



2707 Satsuma Drive
Dallas, TX 75229
www.techlightusa.com
800-225-0727
214-350-0594 fx

INSTALLATION INFORMATION

This information deals with structures supplied by Techlight Inc along with certain safety issues. It is **not** a comprehensive description on how to install these structures. Installation contractors must be relied upon for equipment and practices that meet the conditions of each job location.

Techlight cannot be responsible for any damage that occurs during or after installation, or for any structure that has been modified by the purchaser or that is used in some way other than our application recommendations.

INSTALLATION

ANCHOR BOLT FOUNDATIONS

If anchorage hardware is furnished by others, the correct size and strength must be used. When leveling nuts are used, the bottom of the lowest leveling nut shall not be more than 1” from the concrete surface. Large spaces between the pole base plate and the concrete can cause excessive stresses in the anchor bolts.

GROUNDING and PROTECTION AGAINST ELECTRIC SHOCK

The purchaser and installer must provide proper electrical grounding and warnings about any electrical hazards in accordance with applicable codes.

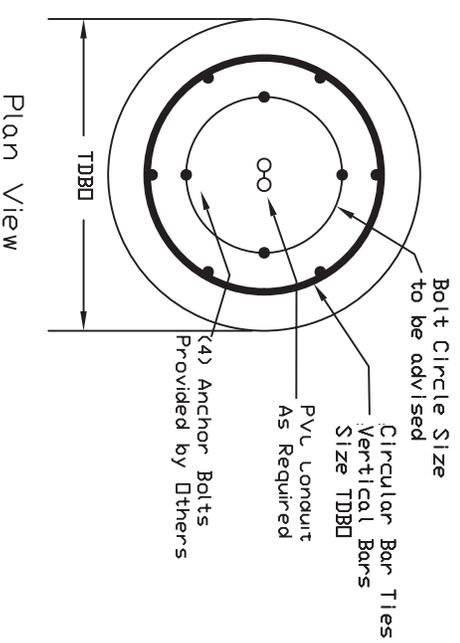
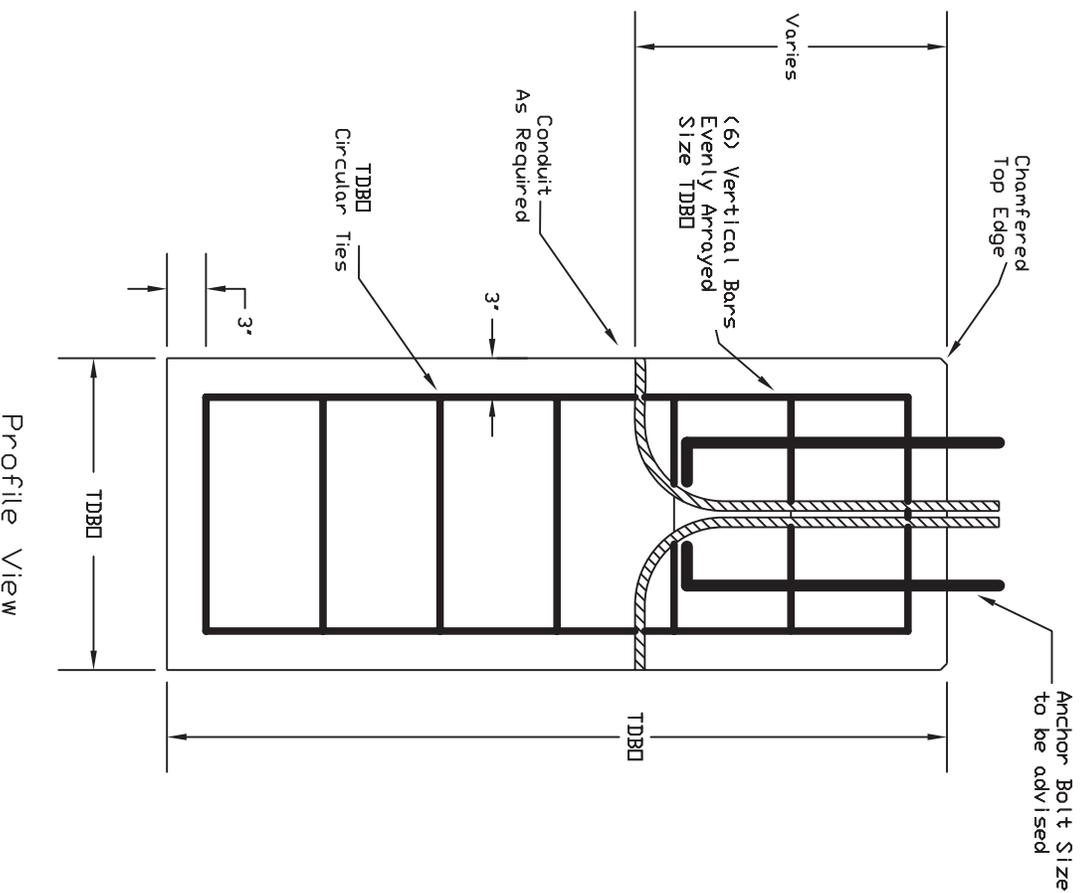
EFFECTS OF VIBRATION

Although rare, vibrations severe enough to cause damage can occasionally occur in structures of all types. Because they are influenced by many interacting variables, vibrations are generally unpredictable. There is no single cure that will assure the preventions of all modes of vibration. Vibration is believed to be more likely to occur when structures are installed without attaching the equipment which the structures are designed to support. The intended equipment or devices should be installed at time of erection. Steel poles have been less affected by vibrations than poles of other materials. However, the user’s maintenance program should include observation for excessive vibration and examination for any structural damage or bolt loosening.

INSTALLATION GUIDELINES

1. Attach sling to top of pole.
2. Attach luminaries and complete wiring.
3. Place leveling nuts and washers on anchor bolts.
4. Erect pole.
5. Position over anchor bolts and set on leveling nut washers.
6. Place anchor nuts and washers on anchor bolts and tighten once pole is plumb.

TYPICAL DESIGN Actual Design May Vary



Typical Light Pole Base Specifications Vary by Job

Minimum Concrete Strength - 4000 PSI @ 28 Days

Reinforcement to be determined by others

Reinforcement Steel as per ASTM-A-185 Grade 60

Design - Light Pole Base To Be As Manufactured By:

ACTUAL DESIGN OF PIER TO BE DESIGNED BY A QUALIFIED ENGINEER BASED ON SOIL AND WIND CONDITIONS SPECIFIC TO LOCATION OF POLE INSTALLATION