

**GENERAL NOTES:**

REFERENCE: CALIFORNIA CODE OF REGULATIONS, TITLE 25 AND 2007 CBC, CHAPTER 16.

1. DESIGN LOADS SHALL BE CONSISTENT WITH LOCAL REQUIREMENTS WHERE INSTALLED. THE FOLLOWING DESIGN LOADS ARE INCORPORATED HEREIN: 100 PSF AS LISTED IN TABLE 1.1, 100 PSF ROOF LIVE LOAD, 30 PSF DEAD LOAD, 100 PSF WIND SPEED & EXPOSURE, 85-100 MPH AS LISTED IN TABLE 1.1, 100 PSF WIND SPEED & EXPOSURE, 85-100 MPH AS LISTED IN TABLE 1.1, 100 PSF WIND SPEED & EXPOSURE, 85-100 MPH AS LISTED IN TABLE 1.1.

2. FOOTINGS ARE TO BE SUPPORTED BY EITHER FIRM, UNSATURATED SOIL, COMPACTED FILL, ASPHALT OR CONCRETE. FOOTINGS ARE DESIGNED FOR 1000 PSF BEARING CAPACITY & SHALL BE COMPATIBLE WITH LOCAL SOIL CONDITIONS. ALL FOOTINGS SHALL BE FOUND IN ACCORDANCE WITH HCD GUIDELINES AND TITLE 25 OR PREPARE SUBGRADE PER SOIL REPORT WHEN AVAILABLE.

3. STRUCTURAL STEEL

a. SHALL CONFORM TO ASTM A36 F<sub>y</sub> = 36 KSI MINIMUM.

b. SHALL BE FABRICATED ACCORDING TO AISC SPECIFICATIONS.

c. SHALL BE WELDED ACCORDING TO AWS SPECIFICATIONS.

d. ALL METAL COMPONENTS INCLUDING NAILS & SCREWS ETC. ARE TO BE PROTECTIVE COATED.

4. THE ANCHOR BRACE (LISTING #18667) SHALL BE LISTED AND LABELED BY CERTIFIED TESTING AND CONSULTING SERVICES (CTS) FOR THE FOLLOWING LOADS:

a. ANCHOR BRACE LATERAL 2767 LBS (Working Load), 4151 LBS (Ultimate Load)

b. ANCHOR BRACE UPLIFT 2133 LBS (Working Load), 3200 LBS (Ultimate Load)

5. ALL CHASSIS BEAM PIERS REQUIRED BY THE HOME MANUFACTURER SHALL BE POSITIVELY ATTACHED TO THE CHASSIS BEAM AND FOUNDATION PAD IN ACCORDANCE WITH TITLE 25, SECTION 1334.1. STEEL PIERS SUPPORTS SHALL BE MANUFACTURED BY CENTRAL PIERS, INC. OR BE APPROVED EQUAL. ALL CHASSIS, PERIMETER AND MARRIAGE LINE SUPPORTS SHALL BE INSTALLED PER THE HOME INSTALLATION MANUAL. WITHOUT HOME INSTALLATION MANUAL, ALL PIERS SHALL BE INSTALLED PER TITLE 25, SECTION 1335.5.

6. THIS SYSTEM MAY BE USED WITH MASONRY BLOCK STANDARD SUPPORTS. THE BLOCKS SHOULD BE INSTALLED PER TITLE 25 AND THE HOME INSTALLATION MANUAL.

7. THIS SUPPORT SYSTEM PLAN IS DESIGNED TO BE CONSTRUCTED ON A LEVEL SITE WITH NO EXISTING SOIL PROBLEMS (SECTION 1334, TITLE 25).

8. THE ANCHOR BRACE SHALL NOT BE INSTALLED IN NON-COHESIVE SOIL (CLASS 4 SP, SW)

9. WHEN OBSTRUCTIONS ARE ENCOUNTERED, THE DIRECTION OF THE ANCHOR BRACE MAY BE REVERSED PROVIDED THAT THE OPPOSITE ANCHOR BRACE IS ALSO REVERSED. THIS CONFIGURATION MAY BE USED WITH PERIMETER CHASSIS BEAMS.

**COACH SIZE NOTES:**

1. NUMBER OF ANCHOR BRACES TO BE DETERMINED BY TABLE BY HOME SIZE.

2. UNLESS APPROVED BY ROCK SOLID ENGINEERING, INC., THE ROOF PITCH SHOULD NOT EXCEED THOSE LISTED IN THE TABLE.

3. FOR ANY HOME SIZE OTHER THAN LISTED IN THE TABLE, THE ANCHOR LAYOUT SHALL BE REVIEWED AND APPROVED BY ROCK SOLID ENGINEERING, INC.

**INSPECTION REQUIREMENTS:**

1. THE DESIGN OF THIS SYSTEM IS BASED ON STANDARD MANUFACTURED HOMES AS BUILT BY THE MANUFACTURER. SITE BUILT ADDITIONS SUCH AS GARAGES AND SECONDARY ROOFS HAVE NOT BEEN INCLUDED IN THIS DESIGN.

2. ALL DIMENSIONS INCLUDED ON THIS PLAN, INCLUDING HOME SIZE, ROOF HEIGHT AND PIER HEIGHT, SHOULD BE FIELD VERIFIED BY THE LOCAL BUILDING OFFICIAL. ANY DISCREPANCIES SHOULD BE IMMEDIATELY BROUGHT TO THE ENGINEER'S ATTENTION.

3. THE BUILDING PAD SHOULD BE INSPECTED TO ENSURE THAT PROPER PAD PREPARATION & DRAINAGE PATTERNS HAVE BEEN ESTABLISHED IN ACCORDANCE WITH TITLE 25 & THE HOME INSTALLATION MANUAL.

