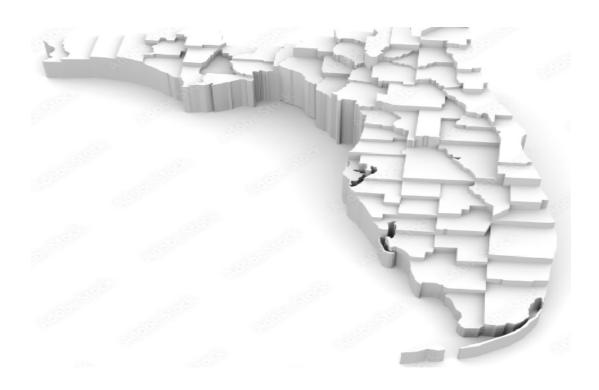


Manufactured Housing Section



State of Florida
Approved Products List
For The Installation of HUD
Mobile/Manufactured Homes

INTRODUCTION

Florida Statutes require that mobile/manufactured homes are installed safely and will meet wind loads

as determined by Section 3280.306 of Code of Federal Regulations (CFR), Part 3280, Manufactured

Housing Construction and Safety Standards established by the U.S. Department of Housing and Urban

Development.

Section 320.8251, Florida Statutes. requires that: "Each person or entity that engages in the

manufacture of mobile home installation components, products, or systems must obtain a certification

from the department which affirms that such component, product, or system is approved for use in the

installation of mobile homes in this state." The "department" refers to the Department of Highway

Safety and Motor Vehicles. The Manufactured Housing Section of the Bureau of Motor Vehicle Field

Operations is a unit of this department responsible for certifying mobile/manufactured home

components, products, and systems for use in Florida.

This document is the official list of mobile/manufactured home installation components, products

and systems that have been certified for use in Florida.

If you have any questions, you may contact me at (352) 512-6809

Tom Houseworth

Field Services Manager

1

References:

Section 320.8249, F.S.: Provides for the licensing and regulation of mobile/manufactured home

installers.

Section 320.8251, F.S.: Provides for the certification of mobile/manufactured home installation

components, products, and systems.

Section 320.8325, F.S.: Provides for the department to adopt rules setting forth uniform

standards for the installation of mobile/manufactured homes.

Rule Chapter 15C-1, F.A.C.: Provides the uniform mobile/manufactured home installation standards

for Florida.

Note: Installer is responsible for determining soil bearing capacity.

BYRD FOOTER SYSTEMS, INC.

624 U.S. Highway 17, South San Mateo, Florida 32187 Phone# 386-328-1020 Email:Byrds_05@live.com

| MODEL# | IDENTIFICATION | DESCRIPTION |
|--------------------|---------------------------------|----------------------------------|
| Byrd Footer System | 3,000 lb. w/Fiber Mesh Concrete | Lateral/Longitudinal Stabilizing |
| | Footer | System |

HOME PRIDE, INC. P.O. Box 160387 Nashville, Tennessee 37216-0387 Phone# 615-650-3825

Email: jwilson@hpanchors.com

| MODEL# | IDENTIFICATION | DESCRIPTION | Soil Class | Working | Ultimate |
|------------|-----------------------|----------------------------------|------------|---------|----------|
| | | | | Load | Load |
| HP-4 | Galvanized Auger | 5/8" x48" steel rod, double bolt | 4a | 3,150 | 4,725 |
| | Anchor | head, single 6" disc – 0.175" | | | |
| | | thickness, 7 gauge | | | |
| HP-5 | Galvanized Auger | ¾" x 48" steel rod, double bolt | 4a | 3,150 | 4,725 |
| | Anchor | head, single 6" disc – 0.167", | | | |
| | | 7 gauge | | | |
| HP-8 | Galvanized Auger | ¾" x 60" steel rod, double bolt | 4b | 4,000 | 6,000 |
| | Anchor | head, single 8" disc – 0.169", | | | |
| | | 7 gauge | | | |
| 59285 | Galvanized Stabilizer | 17 ½" wide, 7" side depth, 13 | 4b | 3,150 | 4,725 |
| | Plate | ¾" center depth, .105" | | | |
| | | thickness and 90° top bend | | | |
| Home Pride | Strapping | 1 ¼" x 0.0375" galvanized flat | N/A | 3,150 | 4,725 |
| | | strapping, ASTM D3953-91 | | | |
| HP | Galvanized Split Bolt | 5/8" x 3" x 5/8" square shoulder | N/A | 3,150 | 4,725 |
| | | w/hex head standard thread, | | | |
| | | shaft saw cut | | | |

