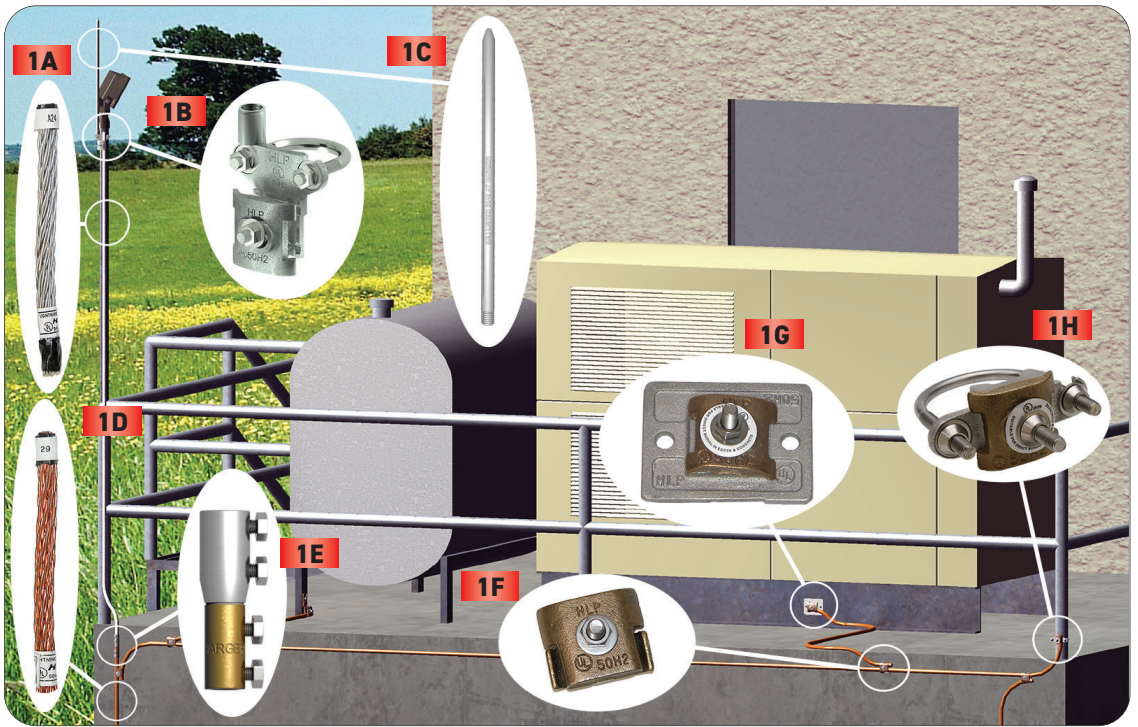


Water Wastewater Treatment Facilities

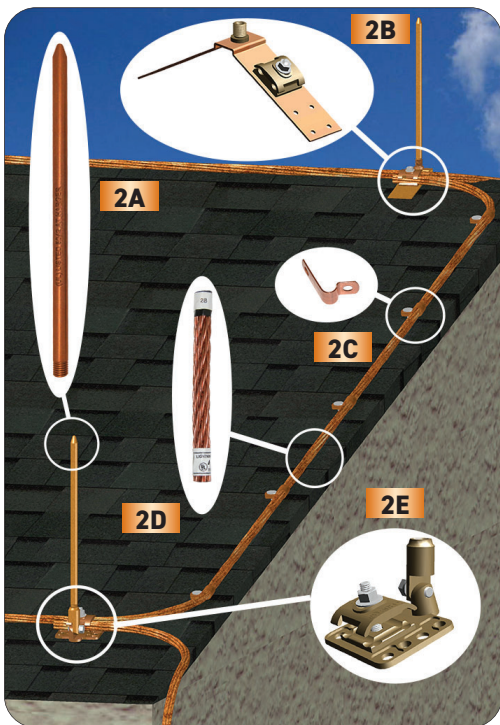


HARGER[®]

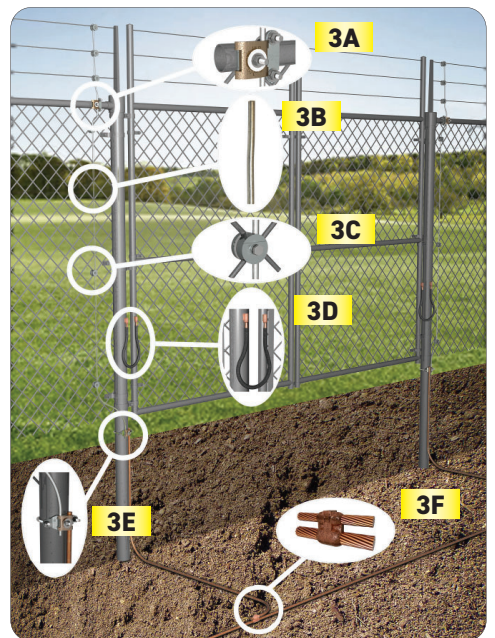
grounding • exothermic • lightning protection



