

**STRUCTURAL SHOP
ROOFER//SR. ROOFER
Ref. Code: S-R-5**

BUILDING AND INSTALLING GUTTERS AND DOWNSPOUTS		
Activity	Hazard Identification	Required Precautions
1. Driving to and from work site.	1. Motor vehicle accident; striking pedestrians, bicyclists, or individuals using rollerblades.	1. Wear prescription lenses, if required, and seatbelt. Verify that all equipment on vehicle is secured properly. Stay alert for pedestrians, bicyclists, and individuals using rollerblades.
2. Using extension ladder.	2. Ladder collapsing; slipping/falling from ladder.	2. If possible, use hi-ranger or genie boom instead. Inspect ladder before use. Verify that ladder is properly assembled and that it is securely positioned on level ground. Use 1'-4' rule. Use OSHA decal to verify that ladder is in the proper position.
3. Using hi-ranger or genie boom.	3a. Falling out of bucket while working.	3a. Verify boom operator is certified. Use outriggers to level truck. Wear safety belt. Do not exceed weight limit of 500 lbs. in bucket. If moving genie boom more than a few feet at a time, lower bucket before proceeding. Do not drive genie boom over curbs, manhole covers, or anything other than level, hard ground. Do not lean out over railing.
	3b. Electric shock; electrocution.	3b. Stay clear of power lines and of lights on sides of buildings. Have someone stay on the ground to watch for hazards.
	3c. Running into obstacles such as tree branches, power lines, etc.	3c. Have grounds crew remove any tree branches that present hazards. Have someone stay on the ground to watch for hazards.
4. Working at heights.	4. Slipping/falling.	4. Use bucket truck if possible. Use safety-climbing gear. Use roofing jacks or ladder jacks when possible.

5. Working near electrical wires/power lines.	5. Electric shock; electrocution.	5. Avoid going near wires if electrical wires are close to work area, have insulator blankets installed before beginning job.
6. Installing gutters.	6a. Excessive wind could cause roofer to lose control of and/or drop gutter, with potential injury to workers and bystanders.	6a. Avoid working on windy days.
	6b. Stings from bees, wasps, and hornets.	6b. Before beginning work, survey work area for nests and hives. If nest or hive is present, contact exterminator.
7. Soldering.	7a. Burning self with torch.	7a. Wear safety goggles, gloves, coveralls, and leather chaps. Always burn away from yourself.
	7b. Starting a fire.	7b. Do not solder near flammable materials. Always keep fire extinguisher nearby and have a person stand by as firewatch.
	7c. Burns from hot solder dripping on self; flux burn.	7c. Do not reach to solder; stay level with area being soldered. Wear gloves, safety glasses, and coveralls.
	7d. Inhalation of fumes.	7d. Work in a well-ventilated area. Use exhaust fans and tubes for ventilation.
	7e. Using wrong solder can cause popping and splattering.	7e. Use correct solder for job.
8. Using hand tools.	8. Cuts, pinches, smashes, punctures, severing of fingers.	8. Keep tools in good condition. Inspect tools before use. Wear safety glasses. Work away from yourself. Use normal caution required for all hand tools.