HOME PRIDE, INC., continued... P.O. Box 160387 Nashville, Tennessee 37216-0387

| MODEL# | IDENTIFICATION | DESCRIPTION | Soil Class | Working Load | Ultimate Load |
|------------|------------------------|---|------------|-----------------|------------------|
| Home Pride | Crimping Seal | 17/16" x 2 ¼" zinc plated | N/A | 3,150 | 4,725 |
| 59002 TD | Swivel Strap | 2.600" x 4.875" x 10 gauge | N/A | 3,150 | 4,725 |
| | Connector | with 1 $\frac{1}{4}$ " x .035" galvanized | | | |
| | | steel strap | | | |
| 59003 TD | Beam Connector for | 2.5" x 7.300" x 10 gauge used | N/A | 3,150 | 4,725 |
| | 3" I-beam | with 59002 and grade 5 bolt | | | |
| | | and nut | | | |
| 59009 | Longitudinal Beam | 1 ½" x 6 ½" x ¼" used as a pair | N/A | 3,150 | 4,725 |
| | Connector | with 59002 | | | |
| 59011 | Longitudinal Beam | 6" x 6 ¾" x 7 gauge frame | N/A | 3,150 | 4,725 |
| | Clamp | clamp with 8 – grade 5 bolts | | | |
| | | and nuts | | | |
| HP62 | Adjustable Perimeter | Door and window support | N/A | N/A | N/A |
| | Support Min 16 X 16 | | | | |
| HP12LS | Tension Head W/Lag | Concrete anchor | N/A | N/A | N/A |
| | Bolt | | | | |
| HP13 | Patio L Anchor Bolt | Concrete anchor | or N/A | | N/A |
| HP LDS | Lateral / Longitudinal | Anchor with 10" diameter top | N/A | N/A | N/A |
| | Whole House System | plate stabilizer plate with U | | | |
| | | bolt I-beam connectors lateral | | | |
| | | and longitudinal struts | | | |

MINUTE MAN ANCHORS

305 West King Street East Flat Rock, North Carolina 28726 Phone # 828-692-0256 951-387-1927

Email: cayllon@minutemanproducts.com

| MODEL# | IDENTIFICATION | DESCRIPTION | Soil Class | Working Load | Ultimate Load |
|-----------|-----------------------|-------------------------------|------------|-----------------|------------------|
| MMA 2 | Galvanized Auger | 5/8" x 48" rod, double bold | 4a | 3,150 | 4,725 |
| | Anchor | head with a single 6" disc | | 3,233 | .,,, = 5 |
| MMA 4 | Galvanized Auger | 34" x 48" rod, double bolt | 4a | 3,150 | 4,725 |
| IVIIVIA 4 | | · | 44 | 3,130 | 4,723 |
| | Anchor | head with a single 6" disc | | | |
| MMA 75 | Galvanized Auger | ¾" x 60" rod, double bolt | 4b | 4,000 | 6,000 |
| | Anchor | head with a single 7" disc | | | |
| MMA 86 | Galvanized Auger | ¾" x 60" rod, double bolt | 4b | 4,000 | 6,000 |
| | Anchor | head with a single 8" disc | | | |
| MMA 14 | Galvanized Concrete | 5/8" x 10" rod with a 3" turn | Concrete | 3,150 | 4,725 |
| | Anchor | on the end. Use with | | | |
| | | concrete slab (wet) | | | |
| MMA 42 | Galvanized Concrete | Swivel head. Use with | Concrete | 3,150 | 4,725 |
| | Anchor | concrete slab (wet) | | | |
| MMA 18 | Galvanized Tension | Double head tension device | N/A | 3,150 | 4,725 |
| | Device | w/bolt hole in bottom of | | | |
| | | yoke for use with expansion | | | |
| | | bolt in concrete slab (dry) | | | |
| MMA 22 | Galvanized Tension | Double head tension device | N/A | 3,150 | 4,725 |
| | Device | adapter | | | |
| MMA SD2 | Galvanized Stabilizer | 18" wide x 13.5" center x 7 | N/A | 3,150 | 4,725 |
| | Plate | ½" on the sides | | | |
| MMA | Strapping – ANSI | 1 ¼" x .035" galvanized steel | N/A | 3,150 | 4,725 |
| | A225.1 & ASTM 3953- | strapping, .60 zinc coating | | | |
| | 91 | each side | | | |
| MMA-S | Strap (crimp) seal | 1 ¼" wide x 2 1/8" long | N/A | 3,150 | 4,725 |

MINUTE MAN ANCHORS, continued... 305 West King Street East Flat Rock, North Carolina 28726

