

Ever-Strong Structures Corp  
2225 S Grand Ave.  
Santa Ana, CA 92705  
(562) 283-5909  
jeremy@ever-strong.us  
www.ever-strong.us



***INSTALLATION INSTRUCTIONS  
& USE LIMITATIONS***

***FOR BOTH  
ORIGINAL EVERJACK &  
ALL-IN-1 EVERJACK***

## TABLE OF CONTENTS

<b><u>WARNING</u></b> .....	3
<b><u>USE LIMITATIONS</u></b> .....	5
LOAD CAPACITY.....	6
MAX SPACING TABLES.....	8
GROUND SURFACE CONDITIONS IN CRAWL SPACE.....	16
ALL OTHER.....	17
<b><u>INSTALLATION INSTRUCTIONS</u></b> .....	19
<b><u>ORIGINAL EVERJACK</u></b>	
METHOD 1:	
PLACING ORIGINAL EVERJACKS ALONG BEAM.....	19
METHOD 2:	
REPLACING EXISTING PIERS AT BEAM WITH ORIGINAL EVERJACKS.....	23
<b><u>ALL-IN-1 EVERJACK</u></b>	
ALL IN 1 EVERJACK.....	28



# EVER-JACK

APPLICABLE TO BOTH  
ORIGINAL EVERJACK  
&  
ALL-IN-1 EVERJACK



## WARNING

Read Entire Warning Before Use!

### IMPORTANT SAFETY NOTE:

LONG TERM TESTING FOR TEMPERATURES ABOVE  
72 DEGREES FAHRENHEIT HAS NOT BEEN  
COMPLETED.

LONG TERM TESTING FOR 104DEGREES IS  
ONGOING.

PERFORMANCE OF THE PRODUCT IN RESISTING  
LONG TERM LOADS IS NOT YET KNOWN AT ANY  
TEMPERATURE ABOVE 72 DEGREES.

USE AT YOUR OWN RISK IN CRAWL SPACES THAT  
MAY EXCEED 72 DEGREES FAHRENHEIT.



## WARNING

### Read Entire Warning Before Use!

WARNING: Death, serious injury, and catastrophic property damage will result from improper placement under applied loads exceeding the capacity stated on the label on the EverJack, overturning of product more than the stated maximums on the product labels, failure to prepare flat ground surface according to the "Use Limitations" section herein, placing the product in a position where it could be exposed to sunlight or UV rays.

DO NOT place, turn the product, or do anything otherwise to the EverJack if you have not read through and understood the contents of this document.

ALL items in this document must be followed for initial installation and for all future adjustments to ensure proper performance under applied load occurs.

CONTACT a civil or structural engineer for Structural Engineering Analysis Calculations and Plans for every project prior to installation. All work performed must be done according to the permitted set of plans by the authority having jurisdiction. Contractors are not permitted to do any work without a permit. Only licensed contractors are permitted to install these products.

WEAR protective gloves, long sleeves/pants, and glasses to prevent fine glass fiber from embedment.

ANY person who does not follow the above, agrees to indemnify, defend, and hold harmless the manufacturer for any and all claimed loss or damage.

WARNING: If product is cut, chopped, shaved, pulverized, etc., glass fibers could dislodge and become inhalable. They may or may not be biosoluble in the lung. If inhalable and biopersistent, glass wool fibers are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

***USE LIMITATIONS  
FOR BOTH  
ORIGINAL EVERJACK &  
ALL-IN-1 EVERJACK***



## LOAD CAPACITY

**TABLE 1-EVER-JACK ALLOWABLE LOAD**

Class of Materials	SOIL LOAD-BEARING CAPACITY <sup>1</sup>				LOAD TESTED CAPACITY <sup>2</sup>				Allowable Stress Design Level Rated Capacity (Governing)
	Presumptive Load-Bearing Value (Allowable Stress Design Level)	Minimum Modified Modulus of Soil Reaction, k	Bearing Area	Allowable Stress Design Level Rated Capacity	Remaining Thread Engagement	Ultimate Capacity of EverJack	Factor of Safety	Allowable Stress Design Level Rated Capacity	
	(psf)	(psi/in)	(ft <sup>2</sup> )	(lbf)	(in)	(lbf)		(lbf)	
<b>Extremely Stiff Soil (Crystalline bedrock) Concrete Foundation<sup>3</sup></b>	12,000	-	2.0	Does Not Govern *	1.0	23,005 26,538 26,191 24,886 25,357	3.00	7,668 8,846 8,730 8,295 8,452	<b>8,398</b>
<b>All Other Weaker Soils<sup>4</sup></b>	1,500	100	2.0	3,000	1.0	Does Not Govern **	N/A	N/A	<b>3,000</b>
					3.0	Does Not Govern **	N/A	N/A	<b>3,000</b>

For SI: 1 inch = 25.4 mm; 1 lbf = 4.4 N; 1 lbf/ft<sup>2</sup> = 47.9 Pa.

1. Presumptive load-bearing capacity of soils based on IBC Table 1806.2 or IRC R401.4.1. Alternatively, the load-bearing values shall be determined with a site-specific soil investigation, as required by the code official.

2. Compression Tests Result

3. The concrete elements must be designed by a registered design professional for the applicable loads, and the load bearing pressure of the soil supporting the concrete elements must not be exceeded. Design and installation of concrete foundation materials are outside the scope of this report.

4. Including: Class 2. Sedimentary and foliated rock, Class 3. Sandy Gravel and/or Gravel (GW/GP), Class 4. Sand, Silty Sand, Clayey Sand, Silty Gravel, and Clayey Gravel (SW, SP, SM, SC, GM, and GC), Class 5. Clay, Sandy Clay, Silty Clay, Clayey Silt, Silt, and Sandy Silt (CL, ML, MH, and CH)

\* Calculated allowable soil based capacity is higher than allowable capacity of Load Test Results

\*\* Load tested capacity is higher than Presumptive Load-Bearing Capacity based on Soil



## EVER-JACK'S STRENGTH REDUCTION FACTORS AND FACTOR OF SAFETY

THE AVERAGE ULTIMATE BREAK LOAD OF THE 5 SPECIMENS TESTED FOR INTERNAL STRENGTH CAPACITY (SEE SOIL CAPACITY SECTION BELOW FOR WEAKER SOILS CAPACITY) IS **25,195 lb** AS SHOWN IN THE TABLE BELOW:

<u>Ultimate Level</u>		
<u>Compression Load Test Results</u>	<u>Factor of Safety</u>	<u>Allowable Load</u>
<u>(lb)</u>		<u>(lb)</u>
23,005	3.00	7,668
26,538	3.00	8,846
26,191	3.00	8,730
24,886	3.00	8,295
25,357	3.00	8,452
<b>Average = 25,195 lb</b>		<b>Average = 8,398 lb</b>

### A 3.0 SAFETY FACTOR IS WARRANTED BASED ON THE FOLLOWING:

TEMPERATURE EFFECTS FACTOR:  $16,679\text{psi} / 21,300\text{psi} = 0.78$

ACCOUNTS FOR REDUCED TENSILE STRESS CAPACITY OF THE MATERIAL @ 115 DEGREE FAHRENHEIT HOT DAYS. DATA AVAILABLE UPON REQUEST.

CREEP FACTOR: **USE 0.42**

CREEP MAY OCCUR OVER TIME DUE TO VOIDS, FIBER ATTRITION AND/OR BREAKAGE DURING THE MANUFACTURING PROCESS, HIGH TEMPERATURE THAT AFFECTS CREEP, ETC.

NOTE: IF THE EVERJACK IS INSTALLED PER THE FOLLOWING LOAD TABLES AND PARAMETERS INDICATED, THE SUSTAINED DEAD LOAD (i.e., NO LIVE LOAD) FORCE APPLIED WOULD ALWAYS BE LESS THAN 20% OF THE ULTIMATE CAPACITY OF THE EVERJACK. THIS APPROACH IS CONSISTENT WITH RESEARCH ARTICLES THAT HAVE RECOMMENDED A 20% LIMIT FOR LONG TERM SUSTAINED LOADING.

TOTAL STRENGTH REDUCTION FACTORS APPLIED TO ULTIMATE STRENGTH =  $0.78 * 0.42 = 0.33$

THEREFORE, USE A FACTOR OF SAFETY OF  $1 / 0.33 = 3.0$

### COMPARING TO THE GOVERNING ALLOWABLE CAPACITY OF THE SOIL:

THE MAXIMUM ALLOWABLE BEARING CAPACITY OF "WEAKER" SOIL TO SUPPORT THE EVERJACK IS **1,500 PSF** (PRESUMPTIVE LOAD-BEARING VALUE OF CLASS 5 SOIL "Clay, sandy clay, silty clay, clayey silt, silt and sandy silt") PER 2021 INTERNATIONAL BUILDING CODE TABLE 1806.2. NOTE THAT BECAUSE SITE SPECIFIC SOIL BEARING VALUES ARE OFTEN UNKNOWN, IT IS CONSERVATIVE TO ASSUME THIS WEAKER SOIL IS PRESENT. IN THIS SCENARIO, ACCORDINGLY, **1,500PSF \* 2.0 SQ FT OF SOIL BEARING AREA = 3,000 LB.**

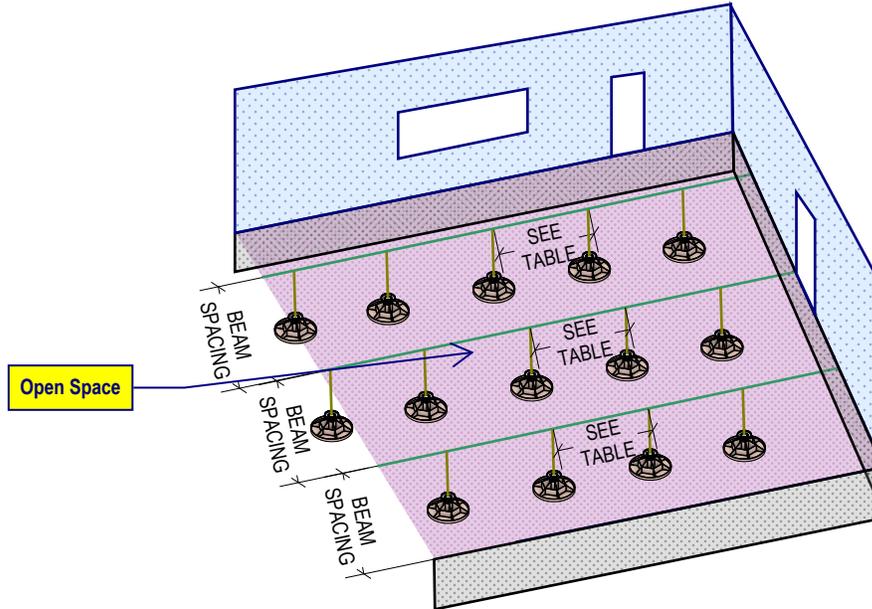
THE FOLLOWING TABLES SHOW THE MAXIMUM SPACING OF THE EVERJACKS ACCORDING TO THE DIFFERENT RATED CAPACITIES STATED ABOVE: 8,398 LB VS 3,000 LB.



