PART 0 A/E INSTRUCTIONS

0.01 GENERAL DESIGN REQUIREMENTS

A. Architect shall coordinate with the DPS Project Manager the sports to be played at each school.

B. Architect shall coordinate recreation program requirements with DPS Project Manager for each school.

C. Architect shall coordinate with Education Specification for quantity and size of equipment, playing fields and courts not covered in the Playground Standard.

D. Architect shall coordinate with DPS Section 02000.

E. Both outdoor and indoor playgrounds are possible. Coordinate with DPS Playground Standard 00800 for guidelines.

F. Architect shall coordinate layouts, power supply, and mounting requirements for all FF&E items purchased by DPS related to this section, i.e. cardiovascular equipment.

G. Architect to coordinate requirements of a Learning Landscape with the DPS Project Manager.

H. Architect shall coordinate equipment design with accessibility (ADA) requirements and applicable codes.

I. Equipment shall be age appropriate, and may require physical separation of ages.

J. Architect shall coordinate all equipment design with DPS Playground Standard 00800.

K. Architect shall coordinate school colors and logos for incorporation into project.

L. Architect shall coordinate floor anchorage and in-floor mounting requirements for all indoor equipment with area to be used.

M. Architect shall provide for proper structural blocking and support for all indoor mounted equipment.

N. Architect shall coordinate in-floor mounting and power requirements of equipment.

O. Architect shall coordinate requirements of game striping and sizing, both interior and exterior.

P. Architect shall coordinate equipment storage requirements

Q. Architect shall coordinate with DPS items that are to be fixed and/or moveable.

R. If a pool is involved, a pool consultant shall be hired and include associated equipment requirements for lanes, diving boards, starting blocks, etc.

S. All outdoor poles in paved areas shall be painted safety yellow, coordinate with Section 09900.

T. No motorized rigid partitions shall be used to divide interior recreation space.

U. Architect shall coordinate the requirements for an electronic scoreboard with the DPS Project Manager.

V. Coordinate with DPS Project Manager if indoor Basketball goals are fixed or foldable.

W. If shooting and archery ranges are to be part of the scope, a specialized consultant shall be required for the design of it.

X. The following materials are not permitted to be used on exterior play areas or equipment.

1. Wood
2. Recycled plastic.
3. Synthetic Lumber
4. Concrete- unless used for structure
5. Rubber Tires
6. Non-commercial- ‘home made’ equipment

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Outdoor Athletic and Recreation Equipment. Includes, but is not limited to the following:

1. Basketball
   a). Poles
   b). Nets
   c). Backboards- fixed height only.
2. Track and Field
   a) Pole vault pole box
   b) Discus and shot put toe boards).
3. Football goal posts
4. Soccer , field hockey, and lacrosse
   a). Nets and goals (portable and anchorable)
5. Tennis courts
   a). Nets
   b). Poles- sleeved and removable
   c). Center net tie down anchor
6. Softball and baseball
   a). Base & anchors
   b). Home plate
   c). Pitching rubber
   d). Portable fencing with permanent ground sleeves and protective caps installed at all locations
7. Protective padding mounted to equipment provided in this section (unless specifically listed to be without padding).
8. Outdoor tetherball (padding not required)
   a). Ball and cord
   b) Sleeved pole
9. Outdoor volleyball
   a). Nets
   b). Sleeved poles

B. Indoor Athletic and Recreation Equipment

1. Fixed (location and height) and fold-up (fixed height) basketball hoops and backboards.
2. Fixed sleeve for volleyball nets and poles
3. Climbing ropes.
4. Climbing walls, pads and rigging
5. Moveable net partitions to separate courts and/or spaces.
6. Wall mounted storage racks for storage of floor pads.
7. Wall mounted arm ladders- at K-8 and E.S. only.
8. Wall mounted adjustable chinning bar- K-8, M.S., H.S. only.

