



St. Vrain Valley School District

ELEMENTARY SCHOOL EDUCATIONAL SPECIFICATIONS

Final Draft

November 14, 2008

ELEMENTARY SCHOOL EDUCATIONAL SPECIFICATIONS

St. Vrain Valley School District
395 South Pratt Parkway
Longmont, Colorado 80501

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DISTRICT VISION STATEMENT

To be an exemplary school district which inspires and promotes high standards of learning and student well being in partnership with parents, guardians and the community.

DISTRICT MISSION STATEMENT

To educate each student in a safe learning environment so that they may develop to their highest potential and become contributing citizens.

INTRODUCTION

The Elementary School Educational Specification is a St. Vrain Valley School District model standard for elementary school facilities serving pre-school (P) through fifth (5) grades. It provides a description of the learning spaces and the spaces required to support and manage the learning activities. The primary objective in planning and developing the learning spaces is to develop facilities that will best meet the educational needs of the students served. The learning spaces identified should be designed to facilitate the implementation of the District's elementary school educational program.

This document is meant to be a long range planning guide and initiation point when the opportunity exists to construct a new elementary school or additions and renovations to existing elementary schools to demonstrate equitability within the District. The document is a tool to be used to communicate facility design requirements to architects, consultants and district personnel.

It is intended to be a dynamic document that allows for amendments which will require periodic reviews in order to reflect the influence of a changing educational program for elementary school students.

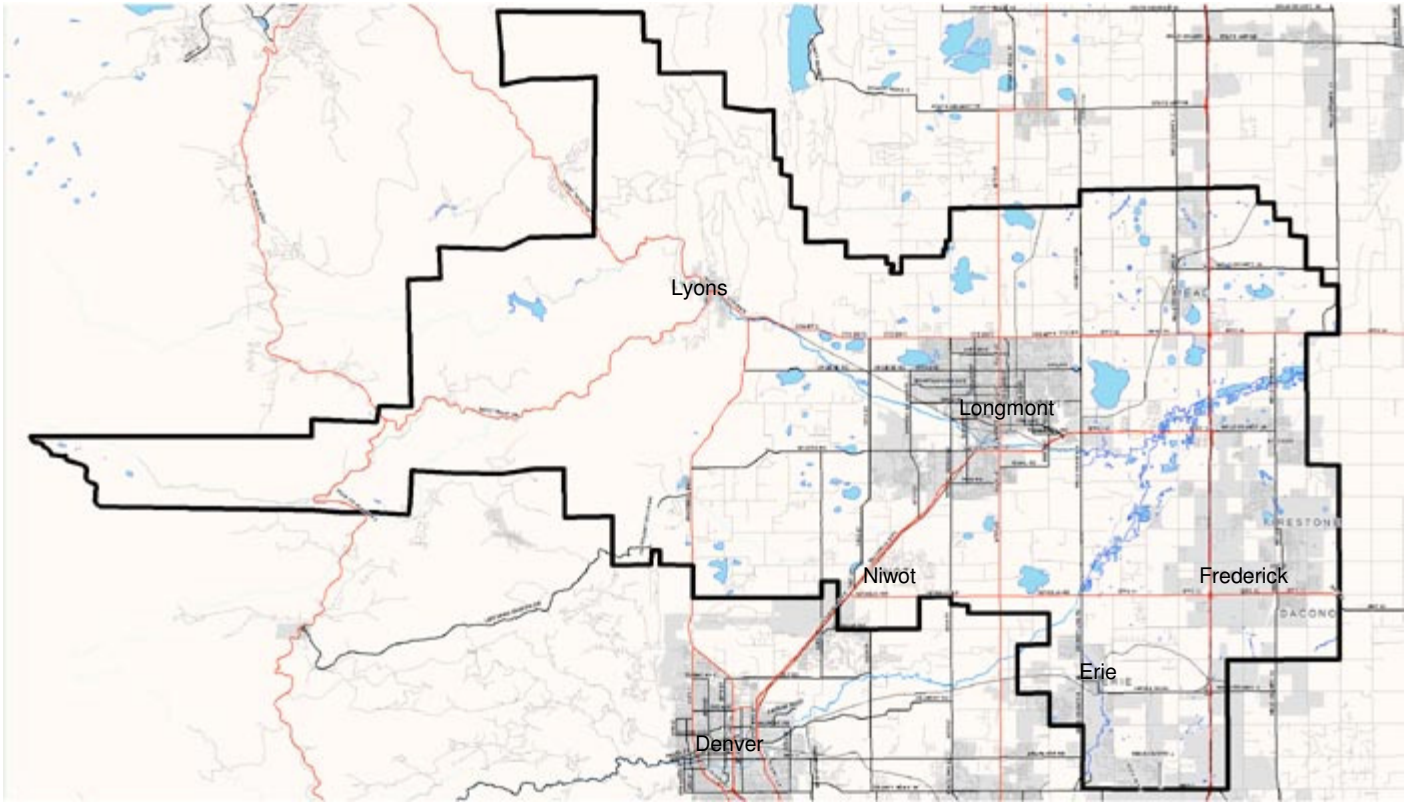
This document is not intended to inhibit research or provide a complete design solution. It relies on the creative influence and collaboration of the design team and district staff to create delightful and functional spaces in such a way as to allow the educator maximum flexibility in the quest to engage and meet the needs of the student.

THE ST. VRAIN VALLEY SCHOOL DISTRICT COMMUNITY

St. Vrain Valley School District is the educational home of more than 24,000 of Colorado's students. The tenth largest school district in the state, St. Vrain Valley operates 44 schools that are spread over 411 square miles. The makeup of the schools include: 25 Elementary, 9 Middle, 1 Middle/Senior, 6 High, 2 Alternative, and 4 Charter.

Located approximately 30 miles north of Denver, the District is geographically diverse. Its physical boundaries extend from the Continental Divide into the plains of Colorado. Adding to its scenic setting are historic downtown Longmont and the backdrop of Rocky Mountain National Park and Longs Peak.

There are 13 different communities that makeup St. Vrain Valley School District: eastern Boulder, Broomfield, Dacono, Erie, Firestone, Frederick, Hygiene, Longmont, Lyons, Mead, Niwot, Peaceful Valley, and Raymond. Parts of Boulder, Broomfield, Larimer, and Weld Counties fall within its boundaries. *



Resource:
St. Vrain Valley School District Website:
www.stvrain.k12.co.us

BACKGROUND & PROCESS

BACKGROUND

St. Vrain Valley School District is dedicated to educational excellence. In order to achieve educational excellence, the District is constantly planning for the future and striving to improve its educational programs and instructional techniques. The District incorporates an active planning process and strives to anticipate the needs and expectations of the community it serves. In the summer of 2004 St. Vrain Valley School District adopted a Strategic Plan. The Strategic Plan has 3 areas of focus, Student Achievement, Well Being (Student, Staff, and Organization), and Partnerships. These focus areas include objectives, evidences of success, and over 60 strategies.

Resource:

St. Vrain Valley School District website; www.stvrain.k12.co.us

Educational philosophies and adopted District policies guide the development of educational curriculum and activities offered, which in turn generate the need for physical space. A change in education philosophies or polices can modify the need of specific spaces. The St. Vrain Valley School District philosophy of Curriculum and Instruction recognizes the need for flexibility and reaffirms the belief that all students can and will learn when curriculum and assessment concurrently:

- Emphasize the learning process as preeminent.
- Create an interactive environment.
- Develop positive self-perception, attitudes and pride.
- Enable independent and group learning.
- Build on experiences, research and continuous programs evaluation.
- The District uses research-based instructional strategies to meet the diverse learning needs of all students.

The elementary school facility shall be designed and constructed to encourage students, parents and teachers to employ the District's philosophy of Curriculum and Instruction.

Resource:

St. Vrain Valley School District Website

www.stvrain.k12.co.us.

www.stvrain.k12.co.us/academicprograms/standards_2005

PLANNING PROCESS

In February of 2008, a collaborative effort between the Operations & Maintenance and the Curriculum & Instruction departments began the process to develop Elementary School Education Specifications.

Initial meetings were facilitated to define purpose, process and vision for the Educational Specification document. Upon receiving approval and support from the Superintendent of Schools, the core team structured planning sessions with key planning directors to address the District-wide planning philosophies for the following areas: (refer to page 3 for district-wide planning statements).

- Curriculum and Instruction
- Technology
- Special Education
- Physical Education
- Transportation
- Food Service

- Temporary Facilities
- Maintenance
- Custodial

Meetings were also established to discuss content with focus groups of administrators and faculty. The focus groups were established with the following content categories:

- Science
- Mathematics
- Social Studies
- Language Arts
- Physical Education
- Music
- Art
- Special Education

Subsequent meetings were held with District Administrators to communicate, seek input and confirm the development of the educational specification.

Upon a final review of the Education Specification by the core team, business and community, and District administrators, an evaluation of existing elementary schools within the District will be implemented. This educational specification will serve as a baseline for facility analysis.

MODIFICATIONS TO EDUCATIONAL SPECIFICATIONS

Modifications of this document shall be made with approval of the Operations and Maintenance department for the District. Modifications will be issued as addenda's to this base document. Each department head involved in the planning of this document will receive a copy.

DISTRICT-WIDE PLANNING PHILOSOPHIES

SIZE OF NEW ELEMENTARY SCHOOL FACILITIES

The Educational Specification for the District is based upon a student capacity of 575-750 students.

TEMPORARY FACILITIES

Temporary facilities are necessitated as a direct outcome of efficient or inefficient building utilization and/or growth. Historically, temporary facilities have been provided to accommodate short-term enrollment “bubbles” in excess of the permanent building capacity or to house “displaced” students because of new program additions. It has been the District philosophy to utilize temporaries in lieu of permanent additions so that ideal building capacity models can be maintained. As new facilities are built, the need for temporary facilities should be reduced and ultimately eliminated.

Temporary facilities provide flexibility and reasonable low initial cost. Inevitably, the District deals with the negative public perception, high life cycle cost and the reluctance to remove them from existing sites.

In planning for new facilities it would be unreasonable not to provide the necessary provisions to allow the implementation of mobiles on-site. The current District planning philosophy is to construct new facilities with built-in flexibility to prolong the need to implement temporary facilities to accommodate increases in student population.

St. Vrain Valley School District has developed policies regarding school capacity mitigation. They can be accessed on the St. Vrain Valley School District website.

St. Vrain Valley School District School Capacity Mitigation
<http://www.stvrain.k12.co.us/policies/F/FC.pdf>

St. Vrain Valley School District Capacity Mitigation Process
<http://www.stvrain.k12.co.us/policies/F/FC-R.pdf>

TRANSPORTATION

As a District policy, all students outside the current walking distance (1-1/2 miles) will be eligible to ride a bus. Students within the designated walking distance will be provided bus service if there are not safe trails available to their school. The District enjoys the benefit of a transportation program that is embraced by the parent community. As the District continues to grow, the overall philosophy is to accommodate growth and implement modifications with minimum impact on the student. Critical planning issues influence the effectiveness of the District’s transportation plan, they include: site location (central to neighborhoods), attendance boundaries, bell times, “center” programs and operational budgets. Each elementary school site should accommodate 10 full size buses in a separate bus drop-off lane.

MAINTENANCE

The District strives to balance the desire to provide the correct balance between first costs, operational costs and life cycle cost issues. The District implemented “Technical Specifications” to provide uniform and consistent quality standards for new and existing facilities. As the District continues to grow, the overall philosophy is to maximize available operations based upon funding available. Critical planning issues that influence the effectiveness of the District’s maintenance plan include, the number of students attending each facility, quality of materials and systems that comprise the infrastructure of the facility and the ability to provide personnel resources on a consistent proactive/preventive basis.

FOOD SERVICE

The District policy requires that space be provided on-site to accommodate lunch programs that are operated by the Nutritional Services department. The District endeavors to provide adequate facilities to accommodate programs and to standardize the delivery methods throughout the elementary school facilities. Therefore, it serves the District's interest to establish prototype planning criteria, layouts and delivery programs for the food service areas for new and existing facilities.

JOINT-USE/PARTNERSHIPS

The District has a policy to make school facilities available for public uses to the greatest extent possible without infringing on their primary purpose, the education of students. Fees are collected to defray the additional costs for public use and increase maintenance requirements.

Although the District continues to improve its relationship with all municipalities within the district boundaries, the ability to embrace or expand existing joint-use partnership will be periodically evaluated independently of other district facilities.

TECHNOLOGY INTEGRATION

The District envisions a learning environment in which the tools of technology maximize teaching and learning, and serve as a catalyst to broaden the educational experience. Specific areas of focus for technology integration include instruction, assessment, communication, administration and support. The vision is to create learner-centered environments through the effective use of differing technologies and to provide access to assessment results for the educators use and to provide trained technicians and personnel to support on-site staff.

SVVSD's Educational Technology Information Literacy (ETIL) Plan works to support the district's mission "To educate each student in a safe learning environment so that they may develop to their highest potential and become contributing citizens." The ETIL Plan goal is to develop a student's mastery and effective use of the following skills:

- Critical thinking
- Problem solving
- Communication
- Collaboration
- Creativity
- Self-directed learning
- Information & media literacy
- Accountability & adaptability
- Social responsibility *

Resources:

* Educational Technology / Information Literacy Plan 2007-2011, St. Vrain Valley School District, June 2007.

www.stvrain.k12.co.us/departments/information/services/educationaltechnologyinformationliteracyplan

CURRICULM & ASSESSMENT

The academic program at the elementary level offers a balanced curriculum that provides continuing emphasis on basic skills with the core curriculum. Elementary school facilities designed to accommodate smaller learning communities enable the District to provide larger facilities while preserving intimate instructional programs.

SPECIAL EDUCATION

Special education programming (services) for students with educational disabilities in the SVVSD stems from the intent of the "least restrictive environment" (LRE) portion of the Individuals with Disabilities Education Act (IDEA). LRE requires that a student with disabilities be educated with students who do not have disabilities, unless the nature or severity of the disability is such that education in regular classes with the use of supplementary aids and services cannot be achieved satisfactorily. The District's philosophy relative to "inclusion" stems from the LRE section of the law. It is SVVSD's belief that students with disabilities should be educated with their typical peers, unless their needs are better addressed through amore specialized educational environment.

It's also the District's belief that special education is not a place, but rather a variety of services for students with disabilities (i.e. it is an array of resources for schools, not an educational system separate from regular education). *

*** Resource:**

St. Vrain Valley School District Website, Academics & Programs, Special Needs.
www.stvrain.k12.co.us/academicprograms/specialneeds.php

ALTERNATIVE PROGRAMS –FOCUS SCHOOLS

The district implements and supports two (2) levels of alternative programs; site based and district-wide programs. In the future, the District may choose to emphasize site based programs. Currently, sites based programs lack adequate funding but are recognized as highly effective models of education. As the District grows additional facilities will need to be planned to accommodate needs for district-wide programs located across the District.

SAFETY AND SECURITY

The District continues to establish a comprehensive approach to reduce youth violence and increase students' educational success. Crime Prevention Through Environmental Design (CPTED) is a design approach, which emphasizes the effective use of the built environment in reducing incidents of crime. CPTED focuses on prevention, rather that apprehension and punishment. St.Vrain Valley School District follows these principals in the requirements for their schools.

SVVSD also complies with the Colorado School Districts Self Insurance Pool Site Safety Checklist.

Planning and evaluation of schools should include Law Enforcement and Emergency Agencies in the process. Issues to coordinate include the following:

General

- Fire Department access and hydrant locations
- Location of fire entrance, knox box, control panel, etc.
- Police and sheriff emergency procedures for intruder defense.
- Emergency vehicle access.
- Disaster and crisis policies.

Site

- Separate all parking lots and means of transportation/egress.
- Avoid north entries or any pedestrian walks where shadows can contribute to snow and ice build up.

- Provide proper drainage at all entries and walks.
- Locate the administration area adjacent to the main entry with a clear line of sight to all visitors entering the building and visitors parking.
- Provide adequate lighting at all entries and exits for all before and after hours activities.
- All outdoor educational and recreational spaces shall be fenced with access control.

Access Control

- Provide the minimum amount of entries and exits
- Visitor's access to the building must pass through the administration area.
- Coordinate all access hardware and security cameras with SVVSD security.

Supervision and Security Systems

- All corridors to provide a direct line of sight.
- Avoid alcoves and recesses in circulation and common areas that cannot be easily supervised.
- Consult SVVSD Safety & Security for security systems and camera locations.

Resources:

Crime Prevention through Environmental Design (CPTED)

http://www.victoria.ca/common/pdfs/planning_cepted.pdf

Colorado School Districts Self Insurance Pool Site Safety Checklist

<http://www.csdsip.net/documents/SelfInspectionForm.pdf>

GENERAL PLANNING CONSIDERATIONS

SITE DEVELOPMENT GUIDELINES

Disqualifying Features - One or more of the following features on, or immediately adjacent to the site, may disqualify a proposed site:

- Sites that place the building below the play fields creating inadequate supervision and poor drainage.
- Landfill
- Hazardous waste
- Within 100 yards of a wetland or in below the 100 year flood plain.
- Within 50 yards of a water body.
- Retention pond (standing water)
- Identified as habitat for any species on the Federal or State endangered species list
- Violation of airport influence area criteria
- High voltage power transmission line(s)
- High pressure gas transmission line(s)
- Railroad line(s)
- Regional highways or expressways
- Easement(s) which bisect the site
- Zoning, or land-use designations including industrial, commercial, or transportation

Further consideration of a site which includes any of the features cited above should be based on an analysis of the impact of these features on the health and life-safety of proposed tenants, and the assurance that any negative impact can be effectively, efficiently and economically mitigated.

Joint-use - Selection of sites adjacent to the following features is encouraged:

- Public open space
- Public parks
- Public facilities, such as libraries or recreational facilities
- Community, or neighborhood, focal points

Size of Site - Adequate space is required to accommodate the specified school capacity, plus temporary facilities, and future expansion as defined by the following table:

School Type	Approx. Sq. Ft.	Student Capacity	Usable Acreage*
Elementary	65,000 – 75,000	550-750	8

*The following land areas should not be included in the calculation of usable acreage:

- Drainage ways, detention ponds, or wetlands
- Slopes greater than 5 percent
- Intrusive easements or rights-of-way

Space requirements may be adjusted based on an analysis of joint-use facilities, parking, and play fields.

Configuration of Site - The configuration of the site should accommodate structures with minimal site adaptation, as well as, bus and auto drop-off areas, parking, bicycle storage, playground equipment, athletic fields and play fields. To allow maximum utilization of the site, the geometry of the site should be approximately rectangular (length to width ratio of

less than 1.67), and relatively flat (1 to 3.5 percent slope). Depending on the geography of the site, work to locate the building above the play fields for supervision and proper drainage. Avoid a north entry into the building and minimize shadows on walkways and drives to reduce ice and snow buildup.

Site Location - The site should be central to the population served, properly spaced in relation to other District facilities, and aligned with feeder school boundaries. Select sites that are within ½ mile of 10 basic services (existing or planned) and public transportation (existing or planned).

Access and Traffic Flow - The site should optimize the opportunity for pedestrian and bicycle access, and minimizing the need for motorized transportation. “**School Site Access Guidelines**” developed for Douglas County by Carter Burgess (May 1997) are adopted by reference and are also in compliance with Americans with Disabilities Amendment access.

On-site parking should be based on the following guidelines:

School Type	Student	Staff / Faculty Parking	Parent Drop Off / Visitor Parking	Buses
575 Student Elementary School	NA	40	20 / 10	6
650 Student Elementary School	NA	45	24 / 10	7
750 Student Elementary School	NA	50	28 / 10	8

The site should accommodate a fenced concrete pad for the temporary storage of bicycles. The pad should provide approximately 1.5 square feet of surface area per student. In addition, the site should accommodate storage of athletic and maintenance equipment. For preliminary planning purposes, allocate 1 square foot of surface area per student for storage structures.

Comply with the section on Safety and Security. Separate access for staff/visitor parking, parent drop off and bus drop-off areas. Service vehicles may share the same driveway and parking lot with buses. However, if it is necessary for service vehicles to access the building through the staff and visitor parking area, provide a separate driveway, or paved area with access to the loading dock and service entrance to the building. Allow adequate turn around and back-up space for trash and delivery trucks.

Provide access for emergency vehicles in accordance with adopted codes and standards, and approval of the authority having jurisdiction.

Crosswalks and walkways must be provided to expedite the secure flow of students and patrons to and from school. Student walking areas must be made secure from vehicular traffic. Walkways should be 6’ wide to accommodate snow removal equipment.

Temporary Facilities -The site should be large enough to accommodate the set-up of four 2 classroom temporary structures (mobiles). For preliminary planning purposes, temporary structures are typically 24 feet wide by 40 feet long. Temporary structures will be located on flat hard surfaced pads and serviced by underground utilities.

