

**MISSOURI PUBLIC SERVICE COMMISSION
MANUFACTURED HOUSING PROGRAM
APPROVAL OF ANCHORING SYSTEMS
MINUTE-MAN ANCHORS, INC.**

800-438-7277

MODEL	MARK	DESCRIPTION	SOIL TYPE	DUAL STRAP
650-DH 5/8"	MMA-2	50" Double Head Auger Anchor	2, 3, 4	*
650-DH 3/4"	MMA-4	50" Double Head Auger Anchor	2, 3, 4	*
650-DH 11/16"	MMA-38	50" Double Head Auger Anchor	2, 3, 4	*
636-DH 5/8"	MMA-40	36" Double Head Auger Anchor	2, 3	NO
636-DH 3/4"	MMA-28	36" Double Head Auger Anchor	2, 3	NO
636-EZDH 3/4"	MMA-94	36" Double Head with EZ Stabilizer Cap	325 in. lb. & above	NO
860-DH 3/4"	MMA-85	60" Long, 8" Disk Double Head Anchor	175 in. lb. & above	NO
4430-DH 5/8"	MMA-30	30" Double Head/Disk Auger Anchor	2, 3	NO
4430-DH 11/16"	MMA-36	30" Double Head/Disk Auger Anchor	2, 3	NO
4430-DH 3/4"	MMA-6	30" Double Head/Disk Auger Anchor	2, 3	NO
4430-DH 3/4"	MMA-6	30" Double Head with NC 1 Stabilizer Cap	400 in. lb. & above	NO
4430-EZDH 3/4"	MMA-92	32" Double Head/Double Disk Auger Anchor / No Comp. Disk	525 in. lb. & above	NO
4450-DH 5/8"	MMA-53	50" Long (2) 4" Disk Double Head Anchor	2, 3	NO
4450-DH 11/16"	MMA-54	50" Long (2) 4" Disk Double Head Anchor	2, 3	NO
4450-DH 3/4"	MMA-55	50" Long (2) 4" Disk Double Head Anchor	2, 3	NO
4636-DH 3/4"	MMA-52	36" Double Head/4" and 6" Helix	300 in. lb. & above	NO
36-XDH	MMA-35	36" Double Head Cross Drive Anchor	1	YES
48-XDH	MMA-8	48" Double Head Cross Drive Anchor	1	YES
GW 2	GW2-18	18" w/4" Helix/NC2 Stabilizer/Two 32" Rods	450 in. lb. & above	NO
GW1	GW1	Rock Anchor w/NC2 Stabilizer/Two 16" Rods	Solid Rock Only	NO
THDH	MMA-18	Double Tension Head	Slab	NO
210-DH	MMA-12	Double Head Tension Device for Slab	Slab	NO
210-PDH	MMA-14	Double Head Tension Device for Concrete	Slab	NO
210-JDH	MMA-42	Swivel Double Head Anchor with Base	Slab	NO
	NC 1	Nu-Concept Stabilizer Cap	**	
	NC 2	Stabilizer Cap for GW series anchors		
	MMA-29	Frame Strap with Clamp		
	MMA-32	Frame Buckle with Strap		
MMA-33 Frame Clamp	MMA-33	Locking Frame Clamp II		
		Galvanized Steel Strapping		
	MMA	Strap Extending Seals		
MILL BOLT		Anchor Tension Bolt		
SLOT BOLT		Anchor Tension Bolt		
44-RB & 66-RB		Roof Brackets		
MMA-SD2A		Anchor Stabilizing Device	2, 3, 4	
MMA LLBS	SD3	Longitudinal & Lateral Bracing System	1,2,3,4	Ground Set****
MMALLBS	CAF	LLBS Dry Concrete Application	Concrete	Steel Bracing****
MMALLBS	CFW	LLBS Wet Concrete Application	Concrete	Steel Bracing****
MMALLBS	FT	LLBS Wet/Dry Concrete Application	Concrete	Steel Bracing****

STANDARDS FOR INSTRUCTIONS:

1) Anchors and all components must be installed per manufacturer's instructions.

2) Anchors are approved for designated soil type only.

3) Consult manufactured home set up instructions for number of frame tie downs, over the roof tie downs, and tie down spacing.

*Approved for dual strap use in soil types 2 and 3 only.

**Approved for use with anchors matching the specifications of the MMA-6 listed above (3/4" x 30") double head with double 4" disc, in 400 in. lb. soil and above.

****Per Mfg. Installation Instructions & Home Mfg. must also have approved the system.

**** Per Minute-Man Installation Instructions.

**** Approved for two systems on homes up to a 80'(76" box) per mfr. instructions and all single section homes must have an approved auger anchor approved for the soil at the location of installation installed within two feet of each corner.

******Ground Set Pans required to be set with top of pan at frost grade & can not be installed in soil under 200 inch lbs.**

******All single section homes require and approved anchor for the soil within two feet of each corner.**

******In addition to any system installed all shear walls or marriage walls or other anchors required by home manufacturer must have the approved anchor for the soil.**

Soil Classifications: (1) Solid Rock, (2) 550+ inch lbs, (3) 350-549 inch lbs, (4) 200-349 inch lbs, under 200 inch lbs unclassified soil.

DATE: April 24, 2007

Ron Pleus

Ron Pleus, Director

Manufactured Housing and Modular Units Program