



To Whom It May Concern:

The School District of Santa Rosa County utilizes prototype designs for all new learning centers and additions to existing centers.

By utilizing prototype designs, the time and cost of developing new facility and additions designs is greatly reduced and the construction process is greatly expedited. The prototype designs also saves scarce capital outlay funds in a number of ways. One way is in design costs in that a totally new shape, size, etc. does not have to be conceptualized and developed before a building can go through design development on its way to final working drawings. Essentially, the same building is adapted to a new site and it is ready to go except for changes in materials or equipment specification due to what has been learned through the construction and use of previous buildings. Another savings is in the bidding process. Contractors are familiar with the design, how it fits together, and what, if any, the challenges have been with previous iteration of the design. This provides a confidence level that allows bidders to not have to hedge bids to cover for unknown or unexpected circumstances. The standardization of equipment and materials produces considerable maintenance savings over the life of the building.

The prototype designs meet the frugal SMART Schools criteria established by the 1997 Legislative – Soundly Made, Accountable, Reasonable, and Thrifty. Merits of these innovative prototypical designs include flexibility in customizing interior spaces and exterior elevations, security, energy efficient, and simple construction methods.

These cost efficient prototypical designs provide centers of learning where Santa Rosa County's students will be afforded the greatest opportunities to reach their highest potential allowing them to exceed in life.

Sincerely,

Joseph B. Harrell
Assistant Superintendent for Administrative Services

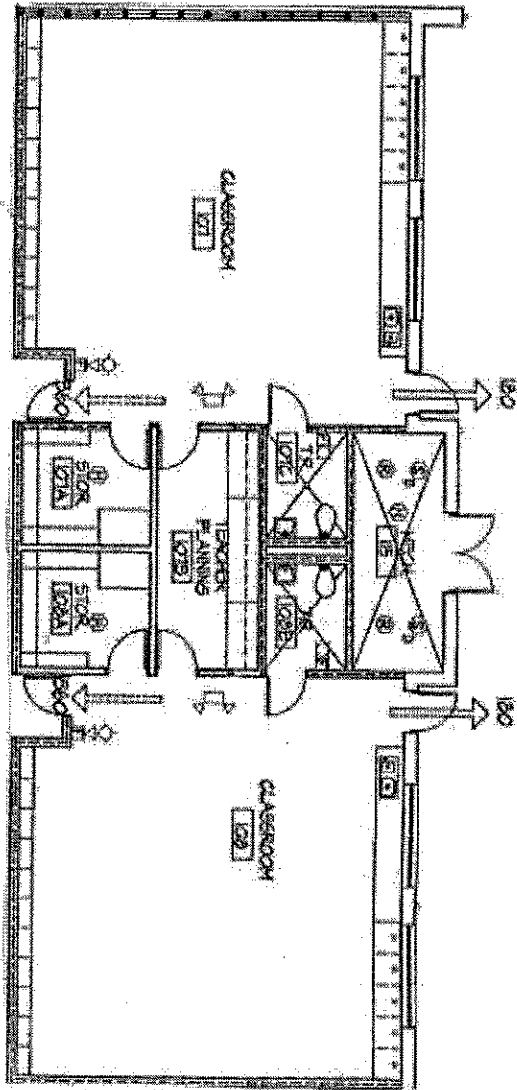
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SMART School Design philosophy and practical design solutions are to be considered in all facilities construction projects and final designs are to be functional and cost effective.

Learning Environment

A good education starts with students and their learning environment. This is the premise that led to the district's criteria for the prototype designs in this brochure. The goal was to design a universal classroom that could be modified to meet any curriculum requirement, changes in teaching methods or be easily converted to different grade levels. All the while being frugal in cost, durable, energy efficient, and easily maintained. Basic classrooms are all the same size, within grades, and have the same amenities so that classes can be easily interchanged or partitions moved for collaborative teaching, large group study, or lectures.