## USE LIMITS FOR LOADING FROM FRAMING CONFIGURATION

# MAX SPACING of EVERJACKS

### 1 & 2-STORY HOUSES: UNDER OPEN FLOOR PLAN AREAS (REGIONS WITH NO WALLS)



**TABLES LOADING SCENARIO:  
1 OR 2-STORY WITH OPEN SPACE WITH NO WALLS**

**MAX SPACING OF EVERJACKS \***  
BASED ON 3,000 lb SOIL CAPACITY (ALLOWABLE SOIL BEARING PRESSURE 1,500 psf \* 2.0 sq ft BEARING SURFACE AREA) AND BEAM SPAN FLEX LIMIT

BEAM SPACING IN CRAWL SPACE	3 ft	10.8 ft
	4 ft	9.4 ft
	5 ft	8.4 ft
	6 ft	7.7 ft
	7 ft	7.1 ft
	8 ft	6.3 ft
	9 ft	5.6 ft
	10 ft	5.0 ft
	11 ft	4.5 ft
	12 ft	4.2 ft

**MAX SPACING OF EVERJACKS \***  
BASED ON 8,398 lb RATED CAPACITY (AVERAGE ULTIMATE BREAK LOAD OF 25,195 lb / 3.0 FACTOR OF SAFETY) AND BEAM SPAN FLEX LIMIT

BEAM SPACING IN CRAWL SPACE	3 ft	10.8 ft
	4 ft	9.4 ft
	5 ft	8.4 ft
	6 ft	7.7 ft
	7 ft	7.1 ft
	8 ft	6.6 ft
	9 ft	6.3 ft
	10 ft	5.9 ft
	11 ft	5.7 ft
	12 ft	5.4 ft

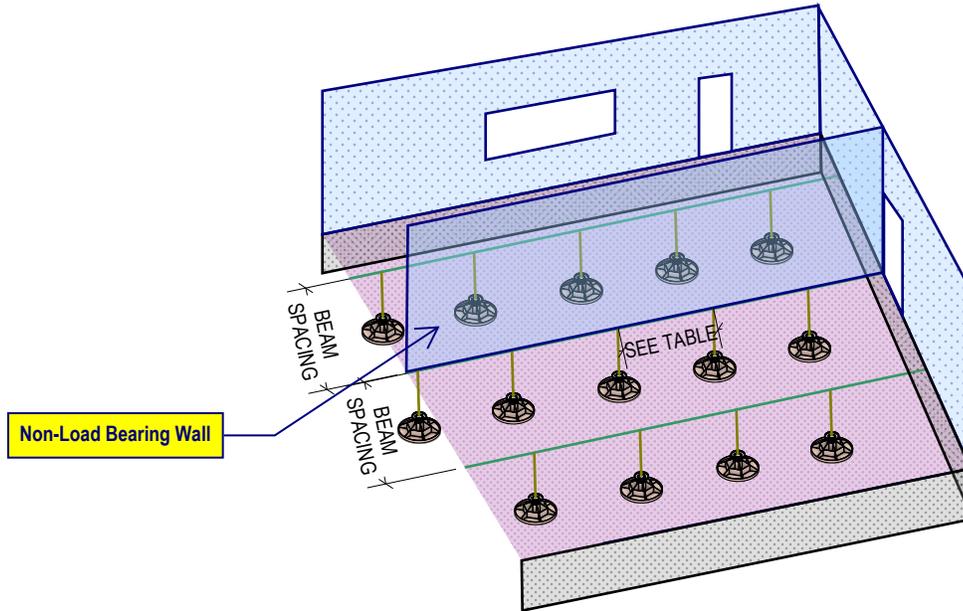
**\* Tables Based On:**  
1st floor dead load = 10psf  
1st floor live load = 40psf  
Scenario analysis also considers flexural and shear stress limits of a 3 continuous span 4x6 wood beam (F'b = 1,200psi for #1 or Better DF-L). The 1.2 reaction factor of 3 continuous spans is also included already.



## USE LIMITS FOR LOADING FROM FRAMING CONFIGURATION

# MAX SPACING of EVERJACKS

### 1 & 2-STORY HOUSES: SUPPORTING NON-LOAD BEARING INTERIOR WALL (GYPSUM)



**TABLES LOADING SCENARIO: 1 OR 2-STORY @ NON-LOAD BEARING WALL WITH GYPSUM**

**MAX SPACING OF EVERJACKS \***

BASED ON 3,000 lb SOIL CAPACITY (ALLOWABLE SOIL BEARING PRESSURE 1,500 psf \* 2.0 sq ft BEARING SURFACE AREA) AND BEAM SPAN FLEX LIMIT

BEAM SPACING IN CRAWL SPACE	3 ft	8.1 ft
	4 ft	7.4 ft
	5 ft	6.8 ft
	6 ft	6.0 ft
	7 ft	5.3 ft
	8 ft	4.8 ft
	9 ft	4.4 ft
	10 ft	4.0 ft
	11 ft	3.7 ft
	12 ft	3.5 ft

**MAX SPACING OF EVERJACKS \***

BASED ON 8,398 lb RATED CAPACITY (AVERAGE ULTIMATE BREAK LOAD OF 25,195 lb / 3.0 FACTOR OF SAFETY) AND BEAM SPAN FLEX LIMIT

BEAM SPACING IN CRAWL SPACE	3 ft	8.1 ft
	4 ft	7.4 ft
	5 ft	6.9 ft
	6 ft	6.5 ft
	7 ft	6.1 ft
	8 ft	5.8 ft
	9 ft	5.6 ft
	10 ft	5.3 ft
	11 ft	5.1 ft
	12 ft	4.9 ft

**\* Tables Based On:**

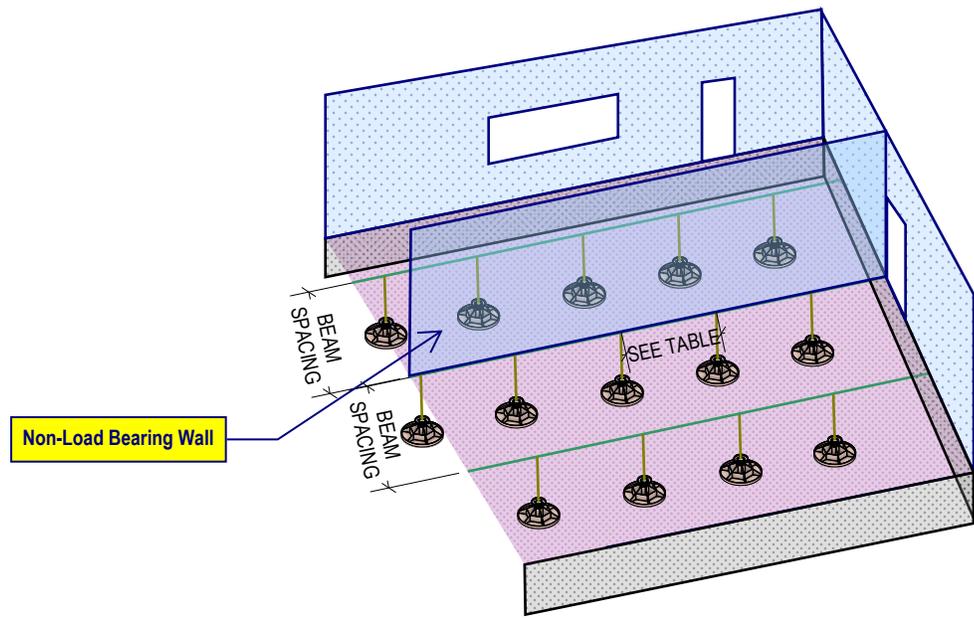
1st floor dead load = 10psf  
 1st floor live load = 40psf  
 Wall dead load (including 1 layer 1/2" thick gypsum board on each side) = 10psf  
 Max height of non-load bearing wall = 12ft  
 Scenario analysis also considers flexural and shear stress limits of a 3 continuous span 4x6 wood beam (F'b = 1,200psi for #1 or Better DF-L). The 1.2 reaction factor of 3 continuous spans is also included already.



## USE LIMITS FOR LOADING FROM FRAMING CONFIGURATION

# MAX SPACING of EVERJACKS

### 1 & 2-STORY HOUSES: SUPPORTING NON-LOAD BEARING INTERIOR WALL (PLASTER)



**TABLES LOADING SCENARIO: 1 OR 2-STORY @ NON-LOAD BEARING WALL WITH PLASTER**

**MAX SPACING OF EVERJACKS \***

BASED ON 3,000 lb SOIL CAPACITY (ALLOWABLE SOIL BEARING PRESSURE 1,500 psf \* 2.0 sq ft BEARING SURFACE AREA) AND BEAM SPAN FLEX LIMIT

BEAM SPACING IN CRAWL SPACE	3 ft	5.7 ft
	4 ft	5.1 ft
	5 ft	4.6 ft
	6 ft	4.3 ft
	7 ft	3.9 ft
	8 ft	3.6 ft
	9 ft	3.4 ft
	10 ft	3.2 ft
	11 ft	3.0 ft
	12 ft	2.8 ft

**MAX SPACING OF EVERJACKS \***

BASED ON 8,398 lb RATED CAPACITY (AVERAGE ULTIMATE BREAK LOAD OF 25,195 lb / 3.0 FACTOR OF SAFETY) AND BEAM SPAN FLEX LIMIT

BEAM SPACING IN CRAWL SPACE	3 ft	6.3 ft
	4 ft	6.0 ft
	5 ft	5.7 ft
	6 ft	5.5 ft
	7 ft	5.3 ft
	8 ft	5.1 ft
	9 ft	4.9 ft
	10 ft	4.7 ft
	11 ft	4.6 ft
	12 ft	4.5 ft

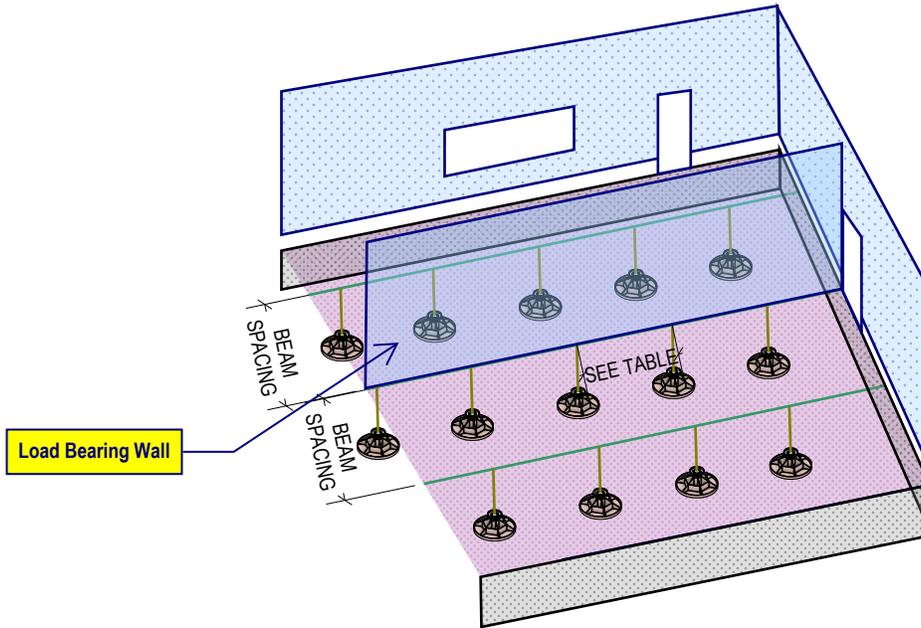
**\* Tables Based On:**  
 1st floor dead load = 10psf  
 1st floor live load = 40psf  
 Wall dead load (including 1 layer 7/8" thick plaster on each side) = 24psf  
 Max height of non-load bearing wall = 12ft  
 Scenario analysis also considers flexural and shear stress limits of a 3 continuous span 4x6 wood beam (F'b = 1,200psi for #1 or Better DF-L). The 1.2 reaction factor of 3 continuous spans is also included already.



