

CROUCH RECREATIONAL DESIGN INC.
SUPERVISED INSTALL REQUIREMENTS



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PRE-INSTALLATION / SUPERVISION REQUIREMENTS

1. Locate Underground Utilities (gas, water, phone, cable, sprinkler, etc.)
2. Proper protective area/ground space required is dug out to the proper depth with no more than 2% grade or flatter. Check with your Crouch Rec sales representative for dimensions.
3. Know the ground conditions (i.e. clay, sand, rocky, older footings, etc.)
4. Storage area for equipment and means of transportation to the job site.
5. Access for heavy equipment (trucks, crane, skid loader, etc.)
6. Any existing resilient surfacing **MUST** be removed from the installation site (sand, wood chips, pea gravel, rubber surfacing)
7. Footing holes **MUST** be dug a day prior to supervisions. Center stage footing pads **MUST** be poured two prior to supervisions.

TOOL LIST

1. Generator or Power source-electrical cords able to reach work site.
2. 2' X 2' Plywood cut into 8" X 8" squares-you will need one per footing hole.
3. Transit Level-for shooting footing holes
4. Shovels, post hole diggers, pick, and/or skid loader with auger-12" & 18" bits. **Please note:** Footing holes are to be dug out day prior to supervision.
5. Tamper for compacting dirt.
6. Wheelbarrow(s) for concrete pour.
7. Stepladder(s)-6' & 8'
8. Crane/Cherry picker/Front-end loader able to lift 20'-**Required for any slides over 9' tall and any tree-house hex roof(s)**. Check with your Crouch Recreation sales representative for slide heights and roofs.
9. Concrete-needed after all the equipment is up. Check with the supervised installer for delivery schedule/quantities.

HAND TOOLS

- **PLEASE NOTE:** One set of tools for every four volunteers, i.e.: 12 volunteers=3 sets of tools.
- Ratchet/Socket Wrenches
- Open end Wrenches
- Torx Head Wrenches & Sockets (T-27, T-30, T-45, T-55) Carried @ Lowes, Home depot, Menards.
- Power drills with metal drill bits-up to 9/16"
- Tape Measurers
- Levels (9" Magnetic, 2' & 4')
- Vice Grips & C-Clamps

HAND TOOLS (CONTINUED)

- Drift Pins/Alignment Punches
- Utility knives
- Hammers/Sledges-standard & rubber
- Screwdrivers
- Cordless Drills with 3" Tip Extensions
- 3/8" Nut Driver For Drills
- 3/8" Coarse Thread Tap (16 Threads per inch)

SUPPLIES

- Two 4' X 8' Sheets of Plywood: these will be used to make two tables near the construction site.
- Saw Horses: two sets will be used for the tables two additional sets may be needed.
- Upside down orange spray paint: ask for "marking paint" 3-4 cans.
- Caution tape or snow fences: to go around your structure at the end of each day until you have the job completed.
- 2' X 4"s: two 8' long for each 3', 4' or 5' high decks, two 10' long for 6' or 6'6" high deck, two 12' long for each 8' high deck.
- Wood stakes: for holding bracing in place. 1" X 2" X 18", one for each 2' X 4' plus 6 extras.
- Heavy duty extension cords: at least two, long enough to reach from the source of electricity to the work area.
- Ziploc bags: for sorting nuts and bolts, quart and pintsize.
- Liquid Hand Soap: to soak nylock nuts in prior to use. This will help insure that they do not freeze up when they are tightened.
- Hardware (nail aprons): Home depot or your local lumberyard will usually donate these to you if you explain what you need them for.
- Restroom Access (portable if necessary)

PLEASE NOTE

Crouch Recreational Design will assign a supervised installer to your project once the equipment is purchased. You will be given the installer contact information. **The night before a scheduled supervision please contact your installer to give them any needed directions and/or update them on any potential problems (weather, site problems/conditions, detours, ect.)**

Supervisions are generally done on a Saturday @ 8:00am. We provide a factory trained/certified installer to **supervise (6-10) skilled adult volunteers with tools**. The pre-ground preparation, drilling of the footing holes, proper number of volunteers and tools are **requirements**. Deviations from any of these requirements will result in extra fees.

HOW TO FIGURE AMOUNT OF CONCRETE YOU WILL NEED:

Match the letter next to the hole on your footing layout schedule on the "Footing Information" page. This will tell you the size of the footing. Count the number of each of the different size footings you have on your footing layout. Use the following table to determine the number of 80lb bags of ready mix concrete you will need. **GRAVEL MIX NOT SAND MIX!!**

- **12" DIAMETER FOOTING=2 BAGS PER FOOTING**
- **18" DIAMETER FOOTING=3 BAGS PER FOOTING**
- **20" DIAMETER FOOTING= 6-7 BAGS PER FOOTING**

To convert the number of bags to cubic yards, use the following formula:

The number of bags X .625/27CY

PLAYGROUND EQUIPMENT INSTALLATION PROCEDURE:

STEP ONE

If excavation is required it should be done as close to your install date as possible.

If underground drainage is required it should be installed after the site is excavated and before the equipment is installed.

STEP TWO

If your structure includes a "Center Stage" a concrete footing must be poured 2 days before the actual installation begins.

Installation of the equipment will begin in the excavated area; footings will be laid out and dug out. Post and decks will be erected, concrete will be poured in the footing holes and you will then be ready for step 3!

STEP THREE

If filter fabric is going to be spread prior to the spreading of wood fiber, rubber mulch, or pea gravel it should be done before you install your border, (i.e.: landscape timbers, concrete, etc.) Use the border to hold the outside of your fabric down.

Leaving an opening in your border will allow you to move your surfacing into the protected area. Once you have all of your protective surfacing in place, close off the opening of your border.

Keep in mind that the border is used to contain your surfacing. If you choose not to install a border around the protective area your surfacing will spread and require you to constantly add more material to your safety surface.

If at any time you have any questions about your supervised install please feel free to contact your

Crouch Recreation Sales representative at **800-747-7528**

ENJOY YOUR NEW PLAYGROUND!