- 1**
- 1A.** Aluminum LP Conductor
 - 1B.** Aluminum Pipe Railing Base
 - 1C.** Aluminum Air Terminal
 - 1D.** Copper Ground Conductor
 - 1E.** Bi-Metal Cable Connector
 - 1F.** Bronze One Bolt Cable Connector
 - 1G.** Tinned Bronze Bonding Plate
 - 1H.** CPC Series Pipe Clamp

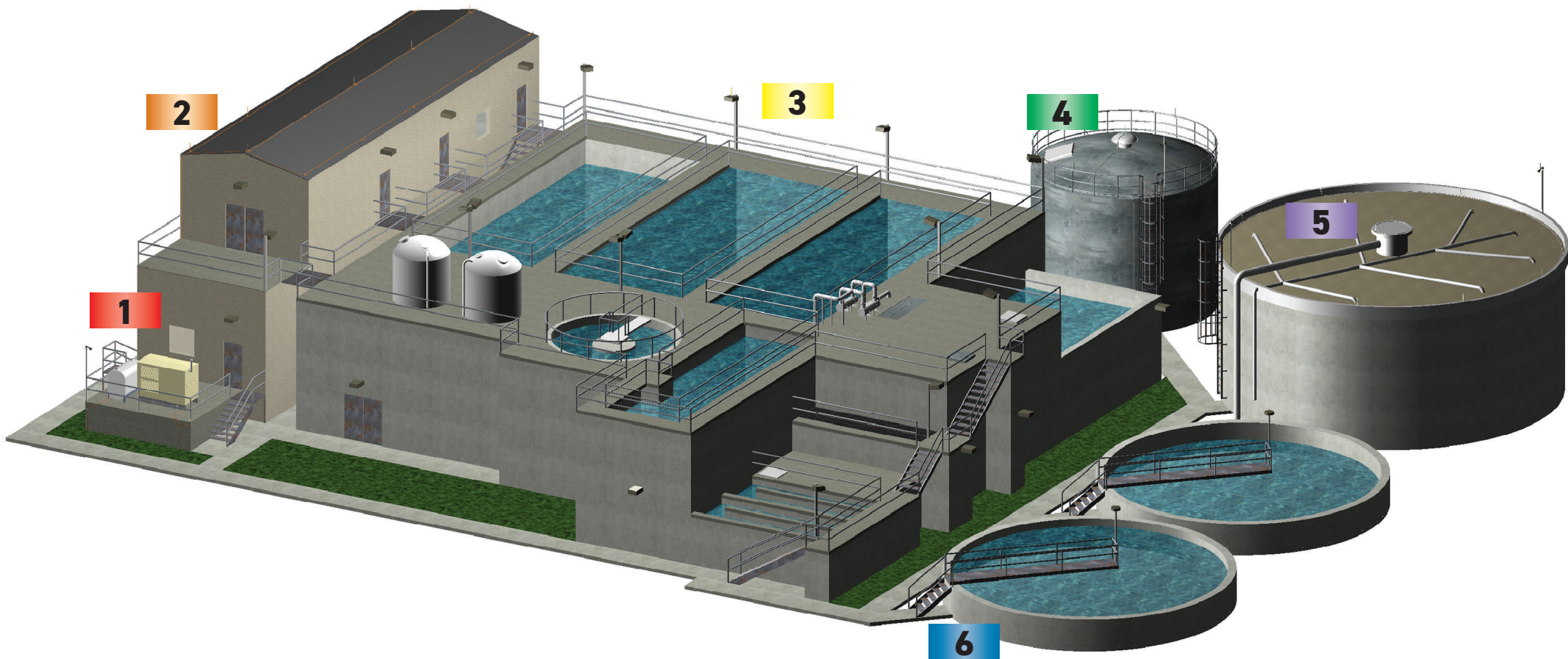


- 2**
- 2A.** Copper Air Terminal
 - 2B.** Copper Ridge Saddle Base
 - 2C.** Copper Cable Clip
 - 2D.** Copper LP Conductor
 - 2E.** Copper Swivel Air Terminal Base

