



GeoSteel and GeoGrid Structures

General Installation Guidelines

- 1. Prepare foundation according to the site specific plans and specifications. Ensure base/pad is level and compacted and that the initial excavation is excavated to the required geogrid embedment length.**
- 2. Wire forms should be placed according to the plans making sure that adjacent baskets are overlapped a minimum of 2 inches. To assist in installation the baskets can be tied together to maintain proper alignment during backfill installation.**
- 3. Facing wrap can either be but is not limited to Geostar's MG100 GeoGrid for vegetated or temporary structures or galvanized wire mesh for permanent stone aggregate facing applications. The facing wrap should be rolled out parallel to the slope or wall face against the bottom and inside of the basket extending at least 1 foot past the back of the base of the basket with the remaining mesh laid over the top face of the basket.**
- 4. The primary GeoGrid reinforcement should then be placed and rolled perpendicular to the wall/slope face extending to the specified embedment lengths. The GeoGrid should then be cut at the specified length.**
- 5. After the primary and secondary reinforcements are installed and in place the wire form support struts should be attached. The support struts should be installed every 1.5 to 2 feet along each basket. The facing wrap may need to be slit to allow the struts to be affixed to the forms.**
- 6. After the struts are in place backfilling can begin. In vegetated/temporary applications soil is installed to the face and compacted according to the site plans which is generally a minimum 95% Standard Proctor density in maximum 6 inch lifts. In stone faced applications soil should be wrapped and separated by a needle punched nonwoven geotextile from the stone aggregate at the face of the basket.**
- 7. GeoGrid cannot be spliced to reach the specified geogrid length. Geogrid should also be pulled tight to remove any slack and wrinkles before backfill is placed.**
- 8. The backfill should be leveled across the entire length of geogrid embedment and should not slope towards the face of the welded wire structure.**
- 9. When the backfill reaches the top of the wire form the facing fabric should be pulled back over the top of the backfill. The fabric should remain taut during the installation of the next layer.**
- 10. Repeat the above steps until desired wall or slope height is reached.**

These installation recommendations are for reference and do not constitute engineering advice. The job specific plans and specifications take precedence during actual installation.

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