

Cool and Cobb Engineering Company

Date: 9/23/2025

Project: 25-1360

Job: Marylou Kohn

Location: 1178 SW Riverside Ave., Fort White, FL 32038

CRAWL SPACE 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 attached plan which is based on the sketch provided by the contractor and information from property appraiser website. 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 2023 8th 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.

General Notes:

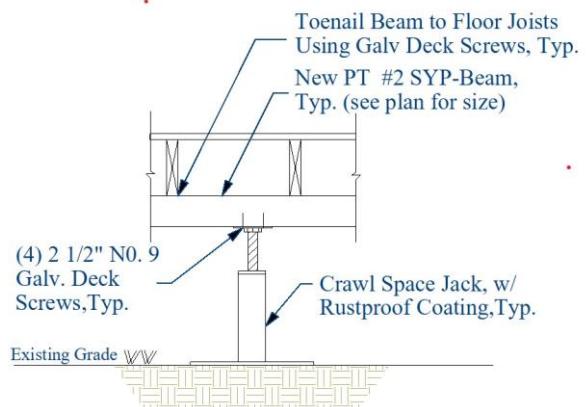
1. The Crawl Space Bracket attached in this design is approved as minimum size required for the loads.
2. Top plate to be secured to beam by: Wood Beam – (2) Min. #9 2 1/2" galv. deck screws
3. This design is developed per field assessment data by contractor and is based on agreement between contractor and owner. Cool and Cobb Engineering Co. Engineer has not performed an on-site structural assessment of the structure.
4. This design provides stabilization to the area receiving supplemental support only. Structure may require additional stabilization to other affected areas not addressed in the contractor/owner agreement.
5. This design is based on Assumed allowable soil loading of 2,000 psf. No deep soils geotechnical testing information was provided for this design.
6. This design does not address any possible sink hole activity as defined in Florida Statute § 627.706.
7. Contractor to document and certify any changes (with reason for field changes) on CCEC design plan and redline for "As Built" report.

9/23/2025

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

This item has been digitally signed and sealed by Kenneth F. Wheeler, P.E. on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



Crawl Space Jack to Wood Beam Detail

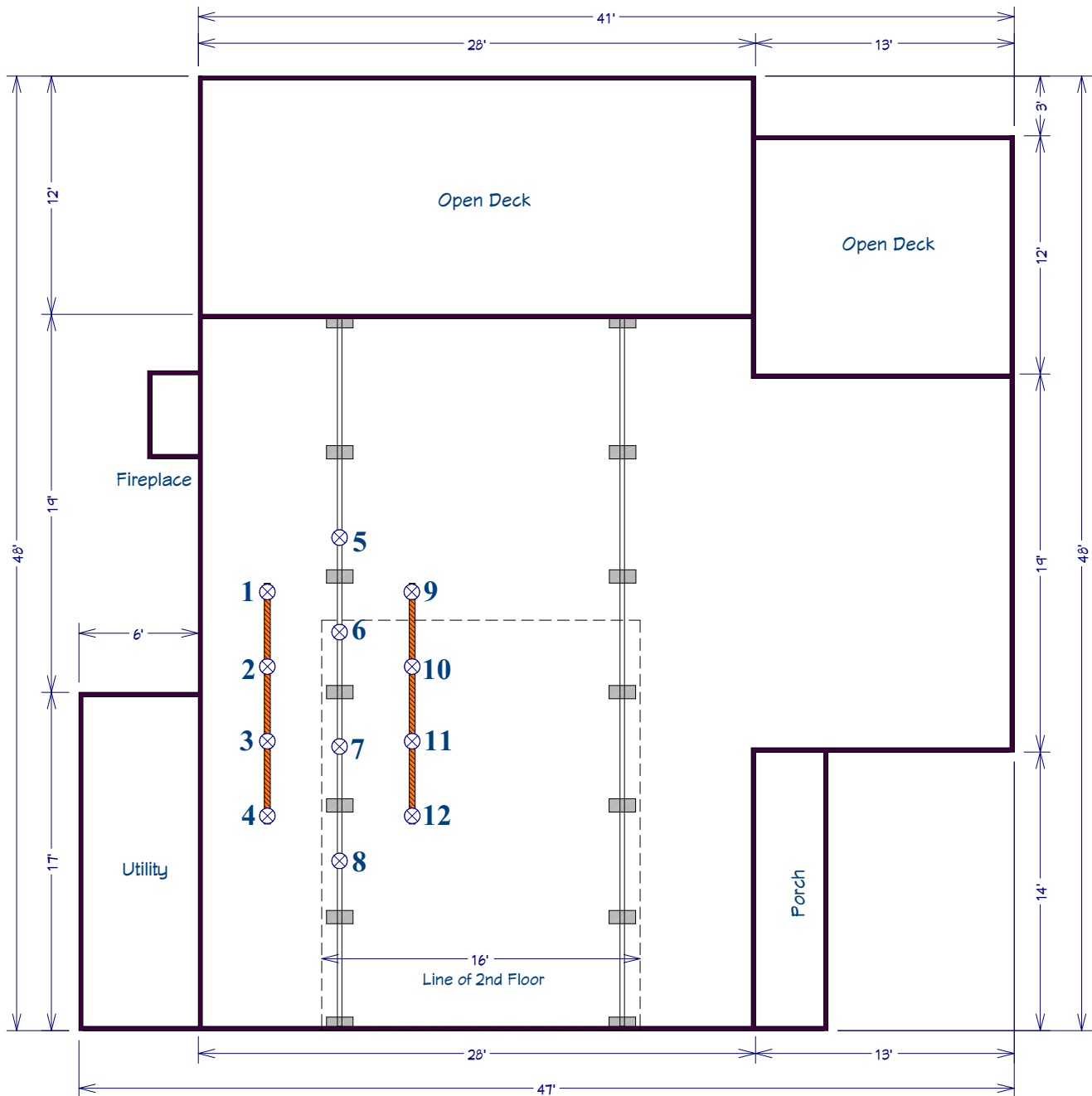
Scale - N.T.S.

