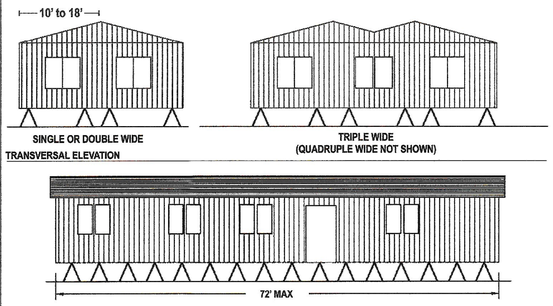
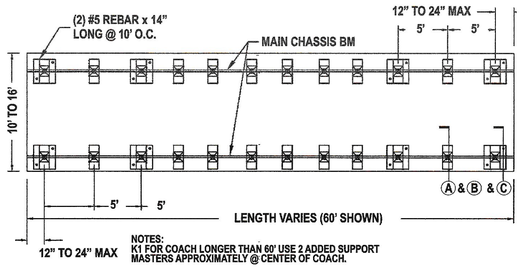
OCT 29 2026

SUPPORT MASTER ENGINEERED TIE DOWN SYSTEM

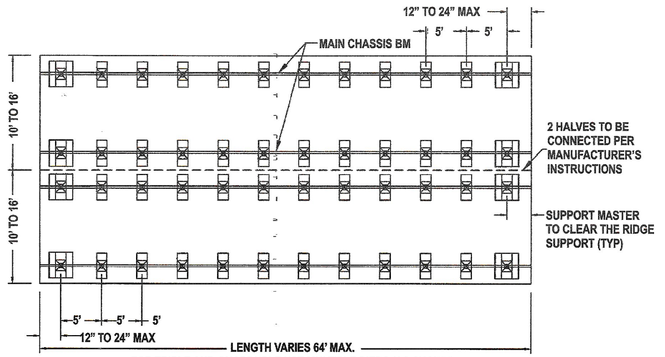
IN COMPLIANCE WITH 2025 CBC & CALIFORNIA ADMINISTRATIVE CODE TITLE 25, CHAPTER 2 & 2.2.





NOTES:
K1 FOR COACH LONGER THAN 60' USE 2 ADDED SUPPORT MASTERS APPROXIMATELY @ CENTER OF COACH.

K2 TYPICAL SINGLE WIDE LAYOUT

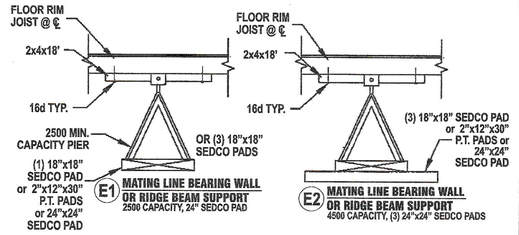


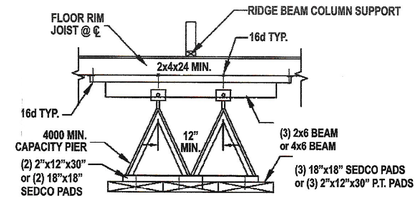
FOR TRIPLE AND QUADRUPLE USE MULTIPLE PIERS (AS SHOWN)

NOTES:
K2 FOR COACH LONGER THAN 64' SIDE USE TOTAL OF 10 SUPPORT MASTERS WITH THE 2 ADDED JACK APPROXIMATELY AT CENTER OF COACH ONE ON EACH OUTSIDE CHASSIS.

K TYPICAL DOUBLE WIDE LAYOUT

NO SOIL NAILING IS REQUIRED FOR DOUBLE WIDE AND LARGER





E RIDGE BEAM SUPPORT
7200 CAPACITY SEDCO PADS

FOR PLACEMENT IN FLOOD HAZZARD AREAS

WHEN PERIMETER SKIRTING IS INSTALLED, PLACE THE UNDERFLOOR VENTS SO THE BOTTOM OF THE VENT IS MAX 12" ABOVE THE UNDERFLOOR GROUND SURFACE

SINGLE WIDES	
MFG'D HOME SIZE	No. OF TIE DOWNS EACH SIDE
12' x 56'	3
12' x 57'/70'	4
14' x 74'	4
16' x 74'	4

EVENLY SPACED 6' 6'

MULTI - WIDES	
MFG'D HOME SIZE	No. OF TIE DOWNS EACH SIDE
20' x 50'	3
20' x 51' / 60'	4
24' x 50'	3
24' x 51' / 66'	5
28' x 60'	5
28' x 61' / 74'	6
40' x 60'	7
40' x 61' / 66'	8
40' x 67' / 74'	9

EVENLY SPACED 4' 4'

N
N

FOR INSTALLATIONS IN FLOOD HAZZARD ZONES A, AE &AH

INSTALL MIN 3150 LB. TIE DOWN STRAPS AND MIN 48" EARTH AUGERS

Minute Man Products: Tie Strap MM32
Earth Auger MMA-650
Listed/labeled: Minute Man Products ETS 119
Tri State Testings Service, Inc
Listing No. AT IS 01

E TYPICAL POST TO PIER AT MARRIAGE LINE

SEE MANUFACTURER'S INSTALLATION FOR LOCATIONS AND LOADS. (THIS DETAIL IS A SUGGESTION, PLEASE SEE MANUF. INSTALLATION FOR EXACT LOCATION & TYPICAL DETAIL)

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 MFG'D HOME 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.

