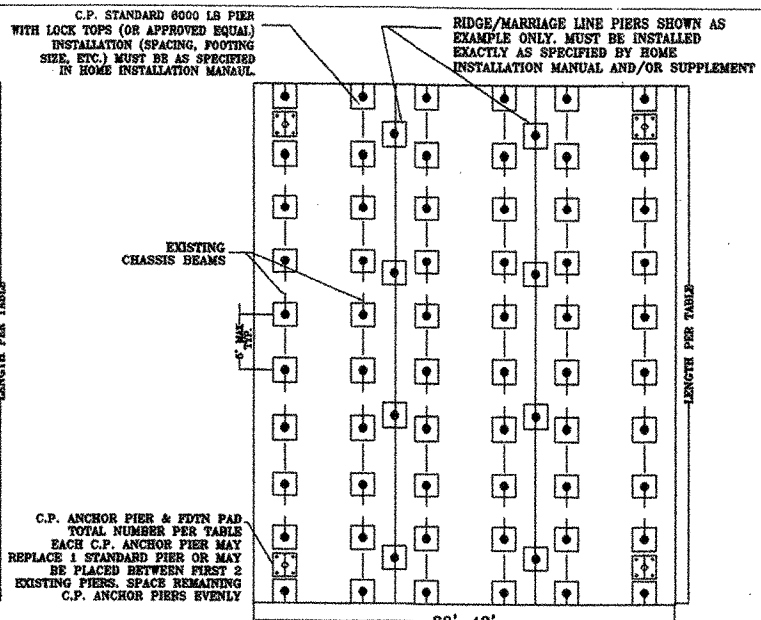


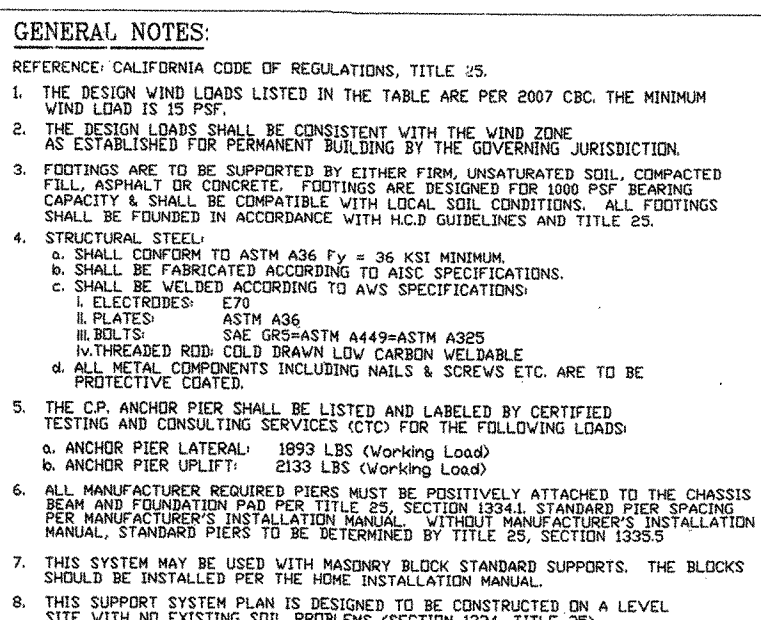
PLAN

SINGLE WIDE MOBILE HOMES  
NOT TO SCALE



PLAN

DOUBLE WIDE MOBILE HOMES  
NOT TO SCALE



PLAN

TRIPLE WIDE MOBILE HOMES  
NOT TO SCALE

MAX ROOF PITCH	WIDTH	LENGTH	WIND LOAD(MPH,EXP)			
			15 PSF or 85B	85C	100B	100C
3:12	10'-12.5'	UP TO 56'	4	6	8	12
		55.5'-64'	6	8	10	14
		64.5'-78'	8	8	12	18
	13'-16'	UP TO 49'	4	6	8	12
		49.5'-62'	6	8	10	16
		62.5'-78'	8	10	14	20
4:12	10-12.5'	UP TO 49'	4	6	10	12
		49.5'-64'	6	10	12	16
		64.5'-78'	8	10	14	20
	13'-16'	UP TO 50'	4	8	10	14
		50.5'-63'	6	10	12	18
		63.5'-78'	8	12	16	22

