

GROUND FRAME™

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 is a minimal-excavation foundation system for use in supporting one- to two-story, Type V, light-frame 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 components.
- C.** Work includes preparing site grade; laying out foundation components; aligning, leveling, and connecting foundation components; setting and driving foundation pipes; and capping pipes. Sites are to be predominantly flat, bladed flat, or surface terraced.

1.02 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 Cold Formed Welded and Seamless Carbon Steel Structural Tubing

1.03 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 Installation Manual*.

1.04 Submittals

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

1.05 Quality Assurance

- A.** Geotechnical investigation and special inspection will be paid for by the owner.

2. PRODUCTS

2.01 Manufacturer/Installer

A. Pin Foundations, Inc. – Facility address: 2105 34th Ave. NW, Gig Harbor, WA 98335; Phone: 253-858-8809; Mailing address: 4810 Pt. Fosdick Dr. NW, PMB 60, Gig Harbor, WA 98335. Washington State GC License #PINO1825 QT.

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; pipe length per engineer's capacity evaluation.

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 Saddles: Hot dip galvanized, A500 Grade B, HSS, 8x6x1/4" wall tube. Part number GFS-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.

C. Ground Frame Beams: Hot dip galvanized, A500 Grade B, HSS, 8x6x1/4" wall tube in 48" and 54" lengths. Part numbers GFB-200/48, GFB-200/54, 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.