

# **LIST OF APPROVED COMPONENTS AND SYSTEMS**

Revised Date: February 22, 2018

**Title 10 Texas Administrative Code Chapter 80 (10 TAC 80), Section 80.26(j) states, “All department letters issued prior to the effective date of this section remain valid for a period of ten (10) years following the effective date of this section.”**

**The Manufactured Housing Division Board may withdraw approval at an earlier date if any conditions listed in 10 TAC 80.26(g) and 10 TAC 80.26(h) exist.**

**When installing the component or system the Installer must reference the detailed and specific installation instructions that accompany the component or system.**

**This list is available on the web at <http://www.tdhca.state.tx.us/mh/docs/applist.pdf>.**

## **CODE FOR TYPE OF COMPONENT OR SYSTEM**

**A = anchor**

**AP = anchor plate for stability**

**ASYS = alternative stabilizing system**

**D = anchoring device**

**F = footing**

**P = pier**

<b>CODE</b>	<b>DEVICE MODEL ID</b>	<b>DESCRIPTION</b>	<b>PRODUCER NAME</b>
A	Deep-Set (Part Number 59091) (Expires 9/26/2018)	Vertically installed anchor with built-in stabilizer for tie working load of 3150 pounds at 45 degrees in soil with 525 in.-lb. or more torque value at 12 inches and 30 inches below the surface.	Tie Down Engineering
A	Deep-Set (Part Number 59091G) (Expires 10/13/2018)	Galvanized vertically installed anchor with built-in stabilizer for tie working load of 3150 pounds at 45 degrees in soil with 525 in.-lb. or more torque value at 12 inches and 30 inches below the surface.	Tie Down Engineering
A	Deep-Set (Part Number 59092) expires 10/13/2018	Vertically installed anchor with built-in stabilizer for tie working load of 3150 pounds at 45 degrees in soil 350 in.-lb. or more torque value at 12 inches and 36 inches below the surface.	Tie Down Engineering
A	Deep-Set (Part Number 59092G) expires 10/13/2018	Vertically installed anchor with built-in stabilizer for tie working load of 3150 pounds at 45 degrees in soil with 350 in.-lb. or more torque value at 12 inches and 36 inches below the surface.	Tie Down Engineering
A	Part Number 59096 (expires 10/13/2018)	M1C2 – 30 inch Coral Anchor-Install on a 60 deg. angle (30 deg. From vertical) level ground.	Tie Down Engineering
A	Part Number 59096G (expires 10/13/2018)	M1C2 – 30 inch Galvanizes Coral Anchor Install on a 60 deg. angle (30 deg. From vertical) level ground.	Tie Down Engineering
A	Part Number 59110 (expires 10/13/2018)	MRA - 30" Rock Anchor	Tie Down Engineering
A	Part Number 59110G (expires 10/13/2018)	MRA - 30" Galvanized Rock Anchor	Tie Down Engineering
A	Part Number 59111 (expires 10/13/2018)	MRA (same allowable load as 59110) 48" Rock Anchor	Tie Down Engineering
A	Part Number 59111G (expires 10/13/2018)	MRA (same allowable load as 59110) 48" Galvanized Rock Anchor	Tie Down Engineering
A	Part Number 59128 (Expires 10/13/2018)	42" Dbl Head Anchor	Tie Down Engineering
A	Part Number 59128G (Expires 10/13/2018)	42" Dbl Head Galvanized Anchor	Tie Down Engineering
A	Part Number 59086 Expires 10/13/2018)	48" Dbl Head Anchor	Tie Down Engineering
A	Part Number 59086G Expires 10/13/2018)	48" Dbl Head Galvanized Anchor	Tie Down Engineering
A	HP3 expires (9/10/2018)	Anchor used with HP30 plate in 550 in-lbs or more	Home Pride
A	HP10 expires (9/10/2018)	(Cross Drive) -Rock Anchor	Home Pride
A	HP 13 expires (9/10/2018)	(Patio L Anchor) – use in min. 2500psi conc.	Home Pride
A	HP 14 expires (9/10/2018)	(Swivel Head J Anchor) – use in min 2500psi conc.	Home Pride
A	MMA 14 (210 PDH) (Expires 4/23/2023)	Concrete Anchor	Minute Man
A	MMA 18 (THDHL) (Expires 4/27/2023)	Concrete Anchor	Minute Man
A	MMA-35 expires (2/15/2028)	Rigid Head Cross Drive Anchor	Minute Man