FIND MAX ROOF PITCH THEN HOME SIZE. FOLLOW ACROSS TO DESIGN WIND LOAD. READ TOTAL NUMBER OF C.P. ANCHOR PIERS REQUIRED. REFER TO DRAWING FOR PLACEMENT OF PIERS. IF EXACT DIMENSION OF HOME IS NOT LISTED, USE NEXT LARGER SIZE.

MAX ROOF PITCH	HOME SIZE	WIND LOAD(MPH,EXP)				
		15 PSF or 85B	85C	100B	100C	
DOUBLE WIDES	4:12	20'-21'	4	4	4	8
		60.5'-78'	4	6	6	10
		UP TO 60'	4	4	6	8
	21.5'-30'	60.5'-78'	6	6	8	10
		UP TO 62'	4	6	6	8
		62.5'-78'	6	6	8	12
TRIPLE WIDES	4:12	30'-32'	4	4	4	6
		60.5'-78'	6	6	6	8
		UP TO 60'	4	4	6	8
	32.5'-48'	60.5'-78'	6	6	8	10
		UP TO 60'	4	4	6	8
		60.5'-78'	6	6	8	10

FIND HOME SIZE IN TABLE. FOLLOW ACROSS TO DESIGN LOAD. READ TOTAL NUMBER OF C.P. ANCHOR PIERS REQUIRED. REFER TO DRAWING FOR PLACEMENT OF PIERS. IF EXACT DIMENSION OF HOME IS NOT LISTED, USE NEXT LARGER SIZE.

GENERAL NOTES:

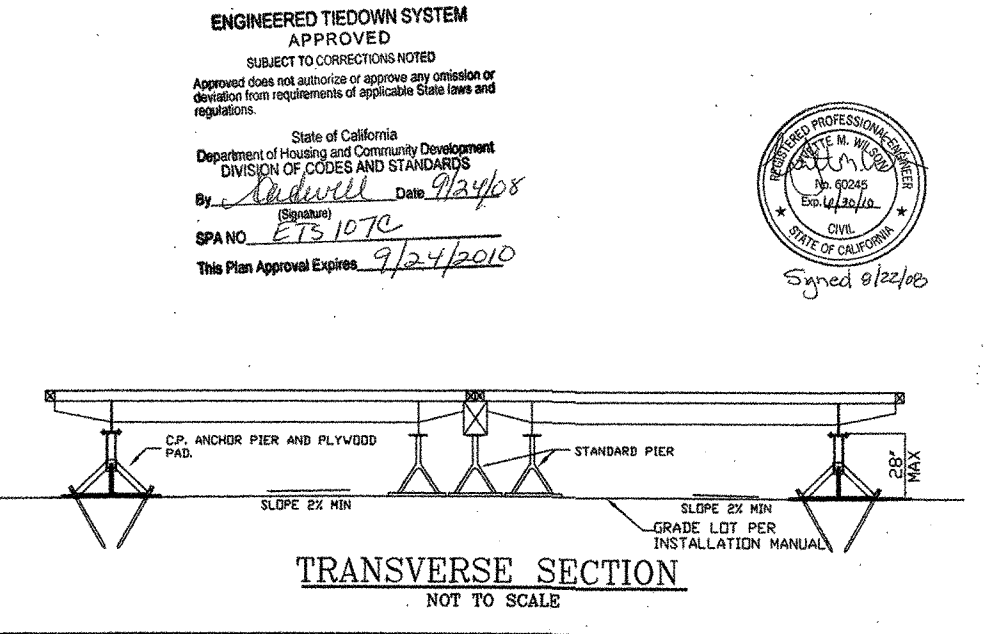
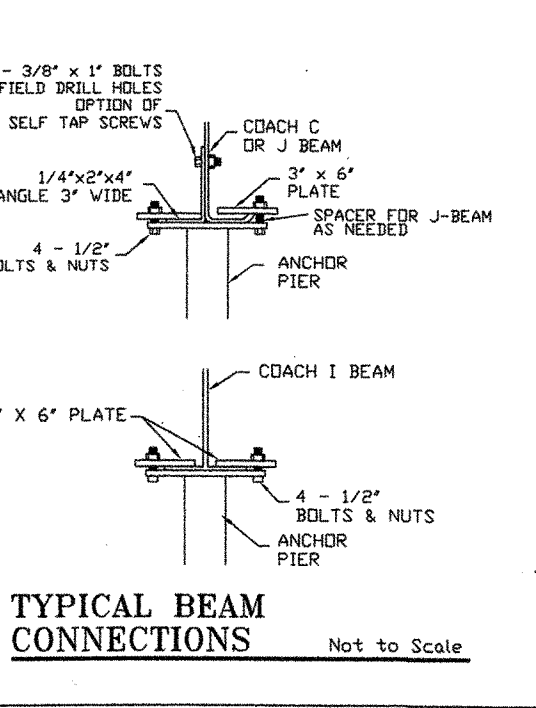
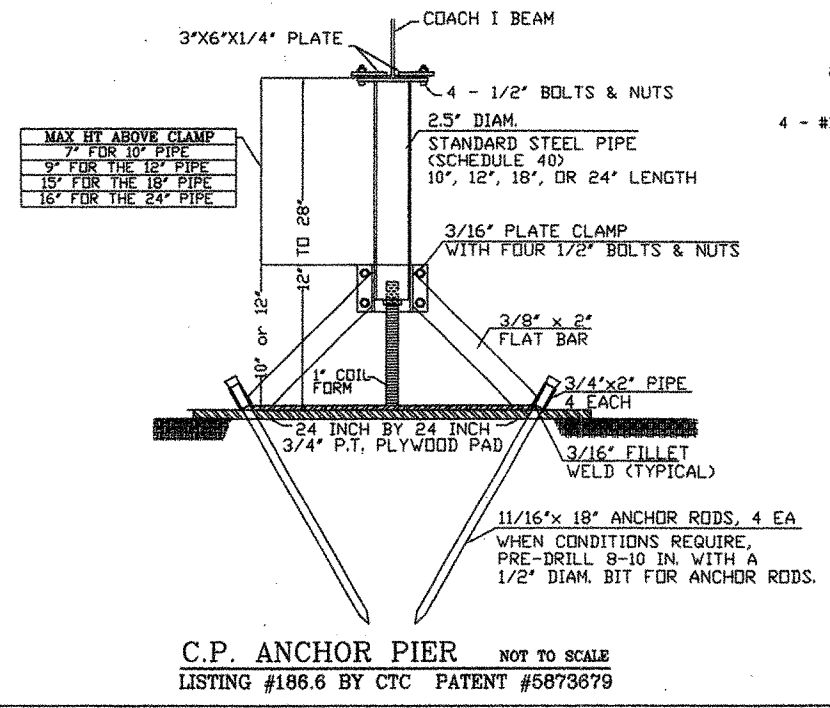
- REFERENCE: CALIFORNIA CODE OF REGULATIONS, TITLE 25.
- THE DESIGN WIND LOADS LISTED IN THE TABLE ARE PER 2007 CBC. THE MINIMUM WIND LOAD IS 15 PSF.
  - THE DESIGN LOADS SHALL BE CONSISTENT WITH THE WIND ZONE AS ESTABLISHED FOR PERMANENT BUILDING BY THE GOVERNING JURISDICTION.
  - FOOTINGS ARE TO BE 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 FOUNDED IN ACCORDANCE WITH H.C.D GUIDELINES AND TITLE 25.
  - STRUCTURAL STEEL:
    - SHALL CONFORM TO ASTM A36  $F_y = 36$  KSI MINIMUM.
    - SHALL BE FABRICATED ACCORDING TO AISC SPECIFICATIONS.
    - SHALL BE WELDED ACCORDING TO AWS SPECIFICATIONS:
      - ELECTRODES: E70
      - PLATES: ASTM A36
      - BOLTS: SAE GR5=ASTM A449=ASTM A325
      - THREADED ROD: COLD DRAWN LOW CARBON WELDABLE
    - ALL METAL COMPONENTS INCLUDING NAILS & SCREWS ETC. ARE TO BE PROTECTIVE COATED.
  - THE C.P. ANCHOR PIER SHALL BE LISTED AND LABELED BY CERTIFIED TESTING AND CONSULTING SERVICES (CTC) FOR THE FOLLOWING LOADS:
    - ANCHOR PIER LATERAL: 1893 LBS (Working Load)
    - ANCHOR PIER UPLIFT: 2133 LBS (Working Load)
  - ALL MANUFACTURER REQUIRED PIERS MUST BE POSITIVELY ATTACHED TO THE CHASSIS BEAM AND FOUNDATION PAD PER TITLE 25, SECTION 1334.1. STANDARD PIER SPACING PER MANUFACTURER'S INSTALLATION MANUAL. WITHOUT MANUFACTURER'S INSTALLATION MANUAL, STANDARD PIERS TO BE DETERMINED BY TITLE 25, SECTION 1335.5
  - THIS SYSTEM MAY BE USED WITH MASONRY BLOCK STANDARD SUPPORTS. THE BLOCKS SHOULD BE INSTALLED PER THE HOME INSTALLATION MANUAL.
  - THIS SUPPORT SYSTEM PLAN IS DESIGNED TO BE CONSTRUCTED ON A LEVEL SITE WITH NO EXISTING SOIL PROBLEMS (SECTION 1334, TITLE 25)
  - THE ANCHOR PIER SHALL NOT BE INSTALLED IN NON-COHESIVE SOIL. (CLASS 4 SP, SW, GP, GW)

