

# ANSI/SCTE-77 General Installation Application Map

## APPLICATION

### Light Duty

Pedestrian Traffic Only

Vertical Test Load 13.3kN 3,000 pounds

### TIER 5

Sidewalk applications with a safety factor for occasional non-deliberate vehicular traffic.

Vertical Design Load 22.2kN 5,000 pounds  
Test Load 33.3kN 7,500 pounds  
Lateral Design Load 28.7kPa 600 pounds/sq.ft.  
Test Load 43.1kPa 900 pounds/sq.ft.

### TIER 8

Sidewalk applications with a safety factor for non-deliberate vehicular traffic.

Vertical Design Load 35.6kN 8,000 pounds  
Test Load 53.4kN 12,000 pounds  
Lateral Design Load 28.7kPa 600 pounds/sq.ft.  
Test Load 43.1kPa 900 pounds/sq.ft.

### TIER 15

Driveway, parking lot, and off-roadway applications subject to occasional non-deliberate heavy vehicular traffic

Vertical Design Load 66.7kN 15,000 pounds  
Test Load 100.1kN 22,500 pounds  
Lateral Design Load 34.3kPa 800 pounds/sq.ft.  
Test Load 57.5kPa 1,200 pounds/sq.ft.

### TIER 22

Driveway, parking lot and off-roadway applications subject to occasional non-deliberate heavy vehicular traffic

Vertical Design Load 100.1kN 22,500 pounds  
Test Load 150.1kN 33,750 pounds  
Lateral Design Load 38.3kPa 800 pounds/sq.ft.  
Test Load 57.5kPa 1,200 pounds/sq.ft.

**AASHTO H-20** Deliberate vehicular traffic applications

Certified precast concrete, cast iron, or AASHTO-recognized materials.



**Martin Enterprises** manufactures Ground Level Utility Enclosures that are designed to meet SCTE-ANSI 77 Tier 5, 8, 15 and 22 specifications. Martin Enterprises Ground Level Utility Enclosures should **NOT** be installed in areas that will expose the product to deliberate or heavy vehicular traffic. Martin Enterprises does not take responsibility for product failure caused by improper installation practices that do not meet industry standards. Certified precast concrete, cast iron or other AASHTO H10-44 or AASHTO H20-44 recognized materials should be used in deliberate or heavy vehicular traffic locations.



**Martin Enterprises**

"Your Underground Enclosure Experts"

MARTINFRP.COM