Geo-technical Investigation - A geo-technical investigation of the site shall be performed prior to acceptance of the site. The investigation shall determine sub-surface soil conditions, evaluate any environmental issues which have previously been identified, and determine the depth to ground water. The geo-technical report shall be submitted to the

Colorado Geological Survey for review and approval prior to acceptance of the site.

Site Improvements - The site should accommodate other site improvements, including playgrounds, play fields, and joint-use facilities as defined by the Physical Education section of the District Educational Specifications and/or inter-governmental agreements.

The site should be accessible by means of a paved street(s) prior to construction of the school. Furthermore, all utilities should be extended to the site. The site, and surrounding property, should be graded.

Grounds and Landscaping – Physical Education and athletic areas should be completely sodded and equipped with an automatic sprinkler and timer system. The balance of the site should be landscaped with the idea of reducing potable water usage by 50% (LEED for Schools 2007, Credit WE 1.1). The use of large ten pound decorative stone that is keystoneed into the ground or neutral color breeze is to be provided in a 5 foot wide non-irrigation zone around the entire perimeter of the building. Consider maintenance requirements of vegetation at all times. Slopes should not exceed 3:1 for mowing and tree/shrub spacing should accommodate riding mowers.

Vegetation should be planned in a manner that will not conceal intruders, especially along walkways, recreational, and instructional areas. Reference Crime Prevention Through Environmental Design (CPTED).

Emphasis should be made to develop outdoor learning environments whether they are natural areas for science programs or hardscape amphitheatres for lectures.

Site Program Requirements -

- Bus loading – The number of buses will vary widely, depending upon the site location, but the average is 10.
- Parent Drop Off - Separate drop off lane for parents to drop off students in close proximity to the main entrance is required for 1st through 5th grade students. Another separate drop-off for preschool and kindergarten in close proximity to those classrooms is also to be provided. Size the length of the drop off lane as indicated in the table above in the Access and Flow section.
- Bike Pad and enclosure – Provide 1000 s.f. for bicycle storage.
- Temporary Classroom area – Provide space for four (4) temporary classroom buildings (24' x 40'). Separate each modular classroom by 20' in each direction.
- Provide underground vaults with conduit stubbed-in for electrical, power, gas, security, telephones, clock, paging system cable television and computer network systems.
- Provide an enclosure for (2) 6 yard dumpsters for recycling, (1) 6 yard dumpster for trash.
- Provide building monument signage at main entrance.
- Provide one softball field with foul lines 200' long. Do not overlap fields if possible. Provide backstop only.
- Provide one soccer field, with preferred orientation along north/south axis. Soccer field shall be 150' x 300' (minimum).

- Provide apparatus areas for Pre-K/Kindergarten, Primary, & Intermediate play areas in separate, but adjacent locations.

Pre-K/Kindergarten– locate near primary play pad (50% of all apparatus must be ADA accessible). Provide the following:

- 6 swings
- 2 slides

- 1 crawl tunnel

Primary – locate near primary play pad (50% of all apparatus must be ADA accessible). Provide the following:

- 2 spring rockers
- 6 swings
- 2 slides
- 1 crawl tunnel
- 1 vertical climber
- 1 horizontal climber or track ride
- fun funnel

Primary Play pad shall be approx. 10 -14,000 sf. of asphalt play pad. Paint lines to accommodate the following activities:

- 4 hopscotch layouts
- 1 volleyball court
- 2 basketball goals
- 2 tetherball courts
- 4 foursquare courts
- 1 sand pit for kindergarten use

Intermediate – locate near intermediate play pad (50% of all apparatus must be ADA accessible). Provide the following:

- 2 overhead ladders
- 1 flexible climber
- 1 slide
- 6 swings
- 2 vertical climbers
- 1 log roll
- 2 fun funnels

Intermediate play pad shall be approx. 10 - 14,000 sf of asphalt play pad. Paint lines to accommodate the following actives:

- 6 basketball goals
- 4 tetherball courts
- 4 hopscotch layouts
- 4 volleyball courts
- 4 foursquare courts

Resources:

LEED for Schools for New Construction and Major Renovations, Version 2007, U.S. Green Building Council.

www.usgbc.org/DisplayPage.aspx?CMSPageID=1586

The Collaborative for High Performance Schools Best Practices Manual “Daylighting” pages 204-221.

www.chps.net/manual/index.htm#BPM

Crime Prevention through Environmental Design (CPTED)

http://www.victoria.ca/common/pdfs/planning_cepted.pdf

State of Colorado, Department of Human Services, Division of Child Care,
“Rules Regulating Child Care Centers”

Applies to certified Early Childhood Education (ECE) programs

BUILDING GUIDELINES

Building Orientation - Climate in Colorado dictates a southern orientation to main entries in the building, if possible. Such orientation will allow maximum benefit from winter sun and protection from northwesterly and northeasterly winter winds. A preferred orientation is along an east-west axis which will maximize daylight and optimize the prevailing south-southeast winds for summer cooling. Orientation should also provide for maximum visual impact of the facility from the passing public.

Resource:

National Weather Service, Normals and Means 1971-2000, Extremes 1872-Present (Updated 6/30/2005), Denver International Airport, CO., Lat. 39.52N, Lon. 104.40W, Elev. 5431 FT.

www.crh.noaa.gov/bou/cli/normal.php

Exterior Character – It is the intention of the District to construct and maintain school facilities for 50-75 years. Therefore, the District prefers to use brick as the primary material for the exterior of the building. The District will consider alternate wall materials if located away from potential damage. Flat roofs are economical to install, however they require on-going maintenance. Pitched roofs are more expensive to construct, but are more economical to maintain. Pitched roofs can also be a strong aesthetic element and should be considered in the exterior design, as appropriate to project economics.

Exterior plazas should be used to provide access from parking and bus unloading areas. These plazas will serve as transitions from the exterior to the interior; they will also serve as exterior gathering and social spaces as weather permits. Lighting will add to the dynamics of plazas during the evening and nighttime visitations to the facility.

Flexibility - The facility must be able to adapt and adjust to evolving pedagogical changes and demographic shifts in the community. Planning in the design for an uncertain future of population surges, program transformations, and economic disruptions is essential.

Corridors – Corridors should be direct, simple and logical as a way-finding system into and through the building.

- Vestibules are required at high use entrances and exits only.
- Minimum width of any corridor is 8 ft.
- Minimum width of primary corridor is 16 ft.
- Preferred wall finish in corridors shall be 48” high masonry wainscot veneer; the optional wall finish will be high impact gypsum board on the lower 48” with the remainder of the wall finished with standard drywall finish. All exterior corners shall have corner guards.
- Provide a built-in lighted general display cabinet in the Main entrance lobby corridor.
- Provide 200-300 sf of tackboards at 3 or 4 prominent locations the main corridor.
- Corridor lighting shall be 30-foot candles at 36 inches above the floor.
- Drinking fountains should be strategically located throughout the building. These fountains should meet ADA requirements.

Coat & Backpack Storage – Provide storage for 30 students to hang their coats and backpacks within classroom.

Windows - Natural light should be utilized throughout the building. Studies have produced significant data on the increase of student productivity with proper daylighting*. Window should be carefully designed for purposes of lighting, aesthetics, and energy efficiency. Northern exposure for daylight should be maximized, while east, west, and south exposures need to be sized appropriately to reduce glare (reference LEED for Schools 2007, Credit EQ 8.1 or CHIPS Best Practices Manual "Daylighting" pages 204-221). Sills should be low maintenance and sill heights shall be coordinated with equipment or casework, which may be placed in front of the window opening. Shades or blinds should be provided where natural light is allowed to enter into an instructional area (except at the Gymnasium and Aux. Gym).

Acoustics – Learning environments require proper acoustics. Quieter environments increase intelligibility, aid students with hearing disabilities, promote a calmer atmosphere to enable the instructor to be more effective.

Design Principles:

- Reduce level of background noise to approximately 35 decibels**.
- Reduce noise from HVAC units
 - Locate HVAC units outside of classrooms and at a proper distance to isolate machine noise.
 - Avoid locating any HVAC unit above classroom.
- Reduce sound infiltration from the exterior.
- Off set doors to classrooms across corridors
- Utilize soft floor surfaces and suspended acoustical ceilings to reduce impact noise and provide proper reverberation times.
- Locate noisy spaces such as gymnasium and cafeteria away from classrooms.

Mechanical and Electrical Systems – A school is a structure that is intended to serve the community for a minimum of fifty (50) years. Providing flexibility and quality in the design of these systems will increase building cost and must be carefully considered in evaluation of life cycle impact and long-term return on additional capital dollars invested. The District advocates the implementation of sustainable design principals and best practices as identified in LEED for Schools 2007 and they should be incorporated into the design solution.

Energy Guidelines - System Performance Criteria: Exceed ASHRAE 90.1 by 50%. Achieve Energy Star rating of 75 or better.

Central Plant: All school shall use ultra-high efficiency condensing boiler. The boiler plant shall be sized to serve two-thirds (2/3) of the design heating load of the building. Boiler capacity at 28-30 btuh/s.f.

Cooling System: Cooling load shall be 1 ton/1000sf (Conventional school construction for chilled water system is 2 ton/1000sf).

Lighting System: St. Vrain Valley School District would like to exceed the requirements of 1.5watt/sf, as recommended by ASHRAE's energy standard. Design requirement shall be 0.5 watts/so (daytime) and 0.8 watts/so (nighttime). Controls: All lighting systems with occupancy sensors that are used for HVAC equipment describe above shall also control lighting systems. In addition, all offices and restrooms shall have occupancy sensors that turn lights on when someone enters the room for a period of 30 min. (adjustable).

Daylighting: SVVSD would like to take advantages of the daylighting opportunities wherever the design team would believe to be appropriate. SVVSD prefers the use of manual switching to control daylighting rather than problematic automatic sensing systems for

daylight control of artificial lighting systems.

Additional Energy Efficient Design Strategies for Consideration:

- Micro-load building
- Variable Frequency Drive Motors
- Thermal Ice Storage
- Daylighting & Controls
- GeoExchange Systems
- Shared Raw Water Systems

Resources:

* Heschong Mahone Group (1999). Daylighting in Schools. An investigation into the relationship between daylight and human performance. Detailed Report. Fair Oaks , CA. www.h-m-g.com

Heschong Mahone Group (2001) Re-Analysis Report, Daylighting in Schools, for the California Energy Commission, published by New Buildings Institute, www.newbuildings.org/pier

LEED for Schools for New Construction and Major Renovations, Version 2007, U.S. Green Building Council. www.usgbc.org/DisplayPage.aspx?CMSPageID=1586

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TECHNOLOGY GUIDELINES

In 2006 St. Vrain Valley School District started a planning process to look at ways to collaborate between district departments, improve and support information and technology literacy throughout the District and determine measurements to demonstrate success. This resulted in changes to departments and organization, procedures, and policies district wide. The Educational Technology Information Literacy (ETIL) was authored in June of 2007 as a policy for implementation of technology in the district.

Video Guidelines – Outlet Locations:

- Classrooms - provide one (1) drops per classroom. Locate at the front of the classroom.
- Library Media Center - provide two (2) in the Instructional/Stack area.
- Gymnasium & Aux. Gym – provide one drop, locate to minimize damage to monitor
- Cafetorium – provide two (2) drops; locate to provide adequate coverage of the space.

- Teacher Work Areas – provide one drop per work area.
- Administration Area – provide one drop in the reception area
- Student Service Area – provide one drop in the reception area
- Administrative Conference Rm. – provide one drop

The following drops will be used for monitors. Provide additional drops located 18" AFF to accommodate a video camera for the following areas:

- Cafetorium
- Gymnasium
- Administration conference room
- Library Media Center
- Computer Lab
- Conference Area within each Academic Suite

Voice (Telephone) Guidelines – Outlet Locations:

- Classrooms - provide one drop per classroom locate adjacent to the teacher's desk.
- Library Media Center - provide one drop at circulation desk, workroom, and media specialist office.
- Special Programs – Provide one per classroom and office.
- Gymnasium – provide one per each office and one in Gym
- Cafetorium – provide outlets at student store, office and at each point of sale for each service line.
- Teacher Work Areas – provide one drop per work area.
- Administration Area – provide one per office, conference room, health clinic and at each support workstation. Provide additional outlet for FAX and copier machines.
- Student Service Area – provide one per office, conference room, and at each support workstation. Provide additional outlet for FAX machine.

Data Guidelines – Outlet Locations:

- Classrooms - provide six (6) per classroom. Locate one adjacent to video outlet for use of video camera, one at front of classroom and four associated with CPU workstations within each classroom.
- Library Media Center - provide two (2) at the circulation desk, one for the workroom, and media specialist office. Provide a minimum of five (5) locations adjacent to the circulation desk for look up stations and a minimum of eight (8) computers for internet research within the Instructional/Stack area. The LMC should be a wireless environment.
- Special Programs – Provide one per classroom and office.
- Gymnasium & Aux. Gym – provide one per each office. Provide one adjacent to each video outlet.
- Cafetorium – provide outlets at student store, office and one adjacent to the video outlet.
- Teacher Work Areas – provide one outlet per each workstation.
- Administration Area – provide one per office, conference room, health clinic and at each support workstation.
- Computer Lab – provide a min. of sixteen to thirty-two (16-32) depending upon lab configuration.
- Student Service Area – provide one per office, conference room, and at each support workstation

BUDGET AND SCHEDULE GUIDELINES

Preliminary project budgets will be established based upon the funding available from successful bond programs, and will be established prior to the selection of the design team. The project budget for new elementary schools will include the following:

- Site Acquisition Cost
- Off-site Construction
- Building & Site Construction Cost
- Furniture & Equipment
- Professional Fees/Miscellaneous
- Owner Contingencies

Based upon the development of a prototype elementary school design, the District anticipates the following durations involved in the implementation of the initial design and subsequent prototypes. Timelines assume site procurements and off-site utilities are available to the school property at the start of construction.

Phase Description	Initial ES design	Prototype ES design
Pre-Design	4 weeks.	2 weeks
Schematic Design	8 weeks	4 weeks
Design Development	12 weeks	8 weeks
Construction Documents	16 weeks	12 weeks
Bid/Award	5-7weeks	4-5 weeks
Construction	72 weeks	72 weeks
Building Commissioning	16 weeks	16 weeks
Project Closeout	6 weeks	6 weeks

Note: The timeframes represented in the Prototype design column represents a conventional site adaptation of the initial design and assume no modifications to the configuration of the initial building design. Furthermore, the timeframes represented in the post-bid phases anticipates allowing the District flexibility to competitively bid each project. It is a reasonable assumption that efficiencies of time could be gained if a single contractor constructed the initial elementary school and subsequent prototype facilities.

PROGRAM MODIFICATONS for EXISTING FACILITES

It is the intention of the District to utilize this Educational Specification as a outline of the basic facility design requirements and guidelines for existing and future Elementary Schools. To facilitate an analysis of the existing facilities within the District the use of this document will be implemented as a planning guideline to determine the overall capacity of the existing schools.

As such, there are some areas, which will be less flexible or adaptable to modifications in an effort to meet these design requirements (i.e. Gymnasium, etc.) Existing conditions may prevent facilities to be expanded, therefore the District may consider reducing the stated capacity of the school or make adjustments in the curriculum offerings to accommodate physical limitation of the building. Such influences, as the following will need to be considered at the time of evaluation:

Changes in the Curriculum - Curriculum offerings and the requirement to provide community based schools will alter some of the core decisions past administrations have implemented. The need to decentralize a special needs program back into neighborhood schools is a good example.

Change of Technologies - Technology changes as quickly as we implement it, therefore old technologies and the space required to support it will impact the overall efficiency of the school.

Available Funding – Funding has a definite impact upon facilities, it impacts, quality and quantity issues. Based upon the funding at the time the facility was built, the funding available will have a direct correlation with the adaptability of the school.

Functional Changes – Some space may have been designed to accommodate a desired function and through time the need or the function has changed, thereby reducing the efficiency of the space.

ACADEMIC SUITE(S) – 1st through 5th Grades

Space Description:

This building program has been developed based upon Instructional Suites designed to accommodate the spaces for Grade levels 1st through 5th. Instructional Suites are to be designed using the following criteria and spaces:

- A. General Classroom
- B. Flex Classroom
- C. Student Toilets
- D. Staff Toilets
- E. Teacher Workroom
- F. Conference Room
- G. Janitor Closet

Design Criteria:

A. General Classroom

General Requirements:

- For each grade, provide four (4) classrooms per Instructional Suite.
- Each Instructional Suite shall be centered on the conference room for the suite. Provide maximum window area from classroom into the hallway with window blinds for privacy.
- Provide direct access to the exterior from each of the classrooms.
- Provide a coat area along one side of the classroom to facilitate entrance from the exterior or for the interior corridor.
- Provide natural daylight into all classroom spaces. Provide window coverings to reduce light level to 5-foot candles for A/V presentations.
- Wherever possible provide sidelights at classroom doors.

Casework Criteria:

- Provide a minimum 16 l.f. of 30" deep open base cabinets, at a height of 30".
- Provide 1 ea. 36" wide by 66" (max.) tall wardrobe with grommets, video hook-ups, and outlets to accommodate a TV on top and a VCR inside the unit. Casework shall be designed to be re-locatable. Provide coat hooks for 30 coats and adequate space for storage of backpacks. Provide personal cubbies along the top shelf of the coat area for gloves and other personal items of the students.

Furnishings Criteria:

- Student desks and chairs by owner.
- Waste basket by owner.
- Provide (4) 3ft. wide computer workstation desks w/ locking overhead cabinets. Desktop depth should be a minimum of 25" with a height of 30" above the finished floor.

Equipment Criteria:

- TV monitor, by owner.
- Phone handset by owner.
- Provide a 4' x 12' marker board, with marker trays and a 4' x 8' tack board.

Signage Criteria:

- Provide ADA acceptable room identification and exit signs as required by the design of the facility. Provide 8.5" x 11" printed graphic and text illustrating

fire exit pathway and tornado drill instructions for each classroom. Materials shall be submitted to the Owner for approval prior to installation.

Mechanical/Plumbing Criteria:

- Provide a sink in each classroom with a bubbler fountain.

B. Flex Classroom

General Requirements:

- Match all requirements above for general classrooms.

C. Student Toilets

General Requirements:

- Provide accessible toilet facilities per each Instructional Suite. Ceiling heights shall be a minimum of 8'-6" AFF. The design should be configured for visual privacy at each entrance, preferably without a door.
- Quantity of water closets, urinals, and drinking fountains should be determined by applicable building codes. Located drinking fountains associated with toilet facilities. Drinking fountains are not required to be refrigerated type.

Casework Criteria:

- Provide accessible vanity enclosure at sinks to cover piping of sinks.

Furnishings Criteria:

- Toilet paper dispensers by Owner.
- Soap dispensers by Owner.
- Provide mirror units at sinks.

Equipment Criteria:

- Provide a min. of two (2) hand dryers.
- Provide waste basket, by Owner

Signage Criteria:

- Provide ADA acceptable room identification and exit signs as required by the design of the facility.

Mechanical/Plumbing Criteria:

- Provide floor drain.
- Provide adequate ventilation.

D. Staff Toilet

General Requirements:

- Provide a single occupant handicap accessible toilet. Provide water closet and sink. Consideration should be given to the proximity of the doorway from adjacent spaces.

Equipment Criteria:

- Soap dispenser, by Owner.

Signage Criteria:

- Provide ADA acceptable room identification sign.

Mechanical/Plumbing Criteria:

- Provide floor drain.
- Provide adequate ventilation.

E. Book Storage/Work Room

General Requirements:

- Provide an area to accommodate 4 workstations with an additional area for common book and material storage for the Learning Community. Allow for direct access and window supervision into the conference room.
- Provide adequate space and power to recharge mobile laptop storage rack. Laptop storage rack will be stored in this area when not in use.
- Internal windows should be provided with blinds.

Casework Criteria:

- Provide 16 l.f. - 72" tall adjustable wall shelf standards with associated brackets and shelves.
- Provide four (4) 5' wide workstations with windows for visual supervision of into the Flexible learning space. Workstations should be 30" deep and mounted at 30" AFF. Each workstation should have 5' of locking overhead cabinets and one 18" wide drawer unit, and one 24" wide x 84" tall wardrobe unit.

Furnishings Criteria:

- Waste baskets, by Owner.

Equipment Criteria:

- Phone handsets, by Owner.
- Metal shelving racks, by Owner

Signage Criteria:

- Provide ADA acceptable room identification and exit signs as required.

F. Conference Room

General Requirements:

- Can be used as Gifted and Talent or ELL classroom.
- Provide an area to accommodate 3 workstations with additional area for material storage. Allow for direct access and window supervision into the hallway.
- Shared space for 12 students

Casework Criteria:

- Provide (2) 48 x 84 storage units.
- Provide (1) 36 x 84 tall cabinet for teacher storage.
- Provide 3 workstations with 1 sink per station with 6 lineal of counter per workstation.