## USE LIMITS FOR LOADING FROM FRAMING CONFIGURATION

# MAX SPACING of EVERJACKS

### 1 STORY HOUSES: SUPPORTING LOAD BEARING WALLS (GYPSUM)



**Important Safety Warning:**  
The following Tables do not apply if attic purlin struts are spaced more than the maximum spacing shown in the table. If this is encountered, consult a licensed civil engineer or structural engineer or do not use EverJacks in the crawl space directly under the attic purlin strut.

**\* Tables Based On:**  
 Roof dead load = 17psf  
 Roof live load = 20psf  
 1st floor dead load = 10psf  
 1st floor live load = 40psf  
 Wall dead load (including 1 layer 1/2" thick gypsum board on each side) = 10psf  
 Max height of load bearing wall = 12ft  
 Scenario analysis also considers flexural and shear stress limits of a 3 continuous span 4x6 wood beam (F'b = 1,200psi for #1 or Better DF-L). The 1.2 reaction factor of 3 continuous spans is also included already.  
 X = Not Permissible

**TABLES LOADING SCENARIO: 1-STORY HOUSE @ LOAD BEARING WALL WITH GYPSUM**

**MAX SPACING OF EVERJACKS \***  
 BASED ON 3,000 lb SOIL CAPACITY (ALLOWABLE SOIL BEARING PRESSURE 1,500 psf \* 2.0 sq ft BEARING SURFACE AREA)  
 AND BEAM SPAN FLEX LIMIT

		ROOF TRIBUTARY WIDTH										
		6 ft	8 ft	10 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
BEAM SPACING IN CRAWL SPACE	3 ft	5.1 ft	4.4 ft	3.9 ft	3.5 ft	3.2 ft	2.9 ft	2.7 ft	2.5 ft	2.3 ft	NP	NP
	4 ft	4.6 ft	4.1 ft	3.6 ft	3.3 ft	3.0 ft	2.7 ft	2.5 ft	2.4 ft	2.2 ft	NP	NP
	5 ft	4.2 ft	3.8 ft	3.4 ft	3.1 ft	2.8 ft	2.6 ft	2.4 ft	2.3 ft	2.1 ft	NP	NP
	6 ft	3.9 ft	3.5 ft	3.2 ft	2.9 ft	2.7 ft	2.5 ft	2.3 ft	2.2 ft	2.0 ft	NP	NP
	7 ft	3.6 ft	3.3 ft	3.0 ft	2.7 ft	2.5 ft	2.4 ft	2.2 ft	2.1 ft	2.0 ft	NP	NP
	8 ft	3.4 ft	3.1 ft	2.8 ft	2.6 ft	2.4 ft	2.3 ft	2.1 ft	2.0 ft	1.9 ft	NP	NP
	9 ft	3.2 ft	2.9 ft	2.7 ft	2.5 ft	2.3 ft	2.2 ft	2.0 ft	1.9 ft	1.8 ft	NP	NP
	10 ft	3.0 ft	2.7 ft	2.5 ft	2.4 ft	2.2 ft	2.1 ft	1.9 ft	1.8 ft	1.7 ft	NP	NP
	11 ft	2.8 ft	2.6 ft	2.4 ft	2.2 ft	2.1 ft	2.0 ft	1.9 ft	1.8 ft	1.7 ft	NP	NP
	12 ft	2.7 ft	2.5 ft	2.3 ft	2.2 ft	2.0 ft	1.9 ft	1.8 ft	1.7 ft	X	NP	NP

\* NP = EVERJACKS ARE NOT PERMITTED

**MAX SPACING OF EVERJACKS \***  
 BASED ON 8,398 lb RATED CAPACITY (AVERAGE ULTIMATE BREAK LOAD OF 25,195 lb / 3.0 FACTOR OF SAFETY)  
 AND BEAM SPAN FLEX LIMIT

		ROOF TRIBUTARY WIDTH										
		6 ft	8 ft	10 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
BEAM SPACING IN CRAWL SPACE	3 ft	6.0 ft	5.6 ft	5.3 ft	5.0 ft	4.7 ft	4.5 ft	4.3 ft	4.2 ft	4.0 ft	NP	NP
	4 ft	5.7 ft	5.4 ft	5.1 ft	4.8 ft	4.6 ft	4.4 ft	4.2 ft	4.1 ft	3.9 ft	NP	NP
	5 ft	5.5 ft	5.2 ft	4.9 ft	4.7 ft	4.5 ft	4.3 ft	4.1 ft	4.0 ft	3.9 ft	NP	NP
	6 ft	5.2 ft	5.0 ft	4.7 ft	4.5 ft	4.3 ft	4.2 ft	4.0 ft	3.9 ft	3.8 ft	NP	NP
	7 ft	5.1 ft	4.8 ft	4.6 ft	4.4 ft	4.2 ft	4.1 ft	3.9 ft	3.8 ft	3.7 ft	NP	NP
	8 ft	4.9 ft	4.7 ft	4.5 ft	4.3 ft	4.1 ft	4.0 ft	3.9 ft	3.7 ft	3.6 ft	NP	NP
	9 ft	4.7 ft	4.5 ft	4.3 ft	4.2 ft	4.0 ft	3.9 ft	3.8 ft	3.7 ft	3.6 ft	NP	NP
	10 ft	4.6 ft	4.4 ft	4.2 ft	4.1 ft	3.9 ft	3.8 ft	3.7 ft	3.6 ft	3.5 ft	NP	NP
	11 ft	4.4 ft	4.3 ft	4.1 ft	4.0 ft	3.9 ft	3.7 ft	3.6 ft	3.5 ft	3.5 ft	NP	NP
	12 ft	4.3 ft	4.2 ft	4.0 ft	3.9 ft	3.8 ft	3.7 ft	3.6 ft	3.5 ft	3.4 ft	NP	NP

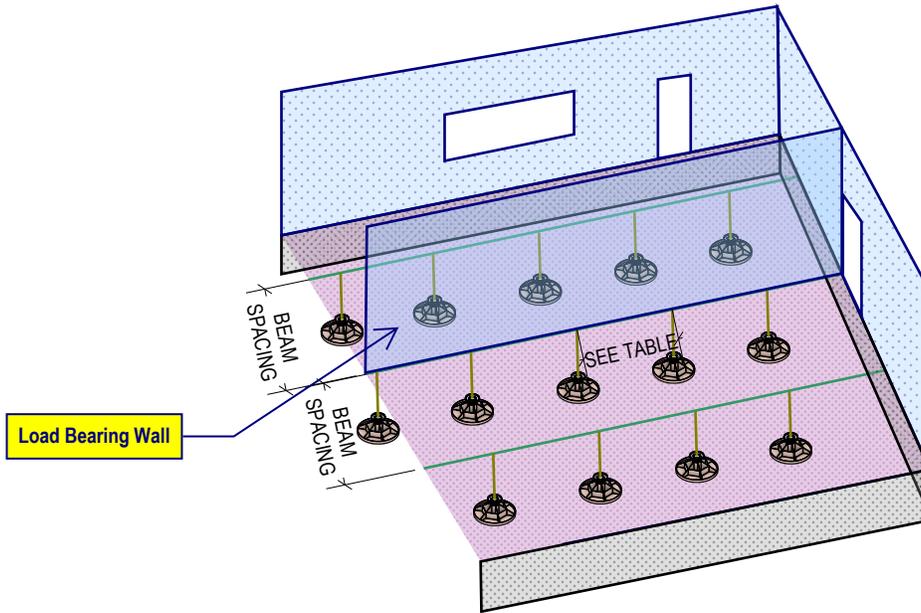
\* NP = EVERJACKS ARE NOT PERMITTED



## USE LIMITS FOR LOADING FROM FRAMING CONFIGURATION

# MAX SPACING of EVERJACKS

### 1 STORY HOUSES: SUPPORTING LOAD BEARING WALLS (PLASTER)



**Important Safety Warning:**  
The following Tables do not apply if attic purlin struts are spaced more than the maximum spacing shown in the table. If this is encountered, consult a licensed civil engineer or structural engineer or do not use EverJacks in the crawl space directly under the attic purlin strut.

**\* Tables Based On:**  
 Roof dead load = 17psf  
 Roof live load = 20psf  
 1st floor dead load = 10psf  
 1st floor live load = 40psf  
 Wall dead load (including 1 layer 7/8" thick plaster on each side) = 24psf  
 Max height of load bearing wall = 12ft  
 Scenario analysis also considers flexural and shear stress limits of a 3 continuous span 4x6 wood beam (F'b = 1,200psi for #1 or Better DF-L). The 1.2 reaction factor of 3 continuous spans is also included already.  
 X = Not Permissible

**TABLES LOADING SCENARIO: 1-STORY HOUSE @ LOAD BEARING WALL WITH PLASTER**

**MAX SPACING OF EVERJACKS \***  
 BASED ON 3,000 lb SOIL CAPACITY (ALLOWABLE SOIL BEARING PRESSURE 1,500 psf \* 2.0 sq ft BEARING SURFACE AREA)  
 AND BEAM SPAN FLEX LIMIT

		ROOF TRIBUTARY WIDTH										
		6 ft	8 ft	10 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
BEAM SPACING IN CRAWL SPACE	3 ft	3.8 ft	3.4 ft	3.1 ft	2.8 ft	2.6 ft	2.4 ft	2.3 ft	NP	NP	NP	NP
	4 ft	3.5 ft	3.2 ft	2.9 ft	2.7 ft	2.5 ft	2.3 ft	2.2 ft	NP	NP	NP	NP
	5 ft	3.3 ft	3.0 ft	2.8 ft	2.6 ft	2.4 ft	2.2 ft	2.1 ft	NP	NP	NP	NP
	6 ft	3.1 ft	2.8 ft	2.6 ft	2.4 ft	2.3 ft	2.1 ft	2.0 ft	NP	NP	NP	NP
	7 ft	2.9 ft	2.7 ft	2.5 ft	2.3 ft	2.2 ft	2.0 ft	1.9 ft	NP	NP	NP	NP
	8 ft	2.7 ft	2.5 ft	2.4 ft	2.2 ft	2.1 ft	2.0 ft	1.8 ft	NP	NP	NP	NP
	9 ft	2.6 ft	2.4 ft	2.3 ft	2.1 ft	2.0 ft	1.9 ft	1.8 ft	NP	NP	NP	NP
	10 ft	2.5 ft	2.3 ft	2.2 ft	2.0 ft	1.9 ft	1.8 ft	1.7 ft	NP	NP	NP	NP
	11 ft	2.4 ft	2.2 ft	2.1 ft	2.0 ft	1.8 ft	1.8 ft	X	NP	NP	NP	NP
	12 ft	2.3 ft	2.1 ft	2.0 ft	1.9 ft	1.8 ft	1.7 ft	X	NP	NP	NP	NP

\* NP = EVERJACKS ARE NOT PERMITTED

**MAX SPACING OF EVERJACKS \***  
 BASED ON 8,398 lb RATED CAPACITY (AVERAGE ULTIMATE BREAK LOAD OF 25,195 lb / 3.0 FACTOR OF SAFETY)  
 AND BEAM SPAN FLEX LIMIT

