

SCHOOL SITE

A school site shall be of sufficient size to accommodate safe access, parking, drainage and security. Additionally, the site shall be provided with an adequate source of water and appropriate means of effluent disposal.

Site Attributes:

The site shall be configured for safe and controlled access. Reference the Security heading in this section for additional security requirements on the site.

A parking lot shall be provided that includes a maintainable surfaced area that is stable, firm and slip resistant and large enough to accommodate 1.5 parking spaces/staff FTE.

Configuration of the site shall be such that runoff does not undermine the structural integrity of the school buildings located on the site or create flooding, ponding or erosion resulting in a threat to health, safety or welfare.

Site Recreation/ Outdoor Physical Education:

A school facility shall have area, space and fixtures, in accordance with the standard equipment necessary to meet the educational requirements of the public education department, for physical education activity.

Elementary schools shall have safe play area(s) and playground(s) including hard surfaced court(s) and appropriate equipment for physical education and school recreational purposes based on the planned school program capacity.

Classrooms should have easy access to playgrounds for recreation time. The gym needs to be adjacent to play field, basketball courts, and playgrounds.

The physical education philosophy at HMS has a focus on teaching students the building blocks of physical activity and health for life. All spaces and equipment provided shall support that education program.

SPACE/ROOM CHARACTERISTICS

This section addresses facility space descriptions and required spaces including classrooms and support spaces to fulfill educational program implementation for Hobbs elementary schools.

Each sub-section includes a cover sheet providing an itemized list of spaces required and net square footage. PSCOC statewide adequacy standards and

FF&E allowed items are provided for reference on the cover sheet for each sub-section.

Space description chart provides a list of all known spaces required, use frequency of different user groups of rooms, and the importance of adjacency to other spaces within the facility. The Specific Space Needs category includes furniture and equipment, technology, electrical/lighting, mechanical, security, storage, doors/floors/walls/acoustics requirements, and other considerations.

This section contains the summary of all available information regarding spaces, character and needs of the elementary school. It is intended to be used as a reference for schematic design that ultimately leads to the production of the set of construction documents by the Design Professional. Reference information provided by the state assists with budget and line item cost allocation. Items listed in the FF& E chart are covered under adequacy by the State.

BUILDING SPACE DESIGN CRITERIA

All work shall meet all governing regulations: building codes, ADA, ICCA/ ANSI, and Energy Star standards.

Specific details regarding space requirements have been defined by Hobbs Municipal School's (HMS) Educational Specifications Committee, Advisory Committee, Board of Education and Administration. Adequacy guidelines provided by the state of New Mexico are also incorporated into the criteria. The following is a detailed description of each category requirements. HMS maintains a district-wide Building Standards document that includes material specification information including manufacturer, product name, fire-rating, and color standards. A copy of the complete Hobbs Municipal Schools Building Standards is included in Section 8 of this document.

Furniture/Equipment:

All furniture included in the specific space needs meets *PSFA Furniture List For Elementary Schools*. It also includes marker boards, tack boards, clocks, intercoms and other equipment. One marker board in each classroom is preferred by HMS to be a custom made 8' x 12' horizontal slider marker board suspended on truck hangers with ball bearings. The horizontal sliders are installed at the window wall elevation and can be used to protect the window wall during weather or security emergencies. This prototype marker boards has been installed in Hobbs Freshman High School. Additional marker boards shall be traditional boards mounted on the wall.

HMS district standard for teachers is a teacher podium equipped to provide work top for a computer, store the computer and all related electronics and

connection devices. Floor receptacles will be used to provide power and internet connections.

Technology:

Technology infrastructure requirements for elementary schools include connected fiber (2 pairs) to the district wide area backbone back to the district network core. Buildings are required to have a fiber backbone with the ability to deliver 10g on the backbone and 100 mb to the desktop. Enough wireless access points to support BYOD testing devices and online textbooks.

HMS uses interactive network supported teaching methods in classrooms. Ceiling mounted projectors are required to have network connections in addition to the teacher computer station and the classroom computers. All staff computers throughout the facility shall be connected to the district network.

Periodic scholastic testing will be held in all classrooms, library, computer lab and the gym. Computer carts will be used with wireless connections for rooms with insufficient number of individual work stations.

Technical support will require an MDF/ IDF and/or technical closets. MDF/IDF room will require 30 amp twist locks, dedicated cooling source, key card access, Telecore call buttons/clocks and speakers and a VOIP phone system. Special wall treatment is required, including one-hour fire rating, plywood backer boards for mounting equipment and additional receptacles.

Electrical/Lighting:

Electrical supply to the building shall be designed to projected need and some expansion capability, particularly with regard to increasing technology demands.

Code required receptacles provide adequate power for general use. Special attention to receptacles provided for computer use for number of receptacles, frequency of supply. When built in counters are provided, receptacles shall be installed above the counter. Floor receptacles shall be provided when required for conference, computer or special equipment use in classrooms and presentation spaces. Attention to anticipated maintenance requirements is also required when providing receptacles in corridors and large rooms. In the kitchen, equipment demands will dictate the required power supply.

All general and special use classrooms shall have a lighting system to provide a minimum of 50 foot-candles of well-distributed light controlled by motion sensors and photocells. Dimming options shall be provided for classrooms and conference rooms. All occupied spaces should have day lighting with glare control devices, especially in computer task areas. Art classrooms and art task

Program of Spaces

areas will benefit from access to natural light from the north. Task lighting should be provided to supplement general lighting as required.

Light quality and foot candles shall be measured in the center of the room at desk top height.

Power at doors provided with card key access will be required. HMS anticipates the need for card key access doors to be at all entrances, controlled access storage, mechanical, electrical, and IT rooms.

Emergency lighting shall be provided throughout the building and security lighting on the exterior of the building and the parking lot.

Mechanical:

Mechanical supply to the building shall be designed provide heating, cooling and ventilation.

All general and special use classrooms shall have a mechanical system to provide and maintain a temperature between 68 and 75 degrees Fahrenheit when fully occupied. The system is required to continuously circulate air; it is required to be capable of maintaining a carbon dioxide level of not more than 1,200 parts per million.

General acoustics are required to maintain a sustained background sound level of less than 55 decibels. The gym, cafeteria, music room, art room will all require attention to the acoustics, adjacencies to each other and proximity to quiet spaces. Attention to wall, door, window, ceiling details will be required. Mechanical systems should not contribute to the background noise and the mechanical infrastructure should not allow sound to travel in the interstitial space above the ceiling or in the walls.

Air quality shall be measured in the center of the room at desk top height.

Security:

All HMS schools shall be configured for safe and controlled access that separates pedestrian from vehicular traffic. Bus loading/unloading areas shall be provided. School personnel monitoring arrival and departure must be provided with safe area to perform their duties. Elementary school students are not transported with upper grade students. Pedestrian and vehicular traffic management is important as students and staff report to school every day. Separation of visitor and staff parking is required. The campus shall have safe and secure site fencing.

IP security cameras connected to district Core shall be provided inside and out. Key points of camera placement and level of camera performance will be determined by a study of the building inside and out and will include cameras in halls and computer rooms. Surveillance shall be provided to protect students, staff, and property. Primary observation areas will be entrances, corridors, and isolated areas.

Card key access at main entrance and MDF/ IDF rooms is required.

Hobbs, New Mexico has an Alert and Warning System in place for disasters such as wildfires, tornadoes, or major chemical releases. Several outdoor sirens throughout the city are activated in case of emergency. These sirens are not intended to be heard inside buildings. School administration should have access to internet and/or radio scanner to receive notice of potential hazards. Emergency plans for the school should be implemented as required.