VR-1 Foundation System – Compliance & Performance Overview

Feature	Specification	Benefit
Comprehensive Code Compliance	Meets **2021 & 2018 IBC/IRC** requirements.	Ensures adherence to industry regulations for safe and reliable construction.
Intended Use for Structural Support	Designed for **crawl-space wood post support** in Type V construction (IBC) and all residential applications (IRC).	Provides foundation stability for structures relying on isolated footings for gravity load distribution.
High-Strength Material Composition	Uses **ACI 318-compliant concrete** (min 2,500 psi) and **ASTM-certified steel components**.	Delivers superior durability, minimizing the risk of structural failure over time.
Optimized Load Capacity	Supports **8,000 lbs per pier**, depending on soil conditions.	Provides high-strength support for wood post applications, making it ideal for various structural loads.
Precision-Engineered Components	**Steel sleeve (4" x 4", 11-gauge), welded base plate (12" x 12" x ¼"), geotextile fabric pad filled with concrete (3' x 3' x 10")**.	Engineered for maximum stability, minimizing displacement, and optimizing structural integrity.
Straightforward Installation Process	Designed for compliance with **IBC/IRC standards**, following the manufacturer's specifications.	Simplifies construction while maintaining safety and efficiency.
California-Specific Code Compliance	Fully compliant with **2019 CBC (Chapter 18)** and **CRC (Section R301.1.3)**.	Approved for use in California, ensuring compatibility with regional building codes.
Validated Performance & Certification	Previously listed under **ICC-ES ESR-4921**, continues to meet ASTM and ANSI standards.	Ensures quality and reliability, even without an active ICC listing.

VR-1 Foundation System – Strength, Simplicity, Compliance.