		ROOF TRIBUTARY WIDTH										
		6 ft	8 ft	10 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
BEAM SPACING IN CRAWL SPACE	3 ft	5.2 ft	4.9 ft	4.7 ft	4.5 ft	4.3 ft	4.1 ft	4.0 ft	NP	NP	NP	NP
	4 ft	5.0 ft	4.7 ft	4.5 ft	4.4 ft	4.2 ft	4.0 ft	3.9 ft	NP	NP	NP	NP
	5 ft	4.8 ft	4.6 ft	4.4 ft	4.2 ft	4.1 ft	4.0 ft	3.8 ft	NP	NP	NP	NP
	6 ft	4.7 ft	4.5 ft	4.3 ft	4.1 ft	4.0 ft	3.9 ft	3.8 ft	NP	NP	NP	NP
	7 ft	4.5 ft	4.3 ft	4.2 ft	4.0 ft	3.9 ft	3.8 ft	3.7 ft	NP	NP	NP	NP
	8 ft	4.4 ft	4.2 ft	4.1 ft	4.0 ft	3.8 ft	3.7 ft	3.6 ft	NP	NP	NP	NP
	9 ft	4.3 ft	4.1 ft	4.0 ft	3.9 ft	3.8 ft	3.6 ft	3.5 ft	NP	NP	NP	NP
	10 ft	4.2 ft	4.0 ft	3.9 ft	3.8 ft	3.7 ft	3.6 ft	3.5 ft	NP	NP	NP	NP
	11 ft	4.1 ft	3.9 ft	3.8 ft	3.7 ft	3.6 ft	3.5 ft	3.4 ft	NP	NP	NP	NP
	12 ft	4.0 ft	3.9 ft	3.7 ft	3.6 ft	3.5 ft	3.5 ft	3.4 ft	NP	NP	NP	NP

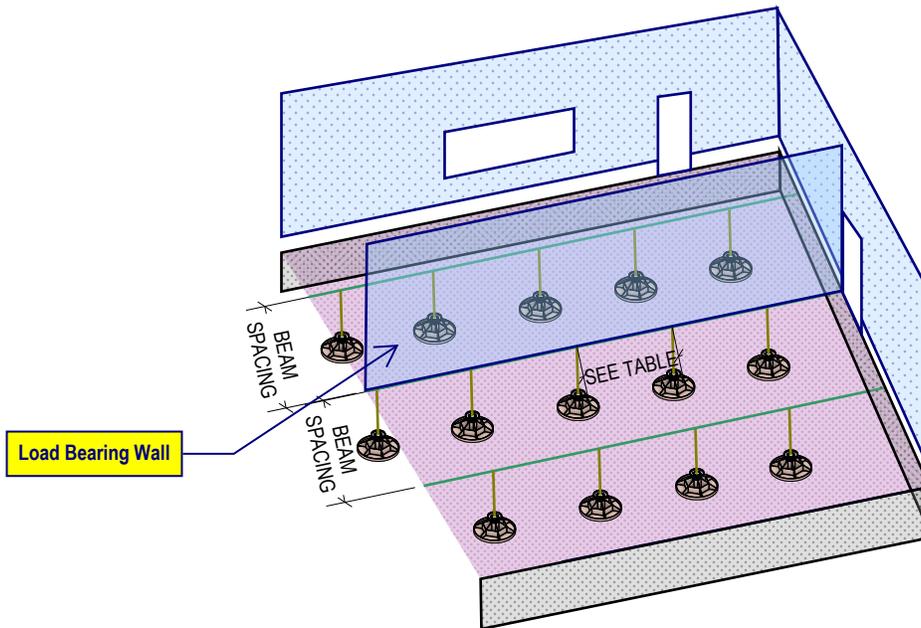
\* NP = EVERJACKS ARE NOT PERMITTED



## USE LIMITS FOR LOADING FROM FRAMING CONFIGURATION

# MAX SPACING of EVERJACKS

### 2 STORY HOUSES: SUPPORTING LOAD BEARING WALLS (GYPSUM)



**Important Safety Warning:**  
The following Tables do not apply if attic purlin struts are spaced more than the maximum spacing shown in the table. If this is encountered, consult a licensed civil engineer or structural engineer or do not use EverJacks in the crawl space directly under the attic purlin strut.

**\* Tables Based On:**  
 Roof dead load = 17psf  
 Roof live load = 20psf  
 2nd floor dead load = 12psf  
 2nd floor live load = 40psf  
 1st floor dead load = 10psf  
 1st floor live load = 40psf  
 Wall dead load (including 1 layer 1/2" thick gypsum board on each side) = 10psf  
 Max height of load bearing wall = 8ft  
 Scenario analysis also considers flexural and shear stress limits of a 3 continuous span 4x6 wood beam (F'b = 1,200psi for #1 or Better DF-L). The 1.2 reaction factor of 3 continuous spans is also included already.  
 X = Not Permissible

**TABLES LOADING SCENARIO: 2-STORY HOUSE @ LOAD BEARING WALL WITH GYPSUM**

**MAX SPACING OF EVERJACKS \***  
 BASED ON 3,000 lb SOIL CAPACITY (ALLOWABLE SOIL BEARING PRESSURE 1,500 psf \* 2.0 sq ft BEARING SURFACE AREA) AND BEAM SPAN FLEX LIMIT

**ROOF & 2ND FLOOR TRIBUTARY WIDTH**

		6 ft	8 ft	10 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
BEAM SPACING IN CRAWL SPACE	3 ft	3.3 ft	2.7 ft	2.2 ft	1.9 ft	1.7 ft	X	X	X	NP	NP	NP
	4 ft	3.1 ft	2.5 ft	2.1 ft	1.9 ft	X	X	X	X	NP	NP	NP
	5 ft	2.9 ft	2.4 ft	2.1 ft	1.8 ft	X	X	X	X	NP	NP	NP
	6 ft	2.7 ft	2.3 ft	2.0 ft	1.7 ft	X	X	X	X	NP	NP	NP
	7 ft	2.6 ft	2.2 ft	1.9 ft	1.7 ft	X	X	X	X	NP	NP	NP
	8 ft	2.5 ft	2.1 ft	1.8 ft	X	X	X	X	X	NP	NP	NP
	9 ft	2.4 ft	2.0 ft	1.8 ft	X	X	X	X	X	NP	NP	NP
	10 ft	2.2 ft	1.9 ft	1.7 ft	X	X	X	X	X	NP	NP	NP
	11 ft	2.1 ft	1.9 ft	X	X	X	X	X	X	NP	NP	NP
	12 ft	2.1 ft	1.8 ft	X	X	X	X	X	X	NP	NP	NP

\* NP = EVERJACKS ARE NOT PERMITTED

**MAX SPACING OF EVERJACKS \***  
 BASED ON 8,398 lb RATED CAPACITY (AVERAGE ULTIMATE BREAK LOAD OF 25,195 lb / 3.0 FACTOR OF SAFETY) AND BEAM SPAN FLEX LIMIT

**ROOF & 2ND FLOOR TRIBUTARY WIDTH**

		6 ft	8 ft	10 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
BEAM SPACING IN CRAWL SPACE	3 ft	4.8 ft	4.6 ft	4.4 ft	4.2 ft	4.1 ft	3.9 ft	3.8 ft	3.5 ft	NP	NP	NP
	4 ft	4.7 ft	4.5 ft	4.3 ft	4.1 ft	4.0 ft	3.9 ft	3.7 ft	3.4 ft	NP	NP	NP
	5 ft	4.5 ft	4.3 ft	4.2 ft	4.0 ft	3.9 ft	3.8 ft	3.6 ft	3.3 ft	NP	NP	NP
	6 ft	4.4 ft	4.2 ft	4.1 ft	3.9 ft	3.8 ft	3.7 ft	3.5 ft	3.2 ft	NP	NP	NP
	7 ft	4.3 ft	4.1 ft	4.0 ft	3.9 ft	3.7 ft	3.6 ft	3.4 ft	3.2 ft	NP	NP	NP
	8 ft	4.2 ft	4.0 ft	3.9 ft	3.8 ft	3.7 ft	3.6 ft	3.4 ft	3.1 ft	NP	NP	NP
	9 ft	4.1 ft	3.9 ft	3.8 ft	3.7 ft	3.6 ft	3.5 ft	3.3 ft	3.0 ft	NP	NP	NP
	10 ft	4.0 ft	3.9 ft	3.7 ft	3.6 ft	3.5 ft	3.5 ft	3.2 ft	3.0 ft	NP	NP	NP
	11 ft	3.9 ft	3.8 ft	3.7 ft	3.6 ft	3.5 ft	3.4 ft	3.1 ft	2.9 ft	NP	NP	NP
	12 ft	3.8 ft	3.7 ft	3.6 ft	3.5 ft	3.4 ft	3.3 ft	3.1 ft	2.8 ft	NP	NP	NP

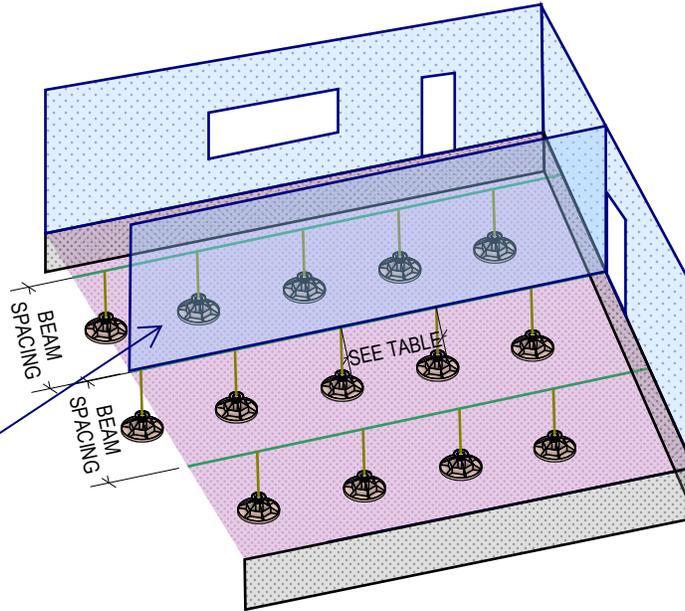
\* NP = EVERJACKS ARE NOT PERMITTED



## USE LIMITS FOR LOADING FROM FRAMING CONFIGURATION

# MAX SPACING of EVERJACKS

### 2 STORY HOUSES: SUPPORTING LOAD BEARING WALLS (PLASTER)



**Important Safety Warning:**  
The following Tables do not apply if attic purlin struts are spaced more than the maximum spacing shown in the table. If this is encountered, consult a licensed civil engineer or structural engineer or do not use EverJacks in the crawl space directly under the attic purlin strut.