| MODEL# | IDENTIFICATION | DESCRIPTION | Soil Class | Working Load | Ultimate Load |
|--------|----------------------|--------------------------------|------------|-----------------|------------------|
| MMA | Square shoulder bolt | 3 ¾" x 5/8" knurled split bolt | N/A | 3,150 | 4,725 |
| MDP-16 | Pier | 12" to 16" with 4" | N/A | N/A | N/A |
| | | adjustment height – head | | | |
| | | locks to I-beam | | | |
| MDP-20 | Pier | 12" to 20" with 4" | N/A | N/A | N/A |
| | | adjustment height – head | | | |
| | | locks to I-beam | | | |
| MDP-24 | Pier | 20" to 24" with 4" | N/A | N/A | N/A |
| | | adjustment height – head | | | |
| | | locks to I-beam | | | |
| MDP-28 | Pier | 24" to 28" with 4"adjustment | N/A | N/A | N/A |
| | | height – head locks to I-beam | | | |
| MDP-32 | Pier | 28" to 32" with 4" | N/A | N/A | N/A |
| | | adjustment height – head | | | |
| | | locks to I-beam | | | |
| MMA-31 | Longitudinal Beam | Zinc coated longitudinal | N/A | 3,183 | 4,225 |
| | Clamp | beam clamp 6" x 6 ¾" x 7 | | | |
| | | gauge w/8 ½" x ½" grade 5 | | | |
| | | bolts/washers | | | |
| MMA-33 | Locking Frame Clamp | 2" X 7 ¾" X 7 gauge and 2" x | N/A | 3,150 | 4,225 |
| | II | 5 1/8" x 7 gauge assembled | | | |
| | | lock frame clamp II with | | | |
| | | Florida Strap | | | |
| MMSPP | Longitudinal | 20" x 20" x 1" Galvanized | ALL | N/A | 26,400 |
| | Stabilizing System | steel base pad | | | |
| MMLBC | Beam Clip with above | 3 ¾" x 6" x 7 gauge | N/A | N/A | N/A |
| | system | | | | |

MINUTE MAN ANCHORS, continued... 305 West King Street East Flat Rock, North Carolina 28726

| MODEL# | IDENTIFICATION | DESCRIPTION | Soil Class | Working Load | Ultimate Load |
|----------|---------------------|-------------------------------|------------|-----------------|------------------|
| MMLBT | Brace with above | 1 ½" Brace tube length varies | N/A | N/A | N/A |
| | system | by pier height | | | |
| MMA-71 | Corner Tie | 2" x 3" x 7 gauge corner tie | N/A | 3,150 | 4,224 |
| | | with radius clip and Florida | | | |
| | | strapping | | | |
| MMA-98 | Galvanized Auger | ¾" rod x 48" w/dual 6" disc, | 4b | 3,150 | 4,725 |
| | Anchor w/Stabilizer | anchor has attached | | | |
| | | stabilizer head and plate | | | |
| MMA-99 | Galvanized Auger | ¾" rod x 60" w/dual 8" disc, | 4b | 4,000 | 6,000 |
| | Anchor w/Stabilizer | anchor has attached | | | |
| | | stabilizer head and plate | | | |
| EZASTS | Adjustable Support | Galvanized square tubes and | ALL | N/A | 27,600 |
| | Tube System | beam clip | | | |
| MMA-SD3 | Steel Pier Pad | 2.75 sq. ft. / 11 gauge | N/A | N/A | N/A |
| | | galvanized pad steel beam | | | |
| | | clips | | | |
| MMA-CAF | Concrete Anchor | Galvanized flange for | N/A | N/A | N/A |
| | Flange (dry) | mounting longitudinal & | | | |
| | | lateral braces to freshly | | | |
| | | poured concrete slab | | | |
| MMA-CFW | Concrete Anchor | Galvanized flange for | N/A | N/A | N/A |
| | Flange (wet) | mounting longitudinal & | | | |
| | | lateral braces to freshly | | | |
| | | poured concrete | | | |
| MMA-LLBS | Kit | Lateral Hardware and | N/A | N/A | N/A |
| | | Longitudinal Struts | | | |

MOBILE HOME SAFETY PRODUCTS dba Oliver Technologies, Inc. P.O. Box 9 Hohenwald, Tennessee 38462-0009 Phone # 1800-284-7437 *122 Bvalente@olivertechnologies.com

| MODEL# | IDENTIFICATION | DESCRIPTION |
|---------|-----------------------------|--|
| OT486A | Galvanized Auger Anchor | 5/8" x 48" rod, double bolt head |
| | | with a single 6" disc |
| OT486B | Galvanized Auger Anchor | ¾" x 48" rod, double bolt head |
| | | with a single 6" disc |
| ОТ607В | Galvanized Auger Anchor | ¾" x 60" rod, double bolt head |
| | | with a single 7.5" disc |
| OTCADG | Galvanized Dry Set Concrete | Double bolt anchor head |
| | Anchor | w/5/8" x 3" expansion bolt |
| OTCAWG5 | Galvanized L-Hook Concrete | 7" x .646" rod, double bolt head |
| | Anchor | with a L-hook |
| OTMSP-1 | Galvanized Metal Stabilizer | 18" wide x 13 ½" depth |
| | Plate | |
| OTMSPIG | Galvanized Metal Stabilizer | 18" wide x 13 ½" depth x 7 ½" side – 12 gauge. |
| | Plate | |
| 1055-19 | Plastic Stabilizer Plate | .742" (thickness at top) x 9.95" (width) |
| | | x 24" (length) |
| 2410 | Plastic Wedge (OTI) (ABS) | 3.5" x 6.0" x 0.946" |
| 1055-11 | Adjustable Outrigger | Bracket, pipe and screw adjustment |
| OT2001 | Swivel Frame Clamp | 3/16" x 2" galvanized upper and lower jaws for |
| | | clamping the I-beam |
| OTSFT | Swivel Frame Clamp | A-36 Galvanized |
| OT2002 | Sidewall Strap Connector | G-40 galvanized 7 gauge connector to hook |
| | | sidewall brackets |

