<u>NOTE TO THE CONSULTANT</u>: Edit with <u>Track Changes</u> turned on, any text in this section that appears in bold and italics then turn off the bold and italics for the final approved version. This specification section also needs to be edited and modified to reflect the specific design of the play area and type of play equipment chosen for your project. The project name above and play equipment lists below, need to reflect that particular design. Read and follow the directions contained within SPR's Design Standard #32 20 00 - Play Area Design and the <u>most recent editions</u> of the ADAAG, CPSC and ASTM play area guidelines for accessibility, design and safety (as listed below) to complete the Contract Documents. (<u>Remove this Note</u>).

PART 1 - GENERAL

1.01 Description: Furnish all labor, materials and equipment required to install the play equipment and structures as indicated on the drawings or as approved and specified herein. The work shall include any incidentals required to provide a finished job.

1.02 Related Sections:

Section 03 30 00 - Cast-In-Place Concrete
Section 32 18 16.13 - Play Area Engineered Wood Safety Surfacing
Section 32 18 16.16 - Play Area Synthetic Safety Surfacing
Section 32 18 16.19 - Play Area Sand Surfacing

1.03 Reference Safety Guidelines and Standards: All materials and equipment shall conform to the current issue of the "*Handbook for Public Playground Safety*" published by the Consumer Product Safety Commission (C.P.S.C.) and ASTM F1487-Most Recent Edition. The manufacturer and installation contractor shall be responsible for correcting any product violations of the C.P.S.C. Guidelines and ASTM F1487-Most Recent Edition, to the satisfaction of the Engineer, should they be found after installation. 2010 ADA Standards for Accessible Design.

1.04 Quality Assurance: The Contractor shall have at least 3 recent (within the last 3 years) installations of Play Equipment and shall, within 48 hours of the Engineer's request, produce written proof of such. The Contractor must also be a Manufacturer Certified Installer and shall hold current National Playground Safety Institute Certification for Playground Safety Inspectors.

1.05 Submittals: The Contractor/Manufacturer's Representative shall submit for approval prior to delivery scaled drawings of each specified component including dimensioned plans, color charts, erection drawings, installation details, parts list, and technical data for correct assembly of all components, clamp details, and anchoring details.

1.06 Substitutions: The Contractor/manufacturer shall submit requests for substitutions per Division 01 requirements.

1.07 Warranties: The Contractor shall provide information on the equipment manufacturer's guarantee. Contractor shall warranty installation workmanship of all play equipment for a period of **two (2) years** starting on the date of Physical Completion of the Project.

PART 2 - PRODUCTS

2.01 General:

A. Equivalent Products - Requests for substitution of specific play equipment products shall conform strictly to Section 01 25 00 - Substitution & Product Option.

B. Site Specificity of Design - Equipment selection is based on specific program requirements, physical constraints within the site, and public input. Requests for Product Substitution may be subject to certain subjective criteria including (in no particular order);

1. Play value
2. Footprint
3. Color Availability
4. Geometry
5. Apparent Mass and/or Visual Density
6. Adherence to 2010 ADA requirements

2.02 Play Equipment:

A. ***Compound Play Equipment – Manufacturer's Name & Product or Model Numbers***

1. Individual Play Equipment Items, with Descriptions,
2. Independent Play Equipment - Manufacturer's Name & Product or Model Numbers.
3. Or, approved equals.

Per Drawing #xxxxxx and #xxxxxx, as manufactured by Name, Phone #, and Address, Color specification will be provided by the Engineer, from standard manufacturer's options, upon product submittal.

2.03 Finishes:

A. Polyester (Powder) Coating - The polyester coating shall be uniformly applied by the electrostatic method to a thickness of three to five mils. Promptly after application of the powder, the coating shall be oven-cured at 400 degrees Fahrenheit. The color(s) of the polyester coating shall be as selected by the Engineer from the manufacturer's standard and/or custom color selection charts.

B. Vinyl - The vinyl coating shall be oven-cured poly-vinyl chloride plastisol with a minimum thickness of 1/8". The coating shall contain ultraviolet inhibitors and mold resistors. The color(s) of the vinyl coating shall be as selected by the Engineer from the manufacturer's standard and/or custom color selection charts.

C. Galvanized Finish - All components calling for a galvanized finish shall be hot-dipped galvanized to the manufacturer's standard after fabrication. All galvanized surfaces shall be free of burs, splinters, and sharp edges.

D. Wood Preservation - All wood components shall be untreated or pressure-treated with a child-safe formulation suitable for use in playground equipment as approved by the Park Engineer. Wood preservatives containing toxic chemicals such as arsenic, pentacholorphenol, or creosote shall not be permitted. The wood preservative shall not change the color of the wood to which it is applied. The wood shall be pressure-impregnated by the closed cylinder vacuum pressure method of the American Wood Preserver's Association (AWPA) and shall comply with SPR‘s Design Standard for Wood Use in Parks. To access the information refer to SPR’s Standards website at www.cityofseattle.gov/parks/projects/standards.

2.04 Additional Hardware: Additional hardware shall be provided in sufficient quantity to complete assembly of the play equipment. All hardware shall be non-ferrous or if ferrous material is used shall be galvanized, electrostatic zinc plated or polyester powder coated in accordance with the approved manufacturer's standard. Provide the Engineer with any and all maintenance and repair supplies installation manuals, tool kits and materials shipped with each product for the Owner’s inventory.

PART 3 - EXECUTION

3.01 Examination of work area - Examine the areas and conditions under which work of this Section will be performed. Verify safety zones of all equipment before setting posts in concrete footings. Do not proceed until conditions detrimental to proper and timely completion of the work have been satisfactorily corrected and thus meet the manufacturer's instructions and the requirements as described above. Beginning work constitutes acceptance of conditions as satisfactory.

3.02 Installation of Compound Structures and Independent Activities:

A. Conform strictly to manufacturer's instructions using all appropriate materials, tools, and accessories as required. Use only experienced personnel trained in play equipment construction. The installer shall layout all equipment prior to construction to insure compliance with safety zone clearances.

B. Provide all concrete footings as required to properly place the equipment components. It is the Contractor’s responsibility to adjust drainage pipe or other new utility locations to accommodate the equipment footings.

C. Install Wear Mats under all swings and slide exits per Section 32 18 16.13 - Engineered Wood Safety Surfacing and per the plans and details.

3.03 Protection: During construction of the play equipment structures, provide PVC web fence material in sufficient quantities and wrap the structures to prevent public access onto the

equipment. Maintain the fencing wrap after completion of the play equipment and safety surfacing installation through Physical Completion of the project.

3.04 Inspection: Following the Engineer's inspection of the completed play equipment installation, perform repairs as necessary to meet or exceed the Engineer's requirements for fit and finish and the specifications and guidelines as referenced in 1.03 Safety Guidelines and Standards, above.

3.05 Warranty: The Contractor shall warranty that all work performed under this section shall be free from any defects in materials and workmanship. Upon notice in writing, within **two (2) years** of Physical Completion, from the Engineer to the Contractor shall, at no cost to the Owner, make all necessary repairs or replacements of the defective work in question. During this period of warranty, the Owner shall perform normal maintenance and cleaning of the play area equipment.

END OF SECTION