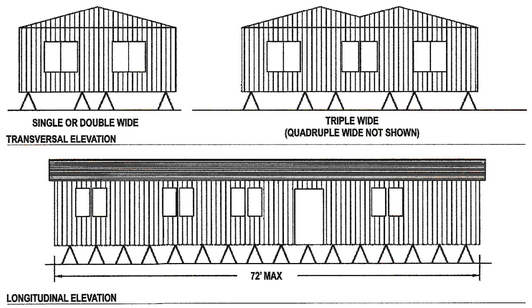
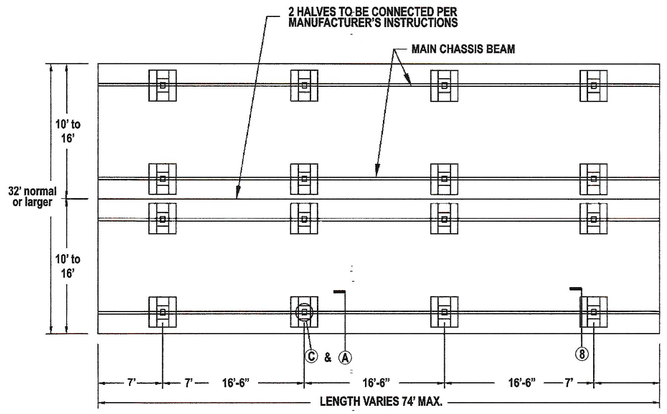
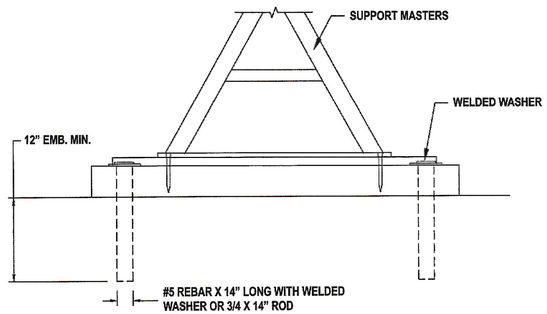
MOBILE HOME EARTHQUAKE BRACING SYSTEM

REFERENCE: CALIFORNIA CODE OF REGULATIONS, TITLE 25,
CALIFORNIA BUILDING CODE 2025 EDITION.





NOTES:
K2. FOR COACHES LONGER THAN 63'-6" USE TOTAL OF 18 SUPPORT MASTERS WITH THE 2 ADDED JACK APPROXIMATELY AT CENTER OF COACH ONE ON EACH OUTSIDE CHASSIS FOR COACHES SHORTER THAN 46' USE 12 SUPPORT MASTERS.



(K) TYPICAL FOUNDATION PLAN DOUBLE WIDE

NO SOIL NAILING IS REQUIRED FOR DOUBLE WIDE AND LARGER
SEE NOTE K2
FOR SINGLE WIDE USE HALF THE DIAGRAM SHOWN ABOVE
WITH GROUND PINS ON EACH SUPPORT MASTER.

INSTALLATION INSTRUCTIONS
INSTALLATION OF SUPPORT
MASTER & SPI SAFETY JACK

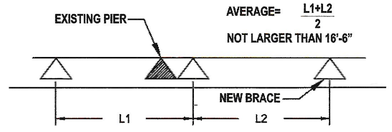
For ease in installing the system, Manufacturer recommends two (2) installers, one to install clips and the other to position pads and fit and adjust pier(s) spacing. The support master should be installed per plan.

1. Make sure your home is properly leveled.

2. Starting at one end of a main frame under your home, begin by adding support master (on that singular main frame) and work your way to the end of the frame.

3. When one row of support master has been completely installed, reapeat item #2 on each and every remaining main frame under your home. Remember to maintain the adequate spacing per plan call out.

SUPPORT MASTER ERBS HAS TO BE USED WITH EXISTING APPROVED SUPPORT SYSTEM. EXISTING PIERS ARE TO REMAIN UNTOUCHED. WHERE LOCATION OF THE NEW PIER BRACE CONFLICTS WITH EXISTING SUPPORT SYSTEM. THE NEW BRACE SHALL BE INSTALLED IMMEDIATELY ADJACENT TO THE EXISTING PIER EVEN THOUGH THE SPACING MAY EXCEED THE MAXIMUM 16'-6" NOTED ABOVE. HOWEVER, THE PRIOR BRACE SHALL BE MOVED CLOSER TO REDUCE THE OVERALL AVERAGE DISTANCE ON BOTH SIDES. SEE DIAGRAM BELOW.



