<b>25</b>		<b>Acres Recommended</b>		<b>NET SQUARE FEET</b>		<b>DESIGN</b>	<b>TOTAL</b>	
<b>NO.</b>	<b>FISH</b>					<b>CAPACITY</b>	<b>STATIONS</b>	
<b>SPACES</b>	<b>CODE</b>		<b>DESCRIPTION</b>	<b>UNIT</b>	<b>TOTAL</b>	<b>PER UNIT</b>	<b>UTILIZED</b>	
			<b>GRAND TOTALS</b>		<b>100,767</b>		<b>1,028</b>	
			<b>STANDARD CLASSROOMS</b>					
<b>9</b>	001	PK-3	Kindergarten Classroom	940	8,460	18	162	
	814		Toilet, Student	45	405			
			Subtotal	985	8,865			
<b>27</b>	001	PK-3	Primary Classroom	910	24,570	18	486	
	814		Toilet, Student	45	1,215			
			Subtotal	955	25,785			
<b>14</b>	002	4-6	Intermediate/Middle Classroom	910	12,740	22	308	
	815		Toilet, Student-Male	45	315			
	816		Toilet, Student-Female	45	315			
			Subtotal	1,000	13,370			
			<b>MUSIC</b>					
1	055	P-6	Elementary Music	1,500	1,500	22		
	806		Reference	60	60			
	808		Storage, Material	155	155			
	831		Practice, Music	70	70			
1	814		Toilet, Student	45	45			
			Subtotal	1,830	1,830			
			<b>ART</b>					
1	050	P-6	Elementary Art	1,110	1,110	1		
	805		Kiln	60	60			
	808		Storage, Material/Proj	305	305			
1	814		Toilet, Student	45	45			
			Subtotal	1,520	1,520			
			<b>SKILLS DEVELOPMENT LAB</b>					
3	010	PK-3	Primary-Skills Labs	996	2,988	18	0	
4	814		Toilet, Student	45	180			
			Subtotal	1,041	3,168			

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<b>NO.</b>	<b>FISH</b>					<b>CAPACITY</b>	<b>STATIONS</b>	
<b>SPACES</b>	<b>CODE</b>		<b>DESCRIPTION</b>	<b>UNIT</b>	<b>TOTAL</b>	<b>PER UNIT</b>	<b>UTILIZED</b>	
			<b>SCIENCE</b>					
1	021	4-8	Intermed/Mid Sci Lab	1,122	1,122	22	22	
	808		Storage, Material	100	100			
	812		Storage, Project	150	150			
			Subtotal	1,372	1,372			
			<b>PHYSICAL EDUCATION</b>					
1	013	P-6	P. E. Storage	315	315			
1	014	P-6	Covered Play Area	3,701	3,701			
1	315	N-PS	Teacher Planning Area	120	120			
2	814		Toilet, Student	45	90			
			Subtotal	4,181	4,226			
			<b>RESOURCE - REGULAR</b>					
6	040	P-6	Resource Room	535	3,210	15	0	
	814		Toilet, Student	45	135			
			Subtotal	580	3,345			
			<b>EXCEPTIONAL EDUCATION</b>					
2	061	PK-12	ESE Part-time	940	1,880	15	30	
	814		Toilet, Student	45	90			
			Subtotal	985	1,970			
2	062	PK-12	ESE Full-time	940	1,880	10	20	
	814		Toilet, Student	45	90			
			Subtotal	985	1,970			
1	064	N-PK	ESE PT/OT	615	615	5	0	
	817		RR and Bath, Student	110	110			
			Subtotal	725	725			
2	065	PK-12	ESE Resource Room	520	1,040	4	0	
	814		Toilet, Student	45	90			
			Subtotal	565	1,130			
			<b>MEDIA CENTER</b>					
1	380	P-PS	Reading Room/Stacks	3,804	3,804			
	382	P-PS	Prod.Professional Lib.	411	411			
	383/391	P-PS	A-V Storage/Repair	720	720			
	385/386	P-PS	C.C.Television/Storage	1,000	1,000			
	387/388	P-PS	Media Production/Copying	720	720			

**EDUCATIONAL SPECIFICATIONS**  
**School Board of Sarasota County**  
**Prototype Elementary School**

<b>District:</b>		<b>Sarasota</b>		<b>Total Stations</b>		<b>1,028</b>	<b>Gross Sq Ft:</b>	<b>135,653</b>
<b>Level:</b>	<b>Elementary K-5</b>			<b>Student Capacity</b>		<b>1,028</b>	<b>Utilization:</b>	<b>100%</b>
<b>25</b>	<b>Acres Recommended</b>			<b>NET SQUARE FEET</b>		<b>DESIGN</b>	<b>TOTAL</b>	
<b>NO.</b>	<b>FISH</b>					<b>CAPACITY</b>	<b>STATIONS</b>	
<b>SPACES</b>	<b>CODE</b>		<b>DESCRIPTION</b>	<b>UNIT</b>	<b>TOTAL</b>	<b>PER UNIT</b>	<b>UTILIZED</b>	
	390	P-PS	Group Projects	514	514			
2	815/816		Toilets, Male, Female	45	90			
			Subtotal	7,214	7,259			
			<b>ADMINISTRATION</b>					
1	300/306	N-PS	Principal's/Dir Office	400	400			
5	301	N-PS	Asst Prin/Other Office	175	875			
2	302	N-PS	Bookkeeping Office	125	250			
3	303	N-PS	Secretarial Space	158	474			
	304	N-PS	Admin. Reception	874	874			
	305	N-PS	Production/Workroom	411	411			
	306	N-PS	Conference Rooms	720	720			
	307	N-PS	Clinic	308	308			
	308	N-PS	Admin. Storage	514	514			
	309	N-PS	Records/Vault	308	308			
	311	N-PS	Student Activities Area	514	514			
	313	N-PS	Careers Room	308	308			
2	314	N-PS	Itinerant Office	125	250			
	315	N-PS	Teacher Planning Area	120	120			
	316	N-PS	Teacher Lounge/Dining	411	411			
	819-821??	P-PS	Toilets, Staff (M & F)	411	411			
			Subtotal	5,882	7,148			
			<b>FOOD SERVICE</b>					
1	340	N-PS	Dining	4,112	4,112			
	341	N-PS	Kitchen	4,523	4,523			
	349	N-PS	Chair Storage	206	206			
			Subtotal	8,841	8,841			
			<b>STAGE</b>					
1	363	N-PS	Stage	990	990			
	364	N-PS	Storage	514	514			
			Subtotal	1,504	1,504			
			<b>MULTIPURPOSE</b>					
1	361	N-PS	Multipurpose Room	3,187	3,187			
	362	N-PS	Chair Storage	206	206			
			Subtotal	3,393	3,393			
			<b>OTHER SPACES</b>					
1	368	N-PS	Textbook Storage	360	360			

# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

<b>District:</b>		<b>Sarasota</b>		<b>Total Stations</b>		<b>1,028</b>	<b>Gross Sq Ft:</b>	<b>135,653</b>
<b>Level:</b>	<b>Elementary K-5</b>			<b>Student Capacity</b>		<b>1,028</b>	<b>Utilization:</b>	<b>100%</b>
<b>25</b>	<b>Acres Recommended</b>			<b>NET SQUARE FEET</b>		<b>DESIGN</b>	<b>TOTAL</b>	
<b>NO.</b>	<b>FISH</b>					<b>CAPACITY</b>	<b>STATIONS</b>	
<b>SPACES</b>	<b>CODE</b>		<b>DESCRIPTION</b>	<b>UNIT</b>	<b>TOTAL</b>	<b>PER UNIT</b>	<b>UTILIZED</b>	
	815/816		Student Toilet	300	600			
	822/823		Public Toilets	300	600			
			Subtotal	960	1,560			
			<b>CUSTODIAL</b>					
<b>1</b>	330	N-PS	Custodial Receiving	1,131	1,131			
	333	N-PS	Flammable Storage	155	155			
	334	N-PS	Equipment Storage	500	500			

# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

#### KINDERGARTEN CLASSROOMS

##### I. OBJECTIVES/GOALS

The elementary experience will provide diverse opportunities in a structured learning environment. The goals of the elementary program is the development of fundamental thinking process; development of linguistic perception and application; introduction of problem-solving and decision making; enhancement of creativity; social and emotional development; and physical development.

##### 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, which will be physically, mentally and socially conducive to learning.

Teacher-Student Ratio: **1:18**

Grade level for which program is intended: **Kindergarten**

Combine Student Storage into Classroom to create a larger Classroom. Combine Material Storage and Teacher Planning to create a shared space between two classrooms.

