

PART 1 - GENERAL

1.1 Scope of Work

- .1 THIS SECTION IS INCLUDED FOR REFERENCE AND COORDINATION PURPOSES.**
- .2 Work in this section includes all materials, equipment, and labour for the installation of play and fitness equipment as shown on the Contract drawings.
- .3 Refer to Section 32 37 00 Exterior Site Furnishings for Basketball Hoop and Tennis Net System.

1.2 References

Latest references for:

- .1 ASTM A53 Specification for Pipe, Steel, Black and Hot-Dipped, Zinc Coated Welded and Seamless.
- .2 CSA G164-M Hot Dip Galvanizing of Irregularly Shaped Articles.
- .3 CAN/CGSB-1.40-M Primer, Structural Steel, Oil Alkyd Type.
- .4 CAN/CGSB-1.59-M Alkyd, Exterior Gloss Enamel.
- .5 CAN/CGSB-1.140-M Oil-Alkyd Type Red Lead, Iron Oxide Primer.
- .6 Aluminum Association Alloy AA 6063-T5 seamless extruded aluminum tubing.
- .7 OPSS MUNI 1004, Material Specification for Aggregates - Miscellaneous.
- .8 OPSS MUNI 1010, Material Specification for Aggregates - Base, Subbase, Select Subgrade, and Backfill Material.

1.3 Quality Control

- .1 Welding to CSA W59-I989, to be carried out by certified fabricator to CSA W47.1-I983 for steel welding, to CSA W47.2-I987 for aluminum welding.
- .2 Design, detail and fabricate steel in general to CSA S16.1.
- .3 All play equipment to CSA Z-614-07.
 - .1 Materials must meet or exceed The Township of Russell Accessibility Design Standards and ASTM F1292-13, ASTM F2075-15, CAN/CSA Z614-14 standards, and Annex H.

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- .2 The labels - rigid permanent material, should be UV stable and scratch resistant and should be bilingual (English and French), must include date of manufacture, manufacturer contact information, intended user age group for equipment.

1.4 Submittals

- .1 Submit product data in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit shop drawings in accordance with Section 01 33 00 - Submittal Procedures.
- .3 Indicate dimensions, sizes, assembly, anchorage and installation details for each furnishing specified.

1.5 Closeout Submittals

- .1 Submit maintenance data, including maintenance kits, and applicable manuals, as well as drawings, warranty and CSA Compliance Certificate to the Contract Administrator for the use of the Township of Russell.

1.6 Coordination

- .1 Layout and installation of exercise equipment and play structures to be coordinated with installation of safety surfacing and concrete pad.
- .2 Coordination to be done through the shop drawing process for installation and verified required dimensions are met.

1.7 Utility Lines

- .1 Before commencing work, it is the contractor's responsibility to establish locations and extent of underground utility lines in area of excavation. Notify the Consultant and/or Owner's Representative of findings.
- .2 The location of utility lines will be at the cost of the contractor by means of private underground service locating company as required. Any damage to existing utility lines will be at the cost of the contractor.
- .3 Known underground and surface utility lines are indicated on drawings. No guarantee is given of completeness or accuracy.
- .4 Make good and pay for damage to existing utility lines resulting from work.
- .5 Indicate all located utilities lines and/or services on record drawings.

1.8 Protection.

- .1 Provide adequate protection around bench markers, layout markers, survey markers and geodetic monuments.
- .2 Provide protection to ensure no damage to existing facilities and equipment situated on site.
- .3 Effect approved measures to minimize dust as result of this work.

1.9 Delivery, Storage and Handling

- .1 Deliver, store and handle materials in accordance with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
 - .1 Store materials in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .2 Store and protect equipment from nicks, scratches, and blemishes.
 - .3 Replace defective or damaged materials with new.
- .4 Stockpile fill materials designated by the Consultant and / or Owner. Stockpile granular materials in manner to prevent segregation.
- .5 Protect fill materials from contamination.
- .6 Do not stockpile excavated material to interfere with site operation or drainage.

1.10 Waste Management and Disposal

- .1 Separate waste materials for reuse and recycling in accordance with project Waste Management Plan.
- .2 Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .3 Collect and separate for disposal paper, plastic, polystyrene, corrugated cardboard, packaging material in appropriate on-site bins for recycling in accordance with Waste Management Plan.
- .4 Separate for reuse and recycling and place in designated containers Steel, Metal, Plastic waste in accordance with Waste Management Plan.

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- .5 Fold up metal banding, flatten and place in designated area for recycling.

1.11 Play Equipment Procurement and Installation

- .1 Play Equipment and installation is pre-purchased and covered under a cash allowance, refer to 00 21 00 - Instructions to Tenderers and 01 21 13 - Allowances.
- .2 Play and Fitness equipment will be supplied and Installed by the following companies:
 - .1 Openspace Solutions Inc., Contact: Erin Nadeau, phone 1 226 929 3875, email: eric@openspacesolutions.com.
 - .2 Playground Planners Inc., Contact: Shannon Swinimer, phone 1 613 828 5502, email: Shannon.Swinimer@playgroundplanners.com
- .3 Maintenance Kits: Supplier is responsible to provide the following tools and products in the form of a kit or box.
 - .1 Graffiti remover with instructions
 - .2 Touch-up paint for all colours and fine grit sand paper
 - .3 One (1) set of keys or special tools required for maintaining the structure for all hardware
 - .4 One (1) copy of the warranty certificate for the Township of Russell's file.
 - .5 Five (5) sets of spare hardware and one (1) set of end caps for each colour.