Furnishings Criteria:

- Waste baskets, by Owner.
- Teacher desk and chair

Equipment Criteria:

- Phone handsets, by Owner.
- Conference Tables and Chairs, by Owner
- 12 lineal feet of marker board and 4 lineal feet of tack board.

Signage Criteria:

- Provide ADA acceptable room identification and exit signs as required.

Mechanical/Plumbing Criteria:

- Provide ADA compliant sink assembly per workstation.

G. Janitor Closet

General Requirements:

- Strategically located janitor closets to maximize their efficiencies to the Instructional Suite. Provide adequate space for assigned equipment such as vacuum sweepers and custodial portable caddies.
- Provide in each custodial closet a 24" x 24" floor mounted service sink with heavy-duty faucet set with 48" high wainscot of reinforced fiber panel (RFP) around service sinks.

Equipment Criteria:

- Walls mounted broom and mop rack, by Owner.
- Metal utility shelving, by Owner.
- Soap/Cleaner dispenser, by Owner.

Signage Criteria:

- Provide ADA acceptable room identification sign.

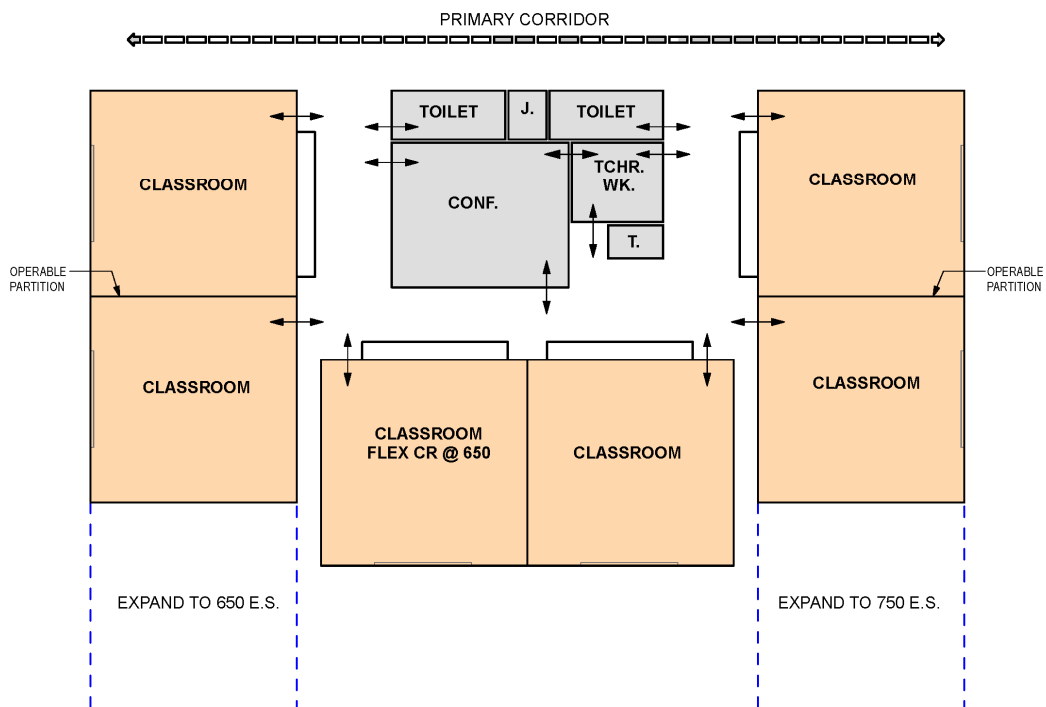
Summary of Program Space:

1st and 5th Grade Instructional Area – 575 Students								
General Classroom	15 @	900	13,500		15 TS	24	360	
Flex Classrooms	3 @	900	2,700		3 TS	24	72	
Student Toilets	5 @	150	750					
Staff Toilets	5 @	50	250					
Book Storage/Work Room	5 @	200	1,000					
Conference Room.	3 @	700	2,100					
Total			20,300		18 TS		432	
1st and 5th Grade Instructional Area – 650 Students								
General Classroom	20 @	900	18,000		20 TS	24	480	
Student Toilets	5 @	150	750					
Staff Toilets	5 @	50	250					
Book Storage/Work Room	5 @	200	1,000					
Conference Room.	3 @	700	2,100					
Total			22,100		20 TS		480	

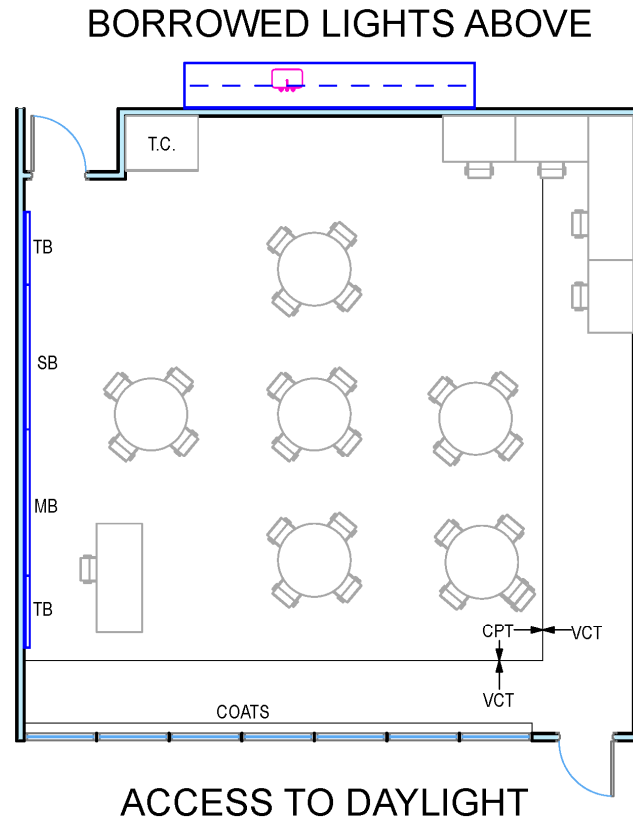
1st and 5th Grade Instructional Area – 750 Students								
General Classroom	20 @	900	18,000		20 TS	24	480	
Student Toilets	5 @	150	750					
Staff Toilets	5 @	50	250					
Book Storage/Work Room	5 @	200	1,000					
Conference Room.	3 @	700	2,100		3 TS	24	72	
Total			22,100		23 TS		552	

* Square footage for Janitor Closets is calculated in Building Services Section.

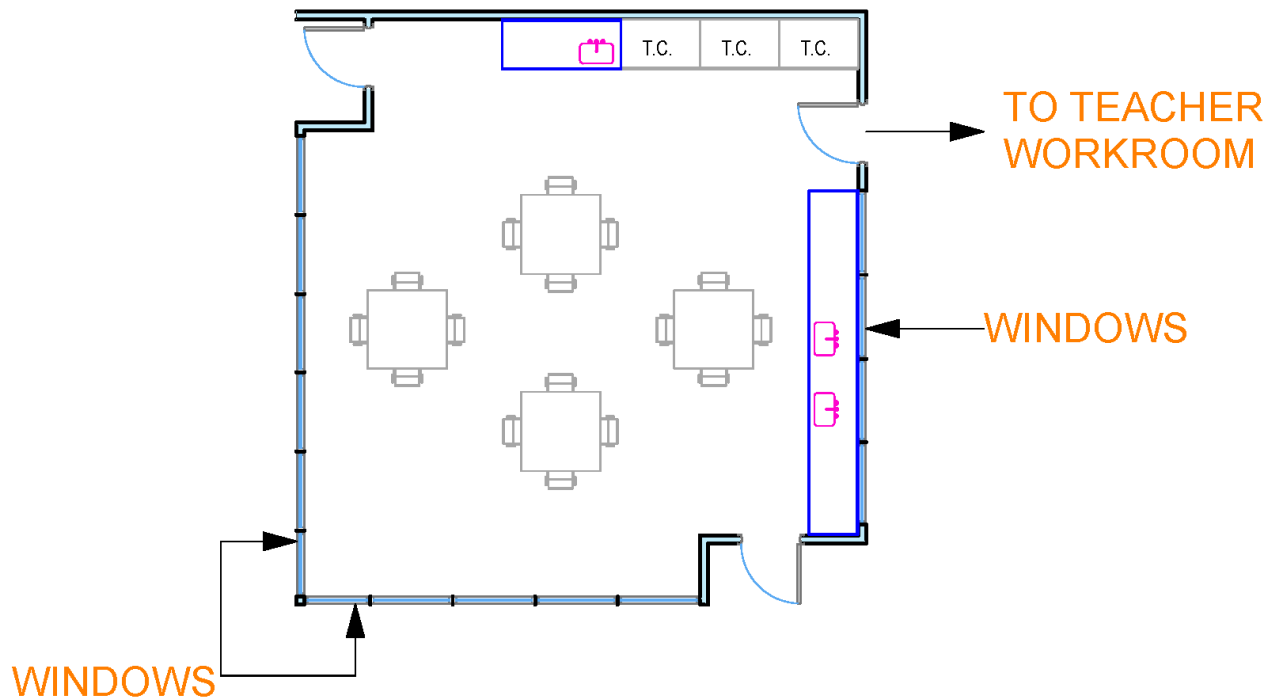
Adjacency Diagram:



Typical Classroom:



Conference Room:



PRESCHOOL & KINDERGARTEN

Space Description:

This building program has been developed based upon classrooms designed to accommodate the spaces for Preschool and Kindergarten.

- A. Preschool Classrooms
- B. Kindergarten Classrooms
- C. Staff Toilets
- D. Teacher Workroom
- E. Janitor Closet
- F. Data Closet

Design Criteria:

A. Preschool Classroom

General Requirements:

- Provide two (2) classrooms for half day preschool.
- Locate the classrooms adjacent to the Kindergarten rooms and in close proximity to the 1st and 2nd grade classrooms.
- Provide maximum window area from classroom into the hallway with window blinds for privacy.
- Provide direct access to the exterior from each of the classrooms.
- Provide a coat area along one side of the classroom to facilitate entrance from the exterior or for the interior corridor.
- Provide an ADA accessible toilet room within the classroom.
- Provide natural daylight into all classroom spaces. Provide window coverings to reduce light level to 5-foot candles for A/V presentations.
- Wherever possible provide sidelights at classroom doors.

Casework Criteria:

- Provide coat hooks for 30 coats and adequate space for storage of backpacks. Provide personal cubbies along the top shelf of the coat area for gloves and other personal items of the students
- Provide a minimum 16 l.f. of 30 "deep open base cabinets, at a height of 30".
- Provide 1 ea. 36" wide by 66" (max.) tall wardrobe with grommets, video hook-ups, and outlets to accommodate a TV on top and a VCR inside the unit. Casework shall be designed to be re-locatable.

Furnishings Criteria:

- Student desks and chairs by owner.
- Waste basket by owner.
- Toilet paper dispensers by Owner.
- Soap dispensers by Owner.
- Provide mirror units at sinks.

Equipment Criteria:

- TV monitor, by owner.
- Phone handset by owner.
- Provide a 4' x 12' marker board, with marker trays and a 4' x 8' tack board.

Signage Criteria:

- Provide ADA acceptable room identification and exit signs as required by the design of the facility.

- Provide 8.5" x 11" printed graphic and text illustrating fire exit pathway and tornado drill instructions for each classroom.
- Materials shall be submitted to the Owner for approval prior to installation.

Mechanical/Plumbing Criteria:

- Provide a sink in each classroom with a bubbler fountain.
- Provide accessible toilet facilities per each classroom.
- Provide floor drain.
- Provide adequate ventilation.

B. Kindergarten Classroom

General Requirements:

- Provide 3 to 4 classrooms, dependent on overall school size.
- Locate the classrooms adjacent to the Preschool rooms and adjacent to the 1st and 2nd grade classrooms.
- Provide maximum window area from classroom into the hallway with window blinds for privacy.
- Provide direct access to the exterior from each of the classrooms.
- Provide a coat area along one side of the classroom to facilitate entrance from the exterior or for the interior corridor.
- Provide an ADA accessible toilet room within the classroom.
- Provide natural daylight into all classroom spaces. Provide window coverings to reduce light level to 5-foot candles for A/V presentations.
- Wherever possible provide sidelights at classroom doors.

Casework Criteria:

- Provide coat hooks for 30 coats and adequate space for storage of backpacks. Provide personal cubbies along the top shelf of the coat area for gloves and other personal items of the students
- Provide a minimum 16 l.f. of 30 "deep open base cabinets, at a height of 30".
- Provide 1 ea. 36" wide by 66" (max.) tall wardrobe with grommets, video hook-ups, and outlets to accommodate a TV on top and a VCR inside the unit. Casework shall be designed to be re-locatable.

Furnishings Criteria:

- Student desks and chairs by owner.
- Waste basket by owner.
- Toilet paper dispensers by Owner.
- Soap dispensers by Owner.
- Provide mirror units at sinks.

Equipment Criteria:

- TV monitor, by owner.
- Phone handset by owner.
- Provide a 4' x 12' marker board, with marker trays and a 4' x 8' tack board.

Signage Criteria:

- Provide ADA acceptable room identification and exit signs as required by the design of the facility.
- Provide 8.5" x 11" printed graphic and text illustrating fire exit pathway and tornado drill instructions for each classroom.
- Materials shall be submitted to the Owner for approval prior to installation.

Mechanical/Plumbing Criteria:

- Provide a sink in each classroom with a bubbler fountain.
- Provide accessible toilet facilities per each classroom.
- Provide floor drain.
- Provide adequate ventilation.

C. Staff Toilet

General Requirements:

- Provide a single occupant handicap accessible toilet. Provide water closet and sink. Consideration should be given to the proximity of the doorway from adjacent spaces.

Equipment Criteria:

- Soap dispenser, by Owner.

Signage Criteria:

- Provide ADA acceptable room identification sign.

Mechanical/Plumbing Criteria:

- Provide floor drain.
- Provide adequate ventilation.

D. Teacher Work Room

General Requirements:

- Provide an area to accommodate large table and chairs with an additional area for common book and material storage.
- Locate adjacent to preschool and kindergarten classrooms.
- Internal windows should be provided with blinds.

Casework Criteria:

- Provide 16 l.f. x 30" deep base cabinets and 12" deep wall cabinets.
- Provide one 24" wide x 84" tall wardrobe unit.

Furnishings Criteria:

- Waste baskets, by Owner.

Equipment Criteria:

- Phone handsets, by Owner.
- Metal shelving racks, by Owner

Signage Criteria:

- Provide ADA acceptable room identification and exit signs as required.

E. Janitor Closet

General Requirements:

- Strategically located janitor closets to maximize their efficiencies to the Instructional Suite. Provide adequate space for assigned equipment such as vacuum sweepers and custodial portable caddies.
- Provide in each custodial closet a 24" x 24" floor mounted service sink with heavy-duty faucet set with 48" high wainscot of reinforced fiber panel (RFP) around service sinks.

Equipment Criteria:

- Walls mounted broom and mop rack, by Owner.
- Metal utility shelving, by Owner.
- Soap/Cleaner dispenser, by Owner.

Signage Criteria:

- Provide ADA acceptable room identification sign.

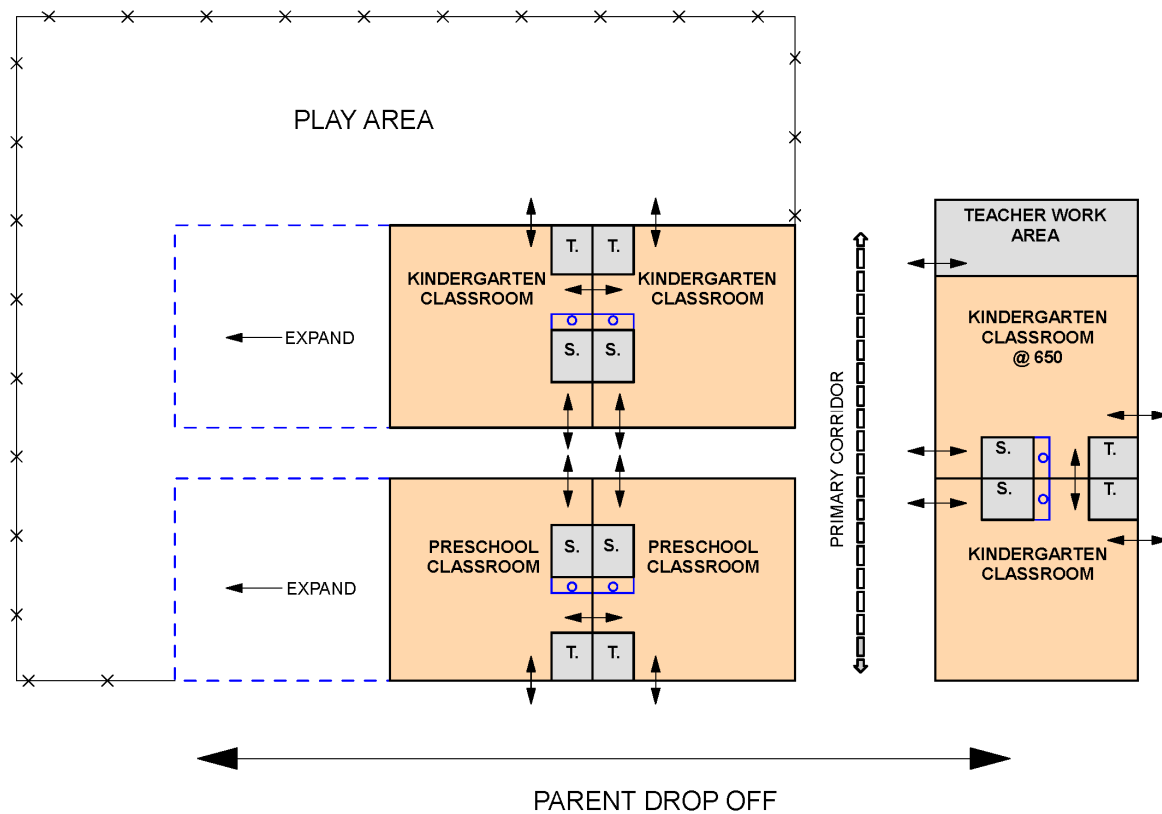
Summary of Program Space:

Preschool & Kindergarten – 575 Students									
Preschool Classroom	2	@	1000	2,000		2	TS	36	72
Kindergarten Classroom	3	@	1000	3,000		3	TS	24	84
Teacher Work Room	1	@	350	350					

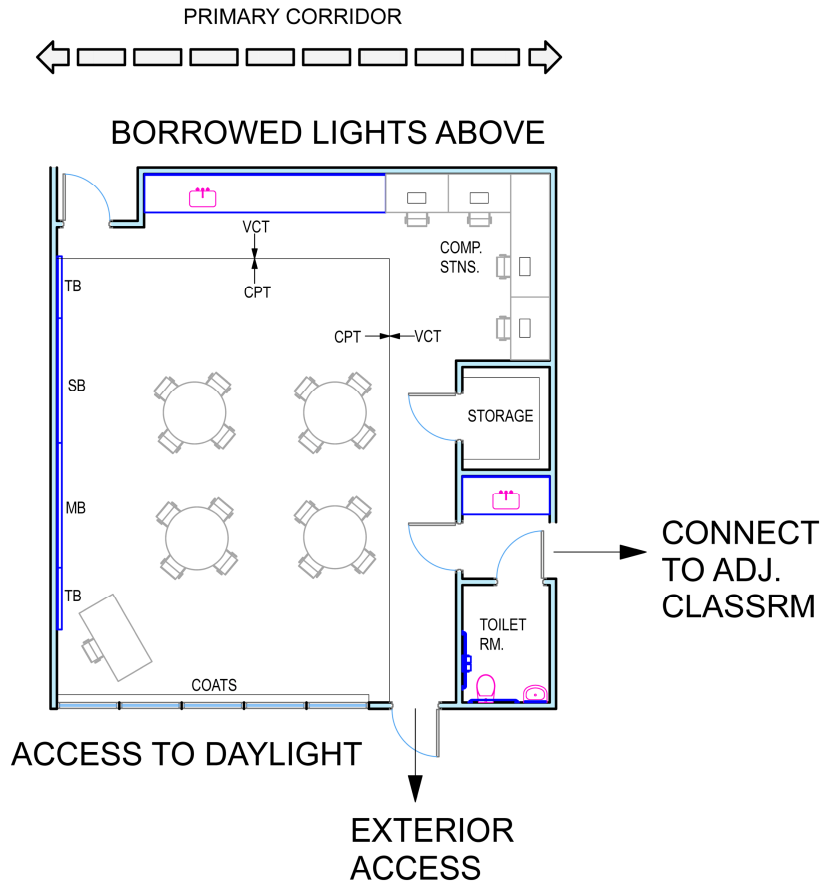
Preschool & Kindergarten – 650 & 750 Students									
Preschool Classroom	2	@	1000	2,000		2	TS	36	72
Kindergarten Classroom	4	@	1000	4,000		4	TS	24	96
Teacher Work Room	1	@	350	350					

* Square footage for Janitor and Data Closets are calculated in Building Services Section.