**\* Tables Based On:**  
 Roof dead load = 17psf  
 Roof live load = 20psf  
 2nd floor dead load = 12psf  
 2nd floor live load = 40psf  
 1st floor dead load = 10psf  
 1st floor live load = 40psf  
 Wall dead load (including 1 layer 7/8" thick plaster on each side) = 24psf  
 Max height of load bearing wall = 8ft  
 Scenario analysis also considers flexural and shear stress limits of a 3 continuous span 4x6 wood beam (F'b = 1,200psi for #1 or Better DF-L). The 1.2 reaction factor of 3 continuous spans is also included already.  
 X = Not Permissible

**TABLES LOADING SCENARIO: 2-STORY HOUSE @ LOAD BEARING WALL WITH PLASTER**

**MAX SPACING OF EVERJACKS \***  
 BASED ON 3,000 lb SOIL CAPACITY (ALLOWABLE SOIL BEARING PRESSURE 1,500 psf \* 2.0 sq ft BEARING SURFACE AREA)  
 AND BEAM SPAN FLEX LIMIT

		ROOF & 2ND FLOOR TRIBUTARY WIDTH										
		6 ft	8 ft	10 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
BEAM SPACING IN CRAWL SPACE	3 ft	2.9 ft	2.4 ft	2.0 ft	1.8 ft	X	X	X	NP	NP	NP	NP
	4 ft	2.7 ft	2.3 ft	2.0 ft	1.7 ft	X	X	X	NP	NP	NP	NP
	5 ft	2.6 ft	2.2 ft	1.9 ft	X	X	X	X	NP	NP	NP	NP
	6 ft	2.4 ft	2.1 ft	1.8 ft	X	X	X	X	NP	NP	NP	NP
	7 ft	2.3 ft	2.0 ft	1.7 ft	X	X	X	X	NP	NP	NP	NP
	8 ft	2.2 ft	1.9 ft	1.7 ft	X	X	X	X	NP	NP	NP	NP
	9 ft	2.1 ft	1.8 ft	X	X	X	X	X	NP	NP	NP	NP
	10 ft	2.0 ft	1.8 ft	X	X	X	X	X	NP	NP	NP	NP
	11 ft	2.0 ft	1.7 ft	X	X	X	X	X	NP	NP	NP	NP
	12 ft	1.9 ft	X	X	X	X	X	X	NP	NP	NP	NP

\* NP = EVERJACKS ARE NOT PERMITTED

**MAX SPACING OF EVERJACKS \***  
 BASED ON 8,398 lb RATED CAPACITY (AVERAGE ULTIMATE BREAK LOAD OF 25,195 lb / 3.0 FACTOR OF SAFETY)  
 AND BEAM SPAN FLEX LIMIT

		ROOF & 2ND FLOOR TRIBUTARY WIDTH										
		6 ft	8 ft	10 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
BEAM SPACING IN CRAWL SPACE	3 ft	4.5 ft	4.3 ft	4.2 ft	4.0 ft	3.9 ft	3.8 ft	3.6 ft	NP	NP	NP	NP
	4 ft	4.4 ft	4.2 ft	4.1 ft	3.9 ft	3.8 ft	3.7 ft	3.5 ft	NP	NP	NP	NP
	5 ft	4.3 ft	4.1 ft	4.0 ft	3.8 ft	3.7 ft	3.6 ft	3.4 ft	NP	NP	NP	NP
	6 ft	4.1 ft	4.0 ft	3.9 ft	3.8 ft	3.7 ft	3.6 ft	3.3 ft	NP	NP	NP	NP
	7 ft	4.1 ft	3.9 ft	3.8 ft	3.7 ft	3.6 ft	3.5 ft	3.3 ft	NP	NP	NP	NP
	8 ft	4.0 ft	3.8 ft	3.7 ft	3.6 ft	3.5 ft	3.4 ft	3.2 ft	NP	NP	NP	NP
	9 ft	3.9 ft	3.8 ft	3.7 ft	3.6 ft	3.5 ft	3.4 ft	3.1 ft	NP	NP	NP	NP
	10 ft	3.8 ft	3.7 ft	3.6 ft	3.5 ft	3.4 ft	3.3 ft	3.1 ft	NP	NP	NP	NP
	11 ft	3.7 ft	3.6 ft	3.5 ft	3.4 ft	3.4 ft	3.2 ft	3.0 ft	NP	NP	NP	NP
	12 ft	3.6 ft	3.6 ft	3.5 ft	3.4 ft	3.3 ft	3.2 ft	2.9 ft	NP	NP	NP	NP

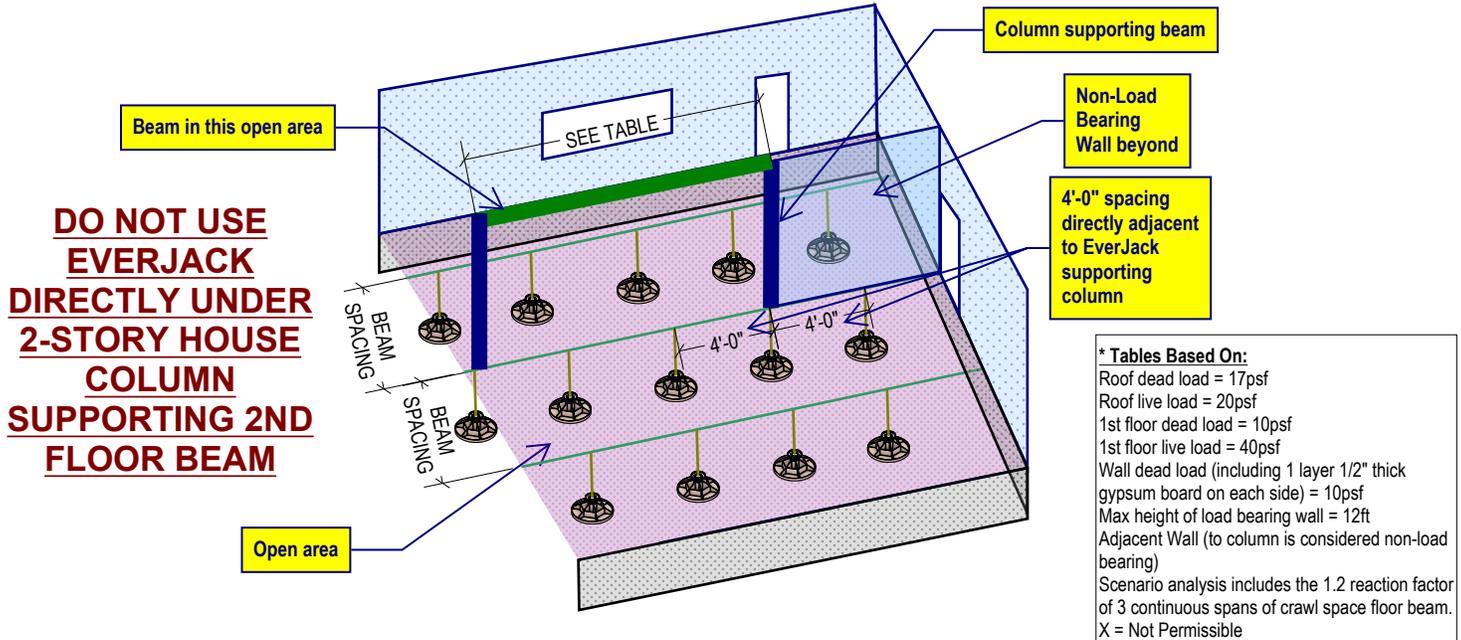
\* NP = EVERJACKS ARE NOT PERMITTED



## USE LIMITS FOR LOADING FROM FRAMING CONFIGURATION

### MAX ROOF BEAM SPAN

#### 1 STORY HOUSES: UNDER LOAD BEARING COLUMNS SUPPORTING ROOF BEAM



**TABLES LOADING SCENARIO:  
1-STORY HOUSE @ LOAD BEARING COLUMN SUPPORTING ROOF BEAM (COLUMN ADJACENT TO NON-LOAD BEARING WALL)**

**MAX ROOF BEAM SPAN \***  
 BASED ON 3,000 lb SOIL CAPACITY (ALLOWABLE SOIL BEARING PRESSURE 1,500 psf \* 2.0 sq ft BEARING SURFACE AREA)  
 AND CRAWL SPACE BEAM SPAN FLEX LIMIT

		ROOF TRIBUTARY WIDTH										
		6 ft	8 ft	10 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
BEAM SPACING IN CRAWL SPACE	3 ft	17.0 ft	13.8 ft	11.1 ft	9.2 ft	7.9 ft	6.9 ft	6.1 ft	5.5 ft	5.0 ft	4.6 ft	4.3 ft
	4 ft	16.3 ft	12.2 ft	9.8 ft	8.1 ft	7.0 ft	6.1 ft	5.4 ft	4.9 ft	4.4 ft	4.1 ft	3.8 ft
	5 ft	14.1 ft	10.6 ft	8.5 ft	7.1 ft	6.0 ft	5.3 ft	4.7 ft	4.2 ft	3.8 ft	3.5 ft	3.3 ft
	6 ft	11.9 ft	9.0 ft	7.2 ft	6.0 ft	5.1 ft	4.5 ft	4.0 ft	3.6 ft	3.3 ft	X	X
	7 ft	9.8 ft	7.3 ft	5.9 ft	4.9 ft	4.2 ft	3.7 ft	3.3 ft	X	X	X	X
	8 ft	7.6 ft	5.7 ft	4.6 ft	3.8 ft	3.3 ft	X	X	X	X	X	X
	9 ft	5.4 ft	4.1 ft	3.3 ft	X	X	X	X	X	X	X	X
	10 ft	3.3 ft	X	X	X	X	X	X	X	X	X	X
	11 ft	X	X	X	X	X	X	X	X	X	X	X
	12 ft	X	X	X	X	X	X	X	X	X	X	X

**MAX ROOF BEAM SPAN \***  
 BASED ON 8,398 lb RATED CAPACITY (AVERAGE ULTIMATE BREAK LOAD OF 25,195 lb / 3.0 FACTOR OF SAFETY)  
 AND BEAM SPAN FLEX LIMIT

		ROOF TRIBUTARY WIDTH										
		6 ft	8 ft	10 ft	12 ft	14 ft	16 ft	18 ft	20 ft	22 ft	24 ft	26 ft
BEAM SPACING IN CRAWL SPACE	3 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	16.8 ft	15.5 ft
	4 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	16.3 ft	15.0 ft
	5 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	15.7 ft	14.5 ft
	6 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	16.6 ft	15.2 ft
	7 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	16.0 ft	14.6 ft
	8 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	16.9 ft	15.4 ft	14.1 ft
	9 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	16.3 ft	14.8 ft	13.6 ft
	10 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	15.6 ft	14.2 ft	13.0 ft
	11 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	16.6 ft	15.0 ft	13.6 ft	12.5 ft
	12 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	17.0 ft	15.9 ft	14.3 ft	13.0 ft	11.9 ft	11.0 ft



## USE LIMITS FOR GROUND SURFACE CONDITIONS IN CRAWL SPACE

### ACCEPTABLE

### NOT ACCEPTABLE

#### GROUND SURFACE

Ground surface continues uninterrupted for at least 10" from EverJack in all directions.

Ground surface is flat (< 1% slope) around EverJack for at least 10" in all directions.



Ground surface is interrupted with a fissure, hole, or similar within 10" of EverJack in any direction.

Beginning of > 1% slope within 10" of EverJack in any direction.



#### SURFACE VARIATIONS

Minor rocky / bumpy surface of max 1/8 inch amplitude variations from pebbles, rocks, or dirt. (Comparing all regions within target placement area where any region is > 1/8 inch higher than the remainder of the target placement area.)



If more than 1/8 inch amplitude variations are discovered either of the following are acceptable remediations for use of Ever-Jack.

Clear off ground surface to ensure only minor deviations exists as defined above.

OR

Use 2" sand over existing surface spread out as described in the installation instructions.

Major rocky / bumpy surface with more than 1/8 inch amplitude variations from pebbles, rocks, or slightly higher regions of dirt.





# EVER-JACK

## USE LIMITS - ALL OTHER

### ACCEPTABLE

### NOT ACCEPTABLE

#### TEMPERATURE LIMITS

Installing in any crawl space where crawl space temperatures may reach beyond:  
 -20 Degrees Fahrenheit minimum  
 72 Degrees Fahrenheit maximum

**APPLICABLE TO BOTH ORIGINAL EVERJACK & ALL-IN-1 EVERJACK**

Installing in any crawl space where crawl space temperatures may reach beyond:  
 -20 Degrees Fahrenheit minimum  
 72 Degrees Fahrenheit maximum



**IMPORTANT SAFETY NOTE: LONG TERM TESTING FOR TEMPERATURES ABOVE 72 DEGREES FAHRENHEIT HAS NOT BEEN COMPLETED. LONG TERM TESTING FOR 104 DEGREES IS ONGOING. PERFORMANCE OF THE PRODUCT IN RESISTING LONG TERM LOADS IS NOT YET KNOWN AT ANY TEMPERATURE ABOVE 72 DEGREES. USE AT YOUR OWN RISK IN CRAWL SPACES THAT MAY EXCEED 72 DEGREES FAHRENHEIT.**

Where the crawl space is subject to below freezing temperatures, EverJacks must be installed below the frost line, but not buried. Also, in below freezing temperatures, any concrete foundations installed under the EverJack must be protected from frost in accordance with IBC Section 1809.5 or IRC Section R403.1.4.1, subject to approval by the building official.

