

Cool and Cobb Engineering Company

Date: 4/12/2023
Job: Vicki Lang
Location: 930 SW Baya Dr.,
Lake City, FL 32025

CRAWLSPACE JACK DESIGN ANALYSIS

The load requirements for the Crawl Space Jacks designed to assist in supporting the identified areas of the subject residence were determined. The selected Crawl Space Jack locations and the specific Crawl Space Jacks are identified on the Jack Identification and Location Plan attached. The calculated total loads on the Crawl Space Jacks in the specific location, including both dead and live loads are documented in the attached table which is designated as Attachment "A". This Crawl Space Jack design is approved and certified as meeting all the requirements of the Florida Building Code 2020 7th Edition, and good engineering practice. This is not to be the primary support structure, but a supplement support to assist in support of the weight of the structure, which will reduce the total pressure on the existing soils and reduce deflection in beams. After completion of installation, Cool and Cobb Engineering Company shall be supplied with a log of the location of each Crawl Space Jack installed so they can evaluate the installation and prepare the "As Built" drawings.

General Notes:

1. A log of each Crawl Space Jack to be kept by Contractor.
2. Assumed allowable soil loading of 2,000 psf.

4/12/2023

Kenneth F Wheeler, P.E.
State of Florida
Professional Engineer No. 60417



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by Kenneth F
Wheeler
Date: 2023.04.12
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203 W. Main St.
Avon Park, FL 33825
Office: (863) 657-2323
Fax: (863) 657-2324