203 W. Main St.
Avon Park, FL 33825
Office: (863) 657-2323
Fax: (863) 657-2324

Contractor: Stable Foundations

Pier Identification & Location Plan

SCALE : 1/8" = 1'-0"



LEGEND



1- 12 New Crawl Space Jacks



12'- 4"x6" PT WD Beam



Existing Beam

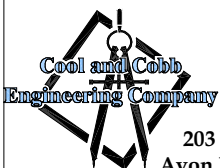


Existing CMU Pier

2 Story Frame Home on CMU Pier Foundation with Metal Roof

This item has been digitally signed and sealed by Kenneth F. Wheeler, P.E. on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



203 West Main St.
Avon Park, FL 33825

Kenneth F. Wheeler, P.E.
FL License No. 60417
(863) 657-2323 Office
ken@coolandcobb.com

Seal:

9/23/2025

Project:

Marylou Kohn
1178 SW Riverside Ave.,
Fort White, FL 32038

Project #:

25-1360

Cool and Cobb Engineering Company

Date: 9/23/2025

Project # 25-1360

Job: Marylou Kohn

Location: 1178 SW Riverside Ave., Fort White, FL 32038

Attachment "A"

Total Load on Support (Live Load + Dead Load)

SUPPORT NO.	TOTAL CALCULATE LOAD	
1	390	lbs
2	780	lbs
3	780	lbs
4	390	lbs
5	* 3,060	lbs
6	1,290	lbs
7	1,950	lbs
8	* 3,060	lbs
9	770	lbs
10	1,540	lbs
11	1,540	lbs
12	770	lbs

* Minimum Base Size of 15" x 15" Required.

Maximum Total Load on Pile: 1,950 lbs

This item has been digitally signed and sealed by Kenneth F. Wheeler, P.E. on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

9/23/2025

Kenneth F Wheeler, P.E.

