

# ***EPITOME***

Composite Footings



## Installation Manual

# Contents

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Installation Manual	<u>Page</u>
<i>Requirements, Capacities, Values &amp; Limitations</i> .....	CPS1
<i>Requirements, Capacities, Values &amp; Limitations</i> .....	CPS2
<i>Installing your Epitome Composite Footing</i> .....	CPS3
<i>Figure A</i> .....	CPS4

# Installation Manual

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*Epitome Composite Footings are pre-engineered footings designed to support numerous foundation applications to include foundations for one and two family dwellings, single family dwellings ect.....*

*Projects that involve details and conditions which are beyond the scope of the pre-engineering parameters described in this manual **MUST** be designed in accordance with accepted engineering practice and require project-specific review and detailing by a person competent in applying the structural design principles involved. In many jurisdictions this will require a registered design professional.*

## **Requirements, Capacities, Values & Limitations**

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### **Specifications**

<b>Class of Materials</b>	<b>Presumptive Load Bearing Value (psf)</b>	<b>Modified Modulus of Soil Reaction, k (psi/in)</b>
1. Crystalline bedrock	12,000	--
2. Sedimentary and foliated rock	4,000	--
3. Sandy gravel and/or gravel (GW and GP)	3,000	800
4. Sand, silty sand, clayey sand, silty gravel, and clayey gravel (SW, SP, SM, SC, GM, GC)	2,000	400
5. Clay, sandy clay, silty clay, clayey silt, silt and sandy silt (CL, ML, MH and CH)	1,500	100

*Epitome Composite Footings must be supported on a **Leveled-Compacted Substrate***

## Capacities

Substrate "Soil" Bearing Value (psf)	Load Eccentricity (in.)		Maximum Load (lbf)	Maximum Load/3 (lbf)	Load at 0.75-in. <sup>a</sup> Deflection (lbf)	Soil Load Rating <sup>b</sup> (lbf)	
2000	0.5-in.		16,749	5,583	NR	10,709	
			16,482	5,494	NR	10,714	
			17,280	5,760	NR	10,714	
			17,607	5,869	NR	10,704	
			16,519	5,506	NR	10,714	
			16,504	5,501	NR	10,714	
			16,753	5,584	NR	10,709	
			17,118	5,706	NR	10,714	
			15,836	5,279	NR	10,714	
			16,704	5,568	NR	10,714	
			16,398	5,466	NR	10,714	
			17,186	5,729	NR	10,682	
			17,666	5,889	NR	10,691	
			15,791	5,264	NR	10,704	
			15,247	5,082	NR	10,727	
			16,397	5,466	NR	10,714	
			16,771	5,590	NR	10,699	
			16,424	5,475	NR	10,695	
			16,445	5,482	NR	10,714	
			16,283	5,428	NR	10,695	
			16,721	5,574	NR	10,699	
			17,746	5,915	NR	10,714	
			17,386	5,795	NR	10,704	
	17,260	5,753	NR	10,709			
	16,167	5,389	NR	10,704			
	<b>Average:</b>		<b>16,698</b>	<b>5,566</b>	--	10,707	- -

**Note:** Soil load rating (or maximum presumptive load for the soil class being assessed) is the load applied through the specimen which achieves the soil load bearing capacity. (e.g. 750 lbf / 0.5 ft<sup>2</sup> = 1,500 psf)

## Installing your Epitome Composite Footing

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### Reference Figure A

1. Epitome Footings must be installed on a **LEVELED AND COMPACTED SUBSTRATE**
2. Each Epitome Footing will be pre-cut and labeled in accordance with the provided home plans for easy installation
3. Install the footings by placing each footing panel in the location specified on the diagram provided by CPS
4. After all of the footing panels are in place you will secure the footings by driving one 18" #3 rebar into each pre-drilled hole
5. When all footing panels are secure you can begin marking the footing for placement of the foundation walls (foundation walls must be centered on the footing)

Figure A