SPACING BETWEEN BRACES IS TYPICAL
16'-6" FOR ALL STEEL BEAM CHASSIS
REGARDLESS OF CHASSIS SIZES. SEE (K)

NOTES AND SPECIFICATIONS DESIGN CRITERIA:

1. THESE PLANS ARE INTENDED TO BE USED IN CONJUNCTION WITH INSTALLATION INSTRUCTIONS.

2. MATERIALS: STEEL SHAPES AND PLATES: ASTM A36
STEEL TUBE.....: ASTM A50D OR B
BOLTS.....: ASTM A307 MIN.

3. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1-04 BY AMERICAN WELDING SOCIETY. WELDERS SHALL BE QUALIFIED IN ACCORDANCE WITH AWS. ELECTRODES SHALL BE: E70XX OR ER70S-X (SPRAY ARC ONLY).

4. THIS ERBS IS TO BE PLACED ON A FAIRLY LEVEL SITE WITH NO EXISTING SOIL PROBLEMS. IF SETTLEMENT OCCURS DUE TO POOR SOIL, MANUFACTURED HOME SHOULD BE READJUSTED WHEN DIFFERENCE IN LEVEL IS MORE THAN 1/4" OR WHEN IT WOULD ADVERSELY AFFECT THE USE OF THE MANUFACTURED HOME.

5. ONE END OF THE HOME MAY HAVE SUPPORT MASTERS AS HIGH AS 32" BUT THIS IS APPLICABLE ONLY IF OTHERS ARE 24" HIGH MAX. PIERS OVER 24" SHALL HAVE DOUBLE STIFFENER PER DETAIL B.

6. BRACES SHALL BE LOCATED IN ACCORDANCE WITH DETAIL K.

7. PIERS SHALL BE LOCATED IN ACCORDANCE WITH MOBILE HOME MANUFACTURER'S SPECIFICATIONS.

8. DESIGN ASSUMES 14" WIDE COACH AS FOLLOWS:

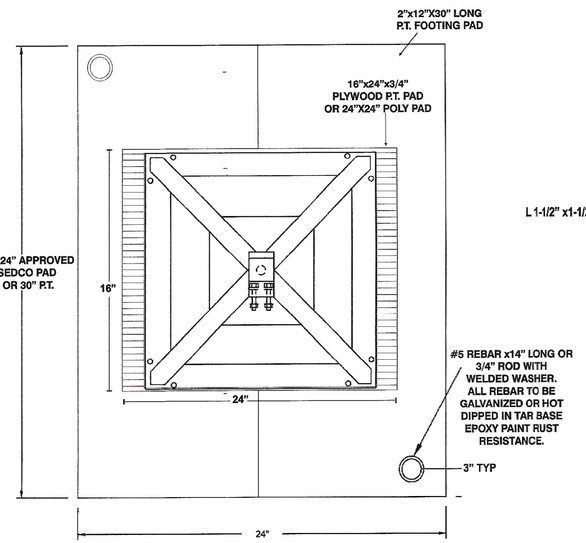
FLOOR LIVE LOAD:	40 PSF
ROOF LIVE LOAD:	20 PSF
SNOW:	80 PSF
EARTHQUAKE:	SEISMIC DESIGN CATEGORY "D": SITE CLASS "E" SDS = 1.0
WIND:	VULT = 130 MPH EXPOSURE "C" TOPOGRAPHIC FACTORY K=1.0
COACH WEIGHT:	333 PLF
SOIL:	NOMINAL 1000 PSF

9. PLANS SHALL BE CONSIDERED AS ON COMPLETE SYSTEM.

10. PADS TO BE 24"x24" SEDCO PADS OR 2"x12"x30" P.T. PADS.

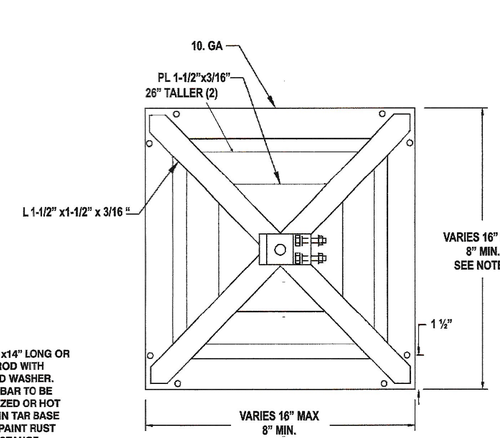
11. A MIN. 18" CLEARANCE SHALL BE MAINTAINED BENEATH FLOOR JOIST & 8" MIN. BELOW MAIL STEEL CHALLIS BEAM.

