



## GROUND FRAME SPECIFICATIONS

This information has been developed to assist in providing standard format specifications for site-specific projects. It is a guideline only, and may be adapted as appropriate to fit specific conditions or project designs.

### 1. GENERAL

#### 1.01 Scope/Description

Ground Frame foundations are minimal excavation foundations for use supporting 1 to 3 story, habitable construction, without basements.

- A. Applicable drawings, calculations, and technical specifications shall apply to all work under this section.
- B. The contractor shall furnish all materials, labor, equipment, and incidentals required to install Ground Frame foundations.
- C. Work includes preparing site grade; laying out foundation components; aligning, leveling, and connecting foundation components; setting and driving foundation pipes; and capping pipes.

#### 1.03 References/Standards

- A. ASTM A53 – Standard Specification for Pipe
- B. ASTM A153 – Standard Specification for Zinc Coating on Hardware
- C. ASTM A500 Grade B – Standard Specification for HSS Cold Formed Welded and Seamless Carbon Steel Structural Tubing.

#### 1.04 Delivery/Storage and Handling

- A. Contractor shall verify upon delivery that all the proper materials have been received.
- B. Contractor shall protect the materials from damage. See “Temporary Product Storage” in the



*Ground Frame Installations.*

**1.05 Submittals**

- A. Latest edition of Installation Instructions.
- B. Engineer stamped evaluation of foundation system capacities, and connection component details as specified per project site and supported structure.

**1.06 Quality Assurance**

- A. Geotechnical investigation and special inspection if required will be paid for by the owner.
- B. Materials Certs when required. Note: Specific projects may require milled/manufactured Domestic steel.

**2. PRODUCTS**

**2.01 Manufacturer/Installer**

- A. Pin Foundations, Inc. – Facility address: 3522 57th Ave Ct, Gig Harbor, WA 98335; Phone: 253-858-8809; Mailing address: 4810 Pt. Fosdick Dr., PMB 60, Gig Harbor, WA 98335.

**2.02 System Types**

- A. Ground Frame Columns: Hot dip galvanized, A500 Grade B, HSS, 6x6x1/4" wall tube. Part number GFC-125 (Formerly ST-125) with 1-1/4" nominal (1.67 actual OD) schedule 40 or schedule 80 galvanized pipe, in 50", 63" or 84" lengths. Hot dip galvanized, A500 Grade B, HSS, 8x8x5/16" wall tube. Part number GFC-200 with 2" nominal (2.375 actual OD) schedule 40 or schedule 80 galvanized pipe, in 42", 50", 63" or 84" lengths, with rubber top caps; Pipe length per engineer's capacity evaluation.
- B. Ground Frame Beams: Hot dip galvanized, A500 Grade B, HSS, 8x6x1/4" or 5/16" wall tube in specified lengths. Part numbers GFB-221, GFB-248, GFB-254, GFB-296 (or custom lengths) with 2" nominal (2.375 actual OD) schedule 40 or schedule 80 galvanized pipe in 42", 50", 63" or 84" lengths, with rubber top caps; Pipe length per engineer's capacity evaluation.