4A. ONE END OF THE HOME MAY HAVE SUPPORT MASTERS AS HIGH AS 34" BUT THIS IS APPLICABLE ONLY IF OTHERS ARE 24" HIGH MAX. SUPPORT MASTERS PIERS OVER 24" SHALL HAVE DOUBLE STIFFENER PER DETAIL B.

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

6. PIERS SHALL BE LISTED WITH HCD AND HAVE 4000# RATING.

7. PIERS SHALL BE LOCATED IN ACCORDANCE WITH MOBILE HOME MANUFACTURER'S SPECIFICATIONS. BUT NO MORE THAN FIVE FEET MAX.

8. DESIGN ASSUMES 14" WIDE COACH AS FOLLOWS PER 2022 CRC

FLOOR LIVE LOAD:	40 PSF
ROOF LIVE LOAD:	20 PSF
SNOW:	80 PSF
EARTHQUAKE:	SEISMIC DESIGN CATEGORY "E": 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

* IF SITE CRITERIA DIFFERS FROM ABOVE THE ENGINEER HAS TO BE NOTIFIED AND PLAN NEEDS TO BE ALTERED BY ENGINEER OF RECORD TO MEET NEW CRITERIA.

9. PLANS SHALL BE CONSIDERED AS ONE COMPLETE SYSTEM.

10. VENTILATION FOR UNDER FLOOR AREA SHALL BE ONE SQUARE FOOT FOR EACH 25 LINEAR FEET OR PERIMETER. LOCATE OPENINGS CLOSE TO CORNERS WHERE POSSIBLE TO PROVIDE CROSS VENTILATION. THE REQUIRED AREA OF OPENINGS SHALL BE APPROXIMATELY EQUALLY DISTRIBUTED ALONG THE LENGTH OF AT LEAST TWO OPPOSITE SIDES, OPENINGS SHALL BE PROTECTED WITH 1/4" CORROSION RESISTANT WIRE MESH.

11. WATER SHALL BE PREVENTED FROM ENTERING THE UNDER FLOOR AREA BY SLOPING FINISHED GRADE AWAY FROM MOBILE HOME TO DRAINAGE SWALE AND/OR AS REQUIRED BY LOCAL CONDITIONS AND LOCAL GRADING REQUIREMENTS. THE PERIMETER SKIRTING WALL BY OTHERS SHALL BE DESIGNED BY OTHERS SUCH THAT IT WILL PREVENT THE INTRUSION OF WATER INTO THE UNDER FLOOR AREA.

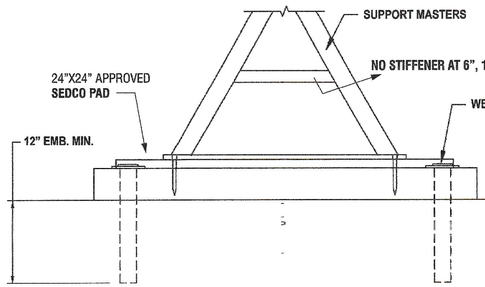
12. PADS TO BE 24"X24" SEDCO PAD OR 16"X24"X3/4 P.T. WITH 2-2"X12' P.T. PADS

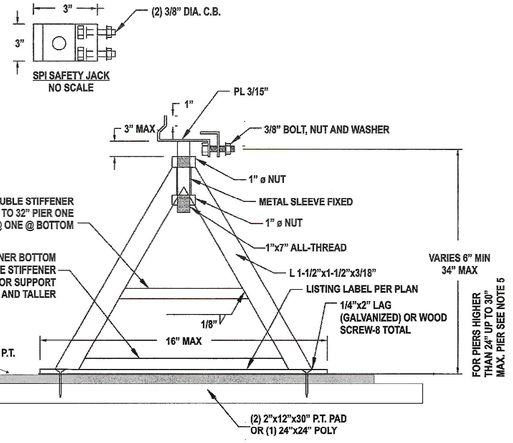
13. WHERE POST OCCURS USE 4000 MIN. RATED PIER WITH THREE 2"x12"x2'6" PADS SEE MANUFACTURER'S INSTRUCTIONS OR SEDCO PADS

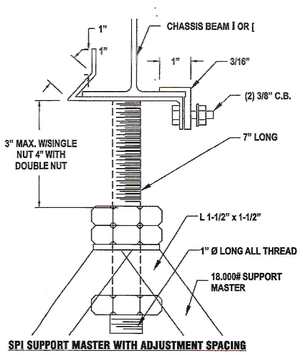
14. ALL PIERS TO BE SCREWED PER PROVIDED DETAIL AND HAVE SPI LOCKING JACK CONNECTED TO THE CHASSIS BEAM (NO SUBSTITUTE IS ACCEPTABLE).

