

# MGI Gutter Standards

*\*Listed below our basic MGI Standards for our installations. There can always be situations that may change the standard of the installation.*

- Drain tile to be installed below the frost line about 8"-12" below grade. (Top no lower)
- Drain tile should be pitched and exit lower than the boot (ALWAYS with a pop-up or grate)
- Try to keep minimal black showing, in most instances boot should be installed less than a foot from grade.
- Extrude largest piece of gutter for job first to ensure material is used to its fullest. Load small coils as well
- When installing cover test the lowest pieces first to see if F-channel is needed, If F-channel is needed it should be used for the whole run. This will ensure that shingles won't get lifted or damaged. "Old" 3 tab shingles always use F channel for cover
- Use basic screen or larger mesh screen in valley's with armour guard (6"-9" each way of valley)
- Downspout extensions should be installed about 1.5-2 ft based on grade to get water away from the house\* Cut 45 degrees on extension. Keep extension elbow end lower to ground.
- Internal gutter brackets no further than 12"-18" apart
- Vampires always to be installed under shingle with a flat headed fastener (Spacing) between 24"-26"
- Strip flashing"always" needs to be added, if gutter drops below drip edge. Needs to be color of gutter or fascia.
- "Anytime " , drain tile is installed by M.G.I and gutter has no cover a strainer need to be installed, but make customer aware.
- If fascia is:
  - Angled: - installed with t-wedge or roof strap.
  - Angled stepped - installed with t-wedge or roof strap.
  - Stepped (over 2")-installed same way as plum application.
  - Stepped (under 2") - on upper step using t-strap or vampire for reinforcement
  - If needed can hang on lower step but should be at least a 6" gutter, always flash from drip edge down!!!
- To ensure that gutters drain properly, make certain they slope (**½ inch** for every **10 feet**) toward a downspout. For gutter runs longer than **40 feet**, it's best to pitch the gutter down from the middle to a downspout at each end.