Adjacency Diagram:



Typical Preschool/Kindergarten Room:



MUSIC

Space Description:

Music facilities should provide a learning environment that reflects the exploratory nature of programs offered at the elementary school level. Facilities should be provided to accommodate instrumental and vocal programs. Due to the acoustical nature of these spaces, consideration should be given to its proper location within the facility. The music area should be in close proximity to the Stage, Cafeteria and Gymnasium.

The Music area is organized around the following spaces:

A. Music Classroom

Design Criteria:

A. Music Classroom

General Requirements:

- Plan on a range of 30 to 40 students.
- Music Room should be in close proximity to the Stage, Cafeteria, and Gymnasium.
- Design and construction features should maximize acoustical isolation of music activities from surrounding areas.
- Ceiling heights shall be a min. of 12'.
- Room should be designed with a flat carpeted floor for flexibility and "free" movement, singing, playing instruments, marching, etc.
- Mobile risers are preferred and must have 4 ft. width minimum for students standing and a chair.
- Provide adequate storage space for school purchased portable risers.
- Provide natural light with a view window.
- Visual display boards are to be adjacent to the entry doors.

Casework Criteria:

- Provide one wall (12-18 lineal feet) with 36" deep floor to ceiling cabinets with lockable doors for instrument, book and material storage.
- Provide one 36" wide wardrobe cabinet.
- Provide 12 lineal feet of 18" deep book shelves adjacent to the entry doors.
- Provide one flat folio file cabinet for posters.

Furnishings Criteria:

- Portable risers, by Owner
- Chairs (without arm) and music stands, by Owner

Equipment Criteria:

- Provide 4x4 tack board.
- Provide 4x8 marker board with staffed markings.
- Provide "Smart" board system as in all general classrooms.
- A wireless sound amplification and recording system, independent of the public address system, in a separate locked cabinet. Good speakers are essential.

Signage Criteria:

- Provide ADA acceptable room identification and exit signs as required by the design of the facility.
- Provide 8.5" x 11" printed graphic and text illustrating fire exit pathway and tornado drill instructions for each classroom.

- Materials shall be submitted to the Owner for review prior to installation.

Acoustical Criteria:

- Provide adequate separation from adjacent spaces.
- Acoustical treatment should be provided which creates an appropriate reverberant environment for both vocal and instrumental music.
- Provide adequate door hardware to assure acoustical separation from adjacent spaces.

Mechanical/Plumbing Criteria:

- Design ductwork to mitigate sound transfer from adjacent spaces.
- Provide drinking fountain within classroom.
- Provide sink with a bubbler within the classroom.

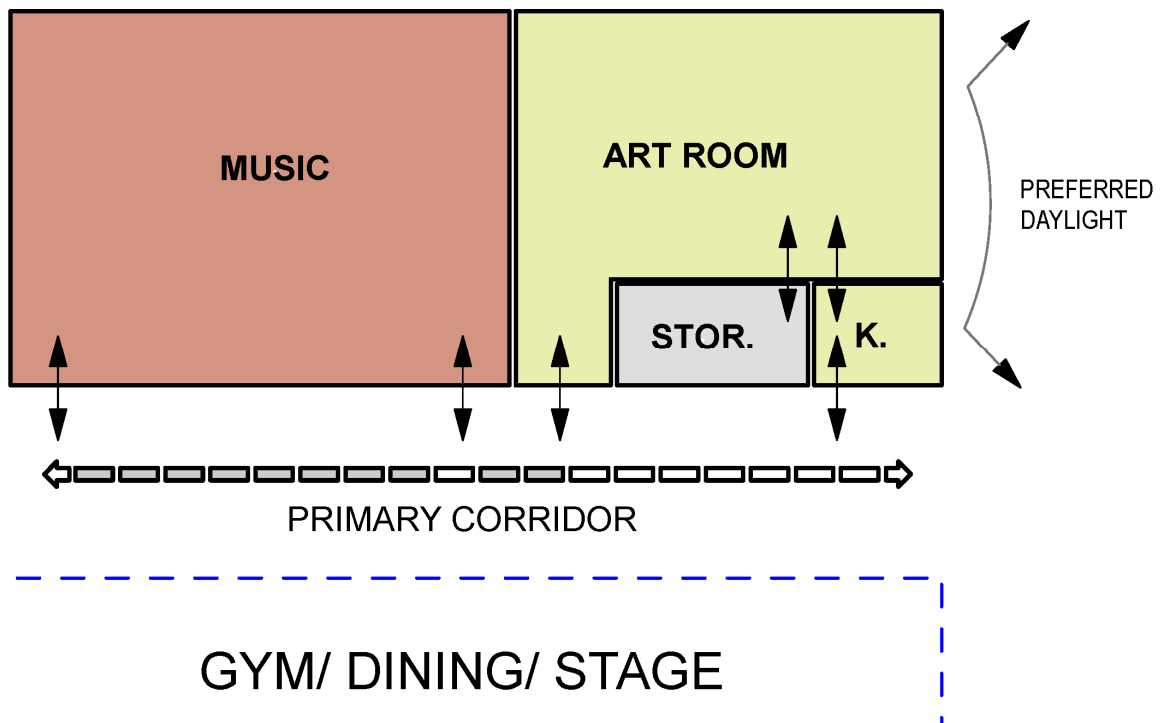
Electrical Criteria:

- Provide wire mold to accommodate 32 computers/pianos within the classroom.

Summary of Program Space:

MUSIC									
Music Classroom	1	@	1200	1200		0	TS	28	0
	Subtotal			1,200	S.F.	0	TS		0

Adjacency Diagram:



ART

Space Description:

Art facilities should provided a learning environment that reflects the nature of programs offered at elementary school level. Facilities should be provided to accommodate two-dimensional and three-dimensional projects. Spaces should be clustered to maximize effectiveness of storage areas and sharing of resources. Due to potential of after-hour use, consideration should be given to their proper location within the facility. The art area should be close to exterior access and capacity to display student's art work in the library, cafeteria, hallways and main office is to be provided.

The Art area is organized around the following spaces:

- A. Art Classroom
- B. Art Storage
- C. Kiln Room

Design Criteria:

A. Art Classroom

General Requirements:

- Art classroom should be adjacent to storage and teacher work areas to maximize shared resources/materials.
- Room should be orientated to optimize daylighting (north light preferred). Proper daylighting control should be provided for all windows or light monitors.
- Provide floor drain (with clay traps) at sink locations and at pottery wheel locations to facilitate easy cleaning.
- Provide a 3' deep by 6' wide, closet for material storage with shelving to accommodate art materials and paper stock.
- Provide vinyl wall covering on two walls.

Casework Criteria:

- Provide 12 l.f. of 36" deep base cabinets and 12" deep wall cabinets.
- Provide folio storage unit that is set up for 5 columns across and 4 rows high.
- Provide four (4) 36" wide x 24" deep shelving units for student's 3D work.
- Provide one (1) 36" wide wardrobe cabinet.
- Provide 1 computer workstation to facilitate the use of computer generated graphics and research. Top of work surface shall be 28" AFF.
- Provide wet clay storage unit in classroom.
- Provide for TV monitor, located at the front instructional wall.
- Provide ceiling mounted projector and document camera.

Furnishings Criteria:

- Provide space for a drying rack with mesh shelves for flatwork, by Owner.
- Welded stools for workstations and counters, by Owner
- Five (5) 4' x 6' x 36" high worktables and one teacher demonstration table, by Owner
- Wedging table, by Owner

Equipment Criteria:

- Provide 4x12 "Lightning" board.
- One (1) pottery wheel, by Owner
- One (1) 24" x 48" slab roller, by Owner
- One (1) clay extruder mounted 24" above finish floor, by Owner.

Signage Criteria:

- Provide ADA acceptable room identification and exit signs as required by the design of the facility.
- Provide 8.5" x 11" printed graphic and text illustrating fire exit pathway and tornado drill instructions for each classroom.
- Materials shall be submitted to the Owner for review prior to installation.

Mechanical/Plumbing Criteria:

- Ventilation systems shall be design to accommodate the use of art materials and associated fumes.
- Provide two (2) double compartment stainless steel sink for each classroom. Sink dimensions shall be 84" long x 24" wide with 12 " backsplash, basin to be 36" long by 21 inches wide and 12" deep, including 24" drain boards at each end of basin.
- Provide one (1) china hand sink.
- Provide clay trap at all sinks.

Electrical Criteria:

- Removable net electrical drop-cords are required over student worktables and pottery wheels.
- Provide outlets spaced at 8'0" o.c on perimeter walls.

B. Art Storage

General Requirements:

- Storage shall be provided for art materials, for instructional and student use.
- Storage shall be provided for student projects and personal art folios.

Casework Criteria:

- Provide four (4) sections of flat storage cabinets, 38" wide by 26" deep by 36" high with six adjustable shelves for flat art.
- Provide three (3) sections of vertical storage with non-adjustable shelves spaced at 3" apart. Each unit shall be 48" wide by 36" deep by 84" high, with two levels within each unit.

C. Kiln Room

General Requirements:

- Provide one (1) electric kiln. Locate minimum 18 inches from non-combustible wall and 36 inches from a combustible wall. Maintain 30 inches clear at the control side of the kiln.
- Provide access into kiln room from Art Classroom and adjacent corridor.

Casework Criteria: none

Furnishings Criteria:

- Provide space for four (4) 24" deep by 36" wide by 84" high metal shelving units, to be provided by Owner.

Equipment Criteria:

- Provide one (1) electric kiln, by Owner.

Signage Criteria:

- Provide ADA acceptable room identification sign.

Mechanical/Plumbing Criteria:

- Provide separate systems for kiln vent, which must extend vertically out of the space.

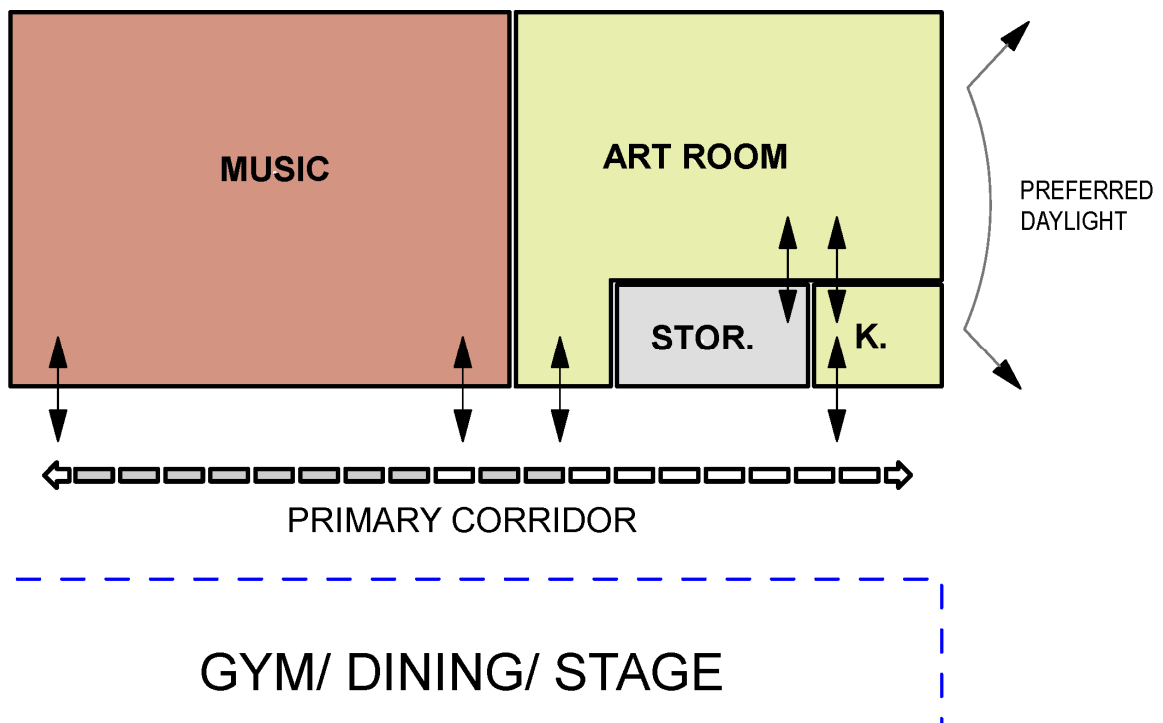
Electrical Criteria:

- Provide dedicated 220V circuit for kilns.

Summary of Program Space:

ART									
Art Classroom	1	@	900	900		0	TS	28	0
Art Storage	1	@	150	150					
Kiln Room	1	@	100	100					
Subtotal				1,150	S.F.	0	TS		0

Adjacency Diagram:



PHYSICAL EDUCATION

Space Description:

The physical education program will provide a variety of activities that will enhance both individual and group participation in the development of physical skills, positive social attitude and individual responsibilities. The program will stress both indoor and outdoor sports and recreational activities. Due to the potential after-hour use of the Gymnasium, consideration should be given to the ability to secure portions of the building. A secondary entrance should be provided as an alternate entrance for the gymnasium. The gymnasium should be adjacent to the dining/stage space to serve as seating area for events. If the gymnasium is to be used by outside entities for competitive sports, an additional 3,000 s.f. must be added to the gym. The Physical Education area is organized around the following spaces:

- A. Gymnasium
- B. Office/Locker
- C. P.E. Storage
- D. Community School Storage
- E. Hard Court, Field and Event Areas

Design Criteria:

A. Gymnasium

General Requirements:

- Locate in close proximity to public toilet rooms and Cafetorium.
- Plan for 30 - 35 students per class.
- Must be able to support all school assembly.
- Provide a main court area of 45' x 74', with 10' run out at end lines and 6' at sidelines. Provide 25' min. ceiling height or clearance to structure.
- Provide two (2) practice courts of 30' x 37' with 4 ft. run outs on the ends.
- Provide main volleyball court.
- Provide wood floor.
- Provide traverse climbing wall (8 ft. height maximum).
- Provide natural light.

Equipment Criteria:

- Provide two (2) electrically operated height adjustable basketball backstops at the main court.
- Provide four (4) fixed basketball backstops at the 2 practice courts.
- Provide wall and corner pads as required. Bottom of pad to be just above base.
- Provide cargo nets, ropes and volleyball standards, by Owner.
- Provide 4' x 4' tack board.

Signage Criteria:

- Provide ADA acceptable room identification and exit signs as required by the design of the facility.
- Provide 8.5" x 11" printed graphic and text illustrating fire exit pathway and tornado drill instructions for each classroom.
- Materials shall be submitted to the Owner for review prior to installation.

Acoustical Criteria:

- Gymnasium acoustics should be addressed through the use of acoustical metal deck and acoustical perforated block walls. The use of acoustical

panels is discouraged.

Mechanical/Plumbing Criteria:

- Provide recessed drinking fountain within the gym.

Electrical Criteria:

- Metal switch and outlet cover plates and locking metal covers on all light switches and backstop raising switches are required.
- Provide guards for all smoke detectors, lights, etc.
- Provide wireless sound system with wireless microphones.
- Provide separate audio enhancement system for instruction.

B. Office/Locker

General Requirements:

- Provide an office area directly adjacent to the Gym with access the directly into the Gym.
- Provide a widow into the gymnasium for supervision.
- Provide a separate locker/toilet area within the office containing:
 - One (1) 12”w x 72”h high wardrobe locker.
 - Space for dressing and an accessible private shower, water closet and lavatory.

Casework Criteria:

- Provide 5’ work surface with 18” wide file drawer. Work surface shall be 30” AFF.

Furnishings Criteria:

- Chairs, by Owner
- Waste basket, by Owner

Equipment Criteria:

- Provide 4x4 marker board.

Signage Criteria:

- Provide ADA acceptable room identification and exit signs as required by the design of the facility.

C. P.E. Storage

- Provide PE equipment storage directly adjacent to the main Gymnasium.
- Provide a pair of 3’w x 7’ h doors to facilitate movement of large apparatus, mats, and sports equipment.
- Provide a pair of 3’w x 7’ h doors leading directly outside from the storage room.
- Shelving provided by Owner.

D. Community School Storage

- Provide Community School equipment storage directly adjacent to the main Gymnasium.
- Provide a 3’w x 7’ h door to facilitate movement of sports equipment.
- Shelving provided by Owner.

E. Hard Court, Field and Event Areas

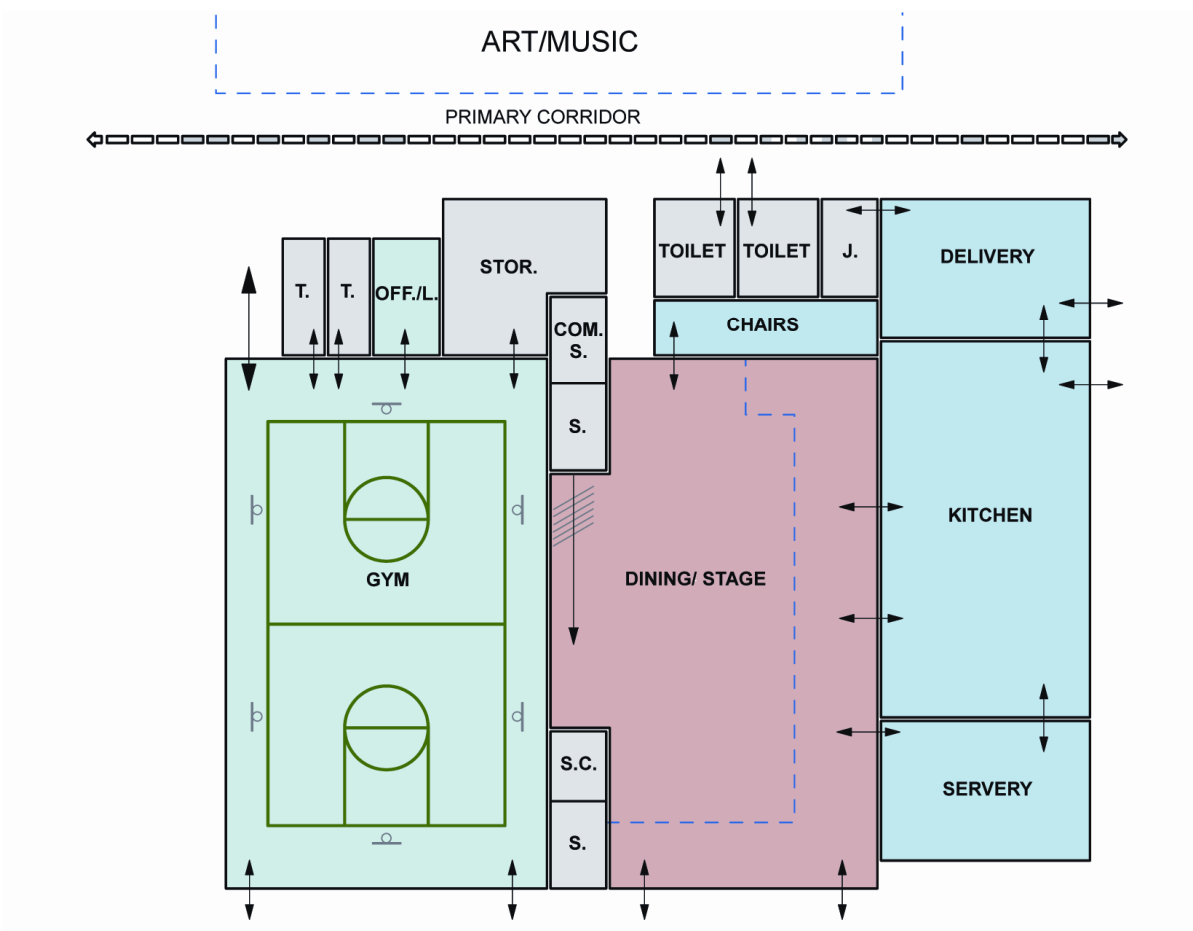
- Provide a total of four (4) multi-use courts (one per 140 students), striped for volleyball and half court basketball with the following equipment for each:

- 48" cantilever goose neck type basketball goals with chain nets.
- At the courts provide 4' h chain link enclosure fence with two (2) 3' wide openings, to provide ball control. Fence may require 6'h depending upon specific layout of adjacent spaces.
- Provide a two (2) softball fields. Backstops should be 18' by 20' wide and with 10' wide wings; located 20' back from home plate. Foul lines should be 200' long.
- Provide a multi-purpose field, sized 160' x 360', with a preferred north/south orientation along the long axis of the field, within the track. Note that P.E. fields are to be separate from the recess fields.

Summary of Program Space:

PHYSICAL EDUCATION								
Gymnasium	1 @	3500	3500			0 TS	32	0
Office/Locker	1 @	160	160					
P.E. Storage	1 @	200	200					
Community School Storage	1 @	100	100					
Subtotal			3,960	S.F.		0 TS		0

Adjacency Diagram:



SPECIAL EDUCATION

Space Description:

The educationally disabled program provides instruction for students with special needs and moderate to severe handicaps. Most students in the program spend part of their instructional day in the general classrooms and part in the educationally disabled student classroom receiving specialized instruction for specific disabilities. The class size is generally 8-12 students.