#### SUNLIGHT

Installing where the product is not exposed to sunlight and UV rays.

Installing where the product is exposed to sunlight and UV rays.



#### INSTALLING / ADJUSTING

**APPLICABLE TO ORIGINAL EVERJACK**

Installing the top of post to beam metal bracket first. Then turning EverJack cap-bolt second.

Turning the EverJack cap-bolt first. Then installing the top of post to beam metal bracket second.

Installing any of these brackets for the wood post to beam connection:

Simpson Strong-Tie AC44, PC4Z, or BC4Z with all nails/screws installed into all faces of bracket/s.

Installing any other bracket than those listed on the left for the wood post to beam connection. To be clear, the frequently used "T" bracket is also not acceptable.

Turning cap-bolt to raise it up to 2.5" from its lowest position.

Turning cap-bolt to raise it more than 2.5" from its lowest position.



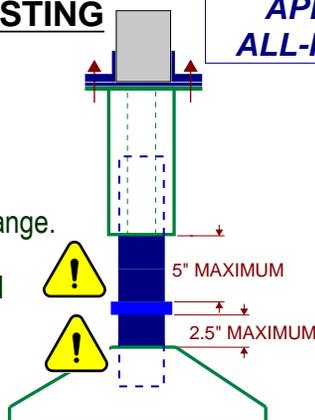
#### INSTALLING / ADJUSTING

**APPLICABLE TO ALL-IN-1 EVERJACK**

Centering under beam.

Connecting brackets with 1/4"-20x1" long bolts by inserting upwards under flange.

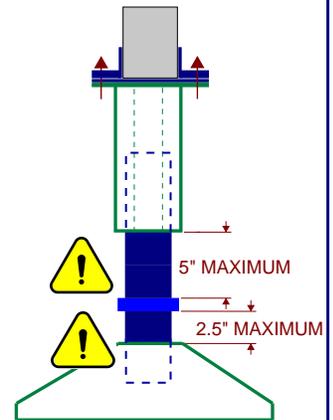
Extending within the stated maximum extension dimensions.



Positioning centerline offset from beam's center.

Not inserting 1/4"-20x1" long bolts upwards under flange.

Extending past the stated maximum extension dimensions.





## USE LIMITS - ALL OTHER

DO NOT overload the EverJack. The Spacing Tables provided above are only for the International Building Code's minimum applied loads. Actual loading for a particular house may be different. Consult a licensed civil engineer or structural engineer before using EverJacks in the crawl space.

The Spacing Tables above do not apply if attic purlin struts are spaced more than the maximum spacing shown in the table. If this is encountered, consult a licensed civil engineer or structural engineer or do not use EverJacks in the crawl space directly under the attic purlin strut.

Death, serious injury, and catastrophic property damage will result from improper placement under applied loads exceeding the capacity stated on the product label.

DO NOT place, turn components, or do anything otherwise to the EverJack if you have not completely reviewed the Manual. ALL items in the Manual must be followed for initial installation and for all future adjustments to ensure proper performance under applied load occurs.

CONTACT a civil or structural engineer for Structural Engineering Analysis Calculations and Plans for every project prior to installation. All work performed must be done according to the permitted set of plans by the authority having jurisdiction. Contractors are not permitted to do any work without a permit. Only licensed contractors are permitted to install these products.

WEAR protective gloves, long sleeves/pants, and glasses to prevent fine glass fiber from embedment. ANY person does not follow the above, agrees to indemnify, defend, and hold harmless the manufacturer for any and all claimed loss or damage.

WARNING: If product is cut, chopped, shaved, pulverized, etc., glass fibers could dislodge and become inhalable. They may or may not be biosoluble in the lung. Inhalable and biopersistent, glass wool fibers are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



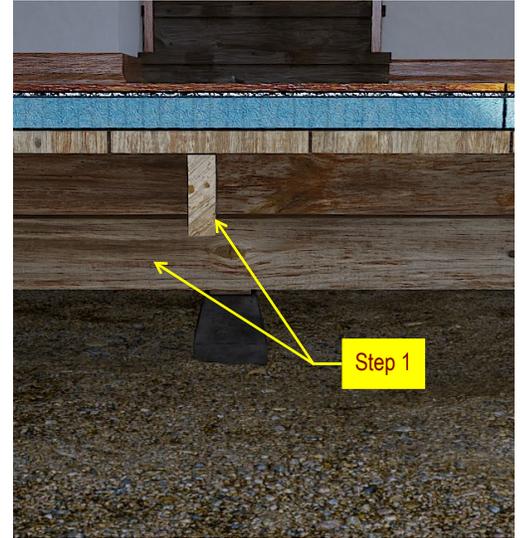
***INSTALLATION INSTRUCTIONS***

***ORIGINAL EVERJACK***

***METHOD 1:  
PLACING ORIGINAL EVERJACKS ALONG BEAM***

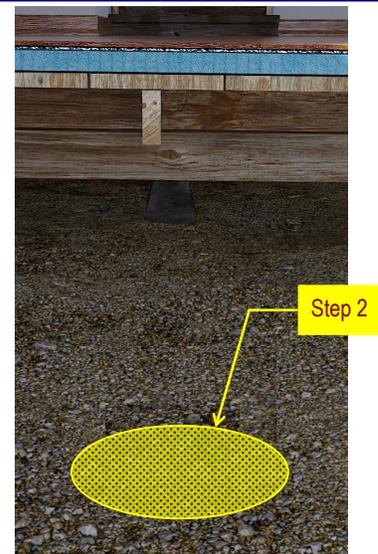
## INSTALLATION INSTRUCTIONS - METHOD 1: PLACING ORIGINAL EVERJACKS ALONG BEAM

**Step 1:** If an existing beam doesn't exist at location of desired EverJacks, install a beam under the existing joists by toe-nailing new beam to joists to temporarily hang new beam on joists.



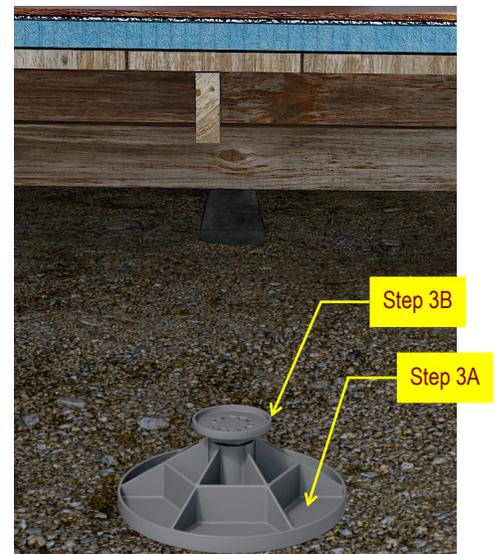
**Step 2:** Check surface of dirt under and around region of new wood post. If surface has variations from pebbles, rocks, or slightly higher regions of dirt (comparing side to side of target placement region) as defined in the "USE LIMITATIONS" document, bring in sand and spread sand out to create a 20" diameter circle centered on new wood post. Take extra care to ensure sand circle is concentric with the location of the new wood post. Ensure sand thickness reaches a minimum of 2 inches thick. Ensure final surface is uniform.

Alternatively, it is acceptable to clear off ground surface to ensure only minor deviations exist as defined in the "USE LIMITATIONS" document.



**Step 3A:** Place EverJack on surface of uniformly even dirt or sand centered on location of new post.

**Step 3B:** Spin EverJack's top cap-bolt downward to bring it into contact with the base. Finger tighten.

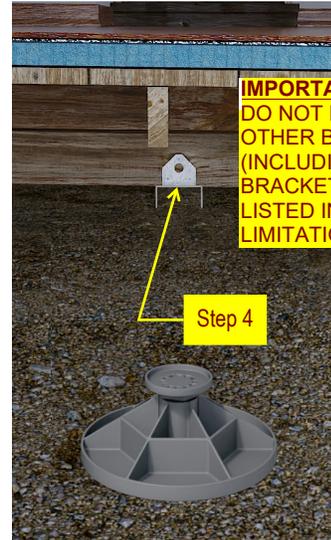


## INSTALLATION INSTRUCTIONS - METHOD 1: PLACING ORIGINAL EVERJACKS ALONG BEAM

**Step 4:** Align metal bracket at beam with EverJack below.

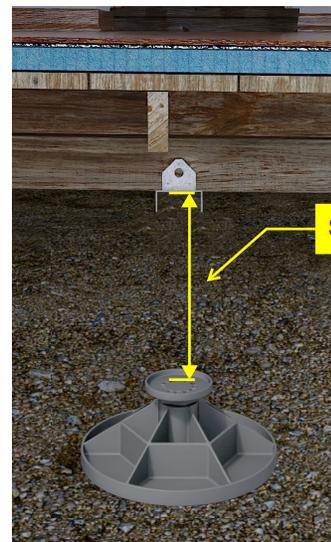
Fasten top metal bracket (AC44 or other approved brackets in the "USE LIMITATIONS" section of this document) to beam.

Allow metal bracket to hang on beam.



**Step 5A:** Measure distance from top of cap-bolt to bottom of metal bracket.

**Step 5B:** Cut 4x4 (3.5"x3.5") wood post to be 1/8" less than the measurement.

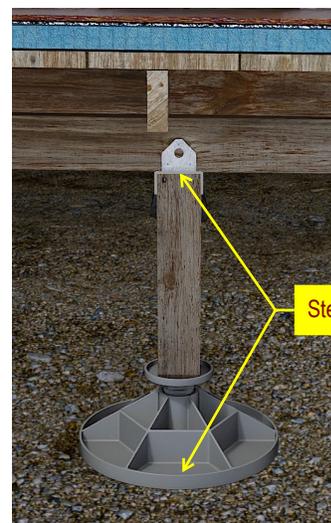


STEPS 5 TO 7 MAY BE INTERCHANGED WITH THOSE SHOWN IN METHOD 2

**Step 6A:** Temporarily slide EverJack away from its position under the beam.

**Step 6B:** Place cut wood post in cap-bolt.

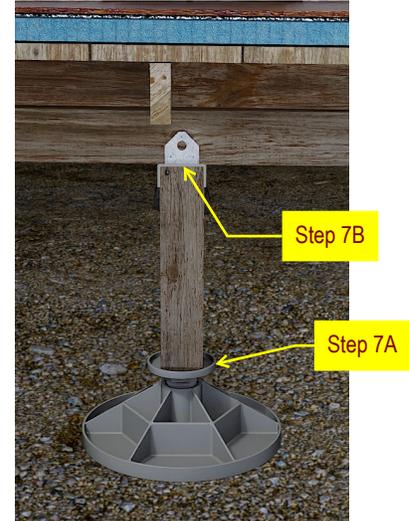
**Step 6C:** Slide back into its original position under the beam with the post remaining upright on cap-bolt. (Position EverJack to align post concentrically within top metal bracket where base is concentric with prepared ground surface)



## INSTALLATION INSTRUCTIONS - METHOD 1: PLACING ORIGINAL EVERJACKS ALONG BEAM

**Step 7A:** Raise up cap bolt by spinning it to ensure top of post is touching underside of metal bracket.

**Step 7B:** Fasten bracket to top of wood post.



**Step 8:** Connect beam to joists with proper metal brackets as needed to ensure beam does not shift during rotation of the cap bolt.