Legend

- Foundation 
- Support Post 
- Steel Beam
S4 x 7.7 
- Door 
- Window 

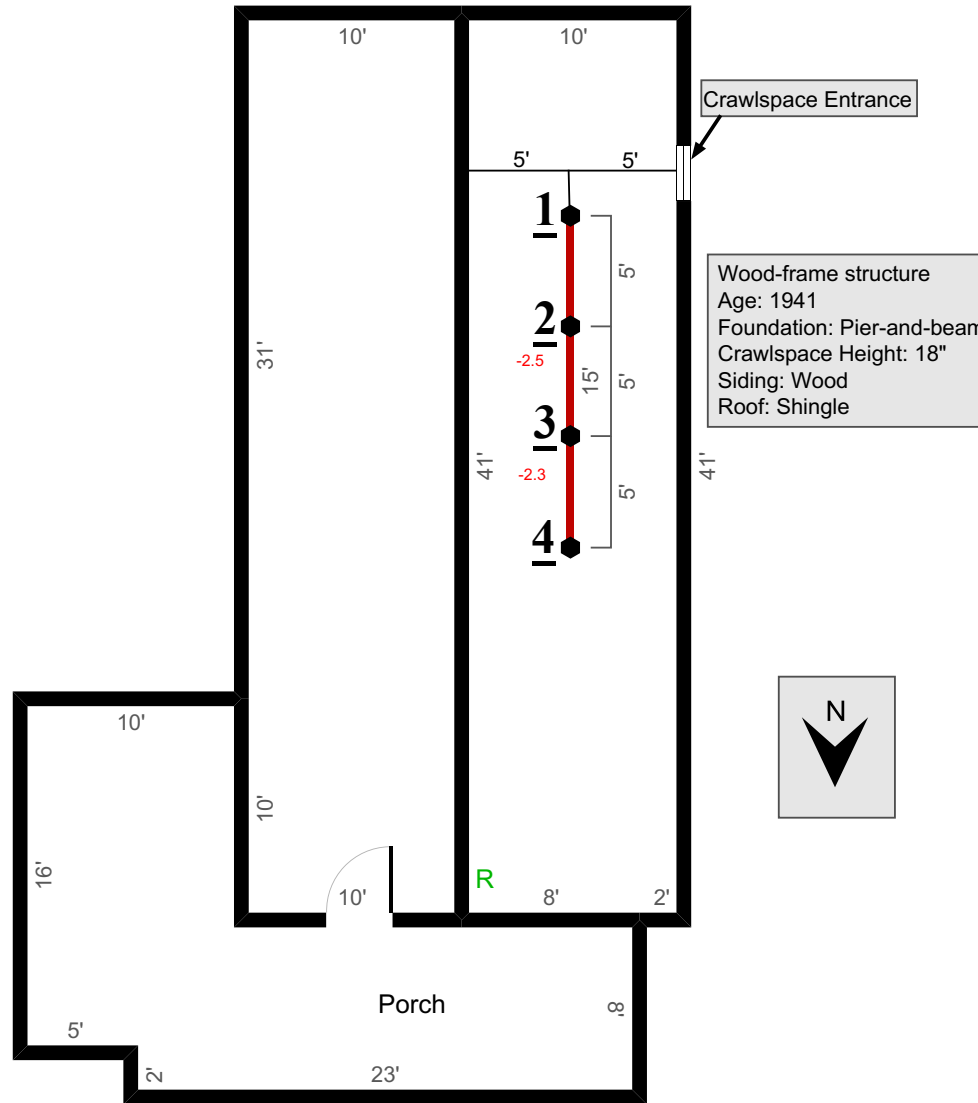


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4/12/2023
Kenneth F. Wheeler, P.E.
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Cool and Cobb Engineering Co.
203 W. Main St.
Avon Park, FL 33825

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Lang Foundation Repair



Foundation Professionals of Florida
3309 SW State Road 247
Lake City, FL 32024
www.foundationprosfl.com

Project Address
Vicki Lang
930 SW Baya Dr
Lake City, FL 32025

Created By
Conner Rawlins
(904) 515-8680
4/6/2023

Cool and Cobb Engineering Company

Date: 4/12/2023
Job: Vicki Lang
Location: 930 SW Baya Dr., Lake City, FL 32025

Attachment "A"

PILE NO.	Total Load on Jack (Live Load + Dead Load) TOTAL CALCULATE LOAD
1	690 lbs
2	1,380 lbs
3	1,380 lbs
4	690 lbs

Maximum Total Load on Pile: 1,380 lbs



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Avon Park, FL 33825



EARTH CONTACT PRODUCTS, LLC

Product Datasheet

PPB-103 & PPB-107--Crawl Space Jack

4/12/2023

Kenneth F. Wheeler, P.E.

PE #60417

Cool and Cobb Engineering Co.

203 W. Main St.

Avon Park, FL 33825



PPB-103



PPB-107

Product Specifications

Anchor Style	Resistance
Component	Crawl Space Jack
Ultimate Capacity	60,000 lbs.
Shaft Material	3-1/2" O.D. x .165" Wall
Bearing Plate Size	5" x 6"
PPB-103 Baseplate	3-1/2" x 3-1/2"
PPB-107 Baseplate	7" x 7"
Threaded Rod	1-1/4" x 10"
Coating	Galvanized
Standard Package	Each

Notes

Pre-cast or poured footing provided by contractor.



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203 W. Main St.
Avon Park, FL 33825



NEW GROUND SUPPORT PAD FOR CRAWL SPACES

TAKE YOUR SUPPORT TO THE NEXT LEVEL

ECP's new Footing Pad for supplemental support replaces the need to handle concrete or crushed gravel in confined crawl space areas. The 24" round composite Footing Pad has a capacity of 9,327 lbs. with a 3:1 Factor of Safety when used on 3,000 psi soil. This load is backed up by the ICC and ESR-2147.

ECP is offering the Footing Pad at two different price points. Full skid quantity is 68 pieces, and full skids will be priced at _____ per Footing Pad. For quantities less than 68, the Footing Pad will be _____ each. Please contact ECP to order your Footing Pad and Crawl Space Supports today.

Part #	Description	Qty	Price	Bulk	Price
PPB -107- FP24	24" Footing Pad for use with PPB -107	1 - 67		68 Per Skid	