The Special Education area is organized around the following spaces:

- A. Special Needs Classroom
- B. SE Storage
- C. SE Changing Room/Toilet
- D. SE Staff Office/Workroom
- E. SE Itinerate Office

Design Criteria:

A. Special Needs Classroom

General Requirements: Classroom should be centrally located and in close proximity to direct exterior access. Instruction will be provided at tables or desk for individuals and small groups. Provide an accessible double compartment sink. Provide area of wheelchair storage.

Casework Criteria:

- Provide a minimum of 16' of base and wall cabinets. Counter depth should be a min. of 30".
- Provide a TV monitor, located at the front instructional wall.

Furnishings Criteria:

- Table and chairs, by Owner

Equipment Criteria:

- Provide a 4x16 marker board and a 4x4 tack board.
- Chair hoist, by Owner

Signage Criteria: Provide

- ADA acceptable room identification and exit signs as required by the design of the facility.
- Provide 8.5" x 11" printed graphic and text illustrating fire exit pathway and tornado drill instructions for each classroom.
- Materials shall be submitted to the Owner for review prior to installation.

B. SE Storage

General Requirements:

- Room should be directly adjacent to the Special Needs Classroom with a min. of 3' wide door.
- Provide room for shelving and space for wheel chairs, exercise equipment, etc.

Furnishings Criteria:

- 36" wide x 12" deep x 72" high metal shelving, by Owner

Signage Criteria:

- Provide ADA acceptable room identification sign.

C. SE Changing Room/Toilet

General Requirements:

- Room should be directly adjacent to the Special Needs Classroom with a min. of 3' wide door.
- Provide space for a changing table and tall storage unit.
- Room should be designed to accommodate a wheelchair and two individuals. Room shall have an accessible sink, water closet and shower compartment. Provide a floor drain to facilitate cleaning.
- Provide call button as required by the District.

Casework Criteria:

- 36" wide tall storage unit, with 5 shelves.

Furnishings Criteria:

- Changing table, by Owner

Signage Criteria:

- Provide ADA acceptable room identification sign.

Acoustical Criteria:

- Provide sound isolation wall construction consistent with adjacent wall construction.

D. SE Staff Office

General Requirements:

- Locate staff office in a manner to maximize supervision of classroom and encourage teacher student interaction. Provide a min. of 4x4 observation window into classroom.
- Provide doors with view light for supervision.
- Locate doorway to allow easy access into the classroom space

Casework Criteria:

- Provide one (1) 6'-0" wide workstations, counter depth at workstation should be 30".
- Provide two (2) 18" wide drawer unit for personal use.
- Provide 36" wide by 84" tall storage cabinet for coat storage.

Furnishings Criteria:

- Task chairs, by Owner.
- Conference table that seats 6, by Owner

Equipment Criteria:

- Provide a 4x6 marker board and a 4x4 tack board.
- Provide computer at workstation and one printer, by Owner.

Signage Criteria:

- Provide ADA acceptable room identification sign.

E. SE Itinerant Office

General Requirements:

- Provide multi-purpose space for itinerant specialist use (school psychologist, speech therapist, occupational therapist, social worker, etc.). Office should

be in close proximity to the teacher workroom/storage and the counseling/reception area. Offices require doors with adjacent sidelights to maintain visual supervision. Rooms shall accommodate desk space and two side chairs. Supplemental storage within the room is to be provided.

Furnishings Criteria:

- Desk, chairs and conference table, by Owner.
- Lateral files, by Owner.

Signage Criteria:

- Provide ADA acceptable room identification sign.

Acoustical Criteria:

- Due sensitive nature of the interactions within these spaces appropriate acoustical separation is required.

G. SE Resource Room

General Requirements:

- Provide multi-purpose space for meetings and group study. Resource Room should be in close proximity to the staff office and the classrooms. Resource Room requires doors with adjacent sidelights to maintain visual supervision. Rooms shall accommodate conference table and chairs. Supplemental storage within the room is to be provided.

Casework Criteria:

- Open bookshelves.

Furnishings Criteria:

- Chairs and conference table, by Owner.

Signage Criteria:

- Provide ADA acceptable room identification sign.

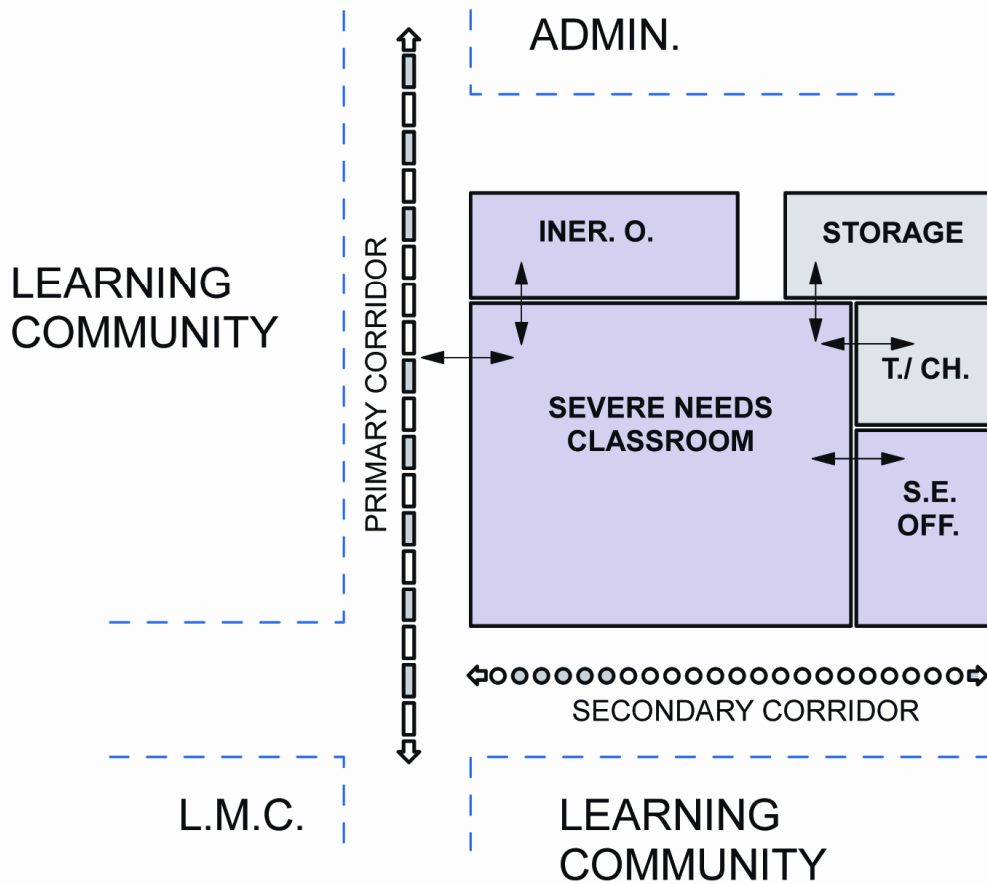
Acoustical Criteria:

- Due sensitive nature of the interactions within these spaces appropriate acoustical separation is required.

General Summary of Program Space:

SPECIAL EDUCATION									
Severe Needs Classroom	1	@	1,100	1,100		1	TS	10	10
SE Storage	1	@	200	200					
SE Changing Rm./Toilet	1	@	150	150					
SE Staff Office	1	@	250	250					
SE Itinerant Office	1	@	250	250					
Subtotal				1,950	S.F.	1	TS		10

Adjacency Diagram:



LIBRARY MEDIA CENTER

Space Description:

The Library Media Center (LMC) is an integral part of the instructional programs. As an integral part of the instructional team, the media specialist will provide planning assistance and material for the entire faculty. The LMC provides space for students to engage in the multiple learning resources (computer based, hard copy research, audiovisual, etc.). The LMC should be located central to the classroom areas and the teacher work areas to promote an active relationship between student and faculty. Additionally, consideration should be given to locating the LMC to allow after-hour use by both District personnel and community. The design should allow for maximum flexibility in order to serve the needs of students, staff, population growth and changing technologies.

Consultants are encouraged to consider the following design issues early in the design process and work closely with the District LMC Specialist.

- Open welcoming design of the space.
- Provide ample display area for student art work.
- Maintain 60" clearance between furniture and stacks and 36" between stacks.
- Limit number of entries, provide clear pathway to exits.
- Acoustical treatment of surfaces to dampen sound generation
- Provide natural light and view windows. Carefully weight the amount of large windows that will impact wall area for stacks.
- Double sided shelving units should not exceed three tier shelving units (approx. 43" AFF).
- Lighting should be laid out to maximize illumination of isle between shelving units.

The Library Media Center is organized around the following spaces:

- A. Instructional Seating/Stack Area
- B. Periodical Storage
- C. AV Storage
- D. Librarian Office
- E. Workroom
- F. Staff Toilets

Design Criteria:

A. Instructional Seating / Stacks Area

General Requirements:

- This area will provide student use of the library, which will include two separate instructional groups of tables, to accommodate 35 students each, study carrels and informal seating area. The two instructional areas should be considered teaching stations with appropriated voice, data, projection and televisions with marker boards.
- The LMC should be provided with a main entrance directly from the main corridor with a secondary exit to accommodate code requirements.
- The LMC should be centrally located to the academic areas. The Media Center should be designed and equipped such that as many functions as possible are computerized. Provide 35 computers in the classroom areas. Networking with other libraries and information sources must be considered.
- Include space for six (6) computer workstations that will accommodate the library catalog as well as other databases used for reference and research. Workstations shall be a combination of stand up and sit down workstations. Allowing one station to meet ADA accessibility requirements.
- Provide shelving to accommodate 20 books per student with a 33% spare

capacity. The shelving should be predominately perimeter shelving with some interior shelving units. For planning purposes use 1.25 inches for each volume to determine shelving requirements. All shelving along walls is to be full height and shelving in the interior of the room is not to exceed 43" in height.

- A circulation desk will be provided with two (2) transaction counters and integral book drop. The circulation desk should be designed based upon a modular library furniture manufacturer. It is recommended that the library layout be reviewed and coordinated with the District Media Specialist. Provide an area adjacent to the circulation desk to accommodate a copying machine for student use with staff supervision.
- Provide rough-in services to facilitate the future installation of book theft equipment. Coordinate rough-in requirements to meet specifications for District standard equipment.
- Provide visual access to all areas of the LMC for supervision from the circulation desk.
- Wireless phone system is required for Librarian and Technicians to allow for better supervision of the LMC.

Furnishings Criteria:

- Library shelving, by Owner
- Circulation desk, by Owner
- Research workstations, by Owner
- Tables, chairs and informal seating, by Owner

Equipment Criteria:

- Provide two locations for Smart Boards, projection screens, 4x12 marker boards and 4x4 tack boards,
- Book theft detection equipment, to be provided by Owner.

B. Periodical Storage

General Requirements:

- The area will provide the storage and retrieval of periodicals and software. The periodical storage room should be adjacent to the circulation desk. Provide adequate space and configuration for efficient shelving layout.

C. AV Storage

General Requirements:

- The room provides a centralized location for circulation storage and retrieval of AV equipment and supplies. Provide space for minor repairs and testing. Room should be adjacent to the circulation desk and have direct access to a corridor.

Casework Criteria:

- Provide a min. of 6' long work counter, 36" AFF.

D. Librarian Office

General Requirements:

- The Librarian office should be adjacent to the circulation desk and have visual supervision of the instructional areas and the main entrance. Provide area for desk, lateral file, and two side chairs.

E. Workroom

General Requirements:

- The workroom shall be directly located behind the circulation desk and will be used as a work area for staff and student aides to perform task such as book repair, typing, copying, collating, dry mounting and laminating.
- Provide base and upper cabinets along perimeter of room. Provide 30" deep counters to accommodate equipment such as laminator, paper cutter, etc. Provide large single compartment sink.

Casework Criteria:

- Provide a combination of cabinets with lockable doors and open shelving. Provide three (3) 24" wide drawer units.

F. Staff Toilets

General Requirements:

- Provide a single occupant handicapped accessible toilet room for each gender. Access toilets from the work room.

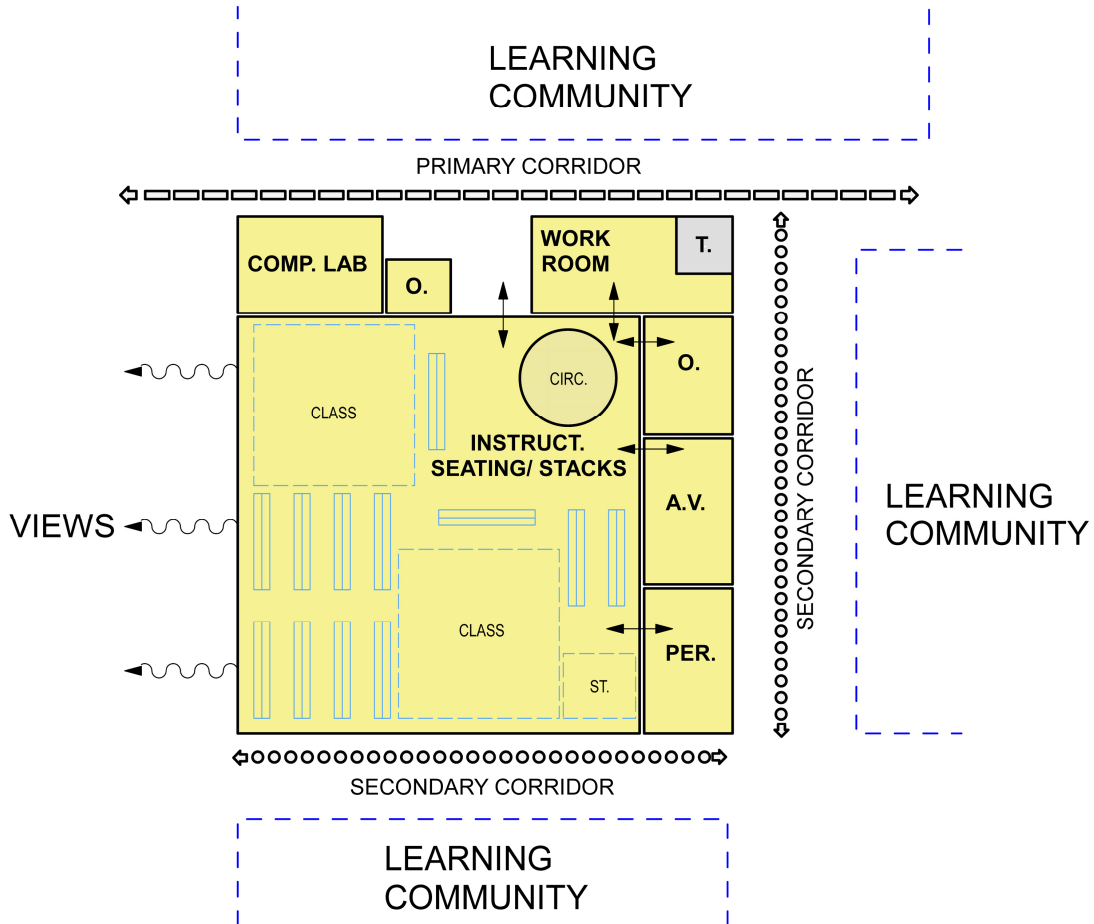
Signage Criteria:

- Provide ADA acceptable room identification sign.

Summary of Program Space:

LIBRARY MEDIA CENTER							
Instructional Seating/Stacks	1 @	2500	2500				
Periodical Storage	1 @	200	200				
AV Storage	1 @	200	200				
Office	1 @	120	120				
Workroom	1 @	300	300				
Staff Toilets	1 @	50	50				
Subtotal			3,370	S.F.	0	TS	0

Adjacency Diagram:



COMPUTER LAB

Space Description:

The Computer Lab is a component of the curriculum used to instruct student's basic keyboard skills and software knowledge.

The Technology area is organized around the following spaces:

- A. Computer Lab
- B. Office/Storage

Design Criteria:

A. Computer Lab

General Requirements:

- Computer lab should be designed with a flat floor and should enable a configuration for students to receive instruction and operate effectively at the CPU workstation.
- Provide floor space and workstations for 32 students. For ease of configuration, school purchased portable computer tables should be used in lieu of built-in counters.
- Provide worksurface for peripheral equipment including two (2) printers, scanner, and CD-ROM players.
- Provide wall space for a 60" projection screen.
- Provide utilities for a ceiling mounted projector.

Casework Criteria:

- Provide 24" deep base cabinets by 6' long section of locking base cabinets with 12" deep upper wall cabinets.
- Provide a 5' tall AV cabinet for TV monitor, located at the front instructional wall.

Furnishings Criteria:

- Work tables and chairs, by Owner
- Waste baskets, by Owner

Equipment Criteria:

- Provide 4x16 markerboard and 4x4 tackboard.
- Projection Screen
- TV monitor, by Owner

Signage Criteria:

- Provide ADA acceptable room identification and exit signs as required by the design of the facility.
- Provide 8.5" x 11" printed graphic and text illustrating fire exit pathway and tornado drill instructions for each classroom.
- Materials shall be submitted to the Owner for review prior to installation.

Mechanical/Plumbing Criteria:

- The computer lab should provide a maintainable temperature of approx. 68 degrees.

Electrical Criteria:

- Provide electrical power to accommodate computers, printers and peripheral system hardware. Power should be provided via plugmold for student

- stations at perimeter walls and floor outlets at tables.
- Provide a master power switch at the wall near the teacher station.

Lighting Criteria:

- Provide a lighting pattern and fixtures that minimizes glare on monitor screens.
- Provide dual level lighting enabling 30 footcandles and 50 footcandles maintained at 36" AFF.

Technology Criteria:

- Provide data terminals at workstations with integral power and data plugmold.

B. Tech Office/Storage Area

General Requirements:

- Locate office area in a manner to maximize supervision of computer lab and easy access to the corridor without causing disruption to the computer lab.
- Provide doors with view lite for supervision.

Casework Criteria:

- Provide two (2) 5'-0" wide workstations, counter depth at workstations should be 30". Provide 18" wide drawer unit for personal use. Provide 36" wide by 84" tall storage cabinet for coat storage.
- Provide a 30" deep workcounter by min. of 6' long, with lockable base cabinets with wall cabinets above. Counter height shall be 36" AFF.

Furnishings Criteria:

- Provide chairs at workstations, by Owner
- Provide keyboard trays for workstations, by Owner

Equipment Criteria:

- Workstations shall be designed to accommodate CPU workstations.

Signage Criteria:

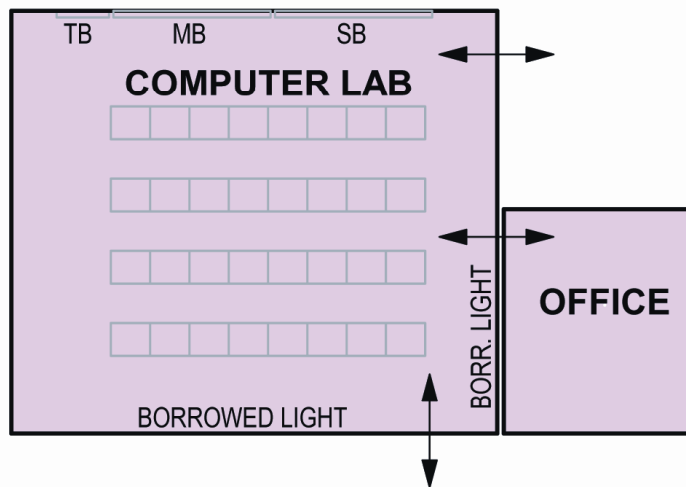
- Provide ADA acceptable room identification and exit signs as required by the design of the facility.

Summary of Program Space:

TECHNOLOGY									
Computer Lab	1	@	1200	1200			TS		
Tech Office/Storage	1	@	250	250					
Subtotal				1,450	S.F.		0	TS	0

Adjacency Diagram:

LEARNING COMMUNITY



L.M.C.

FOOD SERVICE/CAFETERIA/STAGE

Space Description:

The Food Service/Cafeteria/Stage spaces provide opportunities for social interaction of all users during the operations of the school. The space should be designed to create an inviting and responsive multi-purpose space that combines the activities of a cafeteria and meets the operational requirements of a stage. The Cafeteria/Stage will support food service activities, performing arts programs, musical programs, student assemblies and special before and after school programs. Direct access from the Cafeteria/Stage to the exterior hard court play area is desired.

