

GENERAL: Design or Specify the Following

Grade to be such that maximum of two inches between the fence fabric and the ground shall be held along the line of the fence.

Chain link fencing to be 9 gauge 2" galvanized mesh after weaving **knuckle and knuckle only** regardless of the fence heights. Top rail shall be 1-1/4" normal pipe size. Hot dipped galvanized inside and outside with wall thickness to be .140 inches and weight to be 2.280 lbs. per foot. 21 ft lengths schedule 40 only. Line post to be hot dipped galvanized inside and outside schedule 40 only 2" pipes only for all fence heights. All terminal post shall be 3" schedule 40 hot dipped galvanized pipe.

Fencing to be constructed with a top rail. Fencing around retention ponds to be 6' high and minimum of a 12' gate opening for service vehicles or as required by code and same gauge requirements as stated above.

**NOTE: The double twist method shall be used on each tie-wire. Additionally a T-Handled Locking device and Bulldog Industrial Hinges are required on gates.**

Gates to be equipped with a 3/16" galvanized chain welded to the gate. The chain to extend 8" on each side of the link welded to the gate for locking purposes. Swing gates are not to be used at drives with steep grades. Roll gates to be designed for easy operation by one person. No cantilever gates shall be built for any opening greater than 20'.

A swinging gate used on a 6' fencing or higher which is 10' in length or longer shall be hung on a 6" terminal scheduled 40 only. Also a swinging gate to be hung on fencing with a length of 10' and height 4' or 5' shall be hung on a 6" terminal. Swing gate to be **bulldog industrial hinges only**. All gates are to be constructed of schedule 40 pipe with wall thickness of .140 inches or greater. All pipe is to be hot dipped galvanized inside and outside. All gates are to be welded together construction. All welds are to be chipped and wire brushed. All welds are to be brushed painted with cold galvanized only. All rolling gates shall not span a distance greater than 14' and be equipped with a (solid or cast) malleable roller only with a brass bushing and grease fitting and will be bolted thru the gate only. All rolling gates shall be supported by a 3-track system. The bottom and center tracks to carry the weight and the top track to keep it from being lifted off the tracks. All rolling gates shall be used in line track brackets only. No offset track brackets will be used or accepted. All front wheels on rolling gates shall be double wheel carriers. A pair of 8" diameter 2" width solid rubber tire wheels on an axle that gives the set a 12" stance. Wheels with seated bearings, axle encases in metal housing with 4 adjustments screws for dual wheel alignment Merchants' metals 16216 or equal. All gate openings 20' or greater shall have 2 rolling gates installed each gate traveling toward the center of the gate opening. All cages will have 6' gates. All fencing with a straight run of 400' or greater shall have a center pull post and bracing installed

Tennis court fencing shall be 10' high and be equipped with a top rail, center rail and bottom rail. The center and bottom rail are to be welded in place and all welds to be chipped and wire brushed. The welds will be brushed painted with cold galvanized. Gauge requirements are same as stated above.

Equipment cages, A/C, generators, bicycles compounds etc. shall be 6' high. A top will be installed where DCPS deems necessary to keep down vandalism.

**Design Shall Limit security fencing at the front entrance of all schools property line ( at the street)and is only recommended if determined necessary for safety or security purposes by the Security Department and approved by the Director of Facilities Design and Construction.** The use of vinyl coated fencing is not permitted unless exception approved by DCPS.

**END OF SECTION 02830**