1.12 Tests and Inspections

- .1 Independent Inspection/Testing Agencies approved by the Owner's Representative, will be engaged by the Township for the purpose of inspecting and/or testing portions of Work.
 - .1 Inspections/Testing to be sufficient for complete coverage of Work.
 - .2 Cost of such services will be borne by the Township.
- .2 Certified playground inspector must inspect the installed play structures, components and their layouts and provide written documents to the Township that they meet or exceed the latest ASTM, CSA standards (CSA Z614) including Annex H at the conclusion of the project.
- .3 Inspection timing: There is to be a minimum of 2 (two) inspections.

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- .1 The first inspection shall include a review of the subsurface installation including all welds, stringers, fasteners and other installation details and components, upon their completion but prior to the installation of playground safety surfacing. All identified issues and deficiencies are to be corrected before further installation may occur.
 - .2 The second inspections shall occur upon the completion of the assembly and installation of all playground components including play structure, playground safety surfacing, playground edging, accessible ramps and routes.
 - .3 The playground installer must be present for all inspections.
 - .4 Employment of inspection/testing agencies does not relax the responsibility to perform Work in accordance with the Contract Documents.
 - .5 If defects are revealed during inspection and/or testing, the appointed agency will request additional inspection and/or testing to ascertain full degree of defect. Correct defect and irregularities as advised by the Consultant and/or Owner's Representative at no cost to the Township. Pay costs for retesting and reinspection.
 - .6 Notify the appropriate agency and Consultant 48 hours in advance of the requirement for tests, in order that attendance arrangements can be made.

1.13 Payment

- .1 Installation of play equipment to be certified prior to payment for play structure (excludes exercise equipment).
- .2 If installation of safety surfacing holds up certification, payment may proceed after approval by Consultant.

PART 2 - PRODUCTS

2.1 Play Areas and Components General

- .1 Work to be completed in accordance with information provided and approved shop drawings. Verify on site dimensions and fitness of all Play Equipment before ordering. Contractor is responsible for obtaining all necessary inspections and approvals. All components to be guaranteed to comply with latest CSA standards and Annex H.
- .2 All equipment compliance to latest CSA standards and Annex H.
- .3 Layout and Components to fit in play area configuration.
- .4 Provide full shop drawings for approval.

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- .5 Colours to be confirmed and approved by the Owner's Representative.

2.2 Equipment by Openspace Solutions Inc.

- .1 Jambette Playground Equipment
 - .1 Play Structure, M-21039-5HAB
 - .2 2 BAY Arch Swing, L-06014
 - .3 Maintenance Kit included.
- .2 Jambette Fitness Equipment
 - .1 The Flex Wheel/The Twister, Z-13000
 - .2 Steering Wheels (Tai Chi), Z-13001
 - .3 The Walker, Z-13002
 - .4 The Pendulum, Z-13003
 - .5 Recumbent Bike, Z-13005
 - .6 Simple Situp, Z-19000
 - .7 Maintenance Kit included.

2.3 Equipment by Playground Planners Inc.

- .1 Little Tykes Commercial Rock N Ship with Ramp and Deck Edge Simulator – Model # 200202581
- .2 Maintenance Kit included.

PART 3 - EXECUTION

3.1 Installation

- .1 General Contractor to coordinate on site layout review during and or after play pit installation with the applicable equipment installers to ensure compliance requirements before proceeding with the installation.
- .2 Date of Installation to be provided to the Contract Administrator a minimum of 2 business days prior to installation.
- .3 Assemble furnishings in accordance with manufacturer's instructions, and approved shop drawings.
- .4 Install furnishing true, plumb, and anchored (using vandal resistant anchors) as indicated on approved shop drawings.
- .5 Touch-up damaged finishes to approval of Consultant.

3.2 Play Equipment Installation

- .1 Subsurface conditions
 - .1 All subsurface installation to be approved prior to proceeding.
 - .2 Coordinate and verify safety surface dimensions with play area installer.

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- .2 Resilient Fall Surfacing for Play Areas (EWF)
 - .1 Coordinate installation of play equipment with installation and levels required for the EWF installation.
 - .2 The Contractor must protect the existing elements and make good any areas affected.
 - .3 Play equipment
 - .1 The installation of play equipment in accordance to approved shop drawings and specifications. Installer to be an approved CSA installer for playground equipment. Contractor will be responsible for any changes required to make compliance.
 - .2 Contractor to co-ordinate the site work execution and completion with the installation of the play structure & inform the Owner's Representative of any changes in the schedule.
 - .4 Optional rubber surface, refer to specifications for Poured-in-Place Rubber Surfacing.

3.3 Fitness Equipment Installation

- .1 Assemble and install equipment in accordance with manufacturer's instructions, and approved shop drawings.

3.4 Protection After Completion

- .1 Protect and maintain site furnishings including accessories, until acceptance of project work.
- .2 Immediately remove from site, damaged furnishings and accessories. Replace repair, refinish or otherwise make good to approval of Consultant.

3.5 Play Equipment Installation Inspections

- .1 Township will have an independent inspector of playground equipment to verify compliance. Contractor to inform the Owner's Representative of completion schedule to coordinate the independent inspection. Refer also to 1.13 Tests and Inspections.
- .2 Identified deficiencies, if applicable, will be communicated electronically in writing to the Contract Administrator, and the Contractor for relay to the installer and manufacturer of the equipment.
- .3 The Contractor assumes all liability associated with the play equipment until such a time as the play equipment has passed a final inspection by the Inspector and the Township of Russell.
- .4 The Contract Administrator will coordinate subsequent inspections until all deficiencies have been addressed.

- .5 Contractor price shall include full cooperation and coordination with the installers for applicable mobilization, installation and inspection until the playground has been approved by the certified playground inspector and reviewed and inspected by Township staff.
- .6 Upon inspection and receipt by the Township of Russell of all closeout submittal items, the Play Equipment is taken over by the Township of Russell for maintenance.

END OF SECTION