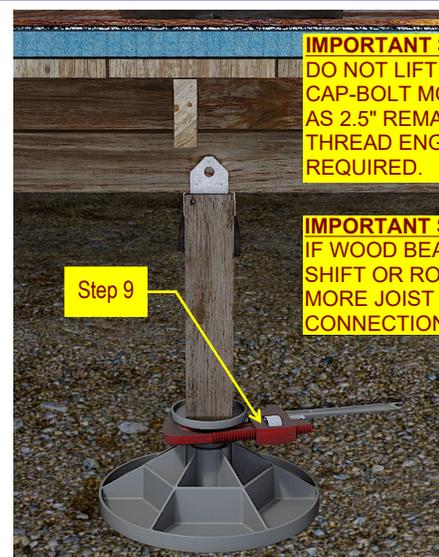


**Step 9:** Use wrench to spin Ever-Jack's cap-bolt clockwise for upward movement until floor above reaches the desired elevation or the maximum 2.5" of cap-bolt threads are exposed, whichever is smaller.

Ensure the post does not rotate and only the cap-bolt is rotating.

The Ever-Jack is now fully loaded.

Now repeat steps 1 to 9 at other locations along same beam per spacing indicated in "USE LIMITATIONS."



**IMPORTANT SAFETY NOTE:**  
DO NOT LIFT RAISE THE CAP-BOLT MORE THAN 2.5" AS 2.5" REMAINING THREAD ENGAGEMENT IS REQUIRED.

**IMPORTANT SAFETY NOTE:**  
IF WOOD BEAM BEGINS TO SHIFT OR ROTATE, INSTALL MORE JOIST TO BEAM CONNECTION BRACKETS.

**IMPORTANT SAFETY NOTE:**  
IF WOOD POST BEGINS TO TWIST & DISTORT BRACKET AT TOP, STOP SPINNING THE CAP-BOLT AND USE THE NEARBY TEMPORARY JACKS TO LIFT UP BEAM TO DESIRED ELEVATION. THEN HAND SPIN CAP-BOLT TO COME INTO CONTACT WITH THE BOTTOM OF THE ALREADY RAISED WOOD POST.



***INSTALLATION INSTRUCTIONS***

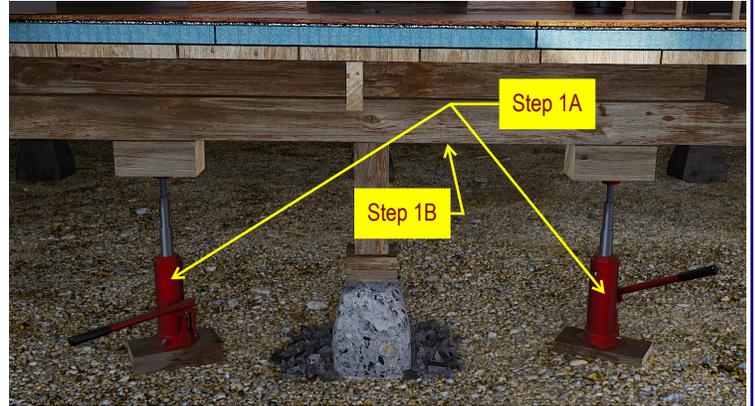
***ORIGINAL EVERJACK***

***METHOD 2:  
REPLACING EXISTING PIERS ALONG  
BEAM WITH ORIGINAL EVERJACKS***

## INSTALLATION INSTRUCTIONS - METHOD 2: REPLACING EXISTING PIERS AT BEAM WITH ORIGINAL EVERJACKS

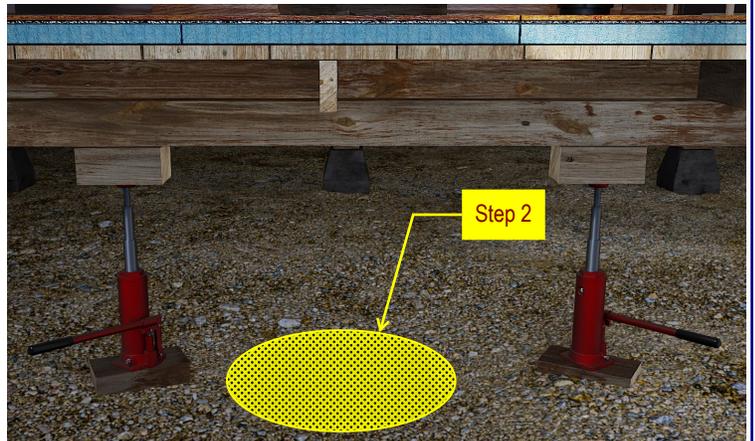
**Step 1A:** Place temporary jacks on each side of original wood post and original concrete pedestal to be removed.

**Step 1B:** Jack up original beam enough to remove original wood post & original concrete pedestal.



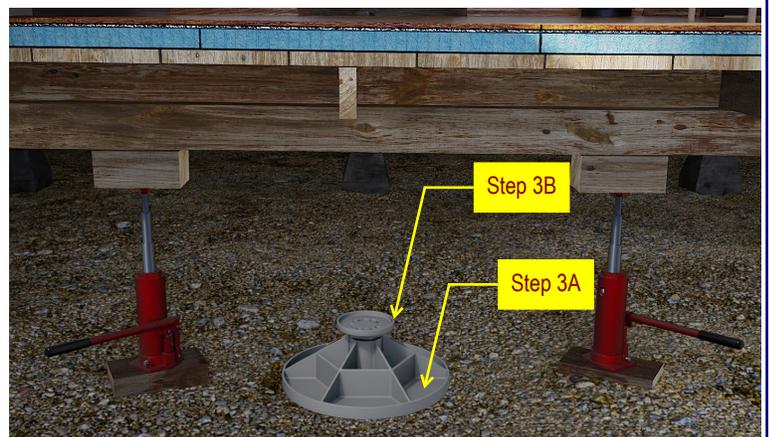
**Step 2:** Check surface of dirt under and around region of new wood post. If surface has variations from pebbles, rocks, or slightly higher regions of dirt (comparing side to side of target placement region) as defined in the "USE LIMITATIONS" document, bring in sand and spread sand out to create a 20" diameter circle centered on new wood post. Take extra care to ensure sand circle is concentric with the location of the new wood post. Ensure sand thickness reaches a minimum of 2 inches thick. Ensure final surface is uniform.

Alternatively, it is acceptable to clear off ground surface to ensure only minor deviations exist as defined in the "USE LIMITATIONS" document.



**Step 3A:** Place EverJack on surface of uniformly even dirt or sand centered on location of new post.

**Step 3B:** Spin EverJack's top cap-bolt downward to bring it into contact with the base. Finger tighten.



## INSTALLATION INSTRUCTIONS - METHOD 2: REPLACING EXISTING PIERS AT BEAM WITH ORIGINAL EVERJACKS

**Step 4:** Align metal bracket at beam with EverJack below.

Fasten top metal bracket (AC44 or other approved brackets in the "USE LIMITATIONS" section of this document) to beam.

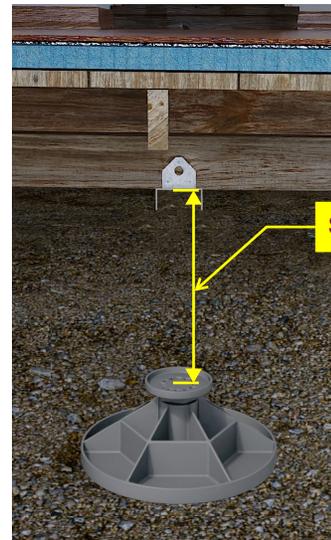
Allow metal bracket to hang on beam.



**IMPORTANT SAFETY NOTE:**  
DO NOT INSTALL ANY OTHER BRACKET (INCLUDING THE "T" BRACKET) THAN THOSE LISTED IN THE "USE LIMITATIONS" DOCUMENT.

**Step 5A:** Measure distance from top of cap-bolt to bottom of metal bracket.

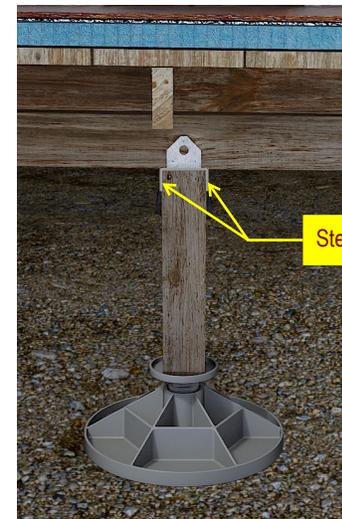
**Step 5B:** Cut 4x4 (3.5"x3.5") wood post to be 1/8" less than the measurement.



STEPS 5 TO 7 MAY BE INTERCHANGED WITH THOSE SHOWN IN METHOD 1

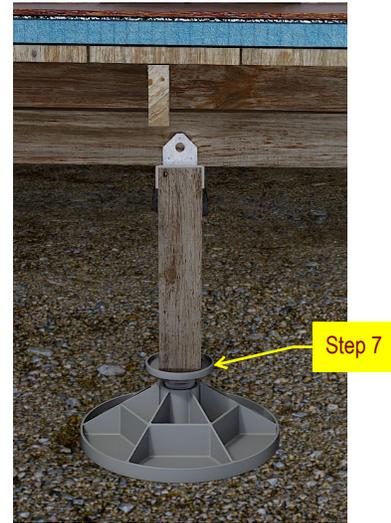
**Step 6:** Install cut 4x4 wood post so as to hang it from the beam's metal bracket allowing the bottom of the hung 4x4 to be suspended 1/8" above top of cap-bolt. Fasten bracket to top of 4x4 wood post.

Double check to ensure hung 4x4 wood post is aligned with interior region of the cap-bolt.



## INSTALLATION INSTRUCTIONS - METHOD 2: REPLACING EXISTING PIERS AT BEAM WITH ORIGINAL EVERJACKS

**Step 7:** Raise up cap-bolt by spinning it to ensure interior region of cap-bolt comes into contact with the bottom of the post.



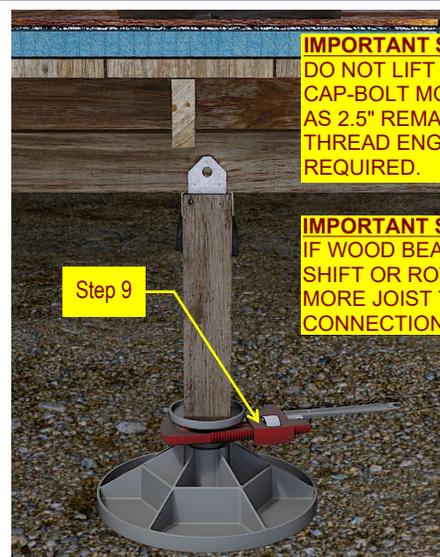
**Step 8:** Connect beam to joists with proper metal brackets as needed.



**Step 9:** Use wrench to spin Ever-Jack's cap-bolt clockwise for upward movement until floor above reaches the desired elevation or the maximum 2.5" of cap-bolt threads are exposed, whichever is smaller.

Ensure the post does not rotate and only the cap-bolt is rotating.

The Ever-Jack is now fully loaded.



**IMPORTANT SAFETY NOTE:**  
DO NOT LIFT RAISE THE CAP-BOLT MORE THAN 2.5" AS 2.5" REMAINING THREAD ENGAGEMENT IS REQUIRED.