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A	MMA-35S expires (2/15/2028)	Swivel Head Cross Drive Anchor	Minute Man
A	MMA-6 (4430-DH-S) (Expires 2/7/2028)	Anchor in 300 to 400 in. lb.	Minute Man
A	MMA-92 (Expires 2/15/2028)	Auger Anchor with built-in stabilizer cap for 350 in.-lbs. and 24 blow count (or more soil)	Minute Man
A	MMA-93 (Expires 2/15/2028)	Auger Anchor 36 inch double helix	Minute Man
A	OT 3044 BP (Exp. 3/15/2023)	30 inch long two helix Anchor in 350 in.-lb.	Oliver Technologies
A	OT 486AP (Exp. 11/18/2019)	5/8" x 48 inch long single helix Anchor in class 4A soil	Oliver Technologies
A	OT 486BP (Exp. 11/18/2019)	3/4" x 48 inch long single helix Anchor in class 4A soil	Oliver Technologies
A	OT 36CDP (Expires 3/15/2023)	Cross Drive Anchor with 30 inch long rods (or longer) inserted in holes drilled into solid rock. Effective June 6, 2013, the previously approved 24 inch long rods shall not be delivered to installers in Texas	Oliver Technologies
A	30-DH (expires 11/18/2018)	Anchor (class 3 -350 to 550 in.-lbs.)	Stylecrest Manufacturing
A	3646 C 234 (expires 11/18/2018)	Anchor (class 4 -175- 275 in.-lb. soil)	Stylecrest Manufacturing
A	48SH58 (expires 11/18/2018)	Anchor in Type 4- 175-350 in.-lb.	Stylecrest Manufacturing
A	48SH34 (expires 11/18/2018)	Anchor in Type 4- 175-350 in.-lb.	Stylecrest Manufacturing
A	Part Number 59090 (expires 10/13/2018)	MI22 - 30 5/8 2-4" Anchor	Tie-Down Engineering
A	Part Number 59078 Galv. (expires 10/13/2018)	MI22 - 30 5/8 2-4" Anchor	Tie-Down Engineering
A	Part Number 59095 (expires 10/13/2018)	MI22 - 30 3/4 2-4" Anchor in 42 to 47 blow count, 550 in.-lb. or more	Tie-Down Engineering
A	Part Number 59079 Galv. (expires 10/13/2018)	MI22 - 30 3/4 2-4" Anchor in 42 to 47 blow count, 550 in.-lb. or more	Tie-Down Engineering
A	Part Number 59089. (expires 10/13/2018)	MI2H6 - 36 dbl hd. 5/8", 6"	Tie-Down Engineering
A	Part Number 59089G (expires 10/13/2018)	MI2H6 - 36 dbl hd. 5/8", 6"	Tie-Down Engineering
A	Part Number 59080 (expires 10/13/2018)	5/8 x 48" Anchor in Type 3,4/19-36 blow count - 275 to 350 in.-lb.	Tie-Down Engineering
A	Part Number 59081 Galv. (expires 10/13/2018)	5/8 x 48" Anchor in Type 3,4/19-36 blow count - 275 to 350 in.-lb.	Tie-Down Engineering
A	Part Number 59085 (expires 10/13/2018)	3/4 x 48" Anchor in Type 3,4/19-36 blow count - 275 to 350 in.-lb.	Tie-Down Engineering
A	Part Number 59094 Galv. (expires 10/13/2018)	3/4 x 48" Anchor in Type 3,4/19-36 blow count - 275 to 350 in.-lb.	Tie-Down Engineering
A	Part Number 59250 (expires 10/13/2018)	DBL Head Anchor w/ 0.719 diameter rod and 1 – 4" disc and 1 – 6" disc	Tie-Down Engineering
A	Part Number 59250G (expires 10/13/2018)	Galvanized DBL Head Anchor w/ 0.719 diameter rod and 1 – 4" disc and 1 – 6" disc	Tie-Down Engineering
A	PS-1 & GPS-1(Expires 4/30/2018)	Rock Anchor	Progressive Sales

