

CARSONITE PRODUCT SPECIFICATION

VISIPOST (3.50" TUBE) MARKER™

1 SCOPE

This specification covers the minimum material and performance requirements for the Carsonite Visipost™ Utility Marker. The Visipost shall be a cylindrical polymeric marker that can be used for the identification of buried utility services. These markers may be used in road right-of-ways and installations requiring 360° visibility, good outdoor durability, and impact resistance.

2 GENERAL

2.1 MATERIALS

The Visipost shall be comprised of polymer materials which are resistant to impact, ultraviolet light, ozone, or hydrocarbon damage. The post shall remain impact resistant in temperatures of -20°F to 120°F.

2.2 DESIGN

The Visipost shall incorporate a singular cylindrical tube construction. The marker shall be capped at the upper end and may utilize an anchor barb below ground level to prevent rotation and marker removal.

2.2.1 Dimensions

The Visipost shall have an outside nominal diameter of 3.5 inches. The nominal wall thickness shall be 0.150 inches and the overall length shall be 6 to 9 feet or as otherwise specified by the customer. The overall length shall include 18-24 inches for proper burial depth.

2.2.2 Color

The Visipost Marker shall be white, yellow, or orange in color. The color shall be pigmented throughout the entire cross section.

2.3 WORKMANSHIP

The Visipost shall exhibit good workmanship and shall be free of burns, discoloration, and other objectionable marks or defects that affect appearance or serviceability.

3 PHYSICAL AND MECHANICAL PROPERTIES

3.1 WEIGHT

The Visipost Marker shall have a linear weight between 0.635 and 0.645 pounds per foot.

3.2 TENSILE STRENGTH

The marker shall have a minimum tensile strength of 2700 pounds per square inch, as measured by ASTM D638 (specimen type I with separation rate of two inches per minute.)

3.3 STRENGTH RETENTION UNDER TEMPERATURE CHANGE

The Visipost Marker tensile strength shall not deviate more than 10 percent from the standard room temperature result when tested at both 120°F and -20°F after a minimum of two hours conditioning at the respective temperature.

3.4 STRENGTH RETENTION UPON OUTDOOR EXPOSURE

The Visipost tensile strength shall retain a minimum of 80 percent of the original strength after five years of actual outdoor exposure.

3.5 VEHICLE IMPACT RESISTANCE

A six-foot Visipost installed to a two-foot burial depth shall be capable of withstanding at least one vehicle impact at 45 mph. The marker shall return upright within 10° of vertical position within a maximum of 30 seconds from the time of impact. The warning legend shall be retained on the marker after each impact.

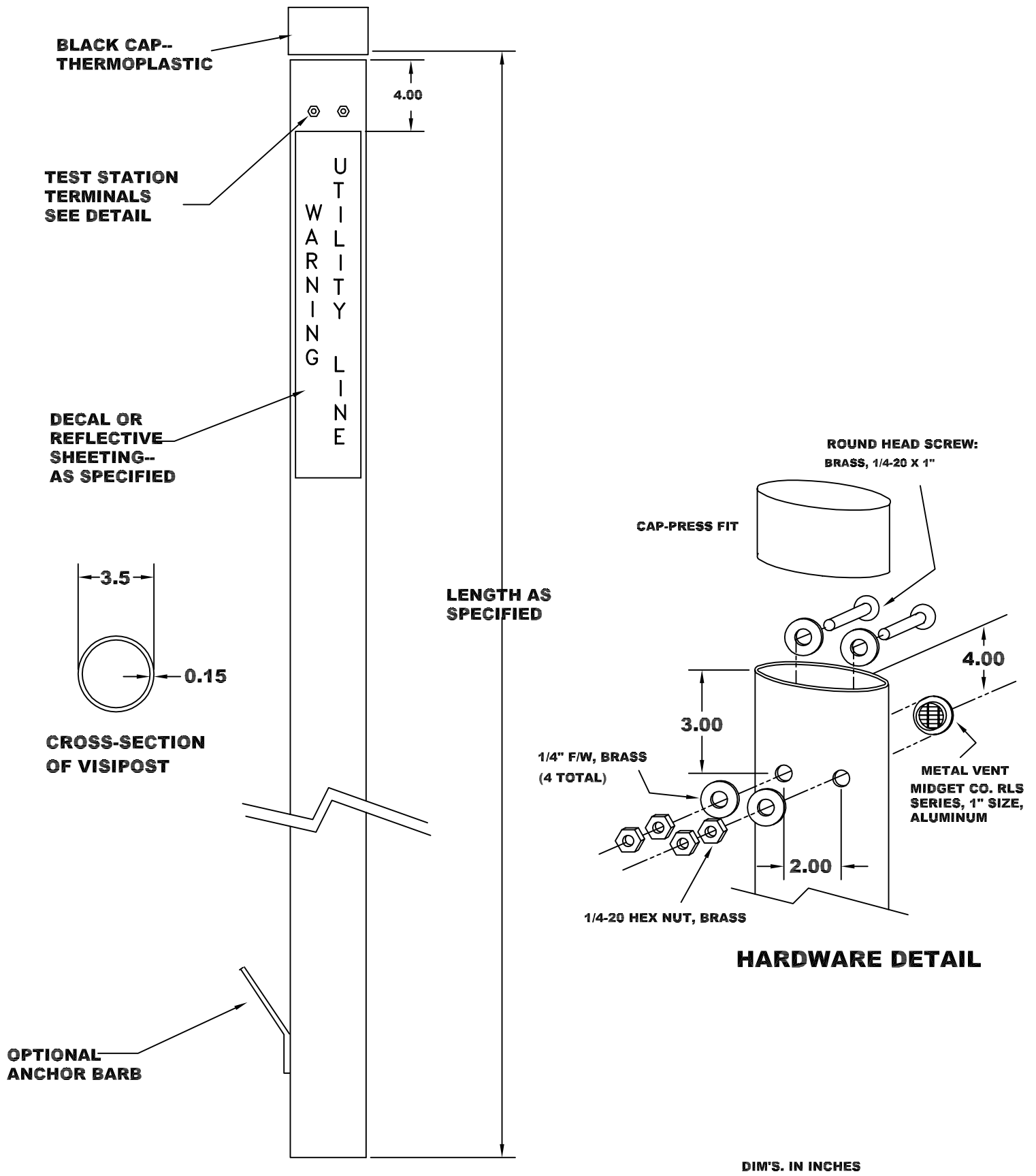


FIGURE 1