



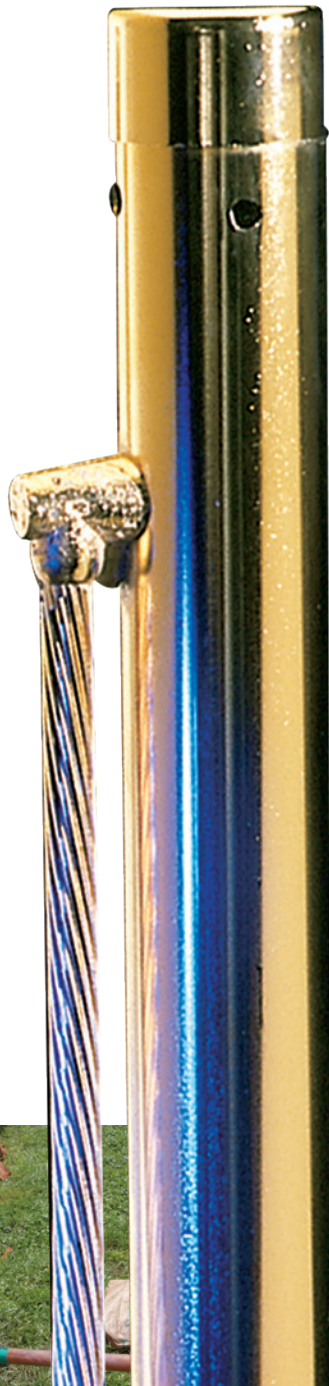
Grounding / Bonding Solutions • Surge Protection • Lightning Protection



The background image shows an industrial facility at night. In the upper portion, a drilling rig with several vertical mast sections is illuminated by bright lights. Below the rig, there are large, dark, circular structures, possibly storage tanks or basins. In the lower portion, a large, curved, metallic structure, likely a storage tank, is covered in a complex network of scaffolding. The overall scene is lit with warm, yellowish-orange light, creating a high-contrast, industrial atmosphere.

GROUNDING SOLUTIONS TIER ONE:

The most important and costly investment an organization makes is in their sensitive electronic equipment. As this equipment becomes more sophisticated and electrically susceptible, the need for an exceptionally low-resistance grounding system becomes crucial. It is in response to this requirement that ALLTEC developed the TerraDyne® Electrolytic Grounding System, TerraFill® Low Resistivity Grounding Backfill, TerraWeld® Exothermic Welding System, GroundGuardian® Active Floating Roof Tank Monitoring System, and other protection innovations. You can learn more at www.alltecglobal.com/products/grounding-bonding-solutions.



Electrolytic Grounding System (EGS)

TerraDyne®

TerraDyne® (EGS) is a multipurpose grounding system which may be used for virtually any application where the protection of machinery, electronics, and personnel are important.



FEATURES & BENEFITS

- Enhances Performance of Your Electronics
- Provides Ultra-low Resistance to Earth
- 24/7 Protection
- No Dependency on Ground Moisture
- Stabilizes Signal References
- Reduces the Risk of Injuries

PROTECT AGAINST

- Lightning
- Electrical Transients
- Static Discharges
- Electromagnetic Interference
- Other Electrical Hazards

TYPICAL APPLICATIONS

- Telecommunications
- Military
- Data Centers
- Oil & Gas

HOW IT WORKS

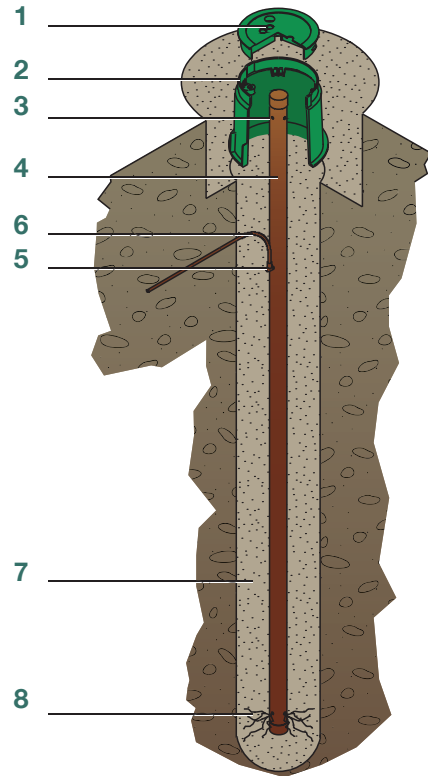
- TerraDyne® EGS effectively utilizes a hygroscopic process to acquire moisture from the atmosphere.
- The moisture and the nontoxic chemicals inside the electrode react and create an electrolytic solution.
- The solution leaches into the surrounding soil through carefully positioned ports
- Soil conductivity is improved and dramatically reduces electrical resistance between electrode and earth.
- The hole surrounding the TerraDyne® electrode is backfilled with TerraFill® (included in each kit) which lowers earth and electrode contact resistance.
- Typical ground rods are often ineffective when compared to the capabilities of the TerraDyne® EGS.

