

DIVISION 1

CODES AND STANDARDS

SECTION 01010

DESIGN GUIDELINES – DUVAL COUNTY PUBLIC SCHOOLS

Project Design and construction shall meet all governing codes, standards, and regulations. These codes shall supersede the Design Guidelines in event of a conflict. Among the Codes and Standards to be complied with are the following:

The Florida Building Code for Public Educational Facilities Construction (FBC) latest edition. The FBC shall supersede any other code adopted by a board, or any other building code or ordinance, for the construction of educational and ancillary facilities and plants whether at the local, county, or state level. Duval County Public School code Enforcement Department.

Referenced Codes. City of Jacksonville Landscape Department, for compliance with landscape tree protection regulations. All, or portions, of the following codes are hereby incorporated in and made a part of the FBC. In the case of conflicting requirements or where the FBC is mute, the more, or most, stringent shall apply. In cases of conflict between two reference codes, for life-safety issues, the NFPA codes take precedence, and for building construction issues, apply the Standard Building Code as referenced herein. Note: when referencing any code list below (and others) use latest or current edition.

- a. **ACI 318-95.** American Concrete Institute, "Building Code Requirements for Structural Concrete and Commentary" ACI 530-92
- b. **AHERA.** Asbestos Hazard Emergency Response Act, 40 CFR, Part 763,.
- c. **AISC.** American Institute of Steel Construction Ninth Edition with OEC.89 Addendum adopted by SBC.
- d. **AISI.** American Iron and Steel Institute
- e. **ANSI.** American National Standards Institute. References to ANSI standards shall be the 1995 edition.
- f. **ASCE.** American Society of Civil Engineers
- g. **ASHRAE.** American Society of Heating, Refrigeration, and Air-Conditioning Engineers.
- h. **ASTM.** American Society for Testing Materials
- i. **DCA.** Florida Department of Community Affairs
 - (1) Florida Americans With Disability Implementation Act and the Florida Accessibility Code for building Construction.
 - (2) Florida Energy Efficiency Code for Building Construction (FEEC)
- j. **DOT--AASHTO.** American Association of State Highway and Transportation Officials "Standard Specifications for Highway
- k. **FEMA.** Federal Emergency Management Agency. Rules and Regulations 44 CFR, Parts 59 and 60, and subsequent revisions thereto which are adopted by the Federal Emergency Management Agency for flood plain criteria governing insurability of facilities constructed in flood plain areas.
- l. **MIL-L-19140E.** Military Specification for Lumber and Plywood, Fire Retardant Treated.
- m. **NEC.** National Electrical Code
- n. **NfoPA.** National Forest Products Association
- o. **NFPA.** National Fire Protection Association, NFPA 101 and other NFPA codes as applicable. Exceptions are Sections NFPA 101 10-2.2.7 and 10-7.2.2.7 "Exit Passageways" and where NFPA codes are exceeded by these State Requirements.
- p. **OSHA.** Occupational Safety and Health Administration, U. S.
- q. **SBC.** Standard Building Code
- r. **SGC.** Standard Gas Code
- s. **SJI.** Steel Joist Institute
- t. **SMC.** Standard Mechanical Code
- u. **SPC.** Standard Plumbing Code
- v. **TMS.** The Masonry Society Standards

Other Regulatory Agencies Design Professionals are to coordinate with the Florida Department of Children and Families (DCF). Day Care and Child Care Facilities.

Florida Department of Environmental Protection (DEP), including the Regional Water Management Districts.

1. Water management and drainage.
2. Wells.
3. Water treatment.
4. On-site sewage disposal systems over ten thousand (10,000) gallons per day.
5. Protection of ground water.

Florida Department of Labor and Employment Security (DLES). Inspections for work place safety.

Florida Department of State (DOS). Division of Historical Resources. For new construction, remodeling, or renovation projects involving a facility or building fifty (50) years old or more.

Florida Department of Transportation (DOT). Off-site, state, city, and county access roads adjacent to property.

Florida Department of Health (DOH).

1. On-site sewage disposal systems under ten thousand (10,000) gallons per day.
2. Swimming pools.
3. Bio-hazardous wastes.
4. Facilities intended to house birth to age three (3) children, including Teenage Parent Programs (TAP), shall meet DOH construction and licensing requirements, in addition to the FBC.
5. Potable water.

Bureau of Liquefied Petroleum Gas (LPG). LPG is the regulatory authority for liquefied petroleum gas in the State, and is part of the Division of Standards, Florida Department of Agriculture and Consumer Services. See Chapter 4527, F.S.

Local Governing Body Regulating Land Use. Each board shall cooperate with the local governing body regulating land use to ensure, to the maximum extent feasible, that the planning needs of the board's sites and facilities as they relate to environmental concerns, health, safety, welfare, off-site impact and/or effects on adjacent property is in concert with the local growth management plan.

City or Local State Fire Marshal. Florida Department of Insurance.

1. Certification of fire inspectors for annual safety inspections.

2. Boiler Safety.

Design Guides: Design Professionals are to use the following facilities design guidelines, as local policy determines.

- (1) ASTM/CPSC. "Playground Audit Guide."
- (2) HPPS. "Handbook for Public Playground Safety," by the U. S. Consumer Product Safety Commission.

Local building permit is required. **From the District Code Enforcement Office, DCSB projects are required to comply with all Federal, State, and City codes and ordinances.**

DESIGN AND CONSTRUCTION METHODOLOGY

- a. All design will comply with DCSB Design Standards and Professional Service Guidelines.
- b. The facility will be designed to ensure rapid and economical construction. Prefabricated and standardized components may be utilized.
- c. Consideration will be given to long range maintenance requirements, taking into consideration the flexible use of a School Plant. The Maintenance Department will participate in the review and approval of the Mechanical, Electrical, and Plumbing equipment selected for the Project.
- d. The Design Professional will be responsible for coordinating accessibility to the facility for equipment deliveries and after-school use during evening programs (service and access drives, etc.)
- e. All building circulation will be undercover as much as possible.
- f. Provisions will be made for shielding garbage and recycling containers. The containers should have an adequate concrete pad with bollards to the back to assist with keeping the containers on the pad. There should be a hose bibb available to this area.

STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (SREF)

- a. All plans and specifications will conform to the requirements to the SREF and FBC Any educational specifications contained herein, which are in conflict with the These codes will be brought to the attention of the Facilities Division Project Manager.
- b. A Building Permit will be required, DCSB projects are required to comply with all Federal, State, and City codes and ordinances.

GENERAL MAINTENANCE CONSIDERATIONS

- a. Design consideration will be given to space requirements to allow sufficient working area for maintaining all items of fixed equipment, such as boilers, air conditioners, freezers, and ventilating fans, etc.
- b. All equipment will be designed and installed to allow for ease of maintenance such as changing filters.
- c. The Duval County Public Schools Director of Maintenance will be consulted for input on all general maintenance considerations.
- d. Provide Departmental, Custodial and Administrative Storage as specified elsewhere, per SREF.
- e. Shelving to be adjustable or fixed, as specified elsewhere.
- f. Custodial closets to be provided at each wing and/or major area of facility in accordance with SREF. (Each closet will contain a receptor, shelving, and a storage rack for brooms and mops.

END OF SECTION 01010