12. ALL REBAR TO BE PRIMED WITH RUST RESISTANT PAINT.
LISTING CAP:
VERTICAL LOAD= 16000 LB.
LATERAL LOAD= 555 LB.



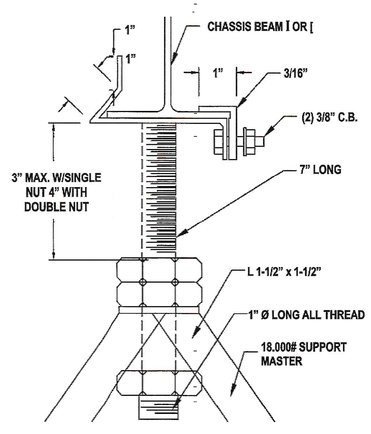
(C) SUPPORT MASTER & SPI SAFETY JACK

GROUND PIN APPLIES TO SINGLE WIDE ONLY
WHERE PIER IS LOCATED ON CONC. SLAB USE 5/8"DIA. x 3-1/2 LONG RED HEAD ANCHORS W 1-1/2" MIN. EMBEDMENT IN PLACE OR REBAR ANCHORS

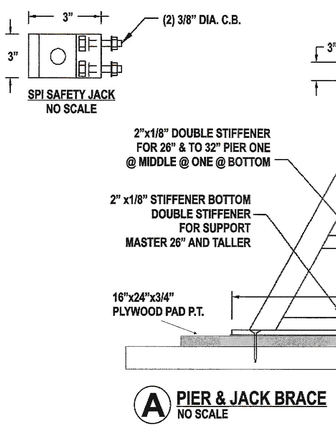


(B) SUPPORT MASTER & SPI SAFETY JACK

NOTE 1 PIER BASE DIMENSIONED VARIES:
8" SQ. BASE FOR 6' TALL PIER
12" SQ. BASE FOR 12' TALL PIER
16" SQ. BASE FOR PIER TALLER THAN 14"



SPI SUPPORT MASTER WITH ADJUSTMENT SPACING



(A) PIER & JACK BRACE

NO SCALE

LISTING LABEL
SUPPORT MASTER & SPI SAFETY JACK MODEL NO. SPI-SM1000
Mobile Home Earthquake Resistant Bracing System PCI Listing # Complete with California Code of Regulations, Title 25, Chapter 2, Art. 7.5
Listed & Inspected by: BSK Associates, Inc.
Sedco Piers, Inc. Manufactured Housing Support Products 33320 Mission Trail, Wildomar, CA

SEDCO PLASTIC FOUNDATION PAD RADCO LISTING #1355	TEST REPORT #8141-15K 18,000 LB RATED "Support Master" Pier Testing Listing Agency: BSK Associates, Inc. Listing # 1053-4

REGISTERED PROFESSIONAL ENGINEER
DAVID X. DARMER
No. 17910
Exp. 6/30/17
CIVIL
STATE OF CALIFORNIA
12-16-16

MOBILEHOME EARTHQUAKE BRACING SYSTEM CERTIFICATION

THIS SYSTEM IS CERTIFIED AS BEING LISTED & APPROVED BY A DEPARTMENT APPROVED LISTING OR TESTING AGENCY PURSUANT TO THE C.A.C. TITLE 25 CHAPTER 2 CERTIFICATION DOES NOT AUTHORIZE OF APPROVE ANY CVASSION OF DEVIATION FROM REQUIREMENTS OF APPLICABLE STATE LAWS OR REGULATIONS.

STATE OF CALIFORNIA
DEPARTMENT OF HOUSING & COMMUNITY DEVELOPMENT
DIVISION OF CODES & STANDARDS
BY
DATE 11/2/16
EXPIRES 11/13/20

PACIFIC CONSULTING ENGINEERS
9739 North Vista Dr. • Kingman, AZ 86401
916.296.7376

MOBILE HOME EARTHQUAKE BRACING SYSTEM

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PROJ. NO.	
DRAWN	CLD
DATE	10/02/09
REVISION	

DWG. NO.

ER1

SEDCO_MfdHome_Earthquake

33320 MISSION TRAIL,
WILDOMAR, CA 92595
951.674.4011
INFO@SEDCOPIER.COM

MANUFACTURED HOUSING SUPPORT PRODUCTS SPI Sedco Pier Inc