MOBILE HOME SAFETY PRODUCTS, continued... dba Oliver Technologies, Inc. P.O. Box 9 Hohenwald, Tennessee 38462

| MODEL# | IDENTIFICATION | DESCRIPTION |
|-------------|-----------------------------|---|
| O.T.I | Crimp Seal | Galvanized crimp seal 1.39" x 2.18" |
| ОТ | Strapping | 1 1/4" x 0.0399" galvanized strapping .60oz per sq ft |
| ОТ | Galvanized split bolt | 5/8" x 3" x 5/8" sq. shoulder with hexagon head, |
| | | standard national thread, shaft saw cut |
| OTQC | Sidewall Quick Strap | A-36/Galvanized .1793" thick sq. hole in clip head |
| | Connector | |
| 1101 V | All Steel Foundation System | Longitudinal Stabilizing & Lateral Bracing System |
| 1101CVW | Wet Bracket | Concrete Full System |
| 1101 CVD | Dry Set Bracket | Concrete Full System |
| 1101-W-CPCA | Wet Set Bracket | Concrete Longitudinal System |
| 1101-D-CPCA | Dry Set Bracket | Concrete Longitudinal System |
| 1101-W-TACA | Wet Set Bracket | Concrete Transverse System |
| 1101-D-TACA | Dry Set Bracket | Concrete Transverse System |
| 1055-14 | Plastic Foundation Pad | 16" x 16" |
| 1055-10 | Plastic Foundation Pad | 16" x 16" |
| 1055-8 | Plastic Foundation Pad | 16" x 18" |
| 1055-23 | Plastic Foundation Pad | 16" x 18 ½" (rounded)(2 sq. ft.) |
| 1055-9 | Plastic Foundation Pad | 18 ½" x 18 ½" x 15/16" |
| 4148-4 | Plastic Foundation Pad | 13 ¼" x 26 ¼" x ¾" |
| 1055-16 | Plastic Foundation Pad | 17" x 22" x 1 1/8" |
| 1055-7 | Plastic Foundation Pad | 20" x 20" x 7/8" |
| 1055-21 | Plastic Foundation Pad | 17 ½" x 22 ½" |
| 1055-17 | Plastic Foundation Pad | 17 ½" x 25 ½" x 1 1/8" |
| 1055-13 | Plastic Foundation Pad | 24" x 24" |
| 1055-22 | Plastic Foundation Pad | 21.13" x 29.13" (rounded) |
| 1055-20 | Plastic Foundation Pad | 23 ¼" x 31 ¼" |
| 1055-26 | Plastic Foundation Pad | 24" x 24 |

MOBILE HOME SAFETY PRODUCTS continued... dba Oliver Technologies, Inc. P.O. Box 9 Hohenwald, Tennessee 38462

MAXIMUM PIER LOADS IN POUNDS BASED ON SOIL VALUES

| Configuration | Pad Area | 1,000 lb. | 1,500 lb. | 2,000 lb. | 2,500 lb. | 3,000 lb. | Remarks |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| | (sq. ft.) | soil | soil | soil | soil | soil | Max. |
| 16" x 16" | 1.77 | 1,770 | 2,650 | 3,450 | 4,420 | 5,310 | 5,310 |
| 16" x 16" | 1.78 | 1,780 | 2,660 | 3,560 | 4,430 | 5,340 | 5,320 |
| 16" x 18" | 2 | 2,000 | 3,000 | 4,000 | 5,000 | 6,000 | 6,000 |
| 16" x 18 ½" (rounded) | 2 | 2,000 | 3,000 | 4,000 | 5,000 | 6,000 | 6,000 |
| 18 ½" x 18 ½" x 15/16" | 2.36 | 2,360 | 3,550 | 4,730 | 5,910 | 7,090 | 7,090 |
| 18 ½" x 18 ½" x ¾" | 2.375 | 2,375 | 3,563 | 4,750 | 5,598 | 5,598 | 5,600 |
| 13 ¼" x 26 ¼" | 2.4 | 2.375 | 3,563 | 4,750 | 5,938 | 6,400 | 6,400 |
| 17" x 22" | 2.5 | 2,500 | 3,750 | 5,000 | 6,250 | 7,500 | 7,500 |
| 20" x 20" | 2.75 | 2,750 | 4,125 | 5,500 | 6,875 | 8,250 | 8,250 |
| 17 ½" x 22 ½" (rounded) | 3 | 3,000 | 4,500 | 6,000 | 7,500 | 9,000 | 9,000 |
| 17 ½" x 25 ½" | 3 | 3,000 | 4,500 | 6,000 | 7,500 | 9,000 | 9,000 |
| 24" x 24" | 4 | 4,000 | 6,000 | 8,000 | 8,000 | 8,000 | 8,000 |
| 21.13" x 29.13" (rounded) | 4 | 4,000 | 6,000 | 8,000 | 8,000 | 8,000 | 8,000 |
| 23 ¼" x 31 ¼" | 4.698 | 4,698 | 7,047 | 8,000 | 8,000 | 8,000 | 8,000 |

