

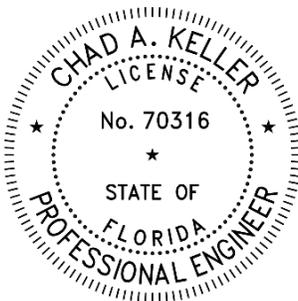
Date: June 1, 2022
Project: 700 STEM LLC Residence
Address: 700 35th Ave N
Saint Petersburg, FL 33704

Crawl Space Support Analysis - Completion Report

This report is prepared for LRE Foundation Repair (contractor) by FDN Engineering (engineer). Crawl space support jacks (SmartJacks) and wood framing supports were installed at the above referenced project. The support system is intended to stabilize and potentially lift the existing floor structure – reducing deflections in the floor and reducing pressure on existing soils. The original design instructed the contractor to install framing, footings, SmartJacks, supplemental support girders and all related components per the support manufacturer’s installation instructions and according to their technical specifications, as well as industry standards. See original engineering report for the design and details of the crawl space support system. See pages 2 and 3 for the field logs provided by the contractor. See page 4 for a layout of the floor supports as identified by contractor on the field log.

The installation of the supports was visually inspected by engineer; and the contractor has supplied engineer a log of the installed support locations and measured lift. Upon review, the installed support jacks and wood framing conform to the original design and plans.

To the best of my professional knowledge, belief, and opinion, the design of the crawl space support system meets the structural requirements of the 2020 Florida Building Code, Seventh Edition to the extent that it applies to our scope of work.



FDN Engineering, LLC
2412 N 179th St.
Omaha, NE 68116
(402) 739-9642

CRAWLSPACE INSTALLATION LOG

FOREMAN: Michael Skiles DATE: 5-27-22 JOB #: SISA JOB NAME: Stem LLC

SMARTJACKS

| | | | |
|----------------------|--------------------|-----------------------|-------------------|
| SMARTJACK # <u>1</u> | LIFT: <u>+ .4</u> | SMARTJACK # <u>8</u> | LIFT: <u>+ .1</u> |
| SMARTJACK # <u>2</u> | LIFT: <u>+ .4</u> | SMARTJACK # <u>9</u> | LIFT: <u>+ .1</u> |
| SMARTJACK # <u>3</u> | LIFT: <u>+ .4</u> | SMARTJACK # <u>10</u> | LIFT: <u>+ .1</u> |
| SMARTJACK # <u>4</u> | LIFT: <u>+ .5</u> | SMARTJACK # <u>11</u> | LIFT: <u>+ .1</u> |
| SMARTJACK # <u>5</u> | LIFT: <u>+ 1.2</u> | SMARTJACK # <u>12</u> | LIFT: <u>+ .4</u> |
| SMARTJACK # <u>6</u> | LIFT: <u>+ 1.2</u> | SMARTJACK # <u>13</u> | LIFT: <u>+ .2</u> |
| SMARTJACK # <u>7</u> | LIFT: <u>+ 1.2</u> | SMARTJACK # <u>14</u> | LIFT: <u>+ .2</u> |

SMARTJACK FOOTER

POURED CONCRETE: Ø CRUSHED STONE: 54 CONCRETE PADS: Ø

CLEANSPACE

SQ. FT. CLEANSPACE: Ø DEHUMIDIFYER USED: Ø

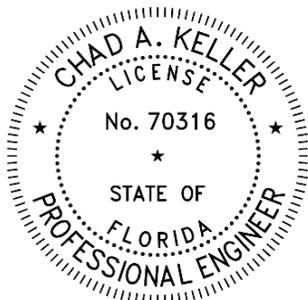
WOOD REPLACEMENT

TYPE OF WOOD USED: 2 x 8 x 16 BOARD FT. WOOD REPLACEMENT: 48'

SQ. FT SUBFLOOR REPLACED: Ø HOW MANY PLY: Ø

NOTES: Pins 5, 6, & 7 came up 1.24 9, 10, & 11 thru
Beams switened more stable than actual lift.

The above information is the field logs provided by the contractor.



This item has been digitally signed and sealed by Chad A. Keller, P.E. on the date adjacent to the seal.

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CRAWLSPACE INSTALLATION LOG

FOREMAN: Michael Skiles **DATE:** 5-27-22 **JOB #:** 5159 **JOB NAME:** Stem LLC

SMARTJACKS

| | | | |
|-----------------------|-----------------|-------------------|-------------|
| SMARTJACK # <u>15</u> | LIFT: <u>+1</u> | SMARTJACK # _____ | LIFT: _____ |
| SMARTJACK # <u>16</u> | LIFT: <u>+1</u> | SMARTJACK # _____ | LIFT: _____ |
| SMARTJACK # <u>17</u> | LIFT: <u>+1</u> | SMARTJACK # _____ | LIFT: _____ |
| SMARTJACK # _____ | LIFT: _____ | SMARTJACK # _____ | LIFT: _____ |
| SMARTJACK # _____ | LIFT: _____ | SMARTJACK # _____ | LIFT: _____ |
| SMARTJACK # _____ | LIFT: _____ | SMARTJACK # _____ | LIFT: _____ |
| SMARTJACK # _____ | LIFT: _____ | SMARTJACK # _____ | LIFT: _____ |