Student Capacity

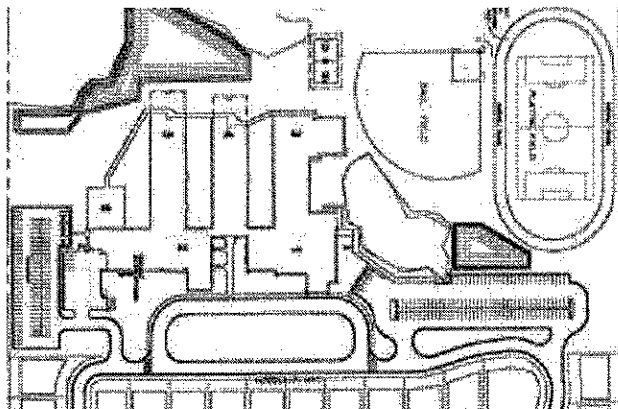


Each basic classroom has seating for a teacher and aide and

- ◆ 25 kindergarten students
- ◆ 25 primary students
- ◆ 30 intermediate students
- ◆ 30 middle school students
- ◆ 28 high school students
- Every new school and addition is complete with data cables in conduit or cable trays.
- Every classroom is wired for six student computers and two staff computers.
- Each school has a CCTV studio with a television in every instructional space.
- All classrooms have a lockable storage space in addition to cabinet space in classrooms.
- PK-5 toilet rooms are accessible from adjoining classrooms through a vestibule that has windows in the doors for supervision of the toilet area from the classroom. The connecting vestibule also provides ease of access for collaborative supervision and instructing between the adjoining rooms. Middle and high school toilets are centralized and the vestibule area is directly across the hallway from the centralized teacher planning area which has windows for supervision of the toilet area.
- All classrooms have a minimum of a 4'x 12' porcelain white eraser board and a minimum of 25 square feet of tack board. Elementary and middle have a minimum of 20 linear feet of tack strip in the immediate corridors.

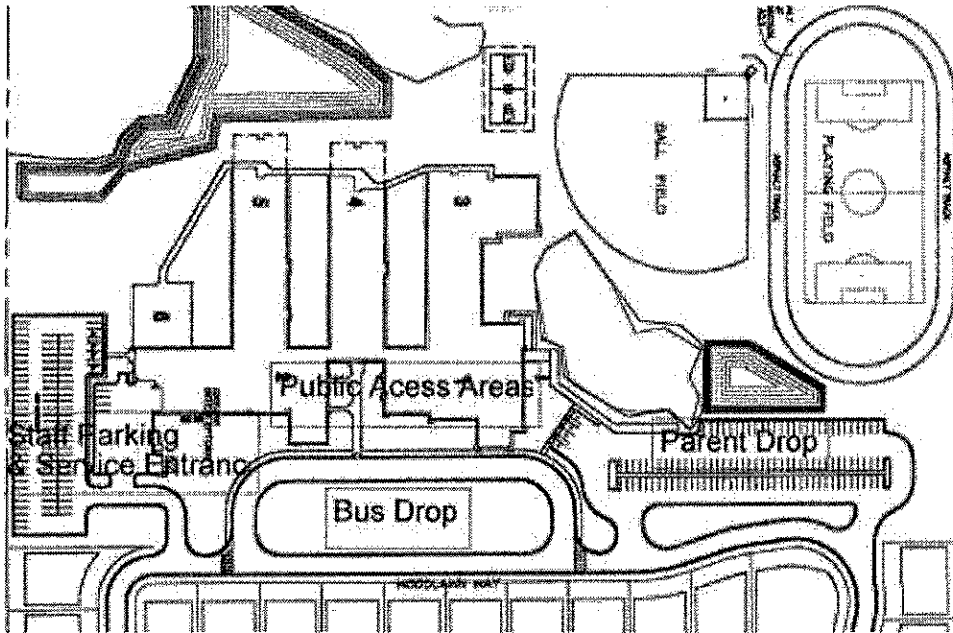
Site

The design of the "E" finger building allows it to be adapted to various site configurations. Separate pedestrian and vehicular access routes promote safety, as well as a separate parent and bus drop-off or pick-up. The service area is also separated to insure student safety. The entire facility is designed with accessibility in mind.