##### III. PROGRAM SPACES

				NET SQUARE FEET		DESIGN	TOTAL
NO.	FISH					CAPACITY	STATIONS
SPACES	CODE		DESCRIPTION	UNIT	TOTAL	PER UNIT	UTILIZED
9	001	K	Kindergarten Classroom	940	8,460	18	162
	814		Toilet, Student	45	405		
			Subtotal	985	8,865		

##### 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. Provide carpeting in Classroom except for “wet area” around sink. The “wet area” shall have resilient flooring.~~

# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

- 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 three-way 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 sink with gooseneck faucet and bubbler in the cabinetry in the classroom. Locate faucet to the middle or rear of the sink as to minimize splashing. This sink along with sink in toilet shall have cold water only.
- 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"x24" cabinetry with sink and bubbler; and upper cabinets with marker board-surfaced doors
    - d. 5-drawer paper storage unit
  - 2. Instructional Aids
    - a. AV Screen

# EDUCATIONAL SPECIFICATIONS

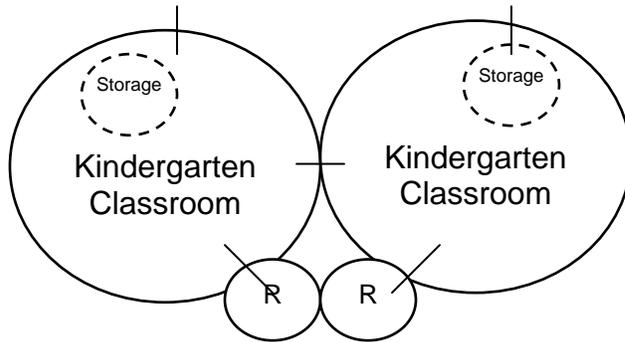
## School Board of Sarasota County

### Prototype Elementary School

- b. Marker board with map rails, 16' x 48"
- c. Tack board, 48" x 48" (2)
- d. Provide storage cubbies (21)
- e. Provide coat/backpack hooks (21).
- f. 4'x4' tack board to be provided in corridor outside each classroom.

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

#### V. SPATIAL RELATIONSHIPS



# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County Prototype Elementary School

### PRIMARY CLASSROOMS

#### I. OBJECTIVES/GOALS

The elementary experience will provide diverse opportunities in a structured learning environment. The goals of the elementary program are: development of fundamental thinking process; development of linguistic perception and application; introduction of problem-solving and decision making; enhancement of creativity; social and emotional development; and physical development.

#### 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: **1:18**

Grade level for which program is intended: **1-3**

#### III. PROGRAM SPACES

				NET SQUARE FEET		DESIGN	TOTAL
NO.	FISH					CAPACITY	STATIONS
SPACES	CODE		DESCRIPTION	UNIT	TOTAL	PER UNIT	UTILIZED
27	002	1-3	Primary Classroom	910	24,570	18	486
	814		Toilet, Student	45	1,215		
			Subtotal	955	25,785		

#### 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. ~~Provide carpeting in Classroom except for “wet area” around sink. The “wet area” shall have resilient flooring.~~
- 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 Elementary School

- F. **Lighting** – Provide energy efficient fluorescent lighting with three-way 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 sink with gooseneck faucet and bubbler in the cabinetry in the classroom. Locate faucet to the middle or rear of the sink as to minimize splashing. This sink along with sink in toilet shall have cold water only.
- 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"x24" cabinetry with sink and bubbler; and upper cabinets with marker board-surfaced doors
    - d. 5-drawer paper storage unit
  - 2. Instructional Aids
    - a. AV Screen
    - b. Marker board with map rails, 48"x48" (4)
    - c. Tack board, 48" x 48" (3)
    - d. Provide storage cubbies (24)
    - e. Provide coat/backpack hooks (24).

# EDUCATIONAL SPECIFICATIONS

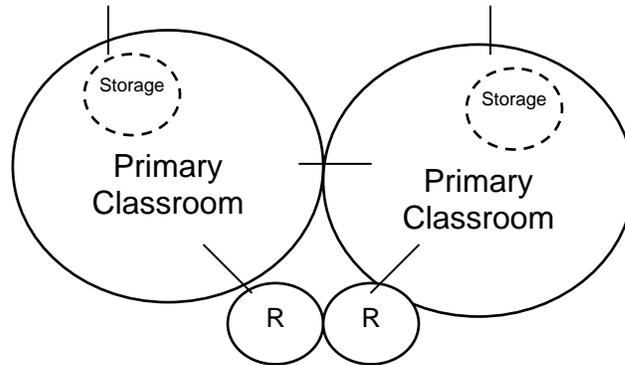
## School Board of Sarasota County

### Prototype Elementary School

f. 4'x4' tack board to be provided in corridor outside each classroom.

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

#### V. **SPATIAL RELATIONSHIPS**



R – Restroom

Not all classrooms are shown

# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

#### INTERMEDIATE CLASSROOMS

#### **I. OBJECTIVES/GOALS**

The elementary experience will provide diverse opportunities in a structured learning environment. The goals of the elementary program are: development of fundamental thinking process; development of linguistic perception and application; introduction of problem-solving and decision making; enhancement of creativity; social and emotional development; and physical development.

#### **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: **1:22**

Grade level for which program is intended: **4-5**

#### **III. PROGRAM SPACES**

				NET SQUARE FEET		DESIGN	TOTAL
NO.	FISH					CAPACITY	STATIONS
SPACES	CODE		DESCRIPTION	UNIT	TOTAL	PER UNIT	UTILIZED
14	003	4-6	Intermediate Classroom	910	12,740	22	308
14	815-816		Toilet, Student	45	630		
			Subtotal	955	13,370		

#### **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.** ~~Provide carpeting in Classroom except for “wet area” around sink. The “wet area” shall have resilient flooring.~~
- 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 Elementary School

- F. **Lighting** – Provide energy efficient fluorescent lighting with three-way 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 sink with gooseneck faucet and bubbler in the cabinetry in the classroom. Locate faucet to the middle or rear of the sink as to minimize splashing. This sink along with sink in toilet shall have cold water only.
- 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"x24" cabinetry with sink and bubbler; and upper cabinets with marker board-surfaced doors
    - d. 5-drawer paper storage unit
  2. Instructional Aids
    - a. AV Screen
    - b. Marker board with map rails, 48"x48" (4) (one with grid)
    - c. Tack board, 48" x 48" (3)
    - d. Provide storage cubbies (24)

# EDUCATIONAL SPECIFICATIONS

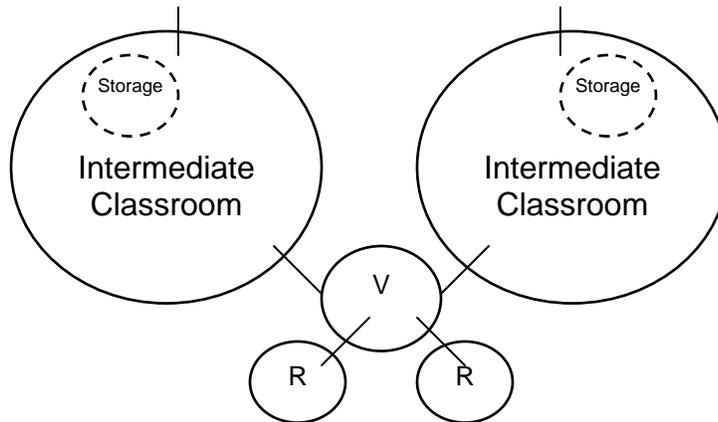
## School Board of Sarasota County

### Prototype Elementary School

- e. Provide coat/backpack hooks (24).
- f. 4'x4' tack board to be provided in corridor outside each classroom.

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

#### V. SPATIAL RELATIONSHIPS



# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

## MUSIC

### I. OBJECTIVES/GOALS

The elementary music program shall provide opportunities to develop skills and awareness in the visual and performing arts.

### II. ACTIVITIES AND ENROLLMENT

The music curriculum will provide many different types of musical activities such as singing, dancing and playing of instruments.