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A	PS-2 & GPS-2(Expires 4/30/2018)	Soil Auger Anchor in 40 to 43 blow count, 550 in.-lb. or more	Progressive Sales
A	PS-5 & GPS-5(Expires 4/30/2018)	Soil Auger Anchor, 340 to 380 in.-lb	Progressive Sales
AP	48233 (expires 10/13/2018)	Stabilizer Plate for 30 DHC-2, and MI 22-C-2	Stylecrest Manufacturing
AP	48233 (expires 10/13/2018)	Stabilizer Plate for 3646 C 234 in 365 in.-lb. at 6-inch depth and 425 in.-lb at 3 ft. depth, installed with a single diagonal frame tie load ONLY	Stylecrest Manufacturing /Tie Down Engineering
AP	59291 (Expires 5/3/2010)	Quik-Set Stabilizer Plate for 200 in.-lb or more soil at the level of the plate. An auger anchor shall be installed per anchor instructions with a working tie load (or the resultant of two ties) of 3150 pounds or less within 50 degrees of vertical.	Tie Down Engineering
AP	59292 expires 10/13/2018	Stabilizer Plate for MI 22-C-2 and 30 DHC-2	Tie Down Engineering
AP	59292G expires 10/13/2018	Stabilizer Plate for MI 22-C-2 and 30 DHC-2	Tie Down Engineering
AP	HP32 (Expires 6/14/2022)	Stabilizer Plate for 350 in.-lbs. at plate depth for HP3 Anchor and 175 in.-lbs. at plate depth for HP17 Anchor	Home Pride
AP	HP 34 (Expires 6/14/2022)	Zip Cap stabilizer plate which is a 6.75 inch diameter metal disk with slot for shaft of soil auger anchor	Home Pride
AP	NC 1 (Expires 1/31/2010)	Stabilizer Cap	Minute Man
AP	OT CAP 1 (Expires 3/15/2023)	Stabilizer Cap for 350 in.-lb. soil at cap depth	Oliver Technologies
AP	OTMSP2P (Expires 3/15/2023)	Stabilizer Plate for 276 in.-lb. soil at plate depth	Oliver Technologies
AP	PS-11 & GPS-11(Expires 4/30/2018)	Stabilizer Plate for PS-2	Progressive Sales
ASYS	Listing # 1055-11 Adjustable Outrigger (Expires 11/18/2019)	Supplemental brace for a floor joist. 1.0 inch outside diameter x 12 gauge steel pipe with a bracket on one end and a threaded rod on the other end.	Oliver Technologies, Inc. a Division of Manufactured Housing Foundations Systems
ASYS	Vector Dynamics System Wind Zones I and II - Expires 7/20/2009 Instruction Addendum for Alternative Single Pads for Wind Zone I (Expires 9/26/2013)	59275-Vector Pads; 59310-Alternative 2 Sq. Ft. Single Pad; 59271- Alternative 3 Sq. Ft. Single Pad; 59276-Inside Tie Brackets; 59282-Outside Tension Brackets; 59269-"V" Drive Anchor; 10973-Long U-bolts; 10999-Short U-bolts; 59135-Slotted Bolt; 59277-Galvanized Vector Pads; 50206-Expansion Stud Anchor; 59095-30" Anchor with two 4" helixes; 59080/59085 48" Anchor with 6" helix; 59292-12" stabilizer plate; 59281-adaptor bracket for pipe brace. NOTE: IF HOME IS BEING INSTALLED TO THE MANUFACTURER	Tie Down Engineering, Inc

