**SPACE TYPES & REQUIREMENTS**

**Site Circulation**

School Type: [EMH]

**Functional Area Descriptions**

The exterior area of the school provides access, parking, recreation, and service areas. Insure a safe, functional, and aesthetically pleasing site. It must provide ADA accessibility and comply with all Anti-Terrorism / Force Protection (AT/FP) standards.

**1 Site Layout**

Siting a school complex poses unique safety considerations. Planners and designers should avoid creating blind spots. Multipurpose driveways and walkways should be sited to avoid conflicts between pedestrian and vehicular traffic.

**2 Access and Circulation**

Consider the hierarchy of entries and use the site to reinforce the function of each. Include access control considerations. Provide a clear path around the building for security and surveillance.

Traffic flow considerations include:
- Where site access allows, provide separate entrances and exits for bus traffic and Privately Owned Vehicles (POV) especially parent drop-off traffic.
- Provide separate bus and parent drop-off locations at entrances to the school building and separated from parking areas.

**Planning Requirements**

<table>
<thead>
<tr>
<th>Site Circulation</th>
<th># of Spaces</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3 Staff Parking</strong></td>
<td>One per staff</td>
<td>Not to exceed</td>
</tr>
<tr>
<td><strong>3 Visitor Parking</strong></td>
<td>10% of student enrollment</td>
<td>Not to exceed</td>
</tr>
<tr>
<td><strong>3 Student Parking</strong></td>
<td>20% enrollment of grades 11 and 12</td>
<td>Not to exceed</td>
</tr>
<tr>
<td><strong>3 Maintenance/Food Service Staff</strong></td>
<td>One per FTE assigned to the school</td>
<td>With approval by DoDEA HQ</td>
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</tbody>
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- Plan bus circulation and drop-off so buses are not required to back up.
- Provide adequate stacking length within the bus area to accommodate all buses during pick-up times.
- Provide adequate POV stacking on site to eliminate traffic congestion off site.
- Provide drop-off locations for special education buses and vans.
- Provide well marked entrance and exit lanes to facilitate traffic flow.
- Provide a drive-up service location for food service, equipment, and supply deliveries.
- Consider required fire department emergency vehicle access when planning site circulation.
- Provide sidewalks for all areas where students approach or exit the school. Paths from playgrounds and fields to building entries should avoid crossing vehicular traffic.

### 3 Parking

#### Regular Parking

Regular paved parking lots are provided for visitors, staff and students.

#### Event Parking

As event parking is not an everyday occurrence, paved parking is limited to regular lots. Event parking overflow from regular lots may be accommodated on paved play areas, the bus loop, fields and adjacent roads.

### Additional Staff Parking

Additional staff parking for maintenance and food service staff shall be provided for one space per full time employee (FTE) assigned to the school and approved by DoDEA HQ. Part time employees shall use visitor parking.

Refer to the Planning Requirements table and the Program for Design (PFD) for not to exceed parking allocations. School administrators shall consider actual local needs and sustainability when sizing parking capacity. Parking shall be coordinated with the military installation planners and be compliant with handicapped access regulations.

Divide parking areas by use: visitor, handicap accessible, staff, and student. Conveniently locate the visitor parking and accessible parking near the front entrance of the school. Place the staff parking so that it does not visually dominate the building and open spaces. Provide parking islands as required by code and installation guidelines.

If the site is constrained, coordinate with installation officials regarding the joint use of adjacent parking areas for staff members and recreational sites for school activities.

### 4 Recreation

Refer to the outdoor learning, outdoor play and athletic field sections.

### 5 Service Area

This is an area used for chillers, deliveries, trash removal, and other essential services required to support the operations of the school. Consolidate these areas where possible and locate just outside the support area of the building. Visually screen from the predominant areas of the site and major approaches. Provide physical enclosures for trash receptacles. If a dock is provided, verify the height of vehicles making deliveries. Provide for a local recycling program.

### 6 Planting

All planting requirements should be adapted to local climate. In general, provide native plant materials. Shade trees are desirable when parking islands are provided. Avoid low branching trees to maintain clear sight lines. Use a mix of evergreen and deciduous plant material to shade parking areas and service areas (i.e. refuse areas, loading docks, HVAC units) from adjacent uses. Consider sight lines near entrances when choosing and placing plant material.

Select non-poisonous, thornless trees, shrubs, plants, and ground covers that can withstand harsher conditions, such as sun, glare, heat, and reduced water supply. Choose trees and shrubs that require minimum maintenance and will not litter the parking area with leaves, fruits, and nuts. Provide enough clearance in planting islands to accommodate for vehicle overhang. All plantings shall comply with AT/FP standards.