HOME SIZE NOTES:

- NUMBER OF ANCHOR PIERS TO BE DETERMINED BY TABLE BY HOME SIZE.
- UNLESS APPROVED BY ROCK SOLID ENGINEERING, INC., THE ROOF PITCH SHOULD NOT EXCEED THAT LISTED IN THE TABLE.
- FOR ANY HOME SIZE OTHER THAN LISTED IN THE TABLE, THE ANCHOR AND PAD LAYOUT SHALL BE REVIEWED AND APPROVED BY ROCK SOLID ENGINEERING, INC.

INSPECTION REQUIREMENTS:

- 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.
- ALL DIMENSIONS INCLUDED ON THIS PLAN, INCLUDING COACH 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.
- THE BUILDING PAD SHOULD BE INSPECTED TO ENSURE THAT PROPER PAD PREPARATION AND DRAINAGE PATTERNS HAVE BEEN ESTABLISHED IN ACCORDANCE WITH TITLE 25 & HOME INSTALLATION MANUAL.



REVISIONS BY

FOR: CENTRAL PIERS, INC.  
284 N. THORNE AVE.  
FRESNO, CA. 93706  
1 800 653 0387

C.P. ANCHOR PIER-ENGINEERED TIEDOWN SYSTEM (ETS-107C)

DATE: 08-21-08  
SCALE: AS SHOWN  
DRAWN: YMW  
JOB #: W03002  
SHEET: 1  
OF 1 SHEETS

Rock Solid Engineering, Inc.  
Civil & Geotechnical Consultants  
Foundation Engineering • Site Assessments • Manufactured Home Foundations • Expert Witness

State of California  
Department of Housing and Community Development  
DIVISION OF CODES AND STANDARDS  
By: [Signature] Date: 9/24/08  
SPA NO: ETS107C  
This Plan Approval Expires: 9/24/2010

REGISTERED PROFESSIONAL ENGINEER  
KATIE M. WILSON  
No. 60245  
Exp. 12/31/10  
CIVIL  
STATE OF CALIFORNIA  
Signed 9/22/08