CODE	DEVICE MODEL ID	DESCRIPTION	PRODUCER NAME
		INSTALLATION INSTRUCTIONS THIS SYSTEM MUST BE APPROVED BY THE MANUFACTURED HOME MANUFACTURER PRIOR TO USE.	
ASYS	X12 Steel Pier System for Wind Zone 1 and wind zone 2 (Expires 12/20/2027)	X12 "Steel Pier System" is a manufactured home stabilization system that resists both overturning and sliding forces. NOTE: IF HOME IS BEING INSTALLED TO THE MANUFACTURER INSTALLATION INSTRUCTIONS THIS SYSTEM MUST BE APPROVED BY THE MANUFACTURED HOME MANUFACTURER PRIOR TO USE.	Tie Down Engineering, Inc
ASYS	X12 Concrete Foundation System for Wind Zone 1 and wind zone 2 (Expires 12/20/2027)	X12 "Concrete System" is a manufactured home stabilization system that resists both overturning and sliding forces. NOTE: IF HOME IS BEING INSTALLED TO THE MANUFACTURER INSTALLATION INSTRUCTIONS THIS SYSTEM MUST BE APPROVED BY THE MANUFACTURED HOME MANUFACTURER PRIOR TO USE.	Tie Down Engineering, Inc
ASYS	OTI Model 1100 "V" Series All Steel Foundation System for Wind Zone I (Expires 3/3/2024)	Model 1100 I "V" All Steel Foundation System, Wind Zone I and Seismic, Transverse and Longitudinal System: a formed galvanized steel pan, a transverse brace arm assembly, and a longitudinal V-brace assembly. Model 1100 I C "V" All Steel/Concrete Foundation System: 2 anchors, each consisting of a steel U-bracket welded to a steel plate with holes drilled to receive 2 anchor bolts (dry set) or 2 anchors consisting of a 5/8 inch steel rod formed into a J-bolt and welded to a U-shaped bracket (wet set), and a concrete foundation pad. Model 1100 LV Foundation/Pier Anchor System: a formed galvanized steel pan and a longitudinal V-brace assembly. NOTE: IF HOME IS BEING INSTALLED TO THE MANUFACTURER INSTALLATION INSTRUCTIONS THIS SYSTEM MUST BE APPROVED BY THE MANUFACTURED HOME MANUFACTURER PRIOR TO USE.	Oliver Technologies, Inc.

CODE	DEVICE MODEL ID	DESCRIPTION	PRODUCER NAME
ASYS	OTI Model 1100 "V" Series All Steel Foundation System for Wind Zone II (Expires 3/3/2024)	Model 1100 II T "V" All Steel Foundation System, Wind Zone II, Transverse System: a formed galvanized steel pan and a transverse brace arm assembly. Model 1100 II L "V" All Steel Foundation System, Wind Zone II, Longitudinal System: a formed galvanized steel pan and a longitudinal V-brace assembly. Concrete Anchor Systems Used With the Model 1100 II C "V" All Steel Foundation System for Wind Zone II: 2 anchors, each consisting of a steel U-bracket welded to a steel plate with holes drilled to receive 2 anchor bolts (dry set) <b>or</b> 2 anchors consisting of a 5/8 inch steel rod formed into a J-bolt and welded to a U-shaped bracket (wet set), and a concrete foundation pad. NOTE: IF HOME IS BEING INSTALLED TO THE MANUFACTURER INSTALLATION INSTRUCTIONS THIS SYSTEM MUST BE APPROVED BY THE MANUFACTURED HOME MANUFACTURER PRIOR TO USE.	Oliver Technologies, Inc.
ASYS	Model No. MMA LLBS EZ Flex Tube, Longitudinal and Lateral Bracing System for Wind Zone I and Wind Zone II  (Expires 03/19/2019)	Adjustable steel tubes with Minute Man Anchors metal ground pans and angle drive rods and telescoping restraint arms, along with conventional masonry piers, for longitudinal and lateral restraint. NOTE: IF HOME IS BEING INSTALLED TO THE MANUFACTURER INSTALLATION INSTRUCTIONS THIS SYSTEM MUST BE APPROVED BY THE MANUFACTURED HOME MANUFACTURER PRIOR TO USE.	Minute Man Anchors, Inc.
D	HP20 expires (9/10/2018)	Double slot strap buckle	Home Pride
D	HP21 expires (9/10/2018)	Single slot buckle	Home Pride
D	HP22 expires (9/10/2018)	Frame clamp	Home Pride
D	CDE8 (Expires 11/18/2018)	Swivel Head Concrete anchor	Stylecrest Manufacturing
D	481018 (Expires 11/17/2018)	Split bolt and nut for use with StyleCrest and Tie Down Anchors	Stylecrest Manufacturing
D	48237 (Anchor-SUR, Expires 11/18/2018)	1 1/4" x 37 feet Galvanized Strapping	Stylecrest Manufacturing
D	48100 (Anchor-SUR, Expires 11/18/2018)	1 1/4" x 600 feet Galvanized Strapping	Stylecrest Manufacturing