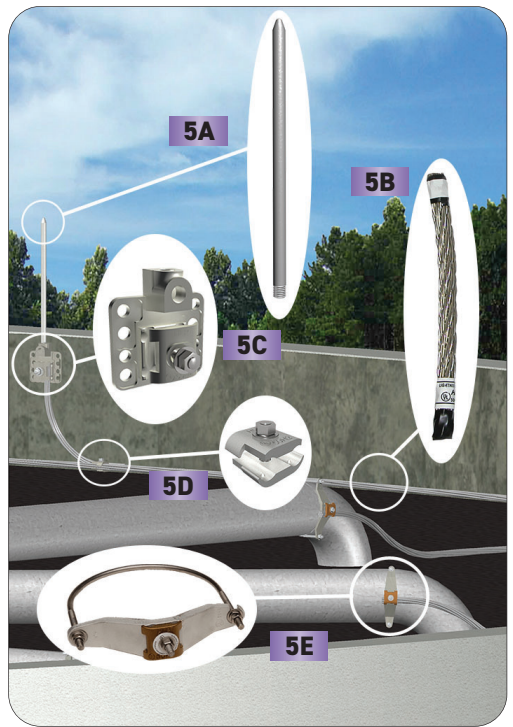
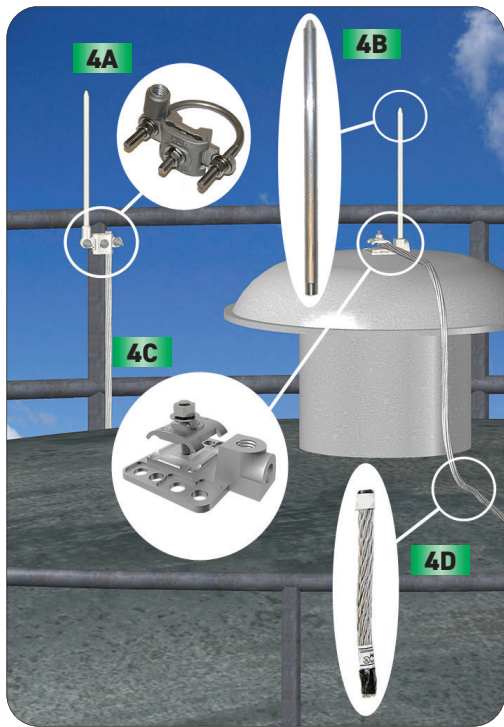


- 3**
- 3A.** CPC Series Pipe Clamp
 - 3B.** Tinned Conductor
 - 3C.** Flexible Grounding Clamp
 - 3D.** Flexible Gate Jumper
 - 3E.** CPC Series Pipe Clamp
 - 3F.** PT Ultraweld Connection

Harger provides a complete line of grounding, bonding and lightning protection products for water/wastewater treatment facilities. These operations are often highly corrosive environments and typically contain sensitive controls and operations equipment. They require materials to be carefully selected to ensure optimal performance and lifespan.

