



# SQUARE FOOT®

## CSI SPECIFICATIONS

**BE  
SMART**



**BE  
SQUARE**

**IF YOU CAN BUILD IT,  
WE CAN HOLD IT!**

*Our unique, patented **SQUARE FOOT**® design provides increased stability and bearing capacity, provides superior resistance to uplift; facilitates rebar; and, levels easier than any other footing form on the market and meets or exceeds all building code requirements. Square footings are the standard of the construction industry and have stood the test of time for thousands of years.*

**Sound Footings, LLC May 2004**  
**37 Talcott Road**  
**PO Box 818**  
**Williston, Vermont 05495**  
**Phone (802) 764-2323**  
**Fax (802) 764-5605**  
**Website www.sqfoot.com**

## **Product Guide Specification**

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including MasterFormat, SectionFormat, and PageFormat, contained in the CSI Manual of Practice.

The section must be carefully reviewed and edited by the Architect or Engineer to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings.

Delete all "Specifier Notes" when editing this section.

## **SECTION 03115**

### **SQUARE FOOTING FORMS**

***Specifier Notes: This section covers Sound Footings "Square Foot"® engineered, prefabricated, permanent, plastic, square footing forms for concrete. Consult Sound Footings for assistance in editing this section for the specific application.***

#### **PART 1      GENERAL**

##### **1.1 SECTION INCLUDES**

A. Prefabricated, plastic, square footing forms for concrete.

##### **1.2 RELATED SECTIONS**

***Specifier Notes: Edit the following list of related sections as required for the project. List other sections with work directly related to this section.***

- A. Section 02300 - Earthwork.
- B. Section 03105 - Round Concrete Column Forms.
- C. Section 03300 - Cast-in-Place Concrete.

### 1.3 REFERENCES

**Specifier Notes:** List standards referenced in this section, complete with designations and titles. This article does not require compliance with standards, but is merely a listing of those used.

- A. ACI 301 - Standard Specification for Structural Concrete.
- B. ICBO Evaluation Service ES Report ER-6073.

### 1.4 SYSTEM DESCRIPTION

- A. Engineered, prefabricated, permanent, square footing forms shall be attached to round column forms, braced, plumbed, backfilled, and filled with concrete to make monolithic pier and footing units.

### 1.5 SUBMITTALS

- A. Comply with Section 01330 - Submittal Procedures.
- B. Product Data: Submit manufacturer's product data and installation instructions.
- C. Shop Drawings: Submit manufacturer's shop drawings, indicating footing form and round column form dimensions and reinforcement.

### 1.6 QUALITY ASSURANCE

- A. Formwork and Form Accessories: ACI 301, unless otherwise specified.

### 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage:
  - 1. Store materials in accordance with manufacturer's instructions.
  - 2. Keep interior surface of footing forms clean.
- C. Handling: Protect materials during handling and installation to prevent damage.

## **PART 2 PRODUCTS**

### 2.1 MANUFACTURER

- A. Sound Footings, LLC, 37 Talcott Road, PO Box 818, Williston, Vermont 05495. Phone (802) 764-2323. Fax (802) 764-5605. Website [www.sqfoot.com](http://www.sqfoot.com).

### 2.2 SQUARE FOOTING FORMS

- A. Square Footing Forms: "**Square Foot**"<sup>®</sup> footing forms.

1. Description: Engineered, prefabricated, permanent, footing forms for concrete.
  2. Material: Polypropylene.
  3. Shape: Square base that tapers up to conical shape to allow for round column forms to be attached to top of footing forms.
  4. Holes: Concrete placement air vent holes and reinforcement bar tie holes.
  5. Bottom Flange: Anchor footing forms in position.
- B. Identification:
1. Model number engraved on base.
  2. Labels attached indicating ICBO evaluation service report number ICBO ER-6073.

**Specifier Notes: Specify Square Foot<sup>®</sup> footing form Models SF 22, SF 28, or SF 32. Delete models not required.**

**C. Footing Forms: Model SF 22.**

1. Base Interior Dimensions: 22 by 22 inches (555 by 555 mm).
2. Base Height: 16.6 inches (420 mm).
3. Accommodate Round Column Form Nominal Diameters:
  - a. 8 inches (203 mm).
  - b. 10 inches (254 mm).

**D. Footing Forms: Model SF 28.**

1. Base Interior Dimensions: 28 by 28 inches (710 by 710 mm).
2. Base Height: 20 inches (510 mm).
3. Accommodate Round Column Form Nominal Diameters:
  - a. 8 inches (203 mm).
  - b. 10 inches (254 mm).
  - c. 12 inches (305 mm).

**E. Footing Forms: Model SF 32.**

1. Base Interior Dimensions: 32 by 32 inches (810 by 810 mm).
2. Base Height: 21.1 inches (540 mm).
3. Accommodate Round Column Form Nominal Diameters:
  - a. 12 inches (305 mm).
  - b. 14 inches (356 mm).
  - c. 16 inches (406 mm).
  - d. 18 inches (457 mm).

**2.3 ACCESSORIES**

- A. Round Concrete Column Forms: As specified in Section 03105.
- B. Concrete: As specified in Section 03300.

**PART 3 EXECUTION**

**3.1 EXAMINATION**

A. Examine area to receive footing forms. Notify Architect if area is not acceptable. Do not begin installation until unacceptable conditions have been corrected.

### **3.2 INSTALLATION**

A. Install footing forms in accordance with manufacturer's instructions.

B. Cut and remove rings on top flange of footing forms that are smaller than largest diameter ring that fits inside round column forms.

C. Install round column forms over top flange of footing forms.

D. Attach round column forms to conical section of footing forms using a minimum of four 3/4- to 1-inch (19 to 25 mm), No. 8, corrosion-resistant screws.

E. Round Concrete Column Forms: Erect, protect, and remove round concrete column forms as specified in Section 03105.

F. Cut round column forms to required lengths.

***Specifier Notes: Edit the following paragraph as required.***

G. Place footing forms with attached round column forms on subgrade at locations and to elevations as indicated on the Drawings. Subgrade shall be as [specified in Section 02300] [and] [indicated on the Drawings].

H. Brace footing forms and round column forms in accordance with manufacturer's instructions to prevent movement during concrete placement.

I. Ensure footing forms remain level and round column forms remain plumb during backfill and concrete placement.

Specifier Notes: Edit the following three sentences as required.

J. Backfill: Place and compact backfill around footing forms and round column forms as [specified in Section 02300] [and] [indicated on the Drawings].

K. Reinforcement: Place and support reinforcement in footing forms and round column forms as [specified in Section 03300] [and] [indicated on the Drawings].

L. Concrete: Place and consolidate concrete in footing forms and round column forms as [specified in Section 03300] [and] [indicated on the Drawings].

M. Do not use footing forms or round column forms that are deformed or damaged.

**END OF SECTION**