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D	481014 (Anchor-SUR Seal, Expires 11/18/2018)	0.035 GA. Galvanized Crimp Seal	Stylecrest Manufacturing
D	481500 (expires 11/18/2018)	5', 6', 7', 8', 12', 14', & 16" Swivel Strap Connector Assembly.	Stylecrest Manufacturing
D	FH6 (expires 11/18/2018)	Frame Hook	Stylecrest Manufacturing
D	481106 (expires 11/18/2018)	6' - Frame Hook Strap Assembly	Stylecrest Manufacturing
D	481107 (expires 11/18/2018)	7' - Frame Hook Strap Assembly	Stylecrest Manufacturing
D	481108 (expires 11/18/2018)	8' - Frame Hook Strap Assembly	Stylecrest Manufacturing
D	481110 (expires 11/18/2018)	10' - Frame Hook Strap Assembly	Stylecrest Manufacturing
D	481112 (expires 11/18/2018)	12' - Frame Hook Strap Assembly	Stylecrest Manufacturing
D	481114 (expires 11/18/2018)	14' - Frame Hook Strap Assembly	Stylecrest Manufacturing
D	SB6 (Expires 11/18/2018)	2 ½" x 2 ½" Double Slot Buckle	Stylecrest Manufacturing
D	481206 (Expires 11/18/2018)	Double Slot Buckle Assembly 2 ½" x 2 ½" x 6'	Stylecrest Manufacturing
D	481207 (Expires 11/18/2018)	Double Slot Buckle Assembly 2 ½" x 2 ½" x 7'	Stylecrest Manufacturing
D	481208 (Expires 11/18/2018)	Double Slot Buckle Assembly 2 ½" x 2 ½" x 8'	Stylecrest Manufacturing
D	481210 (Expires 11/18/2018)	Double Slot Buckle Assembly 2 ½" x 2 ½" x 10'	Stylecrest Manufacturing
D	481212 (Expires 11/18/2018)	Double Slot Buckle Assembly 2 ½" x 2 ½" x 12'	Stylecrest Manufacturing
D	481214 (Expires 11/18/2018)	Double Slot Buckle Assembly 2 ½" x 2 ½" x 14'	Stylecrest Manufacturing
D	MHT (expires 10/13/2018)	Various lengths Hook strap	Tie Down Engineering
D	MBU (expires 10/13/2018)	Various lengths Buckle Strap	Tie Down Engineering
D	MS 33-600 (expires 10/13/2018)	Strap from 33 feet to 600 feet	Tie Down Engineering
D	Part Number 59175 (expires 10/13/2018)	Crimp Seal	Tie Down Engineering
D	Part Number 59140 (expires 10/13/2018)	Galvanized Strap Buckle	Tie Down Engineering
D	Part Number 59145 (expires 10/13/2018)	Galvanized Roof Bracket	Tie Down Engineering
D	Part Number 59135 (expires 10/13/2018)	Slotted Bolt with Nut	Tie Down Engineering
D	Part Number 59115 (expires 10/13/2018)	MIT2 - Double Head Conc. Expansion Anchor	Tie Down Engineering
D	Part Number 59117 (expires 10/13/2018)	MIT2 - Double Head Galvanized Conc. Expansion Anchor	Tie Down Engineering
D	Part Number 59002 (expires 10/13/2018)	Universal Swivel Strap Connector	Tie Down Engineering
D	Part Number 59003 (expires 10/13/2018)	3" Swivel Beam Clamp	Tie Down Engineering
D	Part Number 59004 ((expires 10/13/2018)	4" Swivel Beam Clamp	Tie Down Engineering
D	Part Number 59242 (expires 12/20/2027)	Universal Swivel Strap Connector	Tie Down Engineering
D	Part Number 59005(expires 10/13/2018)	Beam Clamp Double Beam	Tie Down Engineering
D	MHT-6 expires 10/13/2018	Frame tie with clip	Tie Down Engineering
D	Part Number 59125 (expires 10/13/2018)	MICS2 – DBL Head Expansion Concrete Anchor	Tie Down Engineering
D	Part Number 59124 (expires 10/13/2018)	MISC2 – Galvanized Dbl Head Expansion Concrete Anchor	Tie Down Engineering
D	Part Number 59030 (expires 10/13/2018)	MISC1 – Single Head Expansion Concrete Anchor	Tie Down Engineering
D	Part Number 59030G (expires 10/13/2018)	MISC1 – Galvanized Single Head Expansion Concrete Anchor	Tie Down Engineering
D	Part Number 59109G (expires 10/13/2018)	MIJ2 – Swivel Head Galvanized J 12 Conc. Anchor	Tie Down Engineering

