



**106PS-00016**  
Plant-n-Play  
Playground

## Installation Instructions PlantnPlay

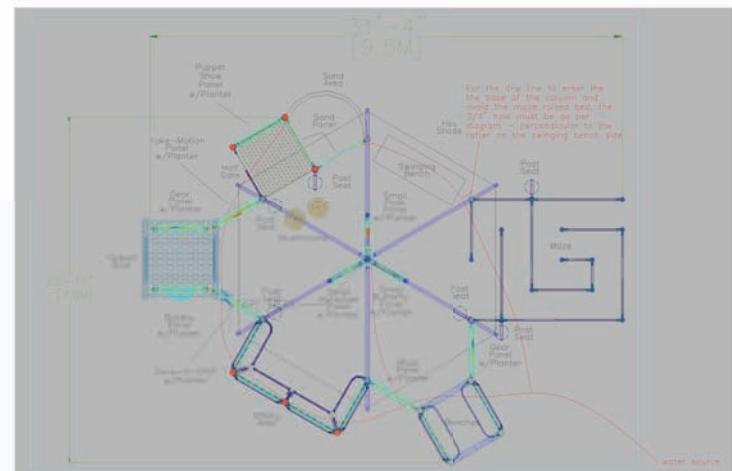
**The best orientation to the sun:** to get the best sun light to most of the planters, face the Garden Maze to the east, which maximizes sun light to most planter and put The Garden Swing is the shade more of the time with is being north east.

**Shade cover options:** one option is the regular shade canopy, the other option is a cable cobweb system – where vines grow over the top of the structure, and you just have to wait a few years to get leafy shade.

**Potential drain issue:** if the soil does not drain well, then water standing in the water sand box will be an issue. So before construction begins, estimate where the sand box is going to go and dig a hole and fill with water to see if it drains within an hour. If it doesn't then a drain pipe will need to be installed before synthetic turf goes down.

## Order of installation:

1. Hook up freeze proof first so you will have water to cement in the unit and be ready to hook up the funny pipe.
2. **Planting the planters:** unpack the planter first and get the children involved in planting the planter boxes and hand watering. Buy 12 bags of potting soil or vegetable potting soil. Attaching signs for the different classroom gives ownership and get the faculty and children involved from the get go. Save back 2 of the long planter for the vine that go in The Arbor entrance – to grow up and over the arbor. The arbor vines should be perennial and evergreen if possible. These are the only 2 planter that are not interactive once the vines start growing over the arch.
3. **Hex 20 installed:** Install the hex 16 columns with the Hex 20 rafters and hook up the shade canopy if it is hot.
4. **Panel & benches on:** Install all the panels and benches TEMPORARY. Also attach the roof and arbor entrance trellis permanently. Do not install the armatures for the Garden swing – they will only be a head banger.
5. **Garden swing anchors installed:** If there is a concern about the amount of to/fro motion of the garden swing, now is the time to install the 2 chain anchors – that will hook to the bottom of the swing. In a straight line between the Garden Swing columns, install the chain anchors 14 inches from the column.
6. **Remove panels and benches:** After the cement has set up, remove the panels and benches
7. **Funny pipe install:** Trench and install the funny pipe as per diagram – to get drip lines to all the designated columns and raised beds.



8. **(Optional) Prep for synthetic turf:** Level and compact the # 57 stone and then level and compact the granite dust. This is a good time to drill the lower  $\frac{3}{4}$ " holes for the drip lines as per diagram, so the holes will be right at surface level before the synthetic turf goes down.
9. **Synthetic turf install:** In this option, there are 3 rolls of synthetic turf that are 35 feet long allowing for a 5 foot accessible path around the unit. The perimeter edge of the synthetic turf will be held down by the landscape timbers.
10. **Panels, planters, and benches installed:** after the synthetic turf is installed and the seams glue has set up, then set the landscape timbers as the perimeter of sand box and swing.
11. **Drip line hooked up:** with the planter boxes in place, drill a 3/8 inch hole for each drip line going to a planter box. Use a string with weight on it to fish out the string through the  $\frac{3}{4}$  inch bottom hole and then pull the drip line out the bottom hole. Punch a hole in the funny pipe with the provided tool and hook up the drip line that is coming out the bottom hole. On the top end of each drip line hook up 4 adjustable drip line emitters to each large planter box and 3 to the shorter planter boxes in the middle of the unit.
12. **Planter Boxes installed:**
  - A) For the Garden Maze there are 8 each 20"x8-3/4"x7-1/2" pre-assembled Planter Boxes, plus 13 each 29"x8-3/4"x7-1/2" pre-assembled Planter Boxes. Identify where the funny pipe comes through the Garden maze. Install the Planter Boxes right on the ground covering.
  - B) For the sand box install 2 each 48" reversible landscape timbers with 3 each 24" long stakes.

Behind the Garden swing install in parallel, 7 each 48" reversible landscape timbers with 9 each 24" long stakes.



13. **Install the Garden Porch Swing:** after you hook up the armatures for The Garden Swing, bolt the planter to the armature, and drill the hole for the drip line. Then hang the garden swing and hook up Garden Porch Swing anchors perpendicular to the ground into the bottom of the bench swing. Allow for about a 12 inch to/fro motion of the garden porch swing.
14. **Garden Stools installed:** Attach the 6 Garden stools as per design.
15. **Planter boxes in place:** take all the planter boxes that the children helped to plant and make a big deal out of putting them in place with each class if possible. **Do the following as training** to a designated staff. Some CDC now have naturalists or garden coordinator. Show how to stick the drip line emitters in the soil for each planter and turn the system on to adjust the emitter heads. Show how to set the timer, then turn on the timer and show how the freeze proof works.

Here is a list of things needed to package the irrigation for the Preschool Secret Play Garden

1. 100 feet of commercial grade funny pipe
2. The tool for puncturing the holes in the funny pipe
3. 1 frost proof (freeze proof) to attach to the existing line to the play garden site with 40 plus PSI
4. 1 two valve hose hook up to the frost proof valve
5. 1 forty lb PSI regulator valve
6. 1 fifty foot garden hose
7. 1 tool to trim funny pipe and drip line
8. 2 funny pipe T's
9. 1 timer to hook to the frost proof and into the funny pipe
10. 200 feet of  $\frac{1}{4}$  inch drip line
11. 120 emitters to hook to the  $\frac{1}{4}$  inch drip line
12. 120 drip line T's
13. 12 plastic connectors to get from funny pipe to drip line.