



*Martin Enterprises*

## General Utility Enclosure Installation Guideline

### Location

#### Pedestrian / Greenbelt /Light duty enclosure assembly- SCTE 77 TIER 5 construction.

**Vertical Load:** Design Load 5,000 lbs.  
Test Load 7,500 lbs.

**Lateral:** Design Load 600 lbs. /sq. ft.  
Test Load 900 lbs. /sq. ft.

#### Sidewalk / Medium Duty enclosure assembly-SCTE 77 TIER 8 construction.

**Vertical Load:** Design Load 8,000 lbs.  
Test Load 12,000 lbs.

**Lateral:** Design Load 600 lbs. /sq. ft.  
Test Load 900 lbs. /sq. ft.

#### Driveway / Heavy Duty enclosure assembly-SCTE 77 Tier 15 construction.

**Vertical Load:** Design Load 15,000 lbs.  
Test Load 22,500 lbs.

**Lateral:** Design Load 800 lbs. /sq. ft.  
Test Load 1,200 lbs. /sq. ft.

#### Driveway Heavy Duty enclosure assembly-SCTE 77 Tier 22 construction.

**Vertical Load:** Design Load 22,500 lbs.  
Test Load 33,750 lbs.

**Lateral:** Design Load 800 lbs. /sq. ft.  
Test Load 1,200 lbs. /sq. ft.

### Site Selection

The selection of the utility enclosure should be determined by the live load that the unit will see during the life of the enclosure. The exposure of pedestrian traffic and vehicle traffic should be considered when selecting the enclosure. The cover of the installed enclosure will bear most of the live load. The load on the cover under live loads will be transferred into the ring and down the side wall of the enclosure.

### Installation

The excavation site should be ten percent larger than the utility enclosure size. The migration of ground water should be considered when selecting the enclosure design. The base of the site should include at least four inches of crushed rock.

The enclosure should be placed in the excavation site with the top ring of the enclosure at grade level. If a backhoe is used during installation, the cover should be installed in the enclosure and the lift pins used for lifting the unit into place. For larger enclosures, lifting wire or lifting bolts are provided in the unit. Backfill material around the enclosure should be free of any foreign material. The dirt should also be free of large rocks or pavement material. Vibration tamping is recommended around the backfill site. Internal sidewall supports are recommended during the backfill process.

**Martin Enterprises assumes that proper engineering considerations have been made prior to selecting a utility enclosure. Martin Enterprises does not take responsibility for the installation practices, site selection or selection of the enclosure load rating**