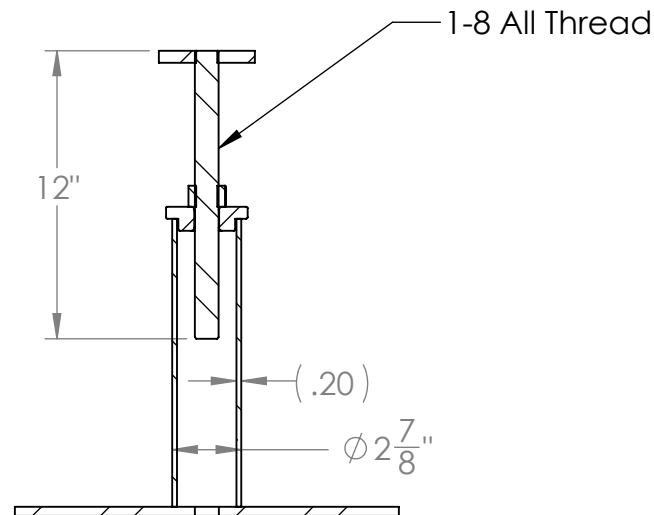
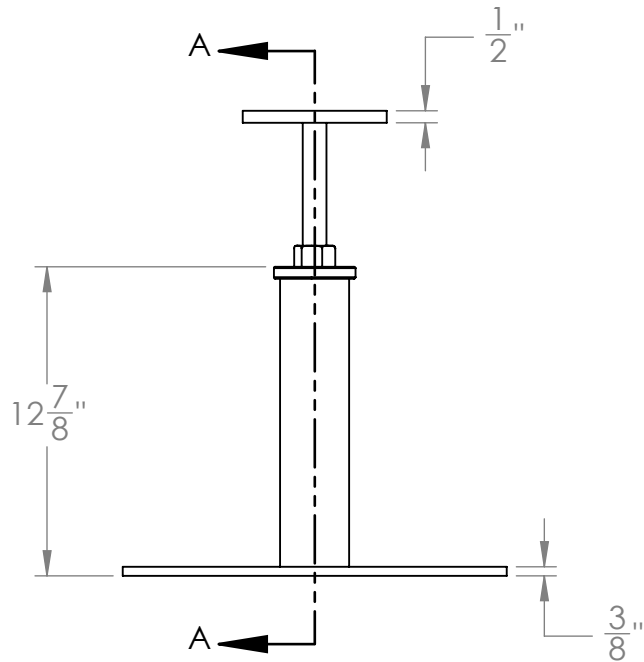
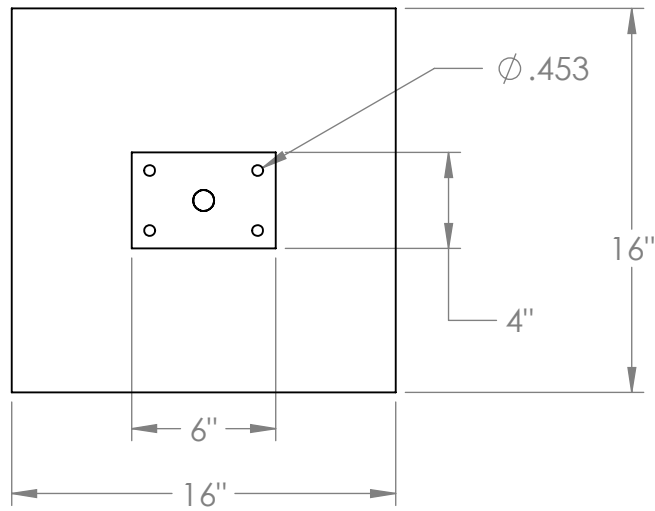
PE# 60417

Cool and Cobb Engineering Co.

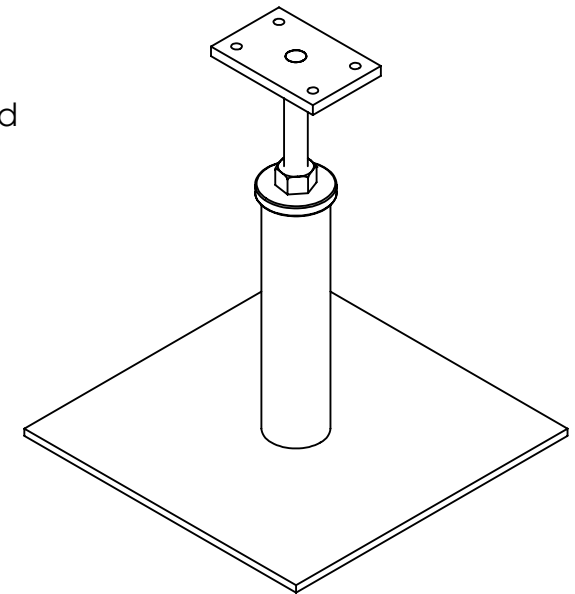
203 W. Main St.

Avon Park, FL 33825

9/23/2025
 Kenneth F. Wheeler, P.E. #60417
 Cool and Cobb Engineering Co.
 203 W. Main St.
 Avon Park, FL 33825



SECTION A-A



Notes:

1. FINISH: HOT DIPPED
 GALVANIZED PER ASTM A123-
 (LATEST REV)



TMG Manufacturing
 www.tmgmfg.com
 5517 W. Sligh Ave, Suite 100
 Tampa, Florida 33634
 (813) 464-2299

TOLERANCES UNLESS OTHERWISE SPECIFIED:
 X/X ± 1/16; ANGLES ± 1°

	NAME	DATE	TITLE: Crawl Space Bracket, Galvanized		
DRAWN	Name	1-1-2013			
CHECKED	Name	1-1-2013			
ENG APPR.	TMG	2-19-2020	SIZE	DWG. NO.	REV
MATERIAL N/A			A	872-2021-G	1
FINISH Noted					
			SCALE: 1:8	WEIGHT:40.45	SHEET 1 OF 1