MOBILE HOME SAFETY PRODUCTS dba Oliver Technologies, Inc. P.O. Box 9 Hohenwald, Tennessee 38462

| Configuration | Pad Area | 1,000 lb. | 1,500 lb. | 2,000 lb. | 2,500 lb. | 3,000 lb. | Remarks |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| | (sq. ft.) | soil | soil | soil | soil | soil | Max. |
| 16" x 16" | 1.77 | 1,770 | 2,650 | 3,450 | 4,420 | 5,310 | 5,310 |
| 16" x 16" | 1.78 | 1,780 | 2,660 | 3,560 | 4,430 | 5,340 | 5,320 |
| 16" x 18" | 2 | 2,000 | 3,000 | 4,000 | 5,000 | 6,000 | 6,000 |
| 16" x 18 ½" (rounded) | 2 | 2,000 | 3,000 | 4,000 | 5,000 | 6,000 | 6,000 |
| 18 ½" x 18 ½" x 15/16" | 2.36 | 2,360 | 3,550 | 4,730 | 5,910 | 7,090 | 7,090 |
| 18 ½" x 18 ½" x ¾" | 2.375 | 2,375 | 3,563 | 4,750 | 5,598 | 5,598 | 5,600 |
| 13 ¼" x 26 ¼" | 2.4 | 2.375 | 3,563 | 4,750 | 5,938 | 6,400 | 6,400 |
| 17" x 22" | 2.5 | 2,500 | 3,750 | 5,000 | 6,250 | 7,500 | 7,500 |
| 20" x 20" | 2.75 | 2,750 | 4,125 | 5,500 | 6,875 | 8,250 | 8,250 |
| 17 ½" x 22 ½" (rounded) | 3 | 3,000 | 4,500 | 6,000 | 7,500 | 9,000 | 9,000 |
| 17 ½" x 25 ½" | 3 | 3,000 | 4,500 | 6,000 | 7,500 | 9,000 | 9,000 |
| 24" x 24" | 4 | 4,000 | 6,000 | 8,000 | 8,000 | 8,000 | 8,000 |
| 21.13" x 29.13" (rounded) | 4 | 4,000 | 6,000 | 8,000 | 8,000 | 8,000 | 8,000 |
| 23 ¼" x 31 ¼" | 4.698 | 4,698 | 7,047 | 8,000 | 8,000 | 8,000 | 8,000 |

PAD CONFIGURATIONS

| Pad Description (Pyramid Footer Configuration) | Pad Area (sq. ft.) | 1,000 lb. soil | 2,000 lb. soil | 3,000 lb. soil |
|---|-----------------------|-------------------|-------------------|-------------------|
| (2) 13 14" x 26 ¼" as a base and (1) 20" x 20" on top | 4.8 | 4,800 | 9,600 | N/A |
| Three (3) 17" x 22" | 5 | 5,000 | 10,000 | N/A |
| Three (3) 17 ½" x 25 ½" | 6 | 6,000 | 12,000 | N/A |

CAP BOARDS

| MODEL# | IDENTIFICATION | DESCRIPTION |
|--------|-------------------|---------------|
| OT1CB1 | Plastic Cap Board | 1" x 8" x 16" |
| OT1CB2 | Plastic Cap Board | 2" x 8" x 16" |

The cap boards were test on CMU pier (C90) with either a single or double stacked cap boards.

SEDCO PIER INC.

33320 Mission Trail Wildomar, CA 92595

Phone # 828-692-0256

951-387-1927

Email: cayllon@minutemanproducts.com

| MODEL | IDENTIFICATION | DESCRIPTION |
|--------|---------------------------------------|--------------------------------|
| BP2424 | Polypropylene Plastic & Fibrous Glass | 24.0" x 24.0" x 1.0" (Nominal) |

| Pad Configuration | Soil Bearing Value | Maximum Allowable Load |
|------------------------|----------------------|------------------------|
| 24" x 24" | 1000 lbs. / sq. foot | 2778 lbs. |
| Double Column Stacked* | 1500 lbs. / sq. foot | 4167 lbs. |
| | 2000 lbs. / sq. foot | 5556 lbs. |
| | 3000 lbs. / sq. foot | 8333 lbs. |