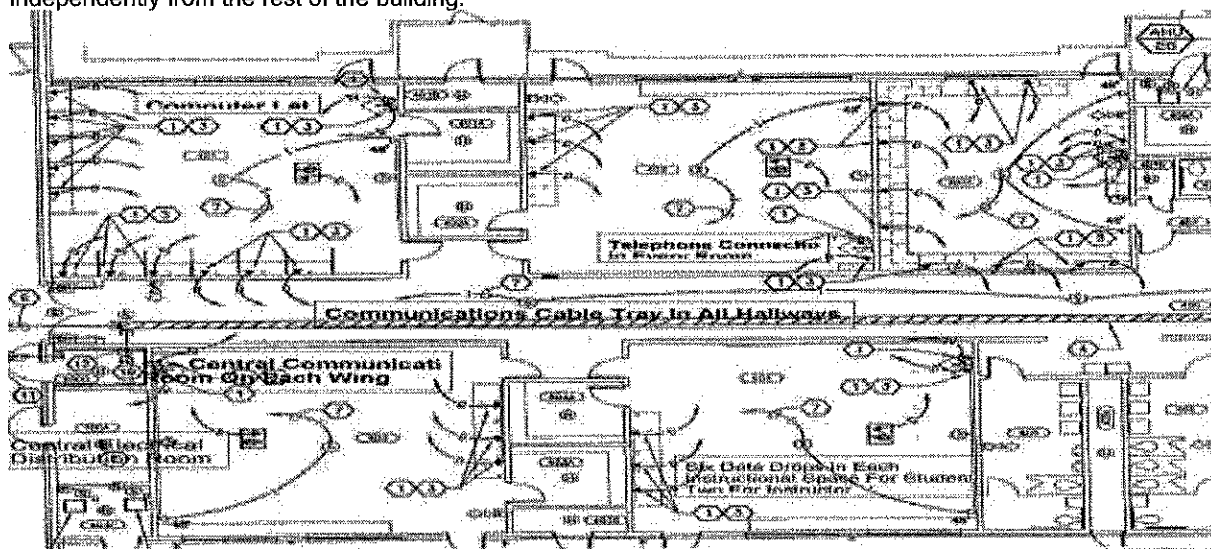
Safety and Security

The finger or "E" configuration provides for primary egress to the outside in every instructional space. All classroom door hardware allows the teacher to lock the door from inside the instructional space while maintaining the classroom function. Administration provides a central control point for entry. All classrooms are under one roof. Separate bus and parent drop-off/pick up areas. Access can be restricted to the Administration, Media Center, Music, and dining areas only. Physical Education staff is able to visually monitor covered play areas and play fields. All interior student occupied spaces have vandal-resistant masonry walls and finishes. Equipped with a central station monitored security system. Fully annunciated fire alarm system.



Access and Community Use

Schools are designed so that they can function as a community center as well as an educational institution. The supports areas all have separate HVAC and access doors from the outside so that the spaces can be utilized independently from the rest of the building.



Building Services

Each instructional space is equipped with a separate HVAC system and control with a push-button energy management over-ride. An emergency egress lighting and emergency systems. Heating and cooling is provided by high efficiency heat pumps with supplemental strip heat. All mechanical rooms are accessed from the building exterior or corridor – not from instructional areas. All group toilets have an accessible chase.

Technology

Centrally located systems room. Expandable data system, six data internet drops in each instructional space for student use and 2 drops for instructor utilization. Fiber optic "back-bone" cabling. Computer lab with 30 student computers. In new schools, integrated communications system. Telephone connection provided in each classroom.

Materials

Concrete masonry units in all public and student occupied areas. Four-ply built-up roofing system which pitches to perimeter of building. Except in large areas where roof drains are utilized. All roof water guttered and piped to storm drains. Carpet and VCT in instructional spaces, carpet in offices and corridors, and VCT in dining and storage spaces. 2'x2' moisture proof, vinyl faced acoustical tile ceilings. 2'x 4' fluorescent energy efficient lay-in light fixtures.

Energy and Environmental Considerations

High efficiency DX-HVAC heat pump systems with supplemental strip heat. Central energy management clock that controls HVAC and fans. Pre-conditioned HVAC make-up air. Exterior masonry walls treated for moisture penetration, foam insulation and air gap provided. Roofing insulation is an integral part of roofing system. All instructional spaces provided with occupancy sensors to control lighting during unoccupied times. Light is high efficiency fluorescent utilizing electronic ballasts and T-8 lamps. In middle and high schools, water closets and urinals are controlled by infrared sensors. Exterior lighting is controlled by photo-cells.

Materials

Brick veneer concrete masonry soldier exterior walls with lightweight concrete roof deck. Type IV unprotected construction. Monolithic concrete slab. Steel fascia and soffit systems. Double pane sliding windows. Marble or synthetic marbled window sills. Solid plastic toilet partitions. Labeled wooden interior doors and galvanized steel exterior doors. All door hardware is standardized district wide. Painted walls finished in a satin finish. Main corridors are brick veneer with a contrasting soldier course of a contrasting color at student hand height so as to not show a soil line over the years.

Configuration flexibility

All instructional interior walls are non-structural allowing for future re-configurations to meet current educational needs. Primary and intermediate classrooms are all provided with classroom student toilet access and the same cabinet heights so that the room can be used interchangeably, without modification, for either primary or intermediate students.