SMARTJACK FOOTER

POURED CONCRETE: Ø CRUSHED STONE: 5"y CONCRETE PADS: Ø

CLEANSPACE

SQ. FT. CLEANSPACE: Ø DUHUMIDIFYER USED: Ø

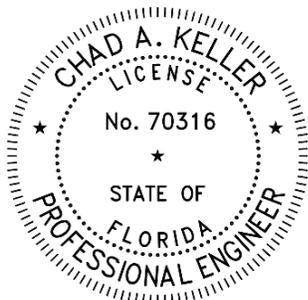
WOOD REPLACEMENT

TYPE OF WOOD USED: 2" x 8" x 16' BOARD FT. WOOD REPLACEMENT: 48'

SQ. FT SUBFLOOR REPLACED: Ø HOW MANY PLY: Ø

NOTES: _____

The above information is the field logs provided by the contractor.

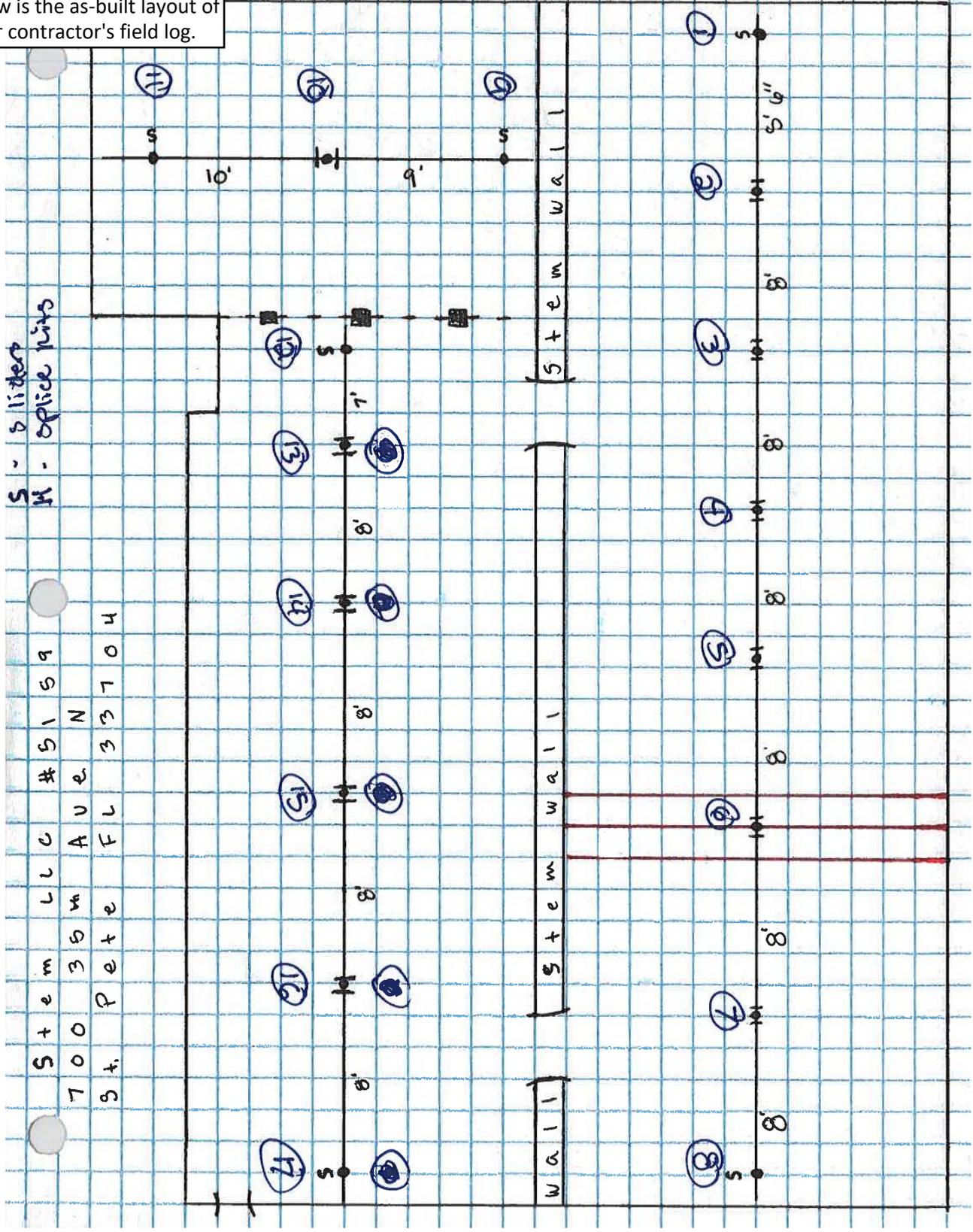


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Notes:

1. Shown below is the as-built layout of supports per contractor's field log.



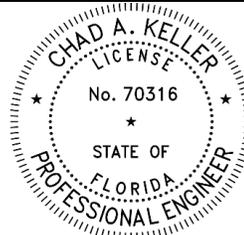
DRAWING NOT TO SCALE

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June 1, 2022

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