15. A MIN. 16" CLEARANCE SHALL BE MAINTAINED BENEATH FLOOR JOIST & 8" MIN. BELOW MAIN CHASSIS BEAM.

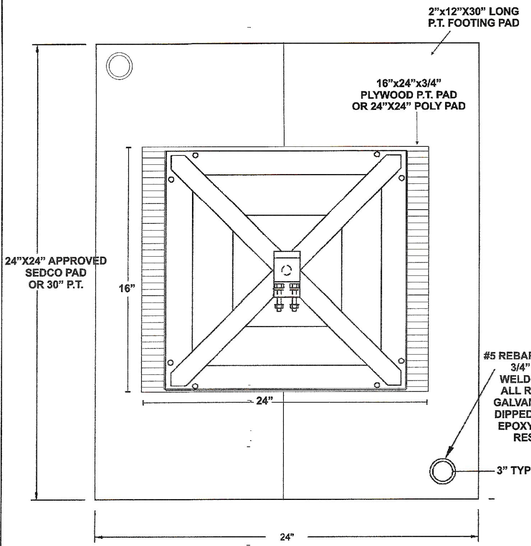
16. ALL REBAR TO BE PRIMED WITH RUST RESISTANT PAINT (HOT DIPPED IN TAR BASE EPOXY PAINT RUST RESISTANT).





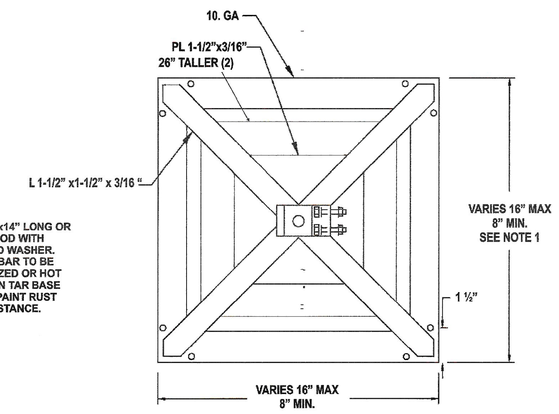


SPI SUPPORT MASTER WITH ADJUSTMENT SPACING



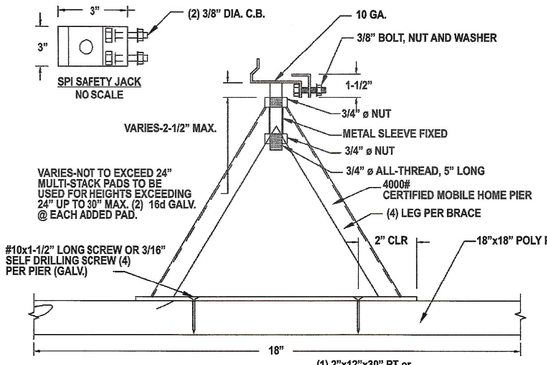
C SUPPORT MASTER & SPI SAFETY JACK

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"



(1) 2"x12"x30" PT or
(1) 18"x18" SEDCO PAD
(1) 24"x24" SEDCO PAD

A PIER & JACK BRACE

NO SCALE

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 # 1033-4

REGISTERED PROFESSIONAL ENGINEER
MARK K. CHANEY
No. 17918
Exp. 6/30/27
CIVIL
STATE OF CALIFORNIA
10-27-26

ENGINEERED TIEDOWN SYSTEM APPROVED
Approved does not authorize or approve any omission or deviation from requirements of applicable State laws and regulations.
State of California
Department of Housing and Community Development
DIVISION OF CODES AND STANDARDS
By (Signature) Date 11/2/26
SPA NO. ETS 133
This Plan Approval Expires 11/5/28

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

SUPPORT MASTER ENGINEERED TIE DOWN SYSTEM

© COPYRIGHT HFE 2009
THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION UNDER SECTION 102 OF THE COPYRIGHT ACT OF 1990. THE PROTECTION INCLUDES BUT IS NOT LIMITED TO THE OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION OF THE SPACES AND ELEMENTS OF THE DESIGN. UNAUTHORIZED USE OF THESE PLANS CAN LEGALLY RESULT IN THE CESSATION OF CONSTRUCTION OF THE PROJECT BEING SEIZED AND/OR MONETARY COMPENSATION TO SEDCO PIERS INC.

PROJ. NO.	
DRAWN	CLD
DATE	01/06/2020
REVISION	10-8-12 6-10-14 10-12-16

DWG. NO.

TD1

SEDCO_MfdHome_ETS

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

MANUFACTURED HOUSING SPI SUPPORT PRODUCTS Sedco Pier Inc.

OCT 29 2026