



# **Side of Pole Mount**

**Foundation Recommendation**

**Addendum 02**

## Foundation Recommendation Addendum

**Note:** The suggestions below are recommendations only. It is the installer's responsibility to validate foundation parameters prior to installation, as a local geotechnical report may be required to assess ground conditions. We recommend consulting with a local engineer familiar with local regulations and build site requirements, including soil conditions, terrain and load criteria (wind, snow, seismic). All of these parameters may impact foundation requirements.

**\*\*On installations in high loading conditions it is recommended to use options U-bolts in place of the adjustable banks, and a minimum 3" pipe size.**

**Note:** All Tamarack Side of Pole Mounts are engineered for a maximum height of 30' above grade, if mounted on a secure structure built for those heights, such as a telephone pole, light post, etc. Please refer to optional installation instructions for mounting to these structures.

### Mounting Pole Guidelines for 6' Height

Table 1

Part Number Side of Pole Mounts	Sch- 40 Nominal Pipe Required **2" (2 3/8" OD) to 4" (4 1/2 OD)
UNI-SP/01	2" – 4"
UNI-SP/01A	2" – 4"
UNI-SP/01XH	2" – 4"
UNI-SP/01XX	2" – 4"
UNI-SP/02	2" – 4"
UNI-SP/02A	2" – 4"
UNI-SP/02X	2" – 4"
UNI-SP/03	2" – 4"
UNI-SP/03W	2" – 4"

### Foundation Hole Guidelines

Table 2

Module Area	Max Wind Speed	Min. Hole Diameter	Min. Hole Depth	Min. Pole Depth
2 – 5 Sq. Feet	90 MPH, Exposure C	15"	24"	18"
6 – 10 Sq. Feet	90 MPH, Exposure C	15"	36"	30"
10 – 16 Sq. Feet	90 MPH, Exposure C	15"	36"	30"
17 – 25 Sq. Feet	90 MPH, Exposure C	18"	62"	56"

### Installation Recommendations

- Auger hole to minimum depth shown in Table 2
- 6" of hole should be filled with crushed rock or a blocking. This will prevent the pipe from touching the base of the hole, insuring complete encapsulation of the pipe when concrete is poured, as well as allowing for water drainage. See Fig. 1
- Pipe should be installed vertically no matter the slope of the install site.
- Make arrangements to prevent the pipe from twisting prior to pouring concrete.
- Pipe should be braced to remain plum until concrete has cured (at least 24 hours).

Figure 1

### Side of Pole Foundation Guideline Diagram