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D	Part Number 59120 (expires 10/13/2018)	MIJ2 – Fixed Head J 12 Conc. Anchor	Tie Down Engineering
D	Part Number 59121 (expires 10/13/2018)	MIJ2 – Fixed Head Galvanized J 12 Conc. Anchor	Tie Down Engineering
D	Part Number 59123 (expires 10/13/2018)	MIJ2 – Swivel Head J 8 Conc. Anchor	Tie Down Engineering
D	Part Number 59123G (expires 10/13/2018)	MIJ2 – Swivel Head Galvanized J 8 Conc. Anchor	Tie Down Engineering
D	Part Number 59147 (expires 10/13/2018)	MIJ2 – Fixed Head J 8 Conc. Anchor	Tie Down Engineering
D	Part Number 59147G (expires 10/13/2018)	MIJ2 – Fixed Head Galvanized J 8 Conc. Anchor	Tie Down Engineering
D	Part Number 59361 (expires 10/13/2018)	24 inch adjustable outrigger for 14 foot wide	Tie Down Engineering
D	Part Number 59362 (expires 10/13/2018)	36 inch adjustable outrigger for 16 foot wide	Tie Down Engineering
D	MMA-33 (Expires 4/23/2023)	Locking Frame Clamp	Minute Man Anchors
D	MMA-42 (Expires 4/7/2013)	“J” Bolt Concrete Anchor	Minute Man Anchors
D	OT(Expires 3/15/2023)	Galvanized Strapping	Oliver Technologies
D	OT (Expires 3/15/2023)	Split Bolt	Oliver Technologies
D	OT CADP (Expires 3/15/2023)	Concrete Expansion Anchor	Oliver Technologies
D	OTCAW (Expires 2/3/2013)	Concrete Anchor “J” Bolt	Oliver Technologies
D	OT CAWP (Expires 3/15/2023)	Concrete Anchor “L” Bolt	Oliver Technologies
D	OT FT 1 (Expires 11/20/2023)	Frame Tie	Oliver Technologies
D	OTLT (Expires 2/3/2024)	Longitudinal Beam Connector	Oliver Technologies
D	OTQC (Expires 1/31/2024)	Quick Connector tie for attachment to brackets installed on home by the home manufacturer	Oliver Technologies
D	OTSFT (Expires 1/31/2024)	Swivel Frame Tie perpendicular to I-beam	Oliver Technologies
D	OT ST 1 (Expires 3/15/2023)	Strap crimp sealed to Buckle	Oliver Technologies
D	OT ST 1 (Expires 3/15/2023)	Strap weaved through Buckle	Oliver Technologies
D	OTI-1818P (Expires 1/9/2020)	Double Click Crimp Seal	Oliver Technologies
D	OT 1055-11 (Expires 11/18/2018)	Adjustable Outrigger	Oliver Technologies
D	PSI (Expires 4/30/2018)	Split Bolt w/ half nut	Progressive Sales
D	PS-3(Expires 4/30/2018)	Concrete Anchor	Progressive Sales
D	PS-4 & GPS-4 (Expires 4/30/2018)	Patio Anchor Assembly (for a single vertical, diagonal, or horizontal tie)	Progressive Sales
D	PS-6 (Expires 4/30/2018)	2.5" x 2.5" metal plate with 2 slots 1.375" in length through which a strap may be threaded and attached to an anchor tension head	Progressive Sales
D	PS-7 (Expires 4/30/2018)	Patio Anchor Bolt (for a single vertical, diagonal, or horizontal tie)	Progressive Sales
D	PS-8 (Expires 4/30/2018)	J-Hook Frame Clip	Progressive Sales
F	I.D. Number 1055-22 (Expires 1/30/2024)	21inch by 29 inch ABS plastic footing	Oliver Technologies, Inc.
F	I.D. Number 1055-23 (Expires 1/30/2024)	16 inch by 18.5 inch ABS plastic footing	Oliver Technologies, Inc.
F	I.D. Number 1055-23 (Expires 1/30/2024)	16 inch by 18.5 inch ABS plastic footings with two footings side by side and one footing on top	Oliver Technologies, Inc.
F	I.D. Number 1055-7 (Expires 11/18/2019)	20" x 20" ABS plastic footing	Oliver Technologies, Inc. a Division of Manufactured Housing Foundation Systems
F	I.D. Number 1055-9 (Expires 10/18/2018)	18.5" x18.5" ABS plastic footing	Oliver Technologies, Inc. a Division of Manufactured Housing Foundation Systems



