

Alberta Community Installation Guide



Dear Community Installation Participant,

Congratulations on your decision to do a community installation playground project. This guide has been created to assist you in organizing and preparing for your installation date. Preparing for an installation will aid you and your volunteers in having a fun and efficient time building your playstructure. If you have any questions after reading through this installation guide, please feel free to contact our Project Coordination Team at:

Toll Free 1 (866) HABITAT (422-4828)
or e-mail info@habitat-systems.com

Step 1 - Preparing for Installation Day

Time Line: 4 Weeks Prior to Installation Day

Have you made plans for the following?

- 1) Safety Surfacing (Engineered wood fiber, shredded rubber, pea gravel, sand, poured-in place, or tiles)
- 2) Borders (Surrounding playground safety area)
- 3) Post-Hole Layout and Drilling
- 4) Check for Underground Services (Electricity, Gas, Phone, etc.). Call Alberta One-Call at toll free 1 (800) 242-3447.

Step 2 - Organizing your Concrete

Time Line: 3-4 Weeks Prior to Installation Day

Concrete

Contact a local ready-mix concrete supplier to deliver the required amount of concrete in the afternoon on final installation day, ideally between 2pm - 4pm.

_____ Cubic Feet
or _____ Cubic Yards
or _____ Cubic Metres
(see playground proposal)

For very small quantities of concrete, it may be possible to hand-mix the concrete on site in a wheelbarrow. Each bag of concrete from the local building supply store makes approximately 0.44 cubic feet, or 2.27 bags per cubic foot

Step 3 - Organizing your Volunteers & Tool Requirements

Time Line: 2-3 Weeks Prior to Installation Day

Volunteers

The size of your playstructure will determine the number of volunteers that you will require for your community installation. Typically, volunteer groups fall into one of three categories which are:

10-15 People

15-30 People

30-50 People

Tools

The following tool supply lists (see flip page) have been created based on the size of your volunteer group. Choose the appropriate volunteer group and organize your tool list approximately 2 - 3 weeks before your installation date. Organizing your tools early will make your installation more efficient.

Tools	Tools by Number of Volunteers		
	10-15	15-30	30-50
Spade Shovel	4	4	6
25' Tape Measure	4	4	6
Permanent Marker	2	4	6
Utility Knife	2	4	6
Band Cutters	1	1	1
8' Step Ladder	1	2	3
Wheelbarrow	2	4	6
3/8" Ratchet	3/4	8	10
9/16" Deep Sockets	4	6	8
Open End Wrenches	set	1 set	1 set
9/16" Open End Wrenches	4	6	8
Rubber Mallets	1	2	2
Level - 4'	1	1	1
Level - 2'	1	2	3
Sledge Hammer	1	1	1
3/8" Cordless Drill	1	1	2
HSS drill bit set to 1/2"	1	1	1
1/4" HSS Drill Bits	2	4	6
Carpenter Hammer	1	2	2
10' pieces 2"x4" bracing	4	6	8
3 1/4" common nails	1/2 lb	1/2 lb	1/2 lb
Hacksaw w/ blades	1	1	1
Handsaw for wood	1	1	1



Step 4 - Suggested Installation Time Line

On the day before assembly and installation begins, a trailer will arrive on-site containing the playground equipment. Where possible, the trailer will be spotted to remain on site over the installation weekend.

	<i>Thursday</i>	<i>Friday</i>	<i>Saturday</i>
Activities	<p><i>Post-hole and site layout.</i></p> <p><i>Post-hole drilling and spoil removal (Bobcat and auger required).</i></p> <p><i>Truck should arrive with equipment to be spotted on-site (if possible).</i></p>	<p><i>Volunteers and tools required on-site, in shifts if desired.</i></p> <p><i>Equipment to be unloaded from trailer and unpackaged.</i></p> <p><i>Assembly and construction begins all under the supervision of Habitat's installation supervisors.</i></p>	<p><i>Completion of installation and construction.</i></p> <p><i>Once structure is plumb and level, pop rivets are installed.</i></p> <p><i>Concrete to be delivered and poured into footings by wheelbarrow (up to half dozen wheelbarrows preferred).</i></p>
Volunteers Required	<i>10 - 15</i>	<i>1 volunteer per footing to a maximum of 50 people</i>	<i>If not complete, same as Friday</i>
Tools Required	<i>Bobcat with auger, shovels & wheelbarrows (to clear spoils)</i>	<i>See tool list above</i>	<i>See tool list above</i>