9. Protective padding
10. Training room equipment
    a). Whirlpools
    b). Ice machine
11. Aerobic exercise equipment
    a). Mirrors
    b). Bars

1.02 QUALITY ASSURANCE

A. All equipment shall meet the requirement of State of Colorado athletic standards or other agencies having jurisdiction, including those of Colorado High School Athletic Scholastic Association (CHSASA).

PART 2 PRODUCTS

2.01 FABRICATION

A. Outdoor Equipment
1. Basketball
    a) Outdoor rims shall be doubled
    b) Backboards shall be made of steel
    c) Backboard offset no more than 24”
    d). Nets shall be fabric or smooth welded steel chain
    f). Fixed height rims- not breakaway style
2. Football
    a) Goals shall be sleeved and removable
    b) Goals shall be covered with protective pads
    c) Single support posts for uprights - no ‘H’ configuration
3. Soccer, field hockey & lacrosse
    a) Provide manufacturers’ standard anchoring system (lacrosse goal is non-anchored)
    b) Provide Scoremaster brand goals for soccer
    c) Provide full regulation size for H.S., M.S. and K-8.
    d) Provide youth size at E.S.

B. Tennis Court Net System
    a). Poles shall be removable square tube and sleeved - powder coated.
    b). Stainless steel hardware with removable crank and internal brass gears
1. Softball & baseball
    a). Bases shall be “Hollywood Style”
    b). Pitching rubber shall be four sided
    c). Provide removeable home plate
2. Volleyball
    a). Provide sleeve to a minimum imbedment depth of 18”.
    b). Provide removeable poles

7. Tetherball
   a). Provide sleeve to a minimum inbedment depth of 18”
   b). Provide removable poles

C. Indoor Equipment
1. Basketball
   a) Fixed height goals in H.S. & M.S.
   b) Adjustable height goals in E.S. & K-8
   c) Clear acrylic backboards only at main goals of H.S. & M.S., all others are steel
   d) Fixed rims at all locations except the main goals in H.S. and M.S. where break-aways shall be provided
   e) Keyed and powered retractable goals shall be provided with the largest motor available by the manufacturer and utilized where approved by the DPS Project Manager
   f) Bolt on protection pads shall be provided at the bottom of backboards of the main goals
   g) Crash pads shall be mounted on wall behind main goals and folding goals
   h) 2” minimum thickness pads
   i) Mount 12” above floor to a height of 7”-0” above floor. (not required if wall is more than 15 feet from the edge of the court)
   j) Provide pads to a width of 16”-0” centered on goal and be removable
   k) Cut out around any wall mounted objects, switches, outlets, etc.
   l) Anchor pads at the bottom with clips, and at top with a continuous track (no hooks)
2. Volleyball
   a). Provide removable floor sleeve system in H.S. & M.S. only
   b). Provide a bolt down pole in E.S. & K-8
   c). Provide carts for pole system
3. Climbing Ropes
   a). Provide vinyl boot with ring
   b). Provide pulley, rope and counterbalance weight to pull rope out of way
   c). Provide wall mounted cleats (mounted 6’-0” above the floor)
   d). Provide Dacron rope (no hmp or polyethelene)
   e). Provide maximum height tambourine ring to govern alowable climbing heights
4. Climbing Walls
   a) Coordinate with DPS Project Manager.
5. Moveable net partition
   a) Overhead coiling with powered operation (keyed)
   b) Provide solid vinyl panels at lower 8”-0” with open fabric mesh above
   c) Horizontal tracks are prohibited
6. Protective padding
   a) Provide vinyl covered urethane foam
   b) Color as selected from manufacturer’s standards

7. Training Room Equipment
   a). Whirlpools
   b). Provide only at H.S.
   c). Stainless Steel
   d). Single person units
8. Aerobic Exercise Equipment
   a) Mirrors are to be tempered glass.
   b) Mirrors are from 6” to 6’-0” above the floor.

PART 3 EXECUTION

3.02 SPARE PARTS

A. Provide 4 extra basketball nets
B. Provide 2 winches for tennis nets, and two nets for each 4 courts.
C. One acrylic backboard and one breakaway goal (in H.S. only)

END OF SECTION 11480