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F	I.D. Number 1055-13 (Expires 11/18/2019)	24" x 24" ABS plastic footing	Oliver Technologies, Inc. a Division of Manufactured Housing Foundation Systems
F	I.D. Number 1055-14 (Expires 10/18/2018)	16" x16" ABS plastic footing	Oliver Technologies, Inc. a Division of Manufactured Housing Foundation Systems
F	I.D. Number 1055-16 (Expires 11/18/2019)	17" x 22" ABS plastic footing (single use or pad crossing atop two other pads)	Oliver Technologies, Inc. a Division of Manufactured Housing Foundation Systems
F	I.D. Number 1055-17 (Expires 11/18/2019)	17.5 " x 25.5" ABS plastic footing (single use or one pad crossing atop two other pads)	Oliver Technologies, Inc. a Division of Manufactured Housing Foundation Systems
F	Part Number 59300 (Expires 1/9/2023)	ABS pad 16"x18"x7/8" (2 sq. ft.)	Tie Down Engineering
F	Part Number 59301 (Expires 1/9/2023)	ABS pad 16"x22.5"x1" (2.5 sq. ft.)	Tie Down Engineering
F	Part Number 59302 (Expires 1/9/2023)	ABS pad 17.1875"x25.1875"x1.125" (3 sq. ft.)	Tie Down Engineering
F	Part Number 59303 (Expires 1/9/2023)	ABS pad 24"x24"x1" (4 sq. ft.)	Tie Down Engineering
F	PP1616 (Expires 2/1/2022)	black polypropylene plastic pad	PolyVulc USA, Inc.
F	PP1723 (Expires 2/1/2022)	black polypropylene plastic pad	PolyVulc USA, Inc.
F	PP1818 (Expires 2/1/2022)	black polypropylene plastic pad	PolyVulc USA, Inc.
F	PP2020 (Expires 2/1/2022)	black polypropylene plastic pad	PolyVulc USA, Inc.
F	PP2424 (Expires 2/1/2022)	black polypropylene plastic pad	PolyVulc USA, Inc.
F	Maxi-Pad Concrete Pad V (imprint in edge 2 inches from corner) Expires 8/16/2018	Precast High Strength Concrete Footing 15.63 inches square x 2.75 inch thick	Alamo Concrete Tile
P	BSK G08-076-10F (expires 2018)	Metal Pier- Heights 6" to 36" in 2" increments	D-Mac LLC (formerly M B Industries)
P	48634-4, 4834-6, 4834-8, 4834- 10, & 4834-10 (expires 12/16/2019)	Metal Pier- Heights 6" to 12" in 2" increments	Tie Down Engineering, Inc.
P	48634-14, 4834-16, 4834-18, 4834-20, 4834-22 & 4834-24 (expires 12/16/2019)	Braced Metal Pier- Heights 14" to 24" in 2" increments	Tie Down Engineering, Inc.
P	48634-24, 4834-26, 4834-28, 4834-30, 4834-32 & 4834-34 (expires 12/16/2019)	Double Braced Metal Pier- Heights 28" to 36" in 2" increments	Tie Down Engineering, Inc.