The Food Service/Cafeteria/Stage area is organized around the following spaces:

- A. Cafeteria/Stage
- B. Servery
- C. Kitchen
- D. Stage Storage
- E. Chair Storage
- F. Stage Controls
- G. Community School Storage

Design Criteria:

A. Cafeteria/Stage

General Requirements:

- The cafeteria/stage area should be designed to accommodate 30% of the student capacity, plus an additional 10% and accommodate 75 students in stage configuration for performances. A preferred table layout would accommodate 60% round tables and 40% rectangular, assume seats are integral to the table. The Cafeteria/Stage will serve as a student activity area and must be flexible to house parties, pep rallies, dances, student council meetings, etc. Pay phones need to be located near the entrance.
- The space should be designed without a tiered floor. Provide adjacent chair and table storage during performances. Windows to the exterior are required. Minimum sill heights should not be lower than 24 inches. Due to the performance nature of the space, the ability to control daylight and acoustics within the space is mandatory.
- Provide a 35-45' wide proscenium opening with tracks, stage curtains and cyclorama curtains. Space should be provided in front of proscenium to accommodate off-stage activities. Height of the proscenium shall be a min. of 20' above stage platform.
- Provide operable partition at the proscenium opening to utilize the stage as a separate dining area while maintaining the use of the adjacent gymnasium.
- Wall areas are to be painted or covered to make the area visually appealing for middle school students. Ample displays for student art work should also be encouraged.
- A drinking fountain should be included within the dining area and restroom facilities must be provided near by.
- The dining area should be design to allow direct access onto exterior play areas, so those students may exit directly outside.
- District provides food service with some recyclable service ware and trays, there is a requirement for a dish return window.

- Provide a condiment bar with sink.
- Provide vending area for a new pilot program for meal vending.

Furnishings Criteria:

- Tables and chairs, by Owner
- Waste receptacles, by Owner
- Recycling receptacles, by Owner

Casework Criteria:

- 12 lineal feet of counter and base cabinet with sink

Equipment Criteria:

- Wall mounted Flat Screen TV bracket, two locations.
- Theatrical curtain tracks, stage curtains, and cyclorama curtains.
- The lighting system should include spotlights, light controls and dimmer system. Light controls should be located in the stage controls room at the rear of the audience area.
- Provide a large retractable projection screen.
- A sound amplification and recording system, independent of the public address system, is required.

Signage Criteria:

- Provide ADA acceptable room identification and exit signs as required by the design of the facility.
- Provide 8.5" x 11" printed graphic and text illustrating fire exit pathway and tornado drill instructions.
- Materials shall be submitted to the Owner for review prior to installation.

Acoustical Criteria:

- Acoustical treatment is required to produce low reverberation times and high sound absorption.

Lighting Criteria:

- Performance lighting for the stage is required and should include spotlights, light controls and dimmer system. Light controls should be located in the stage controls room at the rear of the audience area.

B. Servery

General Requirements:

- The servery is a space designated for the staging of students at servery lines. Foot traffic flow patterns need to be carefully located. The servery area should allow adequate flow of students into a defined space leading directly to the dining area.
- Consideration should be given to maintain visual supervision of service lines from point-of-sale locations.
- The servery should provide three (3) serving lines; the servery space will accommodate the point of sales feature for each. Provide phone lines and required power outlets to support this function.
- Servery design should provide efficiency for minimum kitchen staff. Arrange servery similar to sports stadiums or fast food serving counters.

Signage Criteria:

- Provide ADA acceptable room identification and exit signs as required by the design of the facility.
- Provide 8.5" x 11" printed graphic and text illustrating fire exit pathway and

- tornado drill instructions.
- Materials shall be submitted to the Owner for review prior to installation.

C. Kitchen

General Requirements:

- Unless otherwise directed, provide a preparation kitchen designed to meet the District Middle School prototype kitchen plan, encompassing a dishwashing and clean up area, food preparation area, freezer, cooler, dry storage, toilet and managers office. Provide metal lockers for personal items of staff. A closet to accommodate a stackable washer and dryer and janitor mop sink are required.
- The manager's office must provide sufficient space for a desk and workspace. The office should also provide a space for filing cabinets and other storage. Telephone and computer provisions should be provided.
- Locate kitchen adjacent to an exterior delivery area and screened trash pick-up/recycling area. Trash pick-up/recycling area is to include three (3) 6 yard dumpsters for recycling, (1) 6 yard dumpster for trash, and (1) 6 yard dumpster for composting. An exit door 3'-6" wide must be provided. Loading dock shall be a min. of 32" high, provide ramp access to grade. Consider orientation of the loading dock area to minimize weather-related conditions at the loading dock for early morning deliveries.
- Provide an air curtain at doorway leading to the loading dock.
- Loading Dock shall be 32" above asphalt drive. Provide space for two trucks. Consideration should be given to the orientation of the loading dock to prevent icing of the walk surfaces.

D. Stage Storage

General Requirements:

- Provide stage storage directly adjacent to the performance platform to accommodate the storage of stage props and equipment. Provide a double door to facilitate easy access. Provide a tub sink to facilitate clean up of stage sets.

E. Stage Controls

General Requirements:

- Provide control area for stage lighting and sound.
- Locate in the rear of the audience area.
- Locate several steps above audience to allow clear view of stage area.

Signage Criteria:

- Provide ADA acceptable room identification sign.

F. Chair Storage

General Requirements:

- Provide chair storage directly adjacent to the dining Cafetorium area. Provide a double door to facilitate movement of tables and chairs carts.
- Provide space to accommodate four (4) chair trucks (2'x10.5") and tables used in the dining area.

G. Community School Office Storage

General Requirements:

- Provide area for storage for community school items.
- Locate directly off of the cafetorium.
- Provide space for desk and file cabinet.

Casework Criteria:

- Provide 10 lineal feet base and wall cabinet.
- Provide one (1) 3 ft. wide tall cabinet with adjustable shelves.

Furnishings Criteria:

- Provide one (1) refrigerator, microwave, by Owner
- Provide desk and chair.
- Provide one (1) file cabinet.

Signage Criteria:

- Provide ADA acceptable room identification sign.

Mechanical/Plumbing Criteria:

- Provide double compartment sink with garbage disposal.

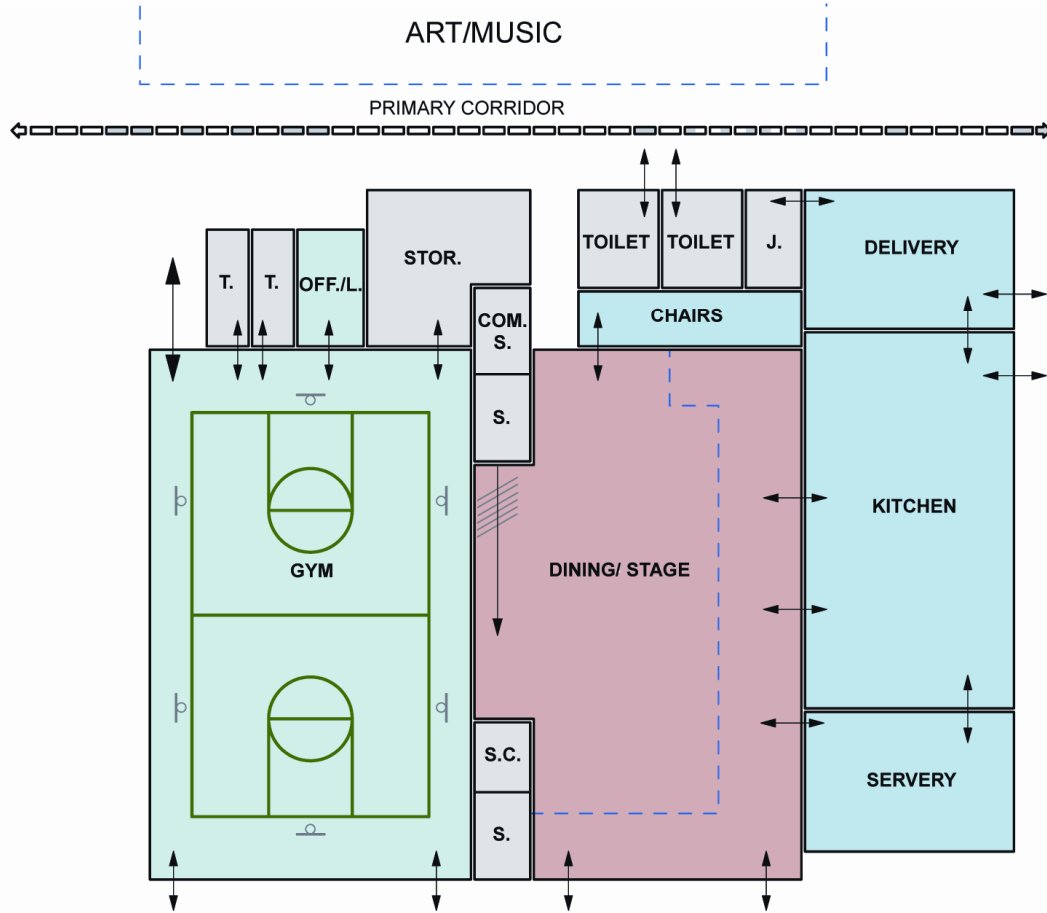
Electrical Criteria:

- Provide power for Owner provided appliances.

Summary of Program Space:

FOOD SERVICE/CAFETERIA/STAGE								
Cafeteria (215 students x 15 sf/student)	1	@	3,225	3,225				
Servery	1	@	600	600				
Kitchen	1	@	1,200	1,200				
Stage Storage	1	@	200	200				
Stage Controls	1	@	80	80				
Chair Storage	1	@	250	250				
Community School Office Storage	1	@	100	100				
Subtotal				5,655	S.F.	0	TS	

Adjacency Diagram:



ADMINISTRATION

Space Description:

The central administration area should be located near the main entrance to the school and should provide adequate space for personnel to conduct day to day school operations (i.e. bookkeeping/financial activities and other business associated with the parents, students, and faculty). Administration should have a main entrance with a secondary entrance for student disciplinary issues. The layout of the administration area should acknowledge the need to separate these needs.

The Administration area is organized around the following spaces:

- A. Principal Office
- B. Assistant Principal Office (for schools over 575 students)
- C. Counselor's Office
- D. Reception Area
- E. Conference Room
- F. Administration Workroom
- G. Volunteer Workroom
- H. Faculty Lounge
- I. Staff Toilet
- J. ISC Room
- K. Health Center
- L. Storage
- M. Records Room

Design Criteria:

A. Principal Office

General Requirements:

- The principal office should be located immediately off the central administration area but separated visually and acoustically. It is important the office has access to a secondary corridor and immediate access to a conference room. The main school entrance should be visible from the principal office for supervision.
- The space should accommodate a desk, credenza side chairs, and a 48" round conference table.

Furnishings Criteria:

- Desk, credenza, chair and conference table, by Owner

Signage Criteria:

- Provide ADA acceptable room identification sign.

Acoustical Criteria:

- Due to the sensitive nature of the interactions within these spaces appropriate acoustical separation is required.

B. Assistant Principal Office

General Requirements:

- The assistant principal offices should have direct access to the central office area and the main corridor and one should be located adjacent to the attendance office. Offices require doors with adjacent sidelights to maintain visual supervision. Rooms shall accommodate a desk and space for two side chairs.

Furnishings Criteria:

- Desk and chairs, by Owner.

Signage Criteria:

- Provide ADA acceptable room identification sign.

Acoustical Criteria:

- Due to the sensitive nature of the interactions within these spaces appropriate acoustical separation is required.

C. Counselor's Office

General Requirements:

- The counselor office should have direct access to the central office area and the main corridor and one should be located adjacent to the principal's office. Offices require doors with adjacent sidelights to maintain visual supervision. Rooms shall accommodate a desk and space for two side chairs.

Furnishings Criteria:

- Desk and chairs, by Owner.

Signage Criteria:

- Provide ADA acceptable room identification sign.

Acoustical Criteria:

- Due to the sensitive nature of the interactions within these spaces appropriate acoustical separation is required.

D. Reception Area

General Requirements:

- The administration area should be immediately identifiable from the main entrance. Seating for visitors waiting to meet with administrative personnel should be provided within the reception area. The traffic patterns should be such that faculty and staff are not encouraged to travel through the Administrative area to reach the workroom or staff mailboxes. The reception area will handle contact with the public, faculty and students.
- The reception area consists of a secretarial area (two support positions: a lead secretary, attendance secretary, health secretary, one Para-professional, and two (2) student aides). Provide power and data for CPU workstations at each workstation and allow for printer and fax machine.
- The waiting area should accommodate ten to twelve (10-12) people.
- The reception area is to be directly adjacent to the entry vestibule with direct access from the vestibule for control of visitor's to the building.
- The reception area should have visual supervision to the Health Center and direct access to the attendance and bookkeeping offices.
- Provide a 4x16 tackboard for posting of announcements and school events.
- Provide a separate alcove in the area adjacent to the principal's office for two (2) desks for school suspension.

Furnishings Criteria:

- Built-in workstations for the reception area are not recommended. The preference is for the school to purchase furniture systems, which can be easily reconfigured. Provide room to accommodate two (2) four drawer lateral

files.

Signage Criteria:

- Provide ADA acceptable room identification sign.

E. Conference Room

General Requirements:

- The conference room shall have close proximity to the principal's office and the assistant principal's office. The room should be designed to accommodate an operable partition to increase flexibility. Conference room shall be designed to accommodate up to twelve to fourteen (12-14) people.

Casework Criteria:

- Provide a minimum of 5 l.f. of base cabinets with single compartment sink.

Furnishings Criteria:

- Provide a 4'x8' markerboard.
- Conference table and chairs, by Owner.

Signage Criteria:

- Provide ADA acceptable room identification sign.

Acoustical Criteria:

- Due to the sensitive nature of the interactions within these spaces appropriate acoustical separation is required.

F. Administration Workroom

General Requirements:

- The workroom should be located within the general office area and have access to a hallway other than the main administration entrance. Provide a coat closet for staff use.
- The room should be equipped with a large amount of storage for office supplies and for reserve instructional materials, which will be distributed throughout the school. A workroom must provide space for equipment necessary for the production and reproduction of administrative materials.
- The room should be equipped with a double compartment sink, garbage disposal, dishwasher, and refrigerator (with icemaker). Provide a 4'x7' floor area and power for a large 208-volt copier. Provide area for a fax machine.
- Provide a minimum of 100 mailboxes 15"x11"x2" min. to accommodate the distribution of mailings and correspondence.

Casework Criteria:

- Provide base and wall cabinets. Allow area in the center of the room for a worktable.

Furnishings Criteria:

- Provide a 4'x8' markerboard, with 4'x8' tackboard.
- Worktable and chairs, by Owner.
- Dishwasher and refrigerator, by Owner.

- Copier, by Owner.
- Fax Machine, by Owner

Signage Criteria:

- Provide ADA acceptable room identification sign.

G. Volunteer Workroom

General Requirements:

- The volunteer workroom should be located next to the general office area and have direct access to a hallway other than the main administration entrance. Provide a coat closet for staff use.
- The room is to be used by faculty and parent volunteers and should be equipped with a large amount of storage for supplies and reserve instructional materials, which will be distributed throughout the school. The central workroom must provide space for two (2) large tables necessary for the production and reproduction of administrative materials.
- The room should be equipped with a double compartment sink and garbage disposal. Provide a 4'x7' floor area and power for a large 208-volt copier.

Casework Criteria:

- Provide two walls with base and wall cabinets. Allow area in the center of the room for two worktables.

Furnishings Criteria:

- Provide a 4'x8' markerboard, with 4'x8' tackboard.
- Worktables and chairs, by Owner.
- Copier, by Owner.

Signage Criteria:

- Provide ADA acceptable room identification sign.

H. Faculty Lounge

General Requirements:

- The Faculty Lounge should be located within the general office area and have access to a hallway other than the main administration entrance. The room will accommodate food preparation and be furnished with tables and chairs for dining.
- The room should be equipped with a double compartment sink, garbage disposal, dishwasher, microwave, coffee maker, (2) vending machines, and refrigerator (with icemaker).
- Provide area for four (4) square tables and chairs.
- Provide a two (2) staff toilet rooms with ADA accessibility and a 4' x 5' telephone room.

Casework Criteria:

- Provide 18 l.f. base and wall cabinets on one wall. Allow area in the center of the room for tables.

Furnishings Criteria:

- Dining tables and chairs, by Owner.
- Dishwasher, microwave, coffee maker, (2) vending machines, and refrigerator, by Owner.

I. Staff Toilets

General Requirements:

- Provide a single occupant handicapped accessible toilet room for each gender.

Signage Criteria:

- Provide ADA acceptable room identification sign.

J. ISC Room

1. General Requirements:

- The ISC Room consists of five foot by five foot room with a door that has a window in it for observation. Walls to be constructed of impact resistant drywall with out any base.

Casework Criteria:

- None

Furnishings Criteria:

- None.

Signage Criteria:

- Provide ADA acceptable room identification

K. Health Center

General Requirements:

- The health center consists of three (3) discrete areas of use, consisting of toilet facilities, health room and an office/screening area. The health center should be located next to the secretarial area for supervision by the health secretary. Provide cot areas for 2 cots per Colorado Department of Health and Department of Education requirements. The configuration of the center should allow enough length for eye exams. Access to the center should be from a corridor and the administrative area. All facilities in the center area should be handicapped accessible.
- Provide ADA accessible toilet room with an out-swing door.

Casework Criteria:

- The center shall contain a desk space to accommodate a nurse's aide.
- Provide locking upper and lower cabinet for medical supplies and a single compartment sink with bubbler. Provide space for under counter refrigerator

Furnishings Criteria:

- Workstation chair and wastebasket, by Owner
- Undercounter refrigerator, by Owner.

Signage Criteria:

- Provide ADA acceptable room identification sign.

L. Storage

General Requirements:

- Provide two (2) lockable storage rooms adjacent to the workroom.

Signage Criteria:

- Provide ADA acceptable room identification.

M. Records Room

General Requirements:

- The records room shall be designed to accommodate student records, past and present, and should have direct adjacency to the receptionist workstation. Counselor and attendance staff will use the records room. Provide space for Xerox machine. Room should accommodate a min. of six (6) 4' high lateral files. Access to room should be located to allow supervision at all times.

Casework Criteria:

- Provide a 5' long workcounter, 36" AFF, to accommodate sorting of records.

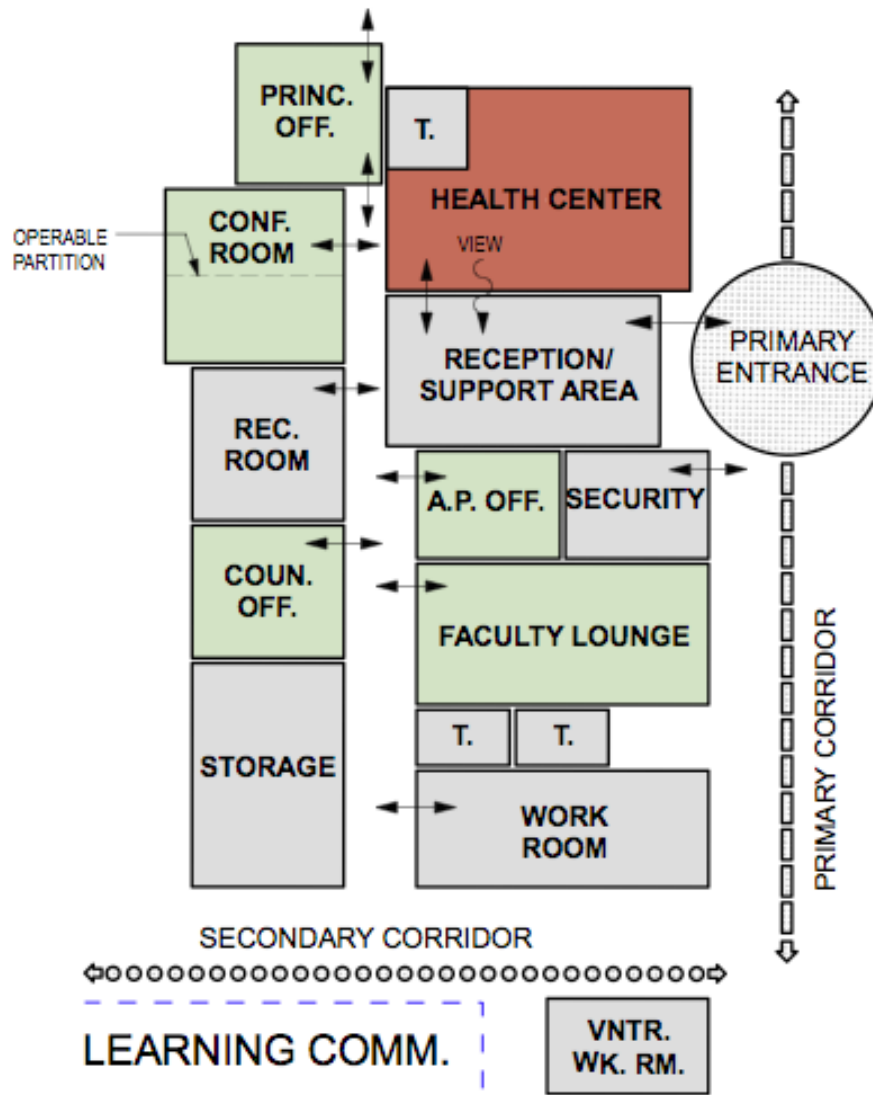
Signage Criteria:

- Provide ADA acceptable room identification sign.