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

Grade level for which program is intended: **K-5**

### III. PROGRAM SPACES

				NET SQUARE FEET		DESIGN	TOTAL
NO.	FISH					CAPACITY	STATIONS
SPACES	CODE		DESCRIPTION	UNIT	TOTAL	PER UNIT	UTILIZED
			<b>MUSIC</b>				
1	055	P-6	Elementary Music	1,500	1,500	28	
	806		Reference	60	60		
	808		Storage, Material	155	155		
	831		Practice, Music	70	70		
	814		Toilet, Student	45	45		
			Subtotal	1,830	1,830		

### 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** - 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. Refer to District Standards.
- C. **Floor** – Shall meet District Standards. ~~Provide carpeting in Classroom except for “wet area” around sink. The “wet area” shall have resilient flooring.~~
- D. **Walls** - Shall meet District Standards.

# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

- E. **Ceiling** – The ceiling height will be a minimum of 11” with acoustical tile panels.
- F. **Lighting** – Provide energy efficient fluorescent lighting with three-way 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** – 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). Music storage room shall be lockable.
- I. **Water/Plumbing Fixtures** - Provide sink with gooseneck faucet and bubbler in the cabinetry in the classroom. This sink along with sink in toilet shall have cold water only.
- 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**~~
- 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”x24” cabinetry with sink and bubbler; and upper cabinets with marker board-surfaced doors
  - 2. Instructional Aids
    - a. AV Screen
    - b. Marker board with map rails, 48”x48” (4)
    - c. Tack board, 48” x 48” (3)
    - d. Provide storage cubbies (24)

# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

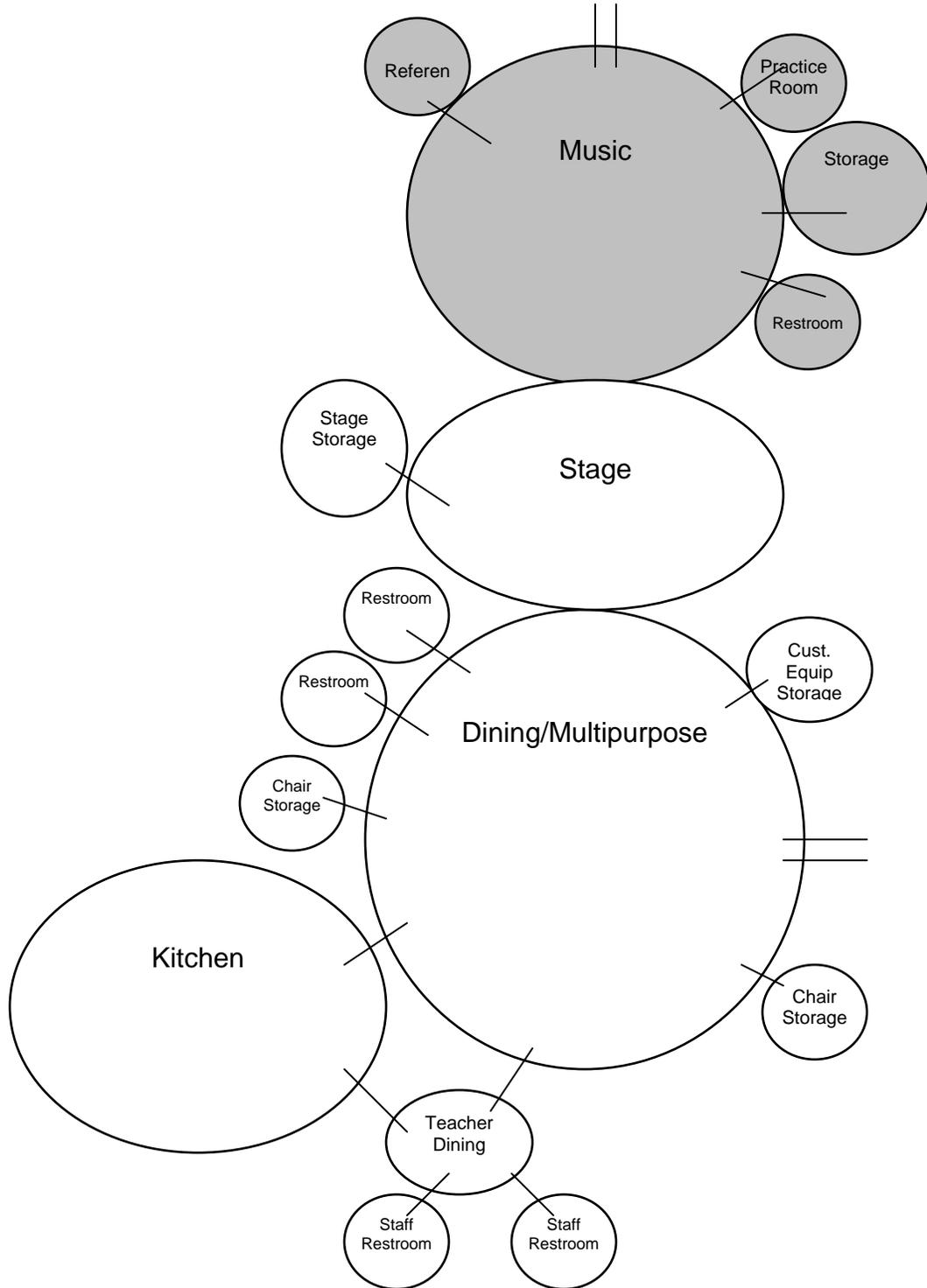
### Prototype Elementary School

- e. Provide coat/backpack hooks (24)
- f. Marker Board, 8'x5' Music Staff with 4' tack board above
- g. 4'x4' tack board to be provided in corridor outside each classroom.

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

EDUCATIONAL SPECIFICATIONS  
School Board of Sarasota County  
Prototype Elementary School

V. SPATIAL RELATIONSHIPS



# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

#### ART

#### **I. OBJECTIVES/GOALS**

The elementary art program shall provide opportunities to develop skills and awareness in the visual and performing arts.

#### **II. ACTIVITIES AND ENROLLMENT**

The art curriculum will provide many different types of activities such as drawing, painting, mixed media, construction, clay, printmaking and art appreciation.

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

Grade level for which program is intended: **K-5**

#### **III. PROGRAM SPACES**

				NET SQUARE FEET		DESIGN	TOTAL
NO.	FISH					CAPACITY	STATIONS
SPACES	CODE		DESCRIPTION	UNIT	TOTAL	PER UNIT	UTILIZED
			ART				
1	050	P-6	Elementary Art	1,110	1,110	28	
	805		Kiln	60	60		
	808/812		Storage, Material & Project	305	305		
	814		Restroom	45	45		
			Subtotal	1,520	1,520		

#### **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** – Provide resilient flooring. Shall meet District Standards.
- 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 Elementary School

- E. **Ceiling** – The ceiling height will be a minimum of 9” with acoustical tile panels.
- F. **Lighting** – Provide energy efficient fluorescent lighting with three-way 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.
- 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 four deep art sinks with clay traps and with gooseneck faucets and bubblers in the cabinetry in the classroom. Faucet shall be located to the rear of the sink to avoid splashing. This sink along with sink in toilet shall have cold water only. Locate a hose bibb at the art patio.
- 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. Provide base cabinets with double compartment sink in the classroom.
    - b. Provide base cabinet with art sink in classroom.
    - c. Provide cabinets with fully vented doors and 15 adjustable shelves in the classroom.

# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

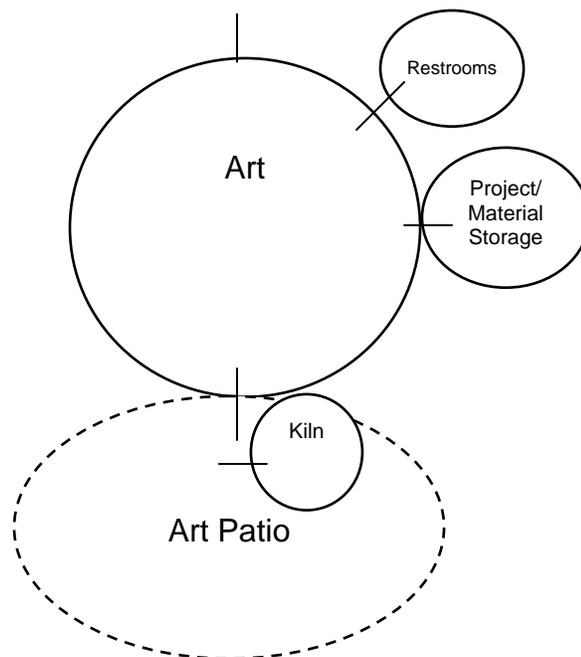
### Prototype Elementary School

- d. Provide upper and lower cabinets (uppers with marker board-surfaced doors) 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.
  - f. Provide metal shelving in Kiln room.
  - g. Provide 2 5-drawer paper storage units.
2. Instructional Aids
    - a. AV Screen
    - b. Marker board with map rails, 48"x48" (4)
    - c. Tack board, 48" x 48" (3)
    - d. Provide storage cubbies (24)
    - e. Provide coat/backpack hooks (24)
    - f. Provide floor to ceiling tack board in classroom.
    - g. Place 4'x4' tack board(s) in the hallway outside classroom.