^{*}NOTE: 24" x 24" Base pads are approved for double column stacking only.

| MODEL | IDENTIFICATION | DESCRIPTION |
|--------|---------------------------------------|--------------------------------|
| BP2020 | Polypropylene Plastic & Fibrous Glass | 20.0" x 20.0" x 1.0" (Nominal) |

| Pad Configuration | Soil Bearing Value | Maximum Allowable Load |
|-----------------------|----------------------|------------------------|
| 20" x 20" | 1000 lbs. / sq. foot | 2778 lbs. |
| Single Column Stacked | 1500 lbs. / sq. foot | 4167 lbs. |
| | 2000 lbs. / sq. foot | 5556 lbs. |
| | 3000 lbs. / sq. foot | 8000 lbs. |

| Pad Configuration | Soil Bearing Value | Maximum Allowable Load |
|-----------------------|----------------------|------------------------|
| 20" x 20" | 1000 lbs. / sq. foot | 2778 lbs. |
| Double Column Stacked | 1500 lbs. / sq. foot | 4167 lbs. |
| | 2000 lbs. / sq. foot | 5556 lbs. |
| | 3000 lbs. / sq. foot | 8333 lbs. |

SEDCO PIER INC., continued... 33320 Mission Trail Wildomar, CA 92595

| MODEL | IDENTIFICATION | DESCRIPTION |
|---------|---------------------------------------|--------------------------------|
| BP 1723 | Polypropylene Plastic & Fibrous Glass | 17.0" x 23.0" x 1.0" (Nominal) |

| Pad Configuration | Soil Bearing Value | Maximum Allowable Load |
|-----------------------|----------------------|------------------------|
| 17" x 23" | 1000 lbs. / sq. foot | 2720 lbs. |
| Single Column Stacked | 1500 lbs. / sq. foot | 4080 lbs. |
| | 2000 lbs. / sq. foot | 5440 lbs. |
| | 3000 lbs. / sq. foot | 8000 lbs. |

| Pad Configuration | Soil Bearing Value | Maximum Allowable Load |
|-----------------------|----------------------|------------------------|
| 17" x 23" | 1000 lbs. / sq. foot | 2720 lbs. |
| Double Column Stacked | 1500 lbs. / sq. foot | 4080 lbs. |
| | 2000 lbs. / sq. foot | 5440 lbs. |
| | 3000 lbs. / sq. foot | 8146 lbs. |

| MODEL | IDENTIFICATION | DESCRIPTION |
|---------|---------------------------------------|--------------------------------|
| BP 1818 | Polypropylene Plastic & Fibrous Glass | 18.0" x 18.0" x 1.0" (Nominal) |

| Pad Configuration | Soil Bearing Value | Maximum Allowable Load |
|-----------------------|----------------------|------------------------|
| 18" x 18" | 1000 lbs. / sq. foot | 2377 lbs. |
| Single Column Stacked | 1500 lbs. / sq. foot | 3565 lbs. |
| | 2000 lbs. / sq. foot | 4753 lbs. |
| | 3000 lbs. / sq. foot | 7130 lbs. |

| Pad Configuration | Soil Bearing Value | Maximum Allowable Load |
|-----------------------|----------------------|------------------------|
| 18" x 18" | 1000 lbs. / sq. foot | 2377 lbs. |
| Double Column Stacked | 1500 lbs. / sq. foot | 3565 lbs. |
| | 2000 lbs. / sq. foot | 4753 lbs. |
| | 3000 lbs. / sq. foot | 7130 lbs. |

SEDCO PIER INC., continued... 33320 Mission Trail Wildomar, CA 92595

| MODEL | IDENTIFICATION | DESCRIPTION |
|---------|---------------------------------------|--------------------------------|
| BP 1616 | Polypropylene Plastic & Fibrous Glass | 16.0" x 16.0" x 1.0" (Nominal) |

| Pad Configuration | Soil Bearing Value | Maximum Allowable Load |
|-----------------------|----------------------|------------------------|
| 16" x 16" | 1000 lbs. / sq. foot | 1778 lbs. |
| Single Column Stacked | 1500 lbs. / sq. foot | 2667 lbs. |
| | 2000 lbs. / sq. foot | 3556 lbs. |
| | 3000 lbs. / sq. foot | 5333 lbs. |

| Pad Configuration | Soil Bearing Value | Maximum Allowable Load |
|-----------------------|----------------------|------------------------|
| 16" x 16" | 1000 lbs. / sq. foot | 1778 lbs. |
| Double Column Stacked | 1500 lbs. / sq. foot | 2667 lbs. |
| | 2000 lbs. / sq. foot | 3556 lbs. |
| | 3000 lbs. / sq. foot | 5333 lbs. |