Summary of Program Space:

ADMINISTRATION							
Principal's Office	1	@	200	200			
Asst. Principal Offices	1	@	150	150			
Counselor's Office	1	@	150	150			
Reception Area	1	@	400	400			
Conference Room (divisible)	1	@	300	300			
Administration Workroom	1	@	300	300			
Volunteer Workroom	1	@	300	300			
Faculty Lounge	1	@	400	400			
Staff Toilets	2	@	50	100			
ISC Room	1	@	25	25			
Health Center w/ toilet	1	@	600	600			
Storage	2	@	80	160			
Records Room	1	@	250	250			
Subtotal				3,335	S.F.	0	TS

Adjacency Diagram:



BUILDING SERVICES

Space Description:

The spaces, which encompass Building Services, provide support for the student, administrative and instructional spaces. It is crucial that consideration be given to the location of these spaces within the building to maximize the efficiency of the users and operators of the building. The design and layout of these spaces should be reviewed with the District Maintenance and Custodial steering committee.

The Building Services area is organized around the following spaces:

- A. Student Toilets
- B. Custodial Closets
- C. Main Communication (MDF) Room
- D. Intermediate Distribution Room (IDF)
- E. Custodial Office
- F. Custodial Meeting/Break Room
- G. Receiving/Supply Area
- H. Loading Dock
- I. Outside Agency Storage
- J. Exterior Storage
- K. Mechanical Room
- L. Electrical Room

Design Criteria:

A. Student Toilets

General Requirements:

- Provide accessible toilet facilities per each academic suite and near the Gymnasium, Cafetorium, Auditorium and the Administration area. Ceiling heights shall be a minimum of 8'-6" AFF. The design should be configured for visual privacy at each entrance, preferably without a door.
- Quantity of drinking fountains should be determined by applicable building codes. Locate fixtures near the toilet facilities. Drinking fountains are not required to be refrigerated type.

Casework Criteria:

- Provide accessible pipe enclosure at below lavatories in countertops (30" AFF).

Furnishings Criteria:

- Provide mirror units at lavatories.
- Toilet paper dispensers, by Owner.
- Soap dispensers, by Owner.
- Paper towel dispensers, by Owner.
- Sanitary napkin disposal units, by Owner.

Equipment Criteria:

- Provide a min. of two (2) hand dryers.

Signage Criteria:

- Provide ADA acceptable room identification signs and exit signs as required by the design of the facility.

Acoustical Criteria:

- Provide adequate acoustical separation from the instructional suite.

B. Custodial Closets

General Requirements:

- Strategically located Custodial Closets (adjacent to student restrooms and near Cafetorium, Auditorium and Gymnasium). Provide adequate space for assigned equipment such as riding vacuum sweepers, riding floor scrubbers and custodial portable caddies.
- Provide in each custodial closet a 24" x 24" floor mounted service sink with heavy-duty faucet set with 48" high wainscot of reinforced fiber panel (RFP) around service sinks.

Equipment Criteria:

- Wall mounted broom and mop rack, by Owner.
- Metal utility shelving, by Owner.
- Soap/Cleaner dispenser, by Owner.

Signage Criteria:

- Provide ADA acceptable room identification sign as required by the design of the facility.

C. Main Communication (MDF) Room

General Requirements:

- Each school is required to have a main communications (MDF) room to house all building special systems control equipment. The main communication (MDF) room must be connected to remote intermediate data closets. Provide proper space for (5) 19 inch server racks with a minimum of 3 feet clear dimension in front and back of the racks. Also provide a 3 foot x 4 foot phone switch with 3 feet clearance around it.
- The room should be located in or near the administrative suite with direct corridor access.
- Mount a min. of 8 lin. ft. of ¾" non-com plywood on two walls.
- Provide dedicated cooling system, only for this room. This system will not be shut down during summer months.

Equipment Criteria:

- Equipment racks, by Owner
- Fire Alarm and Voice Mail control panels
- Red Emergency Phone.
- Card access hardware.

Signage Criteria:

- Provide ADA acceptable room identification sign as required by the design of the facility.

D. Intermediate Distribution Room (IDF)

General Requirements:

- Provide Intermediate Distribution Rooms as required to accommodate IT panels and racks.
- The room shall be located to maximize flexibility of the IT backbone system for present and future use.
- Equipment requirements for IDF rooms may change based upon cabling requirements and decisions by the District to use fiber optic cable into the

classroom. Confirm IT cabling requirements with District prior to design.

- Provide dedicated cooling system for this room only. This system will not be shut down over the summer months.

Equipment Criteria:

- Equipment racks, by Owner
- Card access door hardware

E. Custodial Office

General Requirements:

- Provide office directly adjacent to the custodial meeting/break room and receiving /supply area and with direct corridor access. Office should have window or door into the custodial meeting/break room and receiving/supply area for supervision.

Casework Criteria:

- Provide one (1) 5' wide workstation with 18" wide below counter file cabinets. Provide 48" wide by 84" tall storage cabinet.

Furnishings Criteria:

- Wastebasket
- Workstation chair
- 2 visitor chairs
- Tall lateral file cabinet

Signage Criteria:

- Provide ADA acceptable room identification sign.

F. Custodial Meeting/Break Room

General Requirements:

- Provide meeting/break room directly adjacent to the custodial office and receiving/supply area and with direct corridor access. Meeting/Break Room should have a table to seat 6-7 custodians. Provide eight (8) full height lockers, toilet room and a window to the receiving/supply area.

Casework Criteria:

- Provide one 10 lineal feet of base cabinet and counter with a sink.

Equipment Criteria:

- Provide one full height refrigerator, dishwasher, and microwave.
- Provide 8 full height metal lockers.

Furnishings Criteria:

- Wastebasket
- 8 chairs
- 1 conference table that seats 8.

Signage Criteria:

- Provide ADA acceptable room identification sign.

G. Receiving/Supply Area

General Requirements:

- Provide an area directly adjacent to the loading dock to receive deliveries and store custodial supplies. The area should be windowless for security purposes and should have controlled access to a secondary corridor. Provide a pair of 4' wide steel doors or overhead door, if practical, from custodial storage room to loading dock. This area should be located near the recycling/trash removal area.
- Provide space for storing indoor cleaning equipment and floor machines.

Furnishings Criteria:

- Metal storage shelves and cabinets, by Owner.

Signage Criteria:

- Provide ADA acceptable room identification sign.

H. Loading Dock

General Requirements:

- Provide loading dock, 32" above grade adjacent to the receiving/supply area, kitchen and the recycling/trash enclosure.
- Loading dock to accommodate 2 trucks and provide pedestrian access to the service drive.

Equipment Criteria"

- Dock bumpers
- (2) 6 yard recycling dumpsters, by Owner
- (1) 6 yard trash dumpster, by Owner
- (1) 6 yard compost dumpster, by Owner

I. Outside Agency Storage

General Requirements:

- Storage should be provided for outside agencies that use the school after hours to store equipment for their use of building. The room should have direct access to the exterior and a secondary corridor with a pair of 4' wide steel doors, without a center mullion. Room should be located adjacent to other building service spaces.

J. Exterior Storage

General Requirements:

- Exterior storage should be located to store gasoline driven equipment for the use of building maintenance (i.e. ATV with blade, snow blower, mowers, etc.). The room should have direct grade access with a pair of 4' wide steel doors, without a center mullion. Room should be located adjacent to other building service spaces.
- Provide floor drain to facilitate equipment cleaning.

Equipment Criteria:

- Provide adequate power for re-charging equipment for building maintenance.

Acoustical Criteria:

- Provide adequate acoustical separation between adjacent spaces.

K. Mechanical Room

General Requirements:

- Provide adequate floor space to accommodate maintenance of all equipment. Provide direct exterior access with a pair of 4' wide steel doors. All building systems should be screened from public areas, and classrooms.
- Provide adequate floor drains for equipment.

Signage Criteria:

- Provide ADA acceptable room identification sign.

Acoustical Criteria:

- Acoustical separation from adjacent rooms is a critical consideration in the location and design of this space.

L. Electrical Room

General Requirements:

- Provide adequate floor space to accommodate maintenance of all equipment. Provide 3/4" wall mounted non-combustible plywood on all wall surfaces. Provide adequate exits as required by building code.
- Provide exterior mounted emergency generator fueled by a natural gas connection. Coordinate requirements with service provider.
- Provide transformer in screened area.

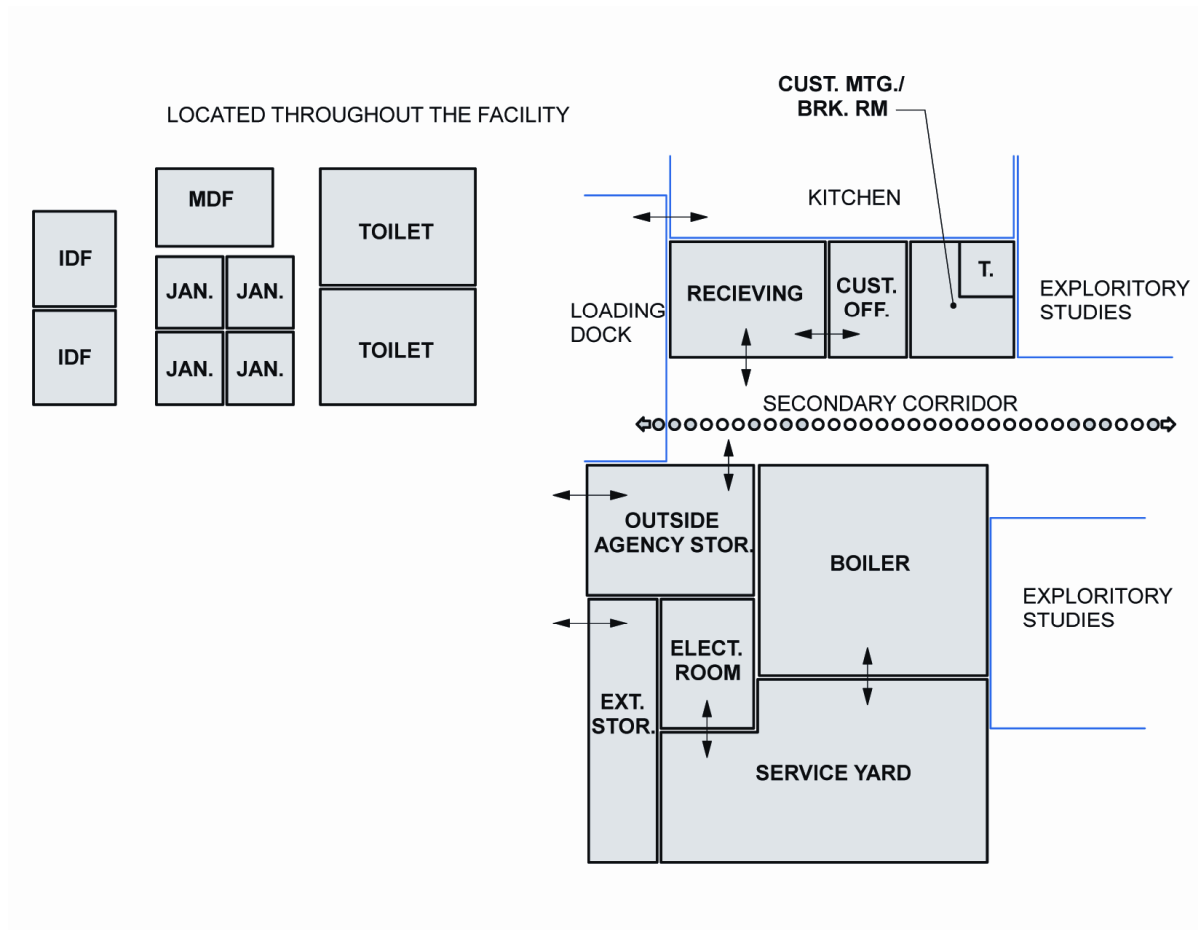
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











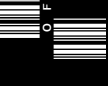
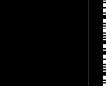
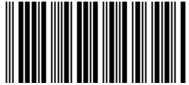














































- Provide ADA acceptable room identification sign.

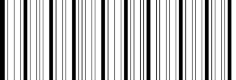
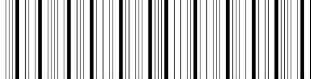
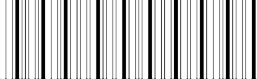
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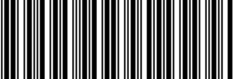




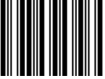




















BUILDING SERVICES									
Toilets	2 @	300	600						
Janitor Closets	4 @	20	80						
Communication (MDF) Closet	1 @	150	150						
Intermediate Distribution Room (IDF)	2 @	130	260						
Custodial Office	1 @	150	130						
Custodial Meeting/Break Room	1 @	200	200						
Custodial Toilet Room	1 @	50	50						
Receiving/Supply Area	1 @	300	300						
Outside Agency Storage	1 @	360	360						
Exterior Storage	1 @	200	200						
Mechanical Room	1 @	1000	1000						
Electrical Room	1 @	200	200						
Subtotal			3,550	S.F.	0	TS			

Adjacency Diagram:
















 GENERAL CLASSROOM  AREAS	 O L  O L  O L  O L  O L  O L  O L  O L  O L  O L	 BUILDING AREA  AREA  STUDENT C	 O L  O L
 GENERAL  CLASSROOM  FLEX  CLASSROOM  STUDENT  TOILETS  BOOK  STORAGE / WORK  AREA  STAFF  TOILETS  CONFERENCE  ROOMS  SUBTOTAL	 1 5  3  5  5  3  9 0 0  9 0 0  1 5 0  2 0 0  5 0  7 0 0  1 3  2  7 5 0  1  2 5 0  2  1 0 0	 1 5  3  1 5 0  2 0 0  2  T S  T S  T S  0 0 0  1 0 0  2 0  3 0 0  S . F .  1 8  T S	



 PRESCHOOL

 KINDERGARTEN

 CLASSROOMS

 PRESCHOOL  CLASSROOM  KINDERGARTEN  CLASSROOM  TEACHER WORK  AREA  STORAGE  SUBTOTAL	 2  3  1  1	 1 0 0 0  1 0 0 0  3 5 0  5 0	 2 0 0 0  3 0 0 0  3 5 0  5 0	 2  TS  3  TS  5  TS
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 MUSIC

 MUSIC  CLASSROOM  SUBTOTAL	 1	 1 2 0 0	 1 2 0 0  1 2 0 0  S F	 0  TS  0  TS
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 ART

 ART  CLASSROOM	 1	 9 0 0	 9 0 0	 0  TS
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ART STORAGE	1	150	150		
KILN ROOM	1	100	100		
SUBTOTAL		1	150	S - F -	0 T S

PHYSICAL EDUCATION

GYM	1	3500	3500	0	T S
OFFICE / LOCKER	1	160	160		
P.E. STORAGE	1	200	200		
COMMUNITY SCHOOL STORAGE	1	100	100		
SUBTOTAL		3	260	S - F -	0 T S

SPECIAL EDUCATION

SPECIAL NEEDS	1	100	100	1	T S
CLASSROOM	1	100	100		
SE STORAGE	1	200	200		
SE CHANGING RM - / TOILET	1	150	150		

 S E S T A F F  O F F I C E  S E  I T I N E R A N T  O F F I C E  S U B T O T A L	 1  1	 2 5 0  2 5 0	 2 5 0  2 5 0	 1  2 5 0  S - F -	 1  T S
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TECH
OFFICE / STORAGE
SUBTOTAL

1

250

250

1450

S.F.

0 TS

FOOD SERVICE

CAFETERIUM
215 STUDENTS
X 15
SF / STUDENT
SERVERY
KITCHEN
STAGE STORAGE
STAGE CONTROLS
CHAIR STORAGE
COMMUNITY
SCHOOL STORAGE
SUBTOTAL

3 225

600

1 200

200

80

250

100

5655


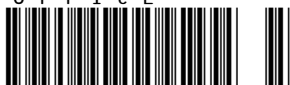











S.F.





0 TS

ADMINISTRATION

PRINCIPALS

200


 O F F I C E

 C O U N S E L O R S

 O F F I C E

 R E C E P T I O N A R E A

 C O N F E R E N C E

 R O O M

 D I V I S I B L E

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







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2 5 0


SUBTOTAL		3	200	5	0	TS
BUILDING SERVICES						
TOILETS		2	300		600	
JANITOR						
CLOSETS		4	20		80	
MDF ROOM		1	150		150	
IDF ROOMS		2	130		260	
RECEIVING AREA		1	300		300	
CUSTODIAL						
OFFICE		1	150		150	
CUSTODIAL						
MEETING / BREAK						
ROOM		1	200		200	
CUSTODIAL						
TOILET		1	50		50	
OUTSIDE AGENCY						
STORAGE		1	360		360	
EXTERIOR		1	200		200	

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 S U B T O T A L		 3  5 5 0  S . F .	 0  T S
 N E T  B U I L D I N G  A R E A  C I R C U L A T I O N  A R E A 1 8 % O F N E T A R E A		 5 1  1 8 5  9  2 1 3	 2 4  T S
 S U B T O T A L  C O N S T R U C T I O N  A R E A O F S U B T O T A L	 1 1 %	 6 0  3 9 8  6  6 4 4	
 T O T A L  G S F  O F  B U I L D I N G  A R E A		 6 7  0 4 2	
		 1 1 7  G S F / S T U D E N T	












<p>GENERAL CLASSROOM AREAS</p>	<p>TOILET</p>	<p>BUILDING AREA</p> <p>TOILET AREA</p>	<p>STUDENT</p>
<p>GENERAL CLASSROOM</p> <p>STUDENT TOILETS</p> <p>BOOK STORAGE / WORK AREA</p> <p>STAFF TOILETS</p> <p>CONFERENCE ROOMS</p> <p>SUBTOTAL</p>	<p>20</p> <p>5</p> <p>5</p> <p>5</p> <p>3</p>	<p>900</p> <p>18000</p> <p>150</p> <p>750</p> <p>200</p> <p>1000</p> <p>50</p> <p>250</p> <p>700</p> <p>2100</p> <p>22100</p>	<p>20</p> <p>T</p>
<p>PRESCHOOL KINDERGARTEN CLASSROOMS</p>	<p>2</p>	<p>1000</p> <p>2000</p>	<p>2</p> <p>T</p>























 K I N D E R G A R T E N  C L A S S R O O M  T E A C H E R W O R K  A R E A  S T O R A G E  S U B T O T A L	4	1 0 0 0	4 0 0 0	4
 M U S I C  M U S I C C L A S S R O O M  S U B T O T A L	1	1 2 0 0	1 2 0 0	0
 A R T  A R T C L A S S R O O M  A R T S T O R A G E  K I L N R O O M  S U B T O T A L	1	9 0 0	9 0 0	0
 P H Y S I C A L E D U C A T I O N  G Y M  O F F I C E / L O C K E R	1	3 5 0 0	3 5 0 0	0
	1	1 6 0	1 6 0	

 P - E - S T O R A G E	
 C O M M U N I T Y	 S C H O O L
 S T O R A G E	
	
S U B T O T A L	

 1	 2 0 0	 2 0 0
 1	 1 0 0	 1 0 0
	 3	 2 6 0
		 0



SPECIAL EDUCATION

 S P E C I A L N E E D S	
 C L A S S R O O M	
 S E S T O R A G E	
 S E C H A N G I N G	
 R M - / T O I L E T	
 S E	 S T A F F O F F I C E
 S E	 I T I N E R A N T
	 O F F I C E
	
S U B T O T A L	

 1	 1	 1 0 0	 1	 1 0 0	 1
 1		 2 0 0		 2 0 0	
 1		 1 5 0		 1 5 0	
 1		 2 5 0		 2 5 0	
 1		 2 5 0		 2 5 0	
		 1	 9 5 0		 1

LIBRARY MEDIA

CENTER

 I N S T R U C T I O N A L
 S E A T I N G / S T A C K S

 2	 5 0 0
--	--

PERIODICAL	
STORAGE	
AV STORAGE	
OFFICE	
WORKROOM	
STAFF TOILETS	
SUBTOTAL	

1	50
---	----

200	200	120	300	50
3	370	S.F.	0	T

TECHNOLOGY

COMPUTER LAB	
TECH OFFICE / STORAGE	
SUBTOTAL	

1	1200	1200
1	250	250

0	T			
1	450	S.F.	0	T

FOOD SERVICE

CAFETERIUM	215
STUDENTS X	15
SF / STUDENT	
SERVERY	
KITCHEN	

3	225	
1	600	200

0	T
---	---

STAGE STORAGE
 STAGE CONTROLS
 CHAIR STORAGE
 COMMUNITY SCHOOL
 STORAGE
 SUBTOTAL

200
 80
 250
 100
 5655
 S.F.
 0

ADMINISTRATION

PRINCIPALS
 OFFICE
 ASSISTANT
 PRINCIPALS
 OFFICE
 COUNSELORS
 OFFICE
 RECEPTION AREA
 CONFERENCE ROOM
 DIVISIBLE
 ADMINISTRATION

200
 1
 150
 150
 1
 150
 150
 400
 300
 300

WORK ROOM			
VOLUNTEER			
WORK ROOM			3 0 0
FACULTY LOUNGE			4 0 0
STAFF TOILETS			1 0 0
HEALTH CENTER W /			
TOILET			6 0 0
IS C ROOM			4 0
STORAGE			1 6 0
RECORDS ROOM			2 5 0
SUBTOTAL			

2

5 0

3 0 0
4 0 0
1 0 0

2

8 0

6 0 0
4 0
1 6 0
2 5 0

3 3 5 0 s . f .