#### R. Other Considerations –

1. Provide pre-cast concrete benches at the outside art patio.
2. Design of classroom shall allow for a space to "park" rolling backpacks, book cases, and/or wireless laptop carts where appropriate.
3. Provide an outside enclosure for the kiln on the art patio.
4. Partially cover art patio to offer protection traveling from art room door to kiln.
5. Provide level threshold at art patio door to ensure smooth rolling of ceramics cart.

#### V. SPATIAL RELATIONSHIPS



# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

#### SKILLS DEVELOPMENT/SCIENCE LABORATORY

##### I. OBJECTIVES/GOALS

The elementary experience will provide diverse opportunities in a structured learning environment. The goals of the elementary program are: development of fundamental thinking process; development of linguistic perception and application; introduction of problem-solving and decision making; enhancement of creativity; social and emotional development; and physical development.

##### 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 children to develop skills in critical thinking, deductive and inductive reasoning, and in problem solving. One Skills Lab shall be equipped for Science, ~~and three as computer labs.~~ A District Standard shall determine the number of assessment labs and their wired or wireless status. Skills Development labs shall be used for the above activities and experiences when not needed for local or state assessments.

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

Grade level for which program is intended: **K-5**

##### III. PROGRAM SPACES

				NET SQUARE FEET		DESIGN	TOTAL
NO.	FISH					CAPACITY	STATIONS
SPACES	CODE		DESCRIPTION	UNIT	TOTAL	PER UNIT	UTILIZED
			<b>SKILLS DEVELOPMENT LAB</b>				
3	010	P-6	Skills Labs/Classrooms	996	2,688	18	0
4	814		Toilet, Student	45	180		
			Subtotal	1,041	2,868		
1	021	4-8	Intermed/Mid Sci Lab	1,122	1,122	22	22
			Storage, Material	100	100		
			Storage, Project	150	150		
			Subtotal	1,372	1,372		

##### 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.

# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

- B. **Acoustical** – Standard acoustical treatment will be provided throughout.
- C. **Floor** – Provide resilient flooring. 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 three-way 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** – 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 sink with gooseneck faucet and bubbler in the cabinetry in the classroom. Locate faucet to the middle or rear of the sink as to minimize splashing. This sink along with sink in toilet shall have cold water only. Eye wash unit (Science only) to attach to faucet.
- J. **Communications** – Shall meet District Standards.
- K. **Electrical** – Shall meet District Standards. Provide outlets for computers, printers and other equipment. Provide retractable ceiling drops for microscopes.
- L. **Gas and Air** - N/A
- M. **Safety** – Shall meet District Standards. Provide Fire Blanket and Fire Extinguisher for Science Skills.
- N. ~~**Fencing** – N/A.~~
- O. ~~**Service Drives** – N/A.~~
- P. ~~**Parking** – N/A.~~
- Q. **Built-ins** –
  - 1. Counters and Cabinet/Shelving

# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

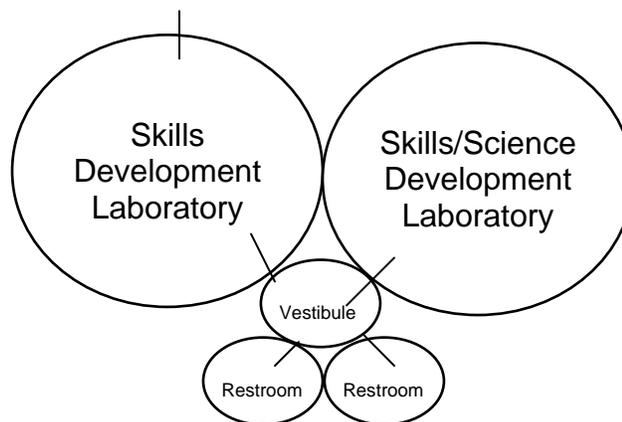
- a. Science- Provide base and upper cabinets with one sink at 2'-1" AFF and one sink at 2'-6" AFF with doors and drawers on both. Provide space for standard refrigerator.
- b. Provide countertop for ten notebook computers with power and data above counter.
- c. Computers- Bookcase with adjustable shelving, 48"x12"x72"  
Storage Cabinet, 48"x30"x72"  
Provide 90"x24" cabinetry with sink and bubbler;  
and upper cabinets with marker board-surfaced doors

#### 2. Instructional Aids

- a. AV Screen
- b. Marker board with map rails, 48"x48" (4)
- c. Tack board, 48" x 48" (3)
- d. Provide storage cubbies (24)
- e. Provide coat/backpack hooks (24)
- f. Place 4'x4' tack board(s) in the hallway outside classroom.

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

## V. SPATIAL RELATIONSHIPS



# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary 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.

##### 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: **K-5**

Restrooms have been added to Covered Play Area **to increase time on task** for flexibility purposes and to enhance supervision of students.

##### III. PROGRAM SPACES

				NET SQUARE FEET		DESIGN	TOTAL
NO.	FISH					CAPACITY	STATIONS
SPACES	CODE		DESCRIPTION	UNIT		PER UNIT	UTILIZED
			<b>PHYSICAL EDUCATION</b>				
<b>1</b>	013	P-6	P. E. Storage	315		315	
	014	P-6	Covered Play Area	3,701		3,701	
	815-816		Toilet, Student	45		90	
	315		Teacher Planning	120		120	
			Subtotal	4,181		4,226	

##### 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** – NA
- C. **Floor** – The Covered Play Area shall be sealed concrete.
- D. **Walls** – Shall meet District Standards.
- E. **Ceiling** – Shall meet District Standards.
- F. **Lighting** – Shall meet District Standards.

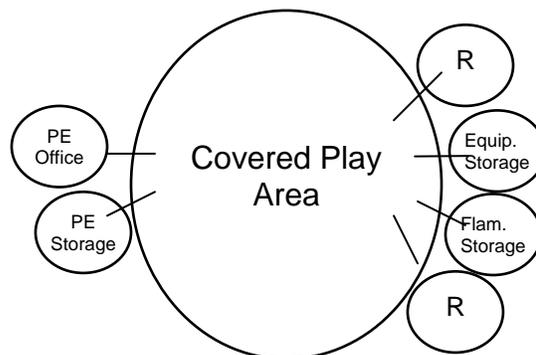
# EDUCATIONAL SPECIFICATIONS

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- G. **Windows** – Shall meet District Standards.
- H. **Doors** – Shall meet District Standards.
- I. **Water/Plumbing Fixtures** – Shall meet District Standards. Bubbler, hose bibb.
- J. **Communications** - Shall meet District Standards. P/A system/intercom speakers, call button in PE office.
- K. **Electrical** - Shall meet District Standards, including outlets in covered play area.
- ~~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** – N/A.~~
- R. **Other Considerations** –
  - 1. Provide outdoor basketball equipment, including post, backboard, rim and net.
  - 2. Playground equipment and fields shall be provided by School District.

#### V. **SPATIAL RELATIONSHIPS**



# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

#### RESOURCE ROOMS

##### 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: **1:15**

Grade level for which program is intended: **K-5**

##### III. PROGRAM SPACES

				NET SQUARE FEET		DESIGN	TOTAL
NO.	FISH					CAPACITY	STATIONS
SPACES	CODE		DESCRIPTION	UNIT	TOTAL	PER UNIT	UTILIZED
			<b>RESOURCE - REGULAR</b>				
6	040	P-6	Resource Room	535	3,210	15	
3	814		Toilet, Student	45	135		
			Subtotal	580	3,345		

##### 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** – Provide carpeting in Classroom except for “wet area” around sink. The “wet area” shall have resilient flooring. **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 three-way 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

# EDUCATIONAL SPECIFICATIONS

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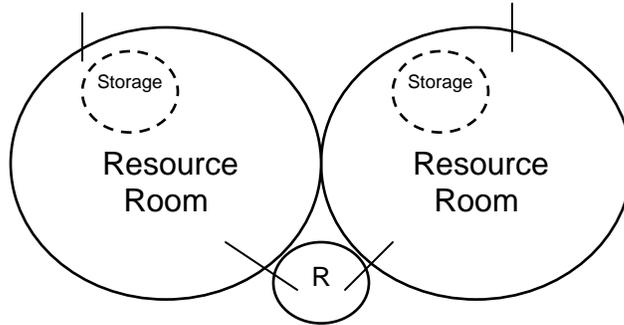
### Prototype Elementary School

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** – 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"x24" cabinetry with sink and bubbler; and upper cabinets with marker board-surfaced doors
  - 2. Instructional Aids
    - a. AV Screen
    - b. Marker board with map rails, 48"x48" (2)
    - c. Tack board, 48" x 48" (3)
    - d. Provide storage cubbies (18)
    - e. Provide coat/backpack hooks (18).
    - f. 4'x4' tack board to be provided in corridor outside each classroom.
- R. **Other Considerations** - N/A

EDUCATIONAL SPECIFICATIONS  
School Board of Sarasota County  
Prototype Elementary School

V. SPATIAL RELATIONSHIPS



R – Restroom

Not all classrooms are shown

# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

#### EXCEPTIONAL STUDENT EDUCATION

#### **I. OBJECTIVES/GOALS**

Students with special learning differences 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. One ESE Resource room shall be equipped for OT/PT.