**IMPORTANT SAFETY NOTE:**  
IF WOOD BEAM BEGINS TO SHIFT OR ROTATE, INSTALL MORE JOIST TO BEAM CONNECTION BRACKETS.

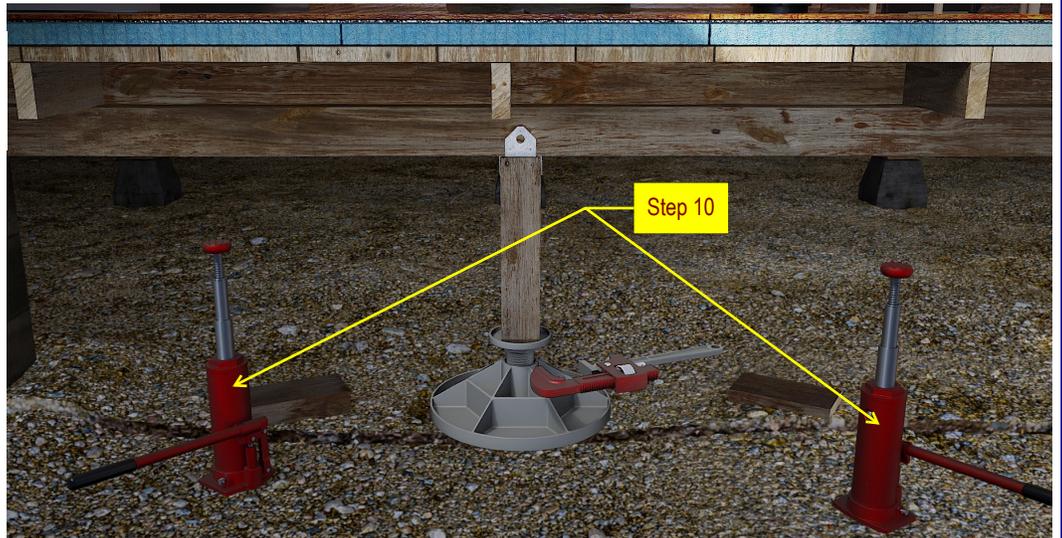
**IMPORTANT SAFETY NOTE:**  
IF WOOD POST BEGINS TO TWIST & DISTORT BRACKET AT TOP, STOP SPINNING THE CAP-BOLT AND USE THE NEARBY TEMPORARY JACKS TO LIFT UP BEAM TO DESIRED ELEVATION. THEN HAND SPIN CAP-BOLT TO COME INTO CONTACT WITH THE BOTTOM OF THE ALREADY RAISED WOOD POST.



# EVER-JACK

## INSTALLATION INSTRUCTIONS - METHOD 2: REPLACING EXISTING PIERS AT BEAM WITH ORIGINAL EVERJACKS

**Step 10:** Remove wrench and nearby temporary jacks.



**Step 11:** Return to Step 1 of this method to repeat process at next post along same beam.



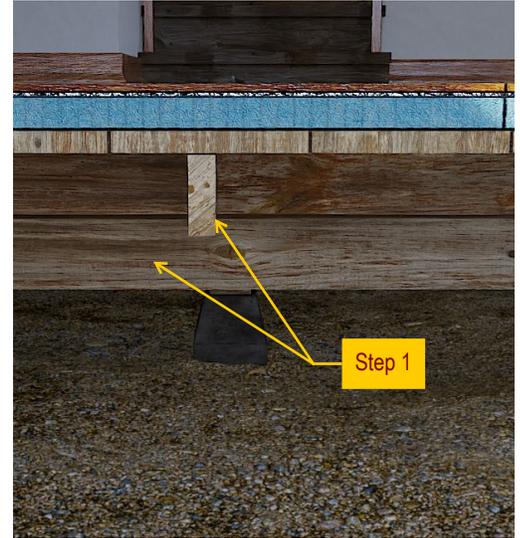


***INSTALLATION INSTRUCTIONS***

***ALL-IN-1 EVERJACK***

## INSTALLATION INSTRUCTIONS - ALL-IN-1 EVERJACK

**Step 1:** If an existing beam doesn't exist at location of desired EverJacks, install a beam under the existing joists by toe-nailing new beam to joists to temporarily hang new beam on joists.



**Step 2:** Check surface of dirt under and around region of new wood post. If surface has variations from pebbles, rocks, or slightly higher regions of dirt (comparing side to side of target placement region) as defined in the "USE LIMITATIONS" document, bring in sand and spread sand out to create a 20" diameter circle centered on new wood post. Take extra care to ensure sand circle is concentric with the location of the new wood post. Ensure sand thickness reaches a minimum of 2 inches thick. Ensure final surface is uniform.

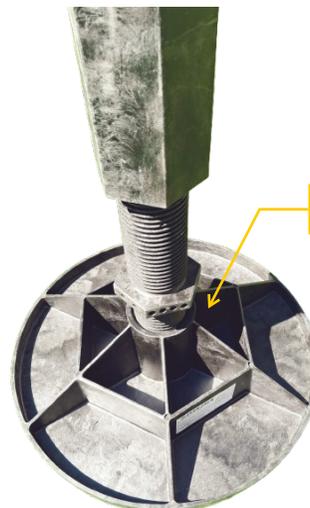
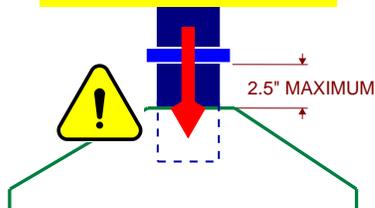
Alternatively, it is acceptable to clear off ground surface to ensure only minor deviations exist as defined in the "USE LIMITATIONS" document.



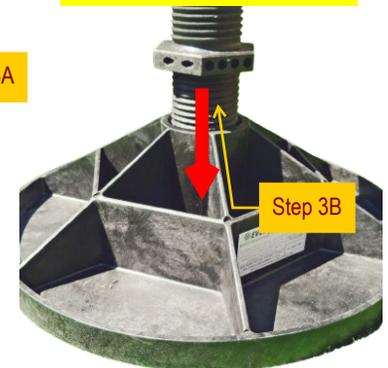
**Step 3A:** Place the base of the All-in-1 EverJack on surface of uniformly even dirt or sand centered on location of new post.

**Step 3B:** Spin EverJack's Threaded-Shaft downward into the base.

**IMPORTANT SAFETY NOTE:**  
Insert it far enough so that the maximum extension dimension shown is not violated:



**IMPORTANT SAFETY NOTE:**  
Insert it far enough so that the maximum extension dimension shown is not violated:



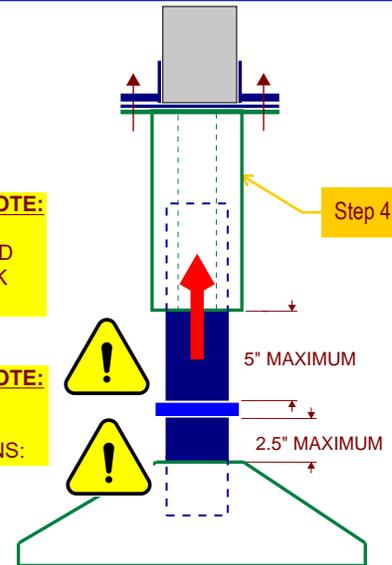
## INSTALLATION INSTRUCTIONS - ALL-IN-1 EVERJACK

**Step 4:** Raise up Hex-Extender by spinning it to ensure top of Rotating-Disc is touching underside of beam. It should only be touching. Do not turn so far that the beam load is applied to the All-in-1 EverJack until STEP 7.

Final dimension from bottom of base to underside of beam must be less than 25".

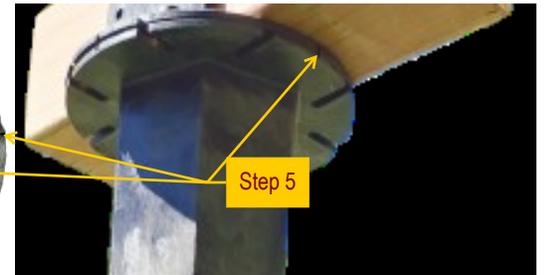
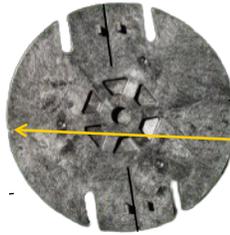
**IMPORTANT SAFETY NOTE:**  
WAIT UNTIL STEP 7 TO TURN ENOUGH TO LOAD THE ALL-IN-1 EVERJACK WITH THE BEAM.

**IMPORTANT SAFETY NOTE:**  
DO NOT EXTEND PAST EITHER MAXIMUM EXTENSION DIMENSIONS:



**Step 5:** Center All-in-1 EverJack under beam by checking to ensure the **notch** on the Hex-Extender's Flange and Rotating-Disc is aligned with the beam centerline.

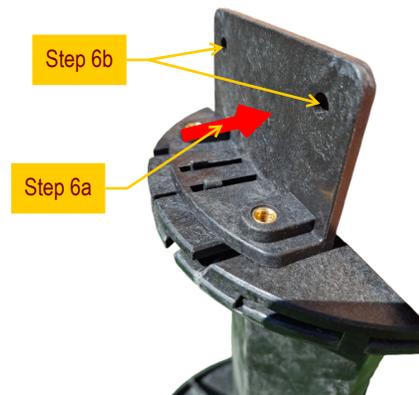
If not, adjust placement of EverJack base underneath until **both notches** align with beam centerline.



**IMPORTANT SAFETY NOTE:**  
DO NOT SKIP THIS STEP. ENSURE NOTCHES ALIGN PRIOR TO LOADING THE ALL-IN-1 EVERJACK.

**Step 6a:** Slide bracket up against beam.

**Step 6b:** Connect brackets to wood beam with 1/4" diameter wood screws (not included) thru holes on vertical face.



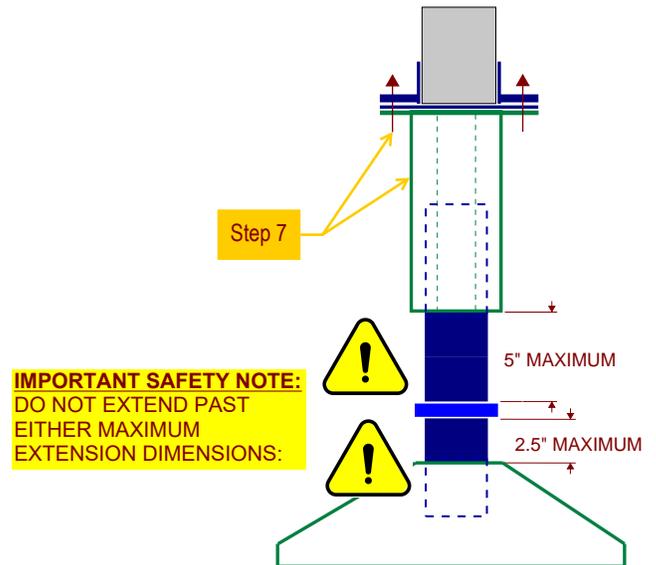
## INSTALLATION INSTRUCTIONS - ALL-IN-1 EVERJACK

**Step 7:** To load All-in-1 EverJack or raise the floor above with the All-in-1 EverJack, rotate the Hex-Extender to its final position.

Note that the final position must ensure the slots on the Hex-Extender flange align with the brass nut inserts of the clip brackets.

Final dimension from bottom of base to underside of beam must be less than 25".

Do not rotate it so much that the maximum allowed dimensions are exceeded.



**Step 8:** Connect brackets with 1/4"-20x1" long bolts (provided with product) by inserting upwards under flange into the brass nut inserts. Finger tighten only.

**IMPORTANT SAFETY NOTE:**  
FINGER TIGHTEN ONLY. DO NOT USE A WRENCH OR TOOL.



DONE.