

Chapter 16 - Gutters, Downspouts, and Conductor Lines

Things to Consider



Components

Gutters and Downspouts Conductor Lines

Timing & Prerequisites

- This phase of the project will begin when the porch railings are complete.
- This phase should be done before the concrete walks are poured.
- The House/Project Lead will work with the Habitat Supervisor to co-ordinate these volunteer activities.

Materials Needed
Conductor Lines
3" PVC Pipe
3" PVC Elbows
3" PVC Tees
3" PVC Receptors for Downspouts
3" PVC Receptors for Sump Pump
PVC Cleaner
PVC Glue
Strapping
Tapcon Screws
Gutter Guards
6" Gutter Guards

Phase Specific Tools Needed	
Description:	Quantity:
Framing	
○ Shovels	
○ Reciprocating Saw	
○ Impact Drill	

Activities

Install Gutters and Downspouts (Contractor)

The contractors will install the gutters and downspouts as soon as the siding is completed and the porch posts are wrapped and the railing installed.

Install Conductor Lines (Volunteers)

1. Layout the conductor lines.

If there are no gutters across the back of the house, the conductor lines will only be installed in the front of the house and as far back as necessary to connect the sump pump discharge.

The sump pump discharge should be installed as close to the house as possible. Place an elbow on the pipe close to the house and come straight down the wall.

2. Dig trenches for the conductor lines.

The lines need to be laid so that the pipes slope away from the house at a minimum slope of ½" per 12' of pipe.

3. Cut and dry fit the pipe.

The transition connectors should be installed within 6" of the finish grade but not below the finish grade.

4. Clean the ends of the pipe.

5. Glue the pipe together.

6. Strap the PVC pipe to the house using metal strapping and tapcon screws. The strapping will be installed just below the lowest elbow.

7. Bury the conductor lines. Do not leave an open trench.

Install Gutter Guards (Volunteers)

1. Starting at either end of the gutter, slide one edge of the first piece of gutter guard between shingle starter strip and the Ice and Water Shield until the front edge is flush with the front edge of the gutter.
2. Insert metal screws provided with the gutter guard down through the aluminum flange into the top edge of the gutter. Place 1 screw at each end of each piece of gutter guard.
3. Continue across the entire length of the gutter installing gutter guard pieces. Snuggly Butt each piece to the previous piece.
4. Using snips, cut the last piece to fit.