Teacher-Student Ratio: **Varies**

Grade level for which program is intended: **K-5**

#### **III. PROGRAM SPACES**

				NET SQUARE FEET		DESIGN	TOTAL
NO.	FISH					CAPACITY	STATIONS
SPACES	CODE		DESCRIPTION	UNIT	TOTAL	PER UNIT	UTILIZED
			<b>EXCEPTIONAL EDUCATION</b>				
2	061	N-12	ESE Part-time	940	1,880	14	28
	814		Toilet, Student	45	90		
			Subtotal	985	1,970		
2	062	N-12	ESE Full-time	940	1,880	9	18
	814		Toilet, Student	45	90		
			Subtotal	985	1,970		
2	064		ESE Resource	520	1,040		
	809		Toilet, Student	45	45		
			Subtotal	565	1,085		
1	064	N-PK	ESE PT/OT	615	615	5	0
	817		RR and Bath, Student	110	110		
			Subtotal	725	725		

#### **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** – Provide carpeting in Classroom except for “wet area” around sink. The “wet area” shall have resilient flooring. **Shall meet District Standards.**

# EDUCATIONAL SPECIFICATIONS

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- 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 three-way 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** – 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 sink with gooseneck faucet and bubbler in the cabinetry in the classroom. This sink along with sink in toilet shall have cold water only.
- 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"x24" cabinetry with sink and bubbler; and upper cabinets with marker board-surfaced doors
  - 2. Instructional Aids
    - a. AV Screen
    - b. Marker board with map rails, 48"x48" (4)

# EDUCATIONAL SPECIFICATIONS

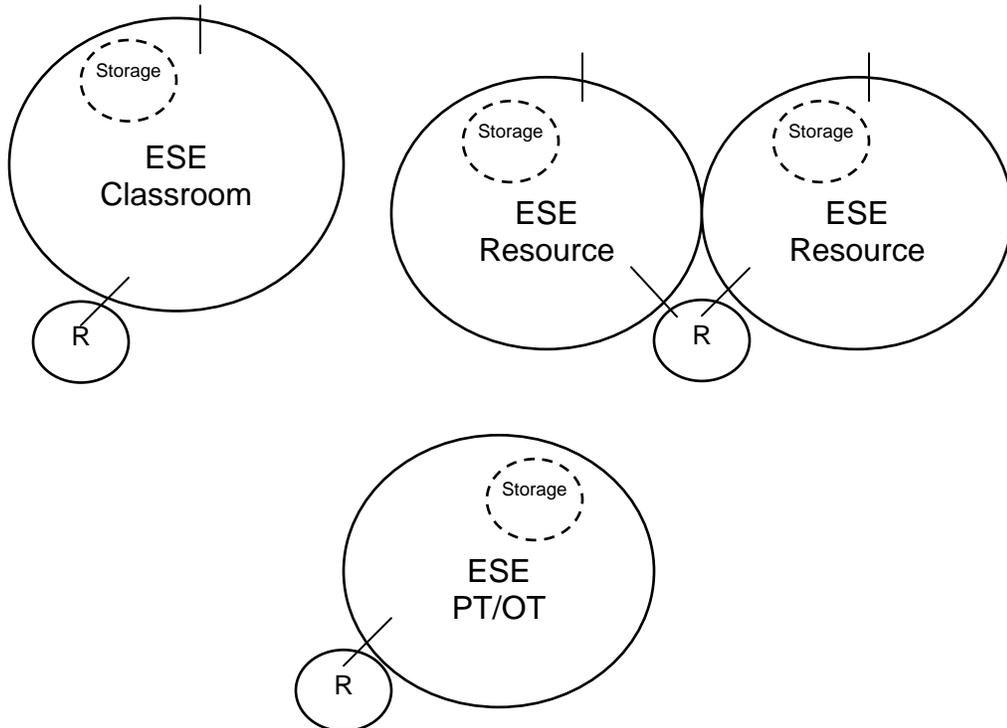
## School Board of Sarasota County

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- c. Tack board, 48" x 48" (3)
- d. Provide storage cubbies (24)
- e. Provide coat/backpack hooks (24).
- f. 4'x4' tack board to be provided in corridor outside each classroom.

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

#### V. SPATIAL RELATIONSHIPS



# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

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#### MEDIA CENTER

##### I. OBJECTIVES/GOALS

The library media program represents a combination of resources that include 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: K-5

##### III. PROGRAM SPACES

NO.	FISH	DESCRIPTION	NET SQUARE FEET		DESIGN	TOTAL
			UNIT	TOTAL	CAPACITY	STATIONS
SPACES	CODE	DESCRIPTION	UNIT	TOTAL	PER UNIT	UTILIZED
		<u>MEDIA CENTER</u>				
	380	P-PS Reading Room/Stacks	3,804	3,804		
	381	P-PS Technical Processing/Office	411	411		
	383	P-PS A-V Storage/Repair	720	720		
	385	P-PS C.C.Television/Storage	1000	1000		
	387	P-PS Media Production/Copying	720	720		
	390	P-PS Group Projects	514	514		
	815-816	Toilet, Student	45	90		
		Subtotal	7,214	7,259		

# EDUCATIONAL SPECIFICATIONS

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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** – ~~Provide carpeting in Media Center, EHPA Office, Conference, Group Projects and resilient flooring in Technical Processing, AV Storage and CCTV.~~ **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 three-way switching of rows of light parallel to AV screen.
- G. **Windows** – Standard. Provide observation windows in Technical Processing, Group Projects, and CCTV Control Room. Minimum height of exterior window sills shall be 4'-0".
- 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. (Refer to District Standard for circulation desk.)
- ~~L. **Gas and Air** – N/A~~
- ~~M. **Safety** – N/A.~~
- ~~N. **Fencing** – N/A.~~
- ~~O. **Service Drives** – N/A.~~
- ~~P. **Parking** – N/A.~~

# EDUCATIONAL SPECIFICATIONS

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#### Q. Built-ins

##### Media Production

- a. Provide storage cabinets with 5 adjustable shelves along two walls
- b. Provide upper and lower cabinets with counter space, on one wall, upper and lower cabinets with counter space and sink on one wall

##### Teacher Production

- c. Teacher Mailboxes on one wall
- d. Provide upper and lower cabinets with counter space and sink on one wall
- e. Provide shelving for professional collection and teacher resources on one wall
- f. Provide Island base cabinet with drawers and storage cabinets and electric (see the workroom at Cranberry in media for dimensions)

##### AV/Computer Maintenance and Repair

- g. Provide upper and lower cabinets with counter space on one wall
- h. Provide work counter with drawers and cabinets on one wall
- i. Provide open adjustable shelving on one wall

##### Textbook Storage

- j. Provide maximum metal shelving with adjustable shelves on all walls. Provide freestanding shelving for center area, allowing for adequate passage and access. Also provide power and a network drop for book check-out.

##### Group Project Rooms

- k. Provide upper and lower cabinets/drawers with counter/workspace
- l. Marker /White board on one wall

##### Additional

- m. Marker /White board on one wall in both Media and Tech office.

#### ~~1. Counters and Cabinet/Shelving~~

- ~~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 (18") with adjustable shelves on all walls (72" high). Provide freestanding 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. AV Screen 10' X 10', electronic~~

# EDUCATIONAL SPECIFICATIONS

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~~b. Marker board with map rails, 48"x48"~~

~~c. Tack board, 48" x 48"~~

~~d. —~~

#### R. Other Considerations –

General Collection/Stacks -- This area contains the main collection for student checkout. The area includes collaborative tables, individual seating, spacing for group lessons and a circulation desk. At the circulation desk there must be an opening for handicapped students, and a book drop.