TIE DOWN ENGINEERING

255 Villanova Drive SW Atlanta, Georgia 30336 Phone # 800-241-1806

Email: Support@tiedown.com

| MODEL# | IDENTIFICATION | DESCRIPTION | Soil Class | Working Load | Ultimate Load |
|-----------|---------------------------------------|---|------------|-----------------|------------------|
| M12H-5/8" | Galvanized Auger Anchor | 5/8" x 48" rod, double head with a single 6" disc | 4a | 3,150 | 4,725 |
| M12H-3/4" | Galvanized Auger Anchor | ¾" x 48" rod, double head with a single 6" disc | 4a | 3,150 | 4,725 |
| M607 | Galvanized Auger Anchor | ¾" x 60" rod, double head with a single 7" disc | 4b | 4,000 | 6,000 |
| M1T2 | Galvanized Patio Slab Anchor | 34" x 10" threaded rod with flat washer & nut, double head | Concrete | 3,150 | 4,725 |
| M1J2 | Galvanized Slab Anchor | 5/8" x 10" "J" rod anchor with double bolt head | Concrete | 3,150 | 4,725 |
| 2M58SA | Galvanized Slab Anchor Bolt | 5/8" x 3" expansion bolt with sleeve "TD" stamped in head | Concrete | 3,150 | 4,725 |
| M1CS2 | Galvanized Double Head Device (only) | Double head tension device with bolt hole in the bottom of the yoke | N/A | 3,150 | 4,725 |
| M1S2 | Galvanized Double Head Swivel Adapter | Double head tension device with swivel adapter | N/A | 3,150 | 4,725 |
| 59286 | Stabilizer Plate (G-120 Steel) | Galvanized steel 17 ½" (width) x 13 ¾" x 12 gauge (90°top bend) | 4b | 4,000 | 6,000 |
| 59293 | Stabilizer Plate (Plastic) | 8" x 24" x 1 3/8 " at top | | | |

| MODEL# | IDENTIFICATION | DESCRIPTION | Soil Class | Working Load | Ultimate Load |
|-----------|----------------------|---------------------------------|---------------|-----------------|------------------|
| Tie Down | ASTM Standard Spec. | 1-1/4" x .035" Galvanized steel | N/A | 3,150 | 4,725 |
| Strapping | D3953-97 | strapping G-120 | | | |
| MGRB | Roof Bracket | Galvanized Roof Bracket | N/A | N/A | N/A |
| TD | Slotted Bolt | 2-3/4" x 5/8" | N/A | 3,150 | 4,725 |
| TDE | Crimping Seal | 1.410" x 2-1/4" | N/A | 3,150 | 4,725 |
| 59010 | Longitudinal | Metal pads, bracket with | N/A | 7,000 | 10,000 |
| | Stabilization Device | hardware metal struts | | | |
| | L ² SD | | | | |
| 59002 | Swivel Strap | 2.60" x 4.875" x 10 gauge | N/A | 3,150 | 4,725 |
| | Connector | w/1 ¼" x .035" | | | |
| 59003 | Beam Connector for | 2.5" x 6.300" x 10 gauge beam | N/A | 3,150 | 4,725 |
| | a 3" I-beam | connector used with | | | |
| | | 59002 & 59242 | | | |
| 59004 | Beam Connector for | 2.5" x 7.300" x 10 gauge beam | N/A | 3,150 | 4,725 |
| | a 4" I-beam | connector used with | | | |
| | | 59002 & 59242 | | | |

| MODEL# | IDENTIFICATION | DESCRIPTION | Soil Class | Working | Ultimate |
|-----------|---------------------------|---------------------------------|------------|-------------------|-------------------|
| Tie Down | ASTM Standard Spec. | 1-1/4" x .035" Galvanized steel | N/A | Load 3,150 | Load 4,725 |
| | · | • | IN/A | 3,130 | 4,725 |
| Strapping | D3953-97 | strapping G-120 | _ | | _ |
| MGRB | Roof Bracket | Galvanized Roof Bracket | N/A | N/A | N/A |
| TD | Slotted Bolt | 2-3/4" x 5/8" | N/A | 3,150 | 4,725 |
| TDE | Crimping Seal | 1.410" x 2-1/4" | N/A | 3,150 | 4,725 |
| 59010 | Longitudinal | Metal pads, bracket with | N/A | 7,000 | 10,000 |
| | Stabilization Device | hardware metal struts | | | |
| | L ² SD | | | | |
| 59002 | Swivel Strap Connector | 2.60" x 4.875" x 10 gauge | N/A | 3,150 | 4,725 |
| | | w/1 ¼" x .035" | | | |
| 59003 | Beam Connector for a | 2.5" x 6.300" x 10 gauge beam | N/A | 3,150 | 4,725 |
| | 3" I-beam | connector used with | | | |
| | | 59002 & 59242 | | | |
| 59004 | Beam Connector for a | 2.5" x 7.300" x 10 gauge beam | N/A | 3,150 | 4,725 |
| | 4" I-beam | connector used with | | | |
| | | 59002 & 59242 | | | |
| 59005 | Adj. Beam Connector | 2.5" x 9.850" x 10 gauge used | N/A | N/A | N/A |
| | for up to a 8" double. I- | with 59002 & 59242 | | | |
| | beam | grade 5 bolt and nut | | | |
| 59009 | Longitudinal Beam | 1 ½" x 6 ½" x ¼" used as pair | N/A | N/A | N/A |
| | Connector | with 59002 | | | |
| 59011 | Longitudinal Beam | 6" x 6 ¾" x 7 gauge frame | N/A | N/A | N/A |
| | Clamp | clamp with eight (8) | | | |
| | | grade 5 bolts and nuts | | | |
| 59242 | Universal Swivel Strap | 2.6 x 4.88 x 10 ga. | N/A | 3,150 | 4,725 |
| | Connector | with 1 ¼" x .035 | | | |