0 T










BUILDING SERVICES



















TOILETS			
JANITOR CLOSETS			
MDF ROOM			
IDF ROOMS			
RECEIVING AREA			
CUSTODIAL OFFICE			


2
4
1
2
1
1

3 0 0
2 0
1 5 0
1 3 0
3 0 0
1 5 0










6 0 0
8 0
1 5 0
2 6 0
3 0 0
1 5 0

 C U S T O D I A L	
 M E E T I N G / B R E A K	
 R O O M	
 C U S T O D I A L T O I L E T	
 O U T S I D E A G E N C Y	
 S T O R A G E	
 E X T E R I O R S T O R A G E	
 M E C H A N I C A L R O O M	
 E L E C T R I C A L R O O M	







 1	 2 0 0	 2 0 0
 1	 5 0	 5 0
 1	 3 6 0	 3 6 0
 1	 2 0 0	 2 0 0
 1	 1 0 0 0	 1 0 0 0
 1	 2 0 0	 2 0 0

 S U B T O T A L

 3	 5 5 0	 S . F .	 0	 T
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 N E T	 B U I L D I N G	 A R E A	
 C I R C U L A T I O N	 A R E A	 1 8 %	
 O F	 N E T	 A R E A	

 5 4	 1 3 5	 2 7	 T
 9	 7 4 4		

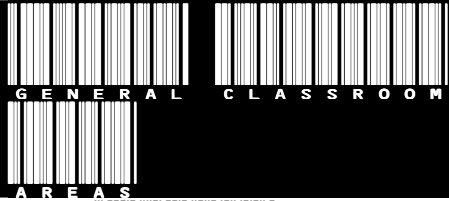
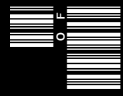



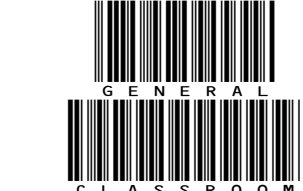



























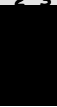
 S U B T O T A L			
 C O N S T R U C T I O N	 A R E A	 1 1 %	 O F
 S U B T O T A L			

 6 3	 8 7 9
 7	 0 2 7

 <p>TOTAL GSF OF BUILDING AREA</p>	 <p>70906</p>
 <p>109 GSF/STUDENT</p>	

Building Program Summary

**750 Students Preschool/Elementary (4 - 5 Rounds)
650 Student Core:**

 <p>GENERAL CLASSROOM AREAS</p>	 <p>205</p>	 <p>BUILDING AREA</p>	 <p>TOTAL AREA</p>	 <p>STUDENT</p>
 <p>GENERAL CLASSROOM AREAS</p>	 <p>205</p>	 <p>900</p>	 <p>18000</p>	 <p>20</p>
 <p>STUDENT TOILETS</p>	 <p>5</p>	 <p>150</p>	 <p>750</p>	 <p>20</p>
 <p>BOOK STORAGE / WORK AREA</p>	 <p>5</p>	 <p>200</p>	 <p>1000</p>	
 <p>STAFF TOILETS</p>	 <p>5</p>	 <p>50</p>	 <p>250</p>	
 <p>CONFERENCE ROOMS</p>	 <p>3</p>	 <p>700</p>	 <p>2100</p>	 <p>3</p>
 <p>SUBTOTAL</p>		 <p>22100</p>	 <p>850</p>	 <p>23</p>
 <p>PRESCHOOL</p>				 <p>23</p>

		SUBTOTAL		1 150 S.F.		0 T	
PHYSICAL EDUCATION							
GYM	1	3500	3500	0	T		
OFFICE / LOCKER	1	160	160				
P.E. STORAGE	1	200	200				
COMMUNITY SCHOOL							
STORAGE	1	100	100				
		SUBTOTAL		3 960 S.F.		0 T	
SPECIAL EDUCATION							
SPECIAL NEEDS	1	1000	1000	1	T		
CLASSROOM	1	200	200				
SE STORAGE	1	200	200				
SE CHANGING							
RM / TOILET	1	150	150				
SE STAFF OFFICE	1	250	250				
SE ITINERANT							
OFFICE	1	250	250				
		SUBTOTAL		1 950 S.F.		1 T	

LIBRARY MEDIA CENTER

I N S T R U C T I O N A L

S E A T I N G / S T A C K S

P E R I O D I C A L

S T O R A G E

A V S T O R A G E

O F F I C E

W O R K R O O M

S T A F F T O I L E T S

S U B T O T A L

2 5 0 0

2 0 0

2 0 0

1 2 0

3 0 0

1

5 0

3 3 7 0

S F

0 T

T E C H N O L O G Y

C O M P U T E R L A B

T E C H

O F F I C E / S T O R A G E

S U B T O T A L

1

1 2 0 0

1 2 0 0

0 T

1

2 5 0

2 5 0

1 4 5 0










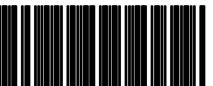
S F

0 T

F O O D S E R V I C E

C A F E T O R I U M

3 2 2 5

	
S T U D E N T S X 1 5	
	
S F / S T U D E N T	
	
S E R V E R Y	
	
K I T C H E N	
	
S T A G E S T O R A G E	
	
S T A G E C O N T R O L S	
	
C H A I R S T O R A G E	
	
C O M M U N I T Y S C H O O L	
	
S T O R A G E	
	
S U B T O T A L	

	6 0 0
	2 0 0
	2 0 0
	8 0
	2 5 0
	1 0 0
	5 6 5 5

ADMINISTRATION

	
P R I N C I P A L S	
	
O F F I C E	
	
A S S I S T A N T	
	
P R I N C I P A L S	
	
O F F I C E	
	
C O U N S E L O R S	
	
O F F I C E	

			2 0 0
	1		1 5 0
	1		1 5 0



R E C E P T I O N A R E A



4 0 0



C O N F E R E N C E R O O M



3 0 0



D I V I S I B L E



A D M I N I S T R A T I O N



3 0 0



W O R K R O O M



V O L U N T E E R



3 0 0



W O R K R O O M



F A C U L T Y L O U N G E



4 0 0



S T A F F T O I L E T S



2



5 0



1 0 0



H E A L T H C E N T E R W /



6 0 0



T O I L E T



4 0



I S C R O O M



2



8 0



1 6 0



S T O R A G E



2 5 0



R E C O R D S R O O M



S U B T O T A L



3 3 5 0



B U I L D I N G S E R V I C E S



T O I L E T S



2



3 0 0



6 0 0



J A N I T O R C L O S E T S

























4

































2 0












8 0

 M D F	 R O O M
 I D F	 R O O M S
 R E C E I V I N G	 A R E A
 C U S T O D I A L	 O F F I C E
 C U S T O D I A L	
 M E E T I N G / B R E A K	
 R O O M	
 C U S T O D I A L	 T O I L E T
 O U T S I D E	 A G E N C Y
 S T O R A G E	
 E X T E R I O R	 S T O R A G E
 M E C H A N I C A L	 R O O M
 E L E C T R I C A L	 R O O M

 1	 1 5 0	 1 5 0
 2	 1 3 0	 2 6 0
 1	 3 0 0	 3 0 0
 1	 1 5 0	 1 5 0
 1	 2 0 0	 2 0 0
 1	 5 0	 5 0
 1	 3 6 0	 3 6 0
 1	 2 0 0	 2 0 0
 1	 1 0 0 0	 1 0 0 0
 1	 2 0 0	 2 0 0

 S U B T O T A L
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 3 5 5 0	 s . F .	 0	 T
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 N E T	 B U I L D I N G	 A R E A	 1 8 %
 C I R C U L A T I O N	 A R E A		
 O F	 N E T	 A R E A	

 5 4	 1 3 5	 3 0	 T
 9	 7 4 4		

 C O N S T R U C T I O N	 S U B T O T A L	 1 1 %	 O F	 6 3	 8 7 9	
 S U B T O T A L				 7	 0 2 7	
 T O T A L	 G S F	 O F				
 B U I L D I N G	 A R E A				 7 0	 9 0 6
				 9 5	 G S F / S T U D E N T	

Room Finish Matrix:

ROOM FINISH MATRIX							
Room Name	FLOOR		WALLS		CEILING		Remarks
	Finish	Base	Mat.	Finish	Mat.	Finish	
ACADEMIC SUITE 1-5							
General Classroom	VCT/CPT	RB	GB	P	SAT		
Coat Area	VCT	RB	GB	P	SAT		
Student Toilets	CT	CT	GB/CT	P	GB		
Staff Toilet	CT	CT	GB/CT	P	GB		
Teacher Work Area	VCT	RB	GB	P	SAT		
Conference Room	CPT	RB	GB	P	SAT		
PRESCHOOL & KINDERGARTEN							
Preschool Classroom	VCT/CPT	RB	GB	P	SAT		
Kindergarten Classroom	VCT/CPT	RB	GB	P	SAT		
Teacher Work Area	VCT	RB	GB	P	SAT		
Staff Toilets	CT	CT	GB/CT	P	GB		
MUSIC							
Music Classroom	VCT	RB	GB	P	SAT		
ART							
Art Classroom	VCT	RB	GB	P			PAINT EXPOSED STRUCT
Art Storage	VCT	RB	GB	P			PAINT EXPOSED STRUCT
Kiln Room	SC	RB	CMU	P			PAINT EXPOSED STRUCT
PHYSICAL EDUCATION							
Gymnasium	WD	RB	CMU	P			PAINT EXPOSED STRUCT
Teacher Office/Locker	SQ	SQ	CMU	P	SAT/GB	P	
PE Storage	SC	RB	CMU	P			
Community School Storage	SC	RB	CMU	P			
SPECIAL EDUCATION							
Severe Needs Classroom	CPT/VCT	RB	GB	P	SAT		
Moderate Needs Classroom	CPT	RB	GB	P	SAT		
SE Teacher Workroom/Storage	VCT	RB	GB	P	SAT		
Changing Rm./Toilet	CT	CT	GB	P	GB	P	
SE Staff Office	CPT	RB	GB	P	SAT		
Itinerant Office	CPT	RB	GB	P	SAT		
SE Resource Rm.	CPT	CT	GB	P	SAT		
LIBRARY MEDIA CENTER							
Instructional Seating/Stacks	CPT	RB	GB	P	SAT		
Periodical Storage	VCT	RB	GB	P	SAT		
AV Storage	VCT	RB	GB	P	SAT		
Office	CPT	RB	GB	P	SAT		
Workroom	VCT	RB	GB	P	SAT		
Head-end Rm.	VCT	RB	GB	P	SAT		
Staff Toilets	CT	CT	GB/CT	P	SAT		
COMPUTER LAB							
Computer Lab	VCT	RB	GB	P	SAT		
Tech. Office	VCT	RB	GB	P	SAT		
FOOD SERVICE							
Cafetorium	VCT	RB	CMU/GB	P	SAT		GYP BOARD SOFFITS
Servery	QT	QT	CMU/GB	P	SAT		GYP BOARD SOFFITS
Kitchen	QT	QT	GB	P	SAT		PROVIDE WALL

							PROTECTION FULL HEIGHT PAINT EXPOSED STRUCT
Stage	VCT	RB	CMU	P	-		
Stage Storage	VCT	RB	GB	P	SAT		
Stage Controls	VCT	RB	GB	P	SAT		
Chair Storage	VCT	RB	GB	P	SAT		
Community School Storage	VCT	RB	GB	P	SAT		
ADMINISTRATION							
Principal's Office	CPT	RB	GB	P	SAT		
Asst. Principal Office	CPT	RB	GB	P	SAT		
Counselor's Office	CPT	RB	GB	P	SAT		
Reception Area	CPT	RB	GB	P	SAT		
Conference Rm.	CPT	CT	GB	P	GB		
Administration Workroom	VCT	RB	GB	P	SAT		
Central Workroom	VCT	RB	GB	P	SAT		
Faculty Lounge	VCT/CPT	RB	GB	P	SAT		
Staff Toilets	CT	CT	GB/CT	P	SAT		
Health Center w/Toilet	VCT/CT	RB/ CT	GB/CT	P	SAT		
ISD Classroom	VCT	RB	GB	P	SAT		
Security Office	CPT	RB	GB	P	SAT		
Storage	VCT	RB	GB	P	SAT		
Records Room	VCT	RB	GB	P	SAT		
STUDENT SERVICES							
Counselor Office	CPT	RB	GB	P	SAT		
Multi-purpose Office	CPT	RB	GB	P	SAT		
Conference Room	CPT	RB	GB	P	SAT		
Staff Toilet	CPT	RB	GB	P	SAT		
Reception/Waiting	CPT	RB	GB	P	SAT		
Records	CPT	RB	GB	P	SAT		
BUILDING SERVICES							
Student Toilets	CT	CT	CT	-	GB	P	
Janitor Closets	SC	RB	GB	P	GB	P	
Intermediate Distribution Room (IDF)	SC	RB	GB	P			
Receiving Area	SC	RB	GB	P			
Custodial Area/Office	VCT	RB	GB	P			
Exterior Storage Bldg.	SC	RB	GB	P			
Fan Room	SC	RB	GB	P			
Mechanical Room	SC	RB	GB	P			
Electrical Room	SC	RB	GB	P			
CORRIDORS							
Primary Corridors	VCT	RB	CMU/GB	P	SAT/G B		
Secondary Corridors	VCT	RB	GB	P	SAT/G B		
ABBREVIATIONS KEY							
CMU - CONC MASONRY UNIT							SAT- SUSPENDED ACOUSTICAL TILE
CT - CERAMIC TILE							QT - QUARRY TILE
CPT - CARPET							SC - SEALED CONC.
GB - GYP BOARD							VCT - VINYL TILE
P - PAINT							VWC - VINYL WALL COVERING
RB - RUBBER BASE							WD - WOOD

Acoustical Guidelines:

ACOUSTICAL GUIDELINES			
ROOM to ROOM	STC RANGE	NC Rating for first rm. referenced	dBA Rating for first rm. referenced
Classroom / Classroom	40-45	30-35	35
Classroom / Corridor	40-45		
Classroom / Toilet	50-55		
Cafetorium / Stage	45-50	20-25	35
Cafetorium / Corridor	45-50		
Cafetorium / Toilet	55-60		
Stage / Corridor	45-50	20-25	35
Stage / Classroom	40-45		
Gymnasium	45-50	40-45	53
Gymnasium / Corridor	45-50		
Coaches Office / Corridor	40-45		
Coaches Office / Gymnasium	45-50		
Office / Corridor	40-45	30-35	44
Office / Workroom	45-50		
Office / Office	40-45		
Office / Toilet	50-55		
Music CR. / Corridor	45-50		
Music CR. / Teacher Work Area	45-50		

Lighting Guidelines:

LIGHTING GUIDELINES			
Room Name	Range of Illuminaces		Fixture Type
	Footcandles	Lux	
ACADEMIC SUITE 1- 5			
General Classroom	30-50	200-300	Parabolic Fluorescent or Indirect
Coat Area	30-50	200-300	Parabolic Fluorescent or Indirect
Teacher Work Area	30-50	200-300	Parabolic Fluorescent
Staff Toilet	10-15	100-150	Compact Fluorescent
Conference	20-30	200-300	Parabolic Fluorescent
PRESCHOOL & KINDERGARTEN			
General Classroom	30-50	200-300	Parabolic Fluorescent or Indirect
Coat Area	30-50	200-300	Parabolic Fluorescent or Indirect
Teacher Work Area	30-50	200-300	Parabolic Fluorescent
Staff Toilet	10-15	100-150	Compact Fluorescent
MUSIC			
Music Classroom	30-50	200-300	Parabolic Fluorescent
ART			
Art Classroom	75-100	1000-1500	Indirect Fluorescent w/ track lighting
Art Storage	10-15	100-150	Industrial Fluorescent
Kiln Room	10-15	100-150	Industrial Fluorescent
PHYSICAL EDUCATION			
Gymnasium	50-75	300	High Bay Fluorescent
Office/Locker	30-50	200-300	Lenses Fluorescent
PE Storage	10-15	100-150	Industrial Fluorescent
Community School Storage	10-15	100-150	Industrial Fluorescent
SPECIAL EDUCATION			
Severe Needs Classroom	30-50	200-300	Parabolic Fluorescent
Moderate Needs Classroom	30-50	200-300	Parabolic Fluorescent
SE Storage	10-15	100-150	Lenses Fluorescent
SE Changing Rm./Toilet	15-30	100-150	Lenses Fluorescent
SE Staff Office	30-50	200-300	Parabolic Fluorescent
SE Itinerant Office	30-50	200-300	Parabolic Fluorescent
SE Resource Room	20-30	200-300	Parabolic Fluorescent
LIBRARY MEDIA CENTER			
Instructional Seating/Stacks	30-50	200-300	HID/ Indirect Fluorescent
Periodical Storage	15-30	100-150	Parabolic Fluorescent
AV Storage	20-30	200-300	Fluorescent
Office	30-50	200-300	Parabolic Fluorescent
Workroom	30-50	200-300	Parabolic Fluorescent
Head-end Room	20-30	200-300	Parabolic Fluorescent
Staff Toilet	10-15	100-150	Fluorescent
TECHNOLOGY			
Computer Lab	30-50	200-300	Parabolic Fluorescent or Indirect
Tech. Office	30-50	200-300	Parabolic Fluorescent
FOOD SERVICE			
Cafetorium	20-30	75-100	HID/Fluorescent
Servery	30-50	100-150	Fluorescent
Kitchen	50-75	500-750	Fluorescent Troffer
Stage	20-30	100-150	Fluorescent
Stage Storage	10-15	100-150	Industrial Fluorescent

Stage Controls	10-15	100-150	Industrial Fluorescent
Chair Storage	10-15	100-150	Industrial Fluorescent
Community School Storage	20-30	100-150	Parabolic Fluorescent
ADMINISTRATION			
Principal's Office	30-50	200-300	Parabolic Fluorescent
Asst. Principal Office	30-50	200-300	Parabolic Fluorescent
Counselor's Office	30-50	200-300	Parabolic Fluorescent
Reception Area	30-50	200-300	Parabolic Fluorescent
Conference Room	30-50	200-300	Parabolic Fluorescent
Administration Workroom	30-50	200-300	Parabolic Fluorescent
Central Workroom	30-50	200-300	Parabolic Fluorescent
Faculty Lounge	30-50	200-300	Parabolic Fluorescent
Staff Toilets	15-30	100-150	Compact Fluorescent
Health Center	30-50	200-300	Parabolic Fluorescent/Fluorescent Troffer
ISD Classroom	30-50	200-300	Parabolic Fluorescent
Security Office	30-50	200-300	Parabolic Fluorescent
Storage	10-15	100-150	Compact Fluorescent
Records Room	10-15	100-150	Compact Fluorescent
BUILDING SERVICES			
Student Toilets	15-30	100-150	Fluorescent
Janitor Closets	10-15	100-150	Industrial Fluorescent
Intermediate Distribution Room (IDF)	10-15	100-150	Industrial Fluorescent
Receiving Area	10-15	100-150	Industrial Fluorescent
Custodial Storage/Office	20-30	200-300	Lenses Fluorescent
Exterior Bldg. Storage	20	200	Vapor Tight Incandescent
Fan Room	10-15	100-150	Industrial Fluorescent
Mechanical Room	10-15	100-150	Industrial Fluorescent
Electrical Room	10-15	100-150	Industrial Fluorescent
CORRIDORS			
Primary Corridors	15-20	100-150	Parabolic Fluorescent/Fluorescent Troffer
Secondary Corridors	15-20	100-150	Parabolic Fluorescent/Fluorescent Troffer
GENERAL NOTES			
Provide dual level switching for the following areas:			
General Classroom			
Art Classroom			
Music Classroom			
Severe Needs Classroom			
ISD Classroom			
Computer Labs (depending upon selected fixtures)			