Media Office -- The media office contains a desk and shelving.

Media Production -- This needs to be connected to the media office, or be combined into one large room. The nature of this room has changed with the times. The room is now more for receiving and processing or preparing books for surplus.

Textbook Storage -- In most elementary schools books are kept in the classrooms, and only the extra materials kept in a textbook room.

Tech Office -- The tech office contains a desk and shelving.

AV/Computer Maintenance and Repair -- This room used to house overheads, projectors, etc. None of those items should still be in the schools. Now it is almost exclusively computer related hardware. This room should be connected to the tech office with built-ins for storage and repair, and also with network drops and power for multiple computers.

Teacher Production – This area should have cabinets and counters on one wall, shelving on another wall (to house the professional library and resources) and a work island in the middle of the room. Carts holding the laminator, rolls of bulletin board paper and a copy machine can be on the blank wall.

CCTV/Studio -- We no longer are using the large media retrieval systems, since most everything is done through the ACTIV technologies. The studio is located near the tech not knowing who will be responsible for the morning news program.

Group Projects -- This should be big enough for at least 4 collaborative tables, counter space and storage for projects in process, a white board for flowcharts etc.

Computer Lab – locate near tech, with capacity for one class.

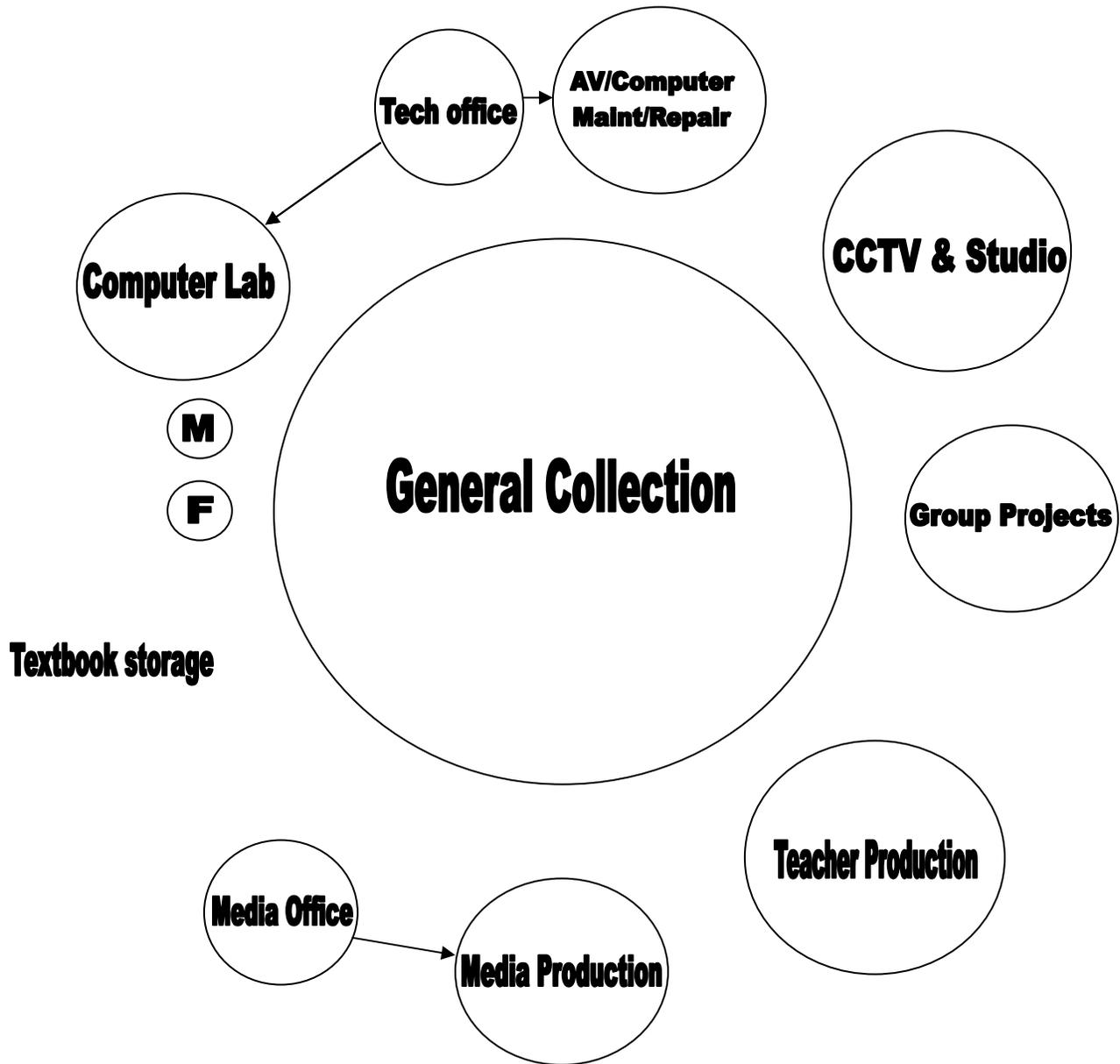
Restrooms – one restroom should be within the Media area.

# EDUCATIONAL SPECIFICATIONS

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## V. SPATIAL RELATIONSHIPS



# EDUCATIONAL SPECIFICATIONS

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**Prototype Elementary School**

# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

#### 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

				NET SQUARE FEET		DESIGN	TOTAL
NO.	FISH					CAPACITY	STATIONS
SPACES	CODE		DESCRIPTION	UNIT	TOTAL	PER UNIT	UTILIZED
				<b>ADMINISTRATION</b>			
1	300	N-PS	Principal's Office/Conference	400	400		
1	301	N-PS	Asst Prin/Other Office	175	175		
2	301	N-PS	Guidance	175	350		
1	301	N-PS	In-school Suspension	175	175		
1	301	N-PS	ESE Liaison	175	175		
1	302	N-PS	Bookkeeping Office	125	125		
1	302	N-PS	Registrar Office	125	125		
3	303	N-PS	Secretarial Space	158	474		
	304	N-PS	Admin. Reception	574	574		
	304	N-PS	Student Reception	150	150		
	304	N-PS	Guidance Reception	150	150		
	305	N-PS	Production/Workroom	411	411		
	306	N-PS	Conference Room (Media)	200	200		
	306	N-PS	Conference/Training	520	520		
	307	N-PS	Clinic	308	308		
	308	N-PS	Admin. Storage	514	514		
	309	N-PS	Records/Vault	308	308		
	311	N-PS	Student Activities Area	514	514		
	313	N-PS	Careers Room	308	308		
	314	N-PS	Itinerant Office	125	250		
	315	N-PS	Teacher Planning (PE)	120	120		
	316	N-PS	Teacher Lounge/Dining	411	411		
	819-821	P-PS	Toilets, Staff (M & F)	411	411		
			Subtotal	6532	7,148		
				<b>OTHER SPACES</b>			
1	368	N-PS	Textbook Storage	360	360		
	815/816		Student Toilet	300	600		
	822/823		Public Toilets	300	600		

# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

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				NET SQUARE FEET			DESIGN	TOTAL
NO.	FISH						CAPACITY	STATIONS
SPACES	CODE		DESCRIPTION	UNIT		TOTAL	PER UNIT	UTILIZED
			Subtotal	960		1,560		

#### **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** – Provide carpeting in all administration spaces and resilient flooring in the Clinic.
- 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 three-way 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 icemakers. Public restroom used in Administration must be within view of receptionist.
- 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.