| MODEL# | IDENTIFICATION | DESCRIPTION |
|--------|--|--------------------------------------|
| 59036 | Lateral (Vector) Kit w/pads for concrete | 17.25" x 11", 12 gauge galvanized |
| | applications – single stacked block piers | pad, part # 59277 w/mounting |
| | | brackets, hardware & parts |
| | | 59276 and 59282 |
| 59049 | Lateral (Vector) kit with pads for concrete | 17-1/4" x 18-3/5", 12 gauge |
| | applications – Double stacked block piers | galvanized pad, part #59273 with |
| | | mounting brackets, hardware & parts |
| | | 59282 with 59282 |
| 59273 | Double block foundations pad for concrete | Use with Vector System |
| 59277 | Single block foundation pad for concrete | Use with Vector System |
| 59024 | Lateral Vector Hardware Kit (Use with 59271) | U-bolts, "U" shaped connectors & |
| | | inside brackets |
| 59026 | Longitudinal L2SD Hardware Kit (w/59271) | 6" x 6 ¾" x 7 gauge beam clips, "U" |
| | | shaped plate connector, |
| | | bolts and nuts for connections |
| 59314 | Vector Xi Pier System - 25.5" | Longitudinal /Lateral Stabilizing |
| | | System |
| 59317 | Vector Xi Pier System- 36" | Longitudinal/Lateral Stabilizing |
| | Xi Concrete and Concrete Block System | System |
| 59306 | Xi Block System (Ground) | Longitudinal and Lateral Stabilizing |
| | | System |
| 59307 | Xi Block System (Concrete) | Longitudinal and Lateral Stabilizing |
| | | System |

| MODEL# | IDENTIFICATION | DESCRIPTION |
|--------|---------------------------------|---|
| 59321 | Vector Xi Pier System – 12" | Longitudinal/Lateral Stabilizing System |
| 59363 | 59361 Outrigger – 2 Per Pk. | 24" Outrigger/Diagonal Strut |
| 59365 | 59362 Outrigger – 2 Per Pk. | 36" Outrigger/Diagonal Strut |
| 59300 | Plastic Foundation Pad | 16" x 18" x 1" |
| | | 16" x 22 ½" x 1" |
| 59301 | Plastic Foundation Pad | 16" x 22 ½" x 1" |
| 59302 | Plastic Foundation Pad | 17 3/16" x 25 3/16" x 1 1/8" |
| 59303 | Plastic Foundation Pad | 24" x 24" |
| 59271 | Galvanized Metal Foundation Pad | 19.418" x 22.25" x 12 gauge used with |
| | | 59002 and grade 5 bolt and nut |

MAXIMUM PIER LOADS IN POUNDS BASED ON SOIL VALUES

| Configuration | Pad Area | 1,000 lb. | 2,000 lb. | 3,000 lb. |
|------------------------------|-----------|-----------|-----------|-----------|
| Single Stack Pier | (sq. ft.) | soil | soil | soil |
| 16" x 18" x 1" | 2 | 2,000 | 4,000 | 6,000 |
| 16" x 22 ½" x 1" | 2.5 | 2,500 | 5,000 | 7,500 |
| 17 3/16" x 25 3/16" x 1 1/8" | 3 | 3,000 | 6,000 | N/A |
| 19.418" x 22.5" x 10 gauge | 3 | 3,000 | 6,000 | N/A |
| 24" x 24" | 4 | 4,000 | 8,000 | N/A |

Configurations above may be used to replace a home manufacturer's recommended concrete base pad.

PAD CONFIGURATIONS

| Pad Description (Pyramid Footer Configuration) | Pad Area (sq. ft.) | 1,000 lb. soil | 2,000 lb. soil | 3,000 lb. soil |
|--|-----------------------|-------------------|-------------------|-------------------|
| Two 16" x 22 ½" pads as a base and one of the same size on top | 5.00 | 5,000 | 10,000 | N/A |
| Two 17 3/16" x 25 3/16" pads as a base and one of same size on | 6.00 | 6,000 | 12,000 | N/A |
| top | | | | |