You can learn more at www.alltecglobal.com/products/grounding-bonding-solutions/terradyne

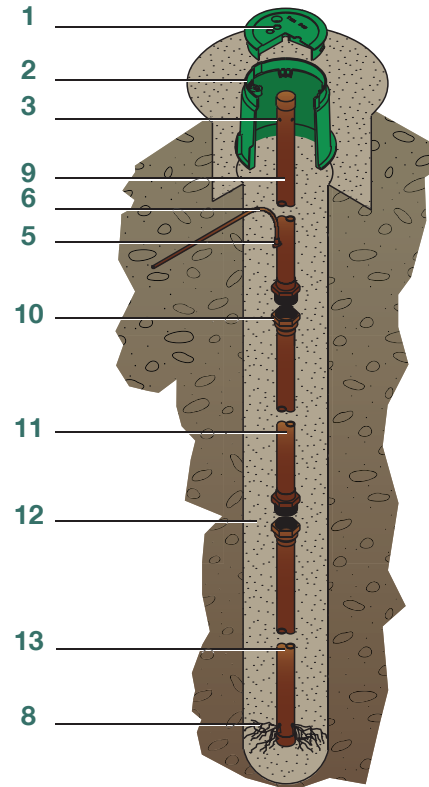




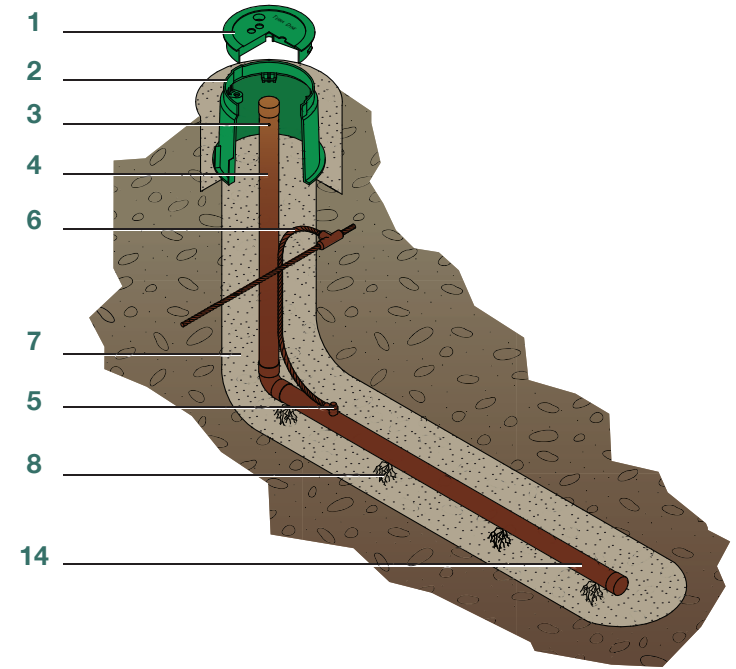
TerraDyne®



VERTICAL MODEL "S" Series



VERTICAL MODEL "Deep" Series



HORIZONTAL MODEL "L" Series

TERRADYNE® SERIES KEY

1 Vented Cover	5 Exothermic Connection	9 20'-0" Upper Electrode Section	13 20'-0" Lower Electrode Section
2 Protective Test Well	6 Copper Conductor	10 Copper Coupler	14 Horizontal Shaft
3 Vent Ports	7 TerraFill® Backfill	11 20' Body Sections (Quantities Vary)	
4 Vertical Shaft	8 Electrolytic "Routes" and Leach Ports	12 TerraFill® Deep Series Backfill (TF-50DS)	

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