# EDUCATIONAL SPECIFICATIONS

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### Prototype Elementary School

~~P. Parking – N/A.~~

**Q. Built-ins**

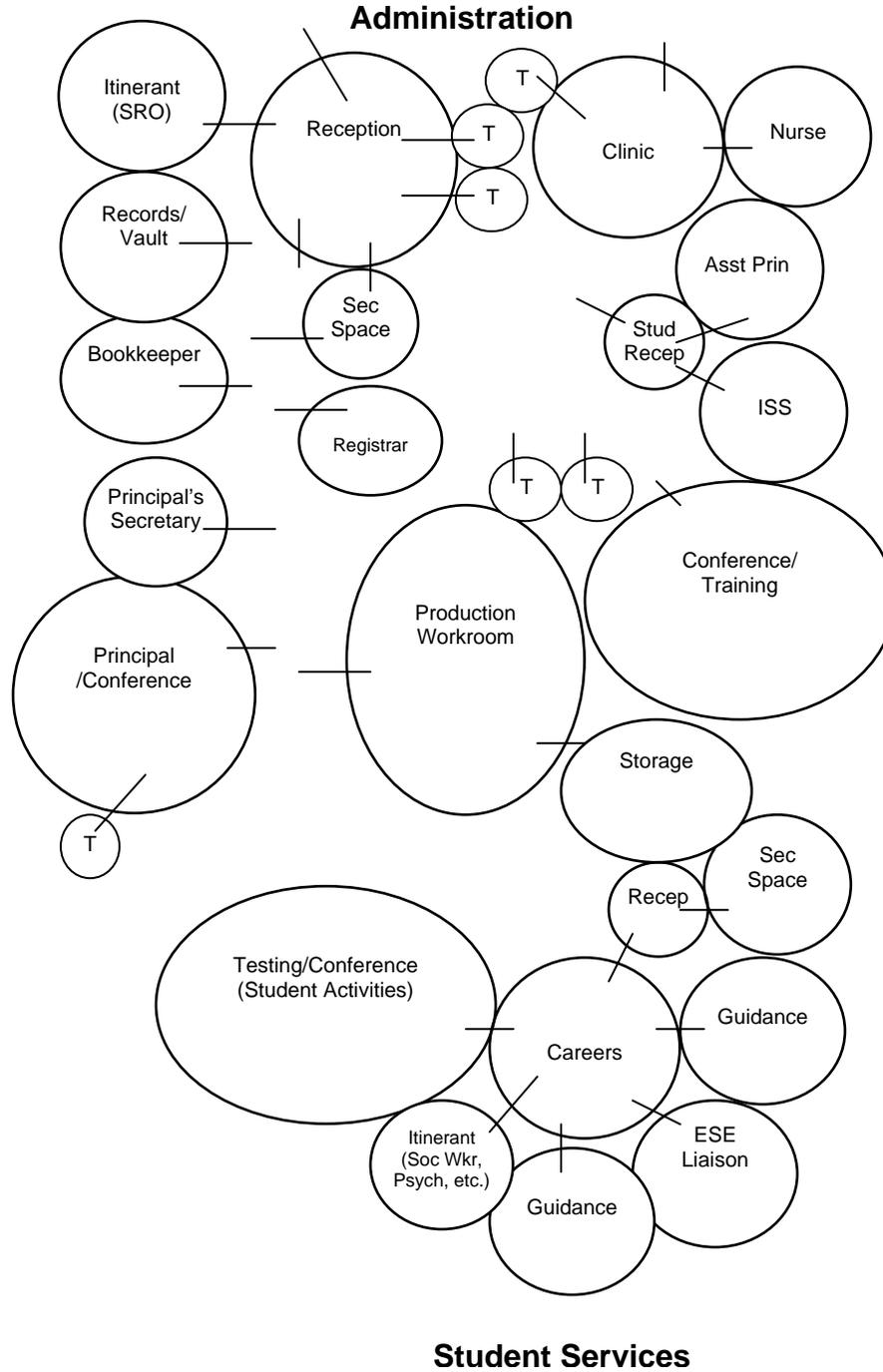
1. Counters and Cabinet/Shelving
  - a. Storage shelving shall be provided by School District.
  - b. Provide Upper and Lower Cabinets with sink in Work Room.
  - c. Provide Upper and Lower Cabinets with sink/eye wash in Clinic.
  - d. Provide Upper and Lower Cabinets with sink in Teacher's Lounge.
  - e. Mail boxes for faculty and staff.
2. Instructional Aids
  - a. AV Screen 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.
  - d. Ceiling-mounted LCD projector in Conference Room.

**R. Other Considerations –**

1. Locate Video Camera Monitoring Station in a secure room in the Administrative area – to be provided by School District per security system standards.
2. A public bathroom shall be provided adjacent to reception.
3. A small conference room shall be provided adjacent to reception.
4. The health room shall include a nurse's office, which includes a small private interview area, and boys' and girls' restrooms with showers; the design shall allow a minimum of 6 feet separation between injured students and those who might suffer from a contagious illness. The main health treatment area shall include space for a workstation for a health aide.
5. The reception space may be two-sided, with one side as visitor reception, the other for staff and students

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**V. SPATIAL RELATIONSHIPS**



# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

#### 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

				NET SQUARE FEET			DESIGN	TOTAL
NO.	FISH						CAPACITY	STATIONS
SPACES	CODE		DESCRIPTION	UNIT		TOTAL	PER UNIT	UTILIZED
			<b>FOOD SERVICE</b>					
	340	N-PS	Dining/Multipurpose	7,299		7,299		
	341	N-PS	Kitchen	4,523		4,523		
	349	N-PS	Chair Storage	206		206		
	362	N-PS	Chair Storage	206		206		
			Subtotal	12,234		12,234		

##### 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** – ~~Provide quarry tile in kitchen areas and ceramic flooring in the dining/multi-purpose.~~ **Shall meet District Standards.**
- D. **Walls** – Shall meet District Standards.
- E. **Ceiling** – The ceiling height will be a minimum of 11’ with acoustical tile panels. Coordinate with Stage.

# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

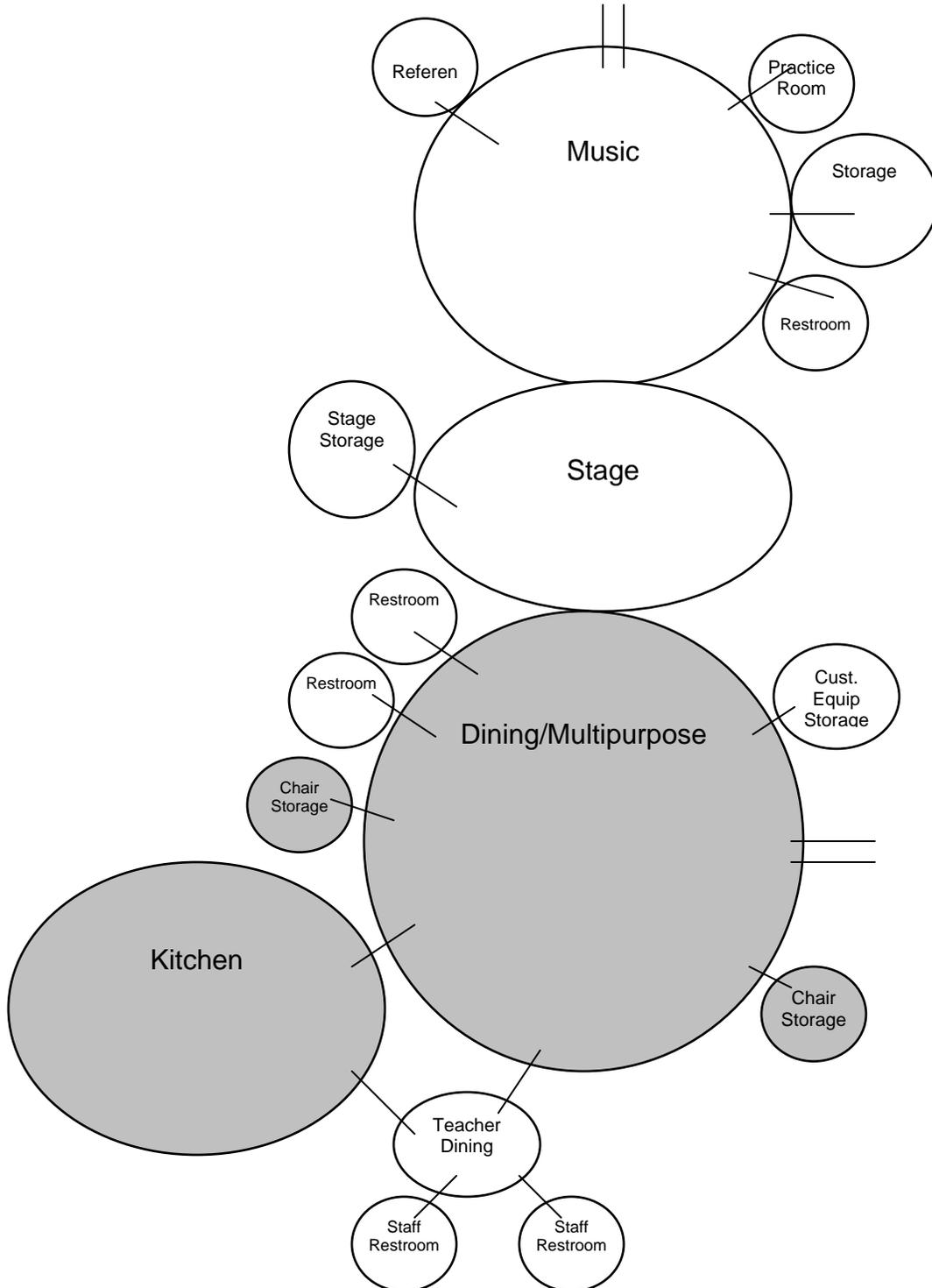
- F. **Lighting** – Provide energy efficient fluorescent lighting with three-way switching of rows of light.
- G. **Windows** – Standard. The windows will be operable to allow natural ventilation when required by code.
- H. **Doors** – Standard. Exterior doors will be hollow metal with peephole. Doors 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 layout with District.
- R. **Other Considerations** – N/A

