Green Roof Layer Structure

1. **Plants**
   Plants are selected for their shallow root systems, regenerative qualities, resistance to drought, frost and wind

2. **1/2” layer of Carlisle Growth Media**
   A special blend of soils for roof gardening. Designed to be light, retain soil moisture, and reduce soil compaction

3. **Enkamat 7020**
   Geogrid fabric used to reduce soil erosion on sleep slopes

4. **MiraDrain G4**
   Engineered specifically for green roofs, this product filters soil, retains moisture, and increases drainage

5. **1/8” Rubber Mat**
   The single piece of rubber provides a solid layer of waterproofing

6. **Ice and Water Shield**
   Roofing material made of a rubberized asphalt mixture. When nails penetrate the ice and water shield, the material creates a gasket effect on the shaft of the nail keeping the roof from leaking

7. **1/2” Oriented Strand Board (OSB)**
   Structurally engineered wood panel used as the foundation for roofing materials