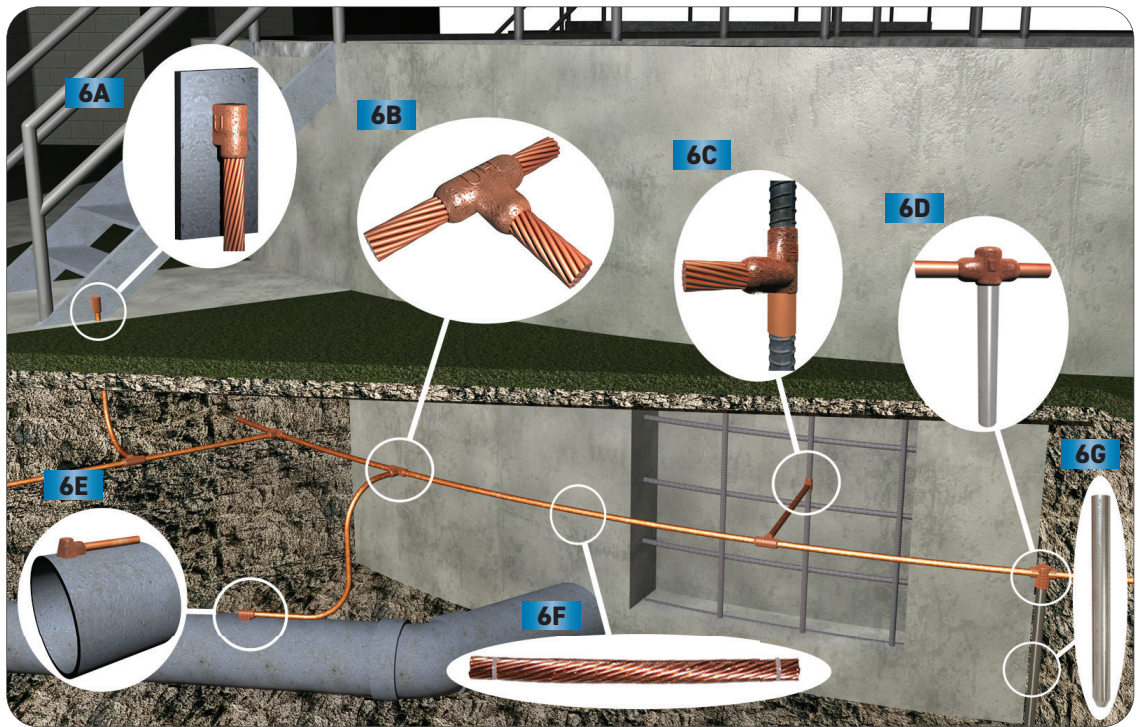


Harger's industry leading technical support team can design the optimal solutions for your facilities' requirements.



4 4A. Aluminum Pipe Railing Base
 4B. Aluminum Air Terminal
 4C. Aluminum Universal Base
 4D. Aluminum LP Conductor

5 5A. Tinned Air Terminal
 5B. Tinned LP Conductor
 5C. Tinned Universal Base
 5D. Tinned One Bolt Cable Connector
 5E. CPC Series Pipe Clamp



6 6A. VD Ultraweld Connection
 6B. RT Ultraweld Connection
 6C. RE Ultraweld Connection
 6D. GO Ultraweld Connection
 6E. HD Pipe Ultraweld Connection
 6F. Copper Ground Conductor
 6G. Stainless Steel Ground Rod

Exothermic Connections

Properly installed exothermic connections are essential to the grid integrity and system reliability for the life of the substation, as well as ensuring safe conditions for workers and the general public.

Harger offers two systems for making exothermic connections, UltraShot® & NUWTube®.

ULTRAWELD ULTRASHOT®

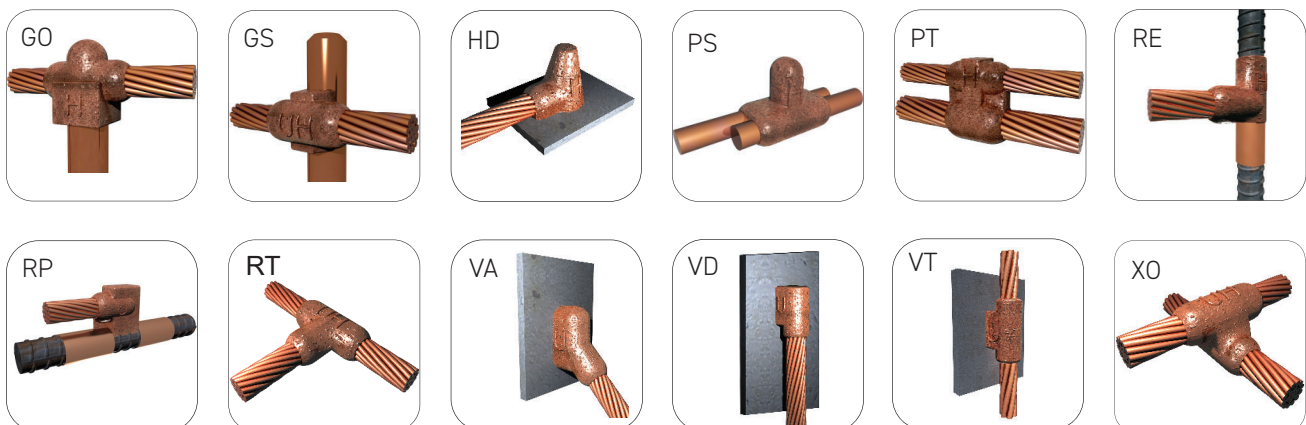


- The Drone, Harger's patented handheld electronic ignition system with audible ignition alert produces a high quality connection while eliminating issues associated with starting powder. Eliminating the use of starting powder drastically reduces emissions and extends mold life.
- The Drone uses a Milwaukee® M18™ REDLITHIUM™ 18 volt battery with built-in fuel gauge and makes over 1,300 connections on a single charge.
- The system provides superior safety by allowing the user to maintain a safe distance from the reaction during ignition.
- Reduces labor and material costs due to misfires.

ULTRAWELD nuw TUBE®



- Uses the traditional method of ignition with starting powder.
- Innovative dual chamber design keeps weld metal and starting powder separate until point of use.
- Reduces material and labor costs by eliminating migrating starting powder issues.





Your Ultimate Source for Engineered Solutions

For more than 60 years, Harger combines exceptional customer service and technical expertise to manufacture high quality products to assist with your projects from initial planning to completion.



Harger's corporate office and 66,000 square foot manufacturing facility located in Grayslake, IL.



Harger's 95,000 square foot manufacturing facility in Fairmont, NC.



grounding | exothermic | lightning protection

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