# EDUCATIONAL SPECIFICATIONS

School Board of Sarasota County

Prototype Elementary School

## V. SPATIAL RELATIONSHIPS



# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

#### STAGE

##### **I. OBJECTIVES/GOALS**

The 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 stage essential auxiliary teaching and community activities spaces for the middle 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**

				NET SQUARE FEET			DESIGN	TOTAL
NO.	FISH						CAPACITY	STATIONS
SPACES	CODE		DESCRIPTION	UNIT		TOTAL	PER UNIT	UTILIZED
			STAGE					
	363	N-PS	Stage	990		990		
	364	N-PS	Storage	514		514		
			Subtotal	1504		1504		

##### **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** – Exposed roof deck at stage with 18'-0" clearance to bottom of structure to dining/multipurpose room main floor. Proscenium opening to be 30' wide by 14'-0" high, 30" above main floor.
- F. **Lighting** – Provide energy efficient fluorescent lighting with three-way switching of rows of light.
- G. **Windows** – Standard. The windows will be operable to allow natural ventilation and/or when required by code.

# EDUCATIONAL SPECIFICATIONS

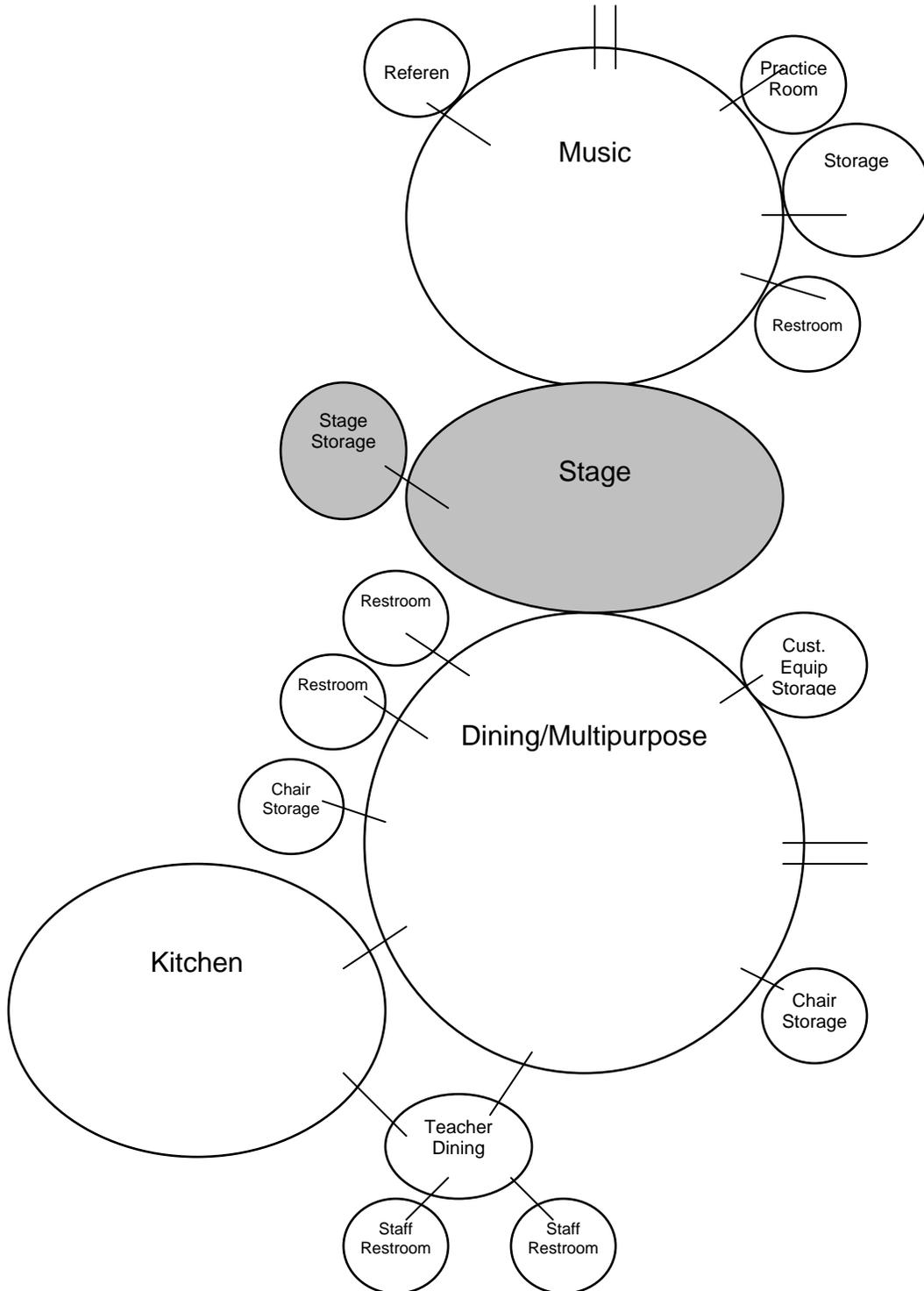
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- H. **Doors** – Standard. Exterior doors will be hollow metal with window(s). Doors opening to the outside of the building will also be protected by a security system. Interior doors, except for restrooms, will have window(s). Provide large doors 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** – N/A.~~
- ~~P. **Parking** – N/A.~~
- ~~Q. **Built-ins** – N/A~~
- R. **Other Considerations** -
1. Adequate sound, lighting, and data systems shall be provided.
  2. The entire front of the stage may consist of steps down to the dining floor, for ease of access and use as choral risers.
  3. The rear or side of the stage shall be accessed by a ramp, linking the stage to nearby music rooms.

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School Board of Sarasota County  
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V. SPATIAL RELATIONSHIPS



# EDUCATIONAL SPECIFICATIONS

## School Board of Sarasota County

### Prototype Elementary School

#### 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

				NET SQUARE FEET			DESIGN	TOTAL
NO.	FISH						CAPACITY	STATIONS
SPACES	CODE		DESCRIPTION	UNIT		TOTAL	PER UNIT	UTILIZED
			CUSTODIAL					
1	330	N-PS	Custodial Receiving	1,131		1,131		
	333	N-PS	Flammable Storage	155		155		
	334	N-PS	Equipment Storage	500		500		
			Subtotal	1,786		1,786		

##### 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 three-way 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. 4’-0” door to dining. Exterior doors will be hollow metal with window(s). Doors opening to the outside of the building will

# EDUCATIONAL SPECIFICATIONS

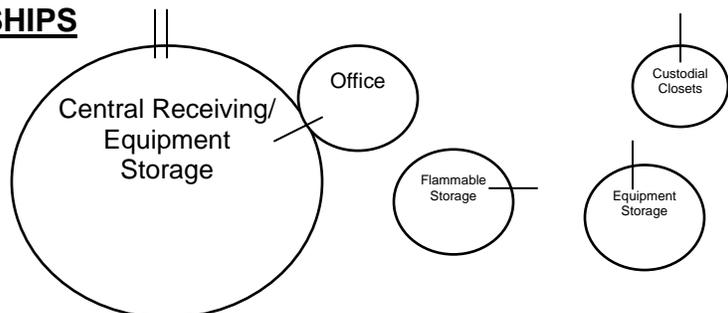
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also be protected by a security system. Interior doors, except for restrooms, will have window(s). Provide large doors for equipment.

- I. **Water/Plumbing Fixtures** – Standard. 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** –
  - 1. Use District’s typical layout for receiving, office, & custodial closets
  - 2. Allocate portion of custodial space to provide equipment storage adjacent to dining/multipurpose. Provide 4’0” door into dining.
  - 3. The number and location of custodial closets per code

#### V. **SPATIAL RELATIONSHIPS**



Custodial