



Between the World  
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## TECHNICAL BULLETIN No. 104

### Greenroof-Roofscapes® Project Guidelines

Every Greenroof-Roofscape® project is considered unique and very important, no matter how small or simple.

The following are items that all Sales Representatives and greenroof bidders need to be aware of, particularly if any roof warranty is required. Full systems warranties, comparable to other greenroof system suppliers, are available from Barrett.

1. The installer must be a Barrett Approved Contractor.
2. The plans and specs must be acceptable to Barrett Company.
3. All materials must be sold by Barrett Company or approved in writing by Barrett .
4. Engineered soil must be supplied by Skylands or a Barrett approved equal.
5. All plants must be approved and supplied by Emory Knolls Farms unless otherwise approved in writing by Barrett.
6. **Every project must have an Electric Field Vector Mapping (EFVM) survey** completed on the membrane, by an approved surveyor, before it is covered with over burden. Contractors must price this service into their bids.
7. Every greenroof must have adequate access to suitable water.
8. All perimeters, curbs and drains should be vegetation free for a width of two to three feet and separated from the soil with approved edging. These areas are to be covered with stone ballast, usually at 20lbs/sf., or concrete pavers.
9. An erosion control mat or soil consolidation must be installed over the soil on every Greenroof-Roofscapes® to resist erosion during the plant establishment phase.
10. Bidders must know their planting season. Planting season ends October 15th and does not start again until April 15th in most territories North of the Mason-Dixon Line. Plantings made out of season may have to be replaced at the installers expense.
11. It is important to remember that shaded areas of roofs will vary through the year and partial or totally shaded areas may need other types of plants. Also, salt water environments, cooling tower sprays, and rooftop equipment exhaust heat are among the many considerations to be made.
12. Most specifications require 80% survivability of the vegetation for one or two years. That requirement and liability belongs with the Approved Contractor and possibly with his landscape subcontractor. It is imperative the contractor include the significant costs associated with establishing and maintaining a greenroof for the one or two year warranty period required. This may require weekly visits by the contractor during dry spells.
13. The landscape installation contractor should be offering long-term maintenance contracts for greenroofs, either through their own labor force or subcontracted with an approved landscaper.
14. Consideration should be given to the installation of a drip irrigation system on most projects. They are inexpensive and will lessen the installers' maintenance expense.
15. Soil testing every year is fairly inexpensive and will help insure healthy long-lived vegetation. Building owners should consider this when establishing their maintenance program.

This list is not intended to be all-inclusive but a helpful guide. Any questions regarding greenroof applications should be directed to the Barrett Company, Millington, NJ office.