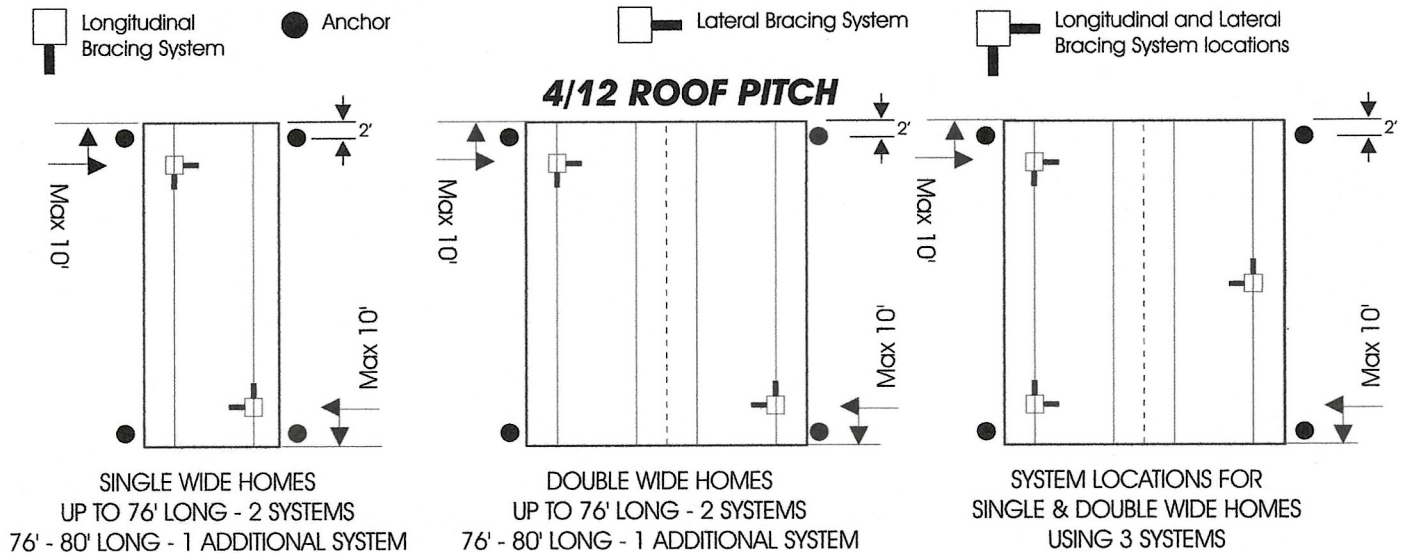


ZONE I LONGITUDINAL AND LATERAL BRACING SYSTEMS PLACEMENT

Approved uplift anchors with strap installed 75 to 90 degrees are required when using the MMA LLBS system. All anchors must have a working load of 3,150 lbs. Systems must be as equally spaced as possible. Triple wides and tag units require 2 additional systems. Place additional systems at the corner ends of the exposed side of the home.

HOME DIMENSIONS REPRESENT BOX SIZE- FOR HOMES OVER 80' CALL MMA

Minimum uplift anchors required. Reference uplift anchor chart for additional required anchors.



LLBS System Requirements for roof pitches over 20° with 8' Sidewalls

Home's Length ft.	Roof Pitch/Degree of Slope				
	5:12	6:12	7:12	8:12	9:12
	22.62°	26.57°	30.26°	33.69°	36.87°
34'	2	2	2	2	2
36'	2	2	2	2	2
38'	2	2	2	2	2
40'	2	2	2	2	2
42'	2	2	2	2	3
44'	2	2	2	3	3
46'	2	2	2	3	3
48'	2	2	3	3	3
50'	2	3	3	3	3
52'	2	3	3	3	3
54'	3	3	3	3	3
56'	3	3	3	3	3

Home's Length ft.	Roof Pitch/Degree of Slope				
	5:12	6:12	7:12	8:12	9:12
	22.62°	26.57°	30.26°	33.69°	36.87°
58'	3	3	3	3	3
60'	3	3	3	3	3
62'	3	3	3	3	3
64'	3	3	3	3	4
66'	3	3	3	4	4
68'	3	3	3	4	4
70'	3	3	4	4	4
72'	3	3	4	4	4
74'	3	3	4	4	4
76'	3	4	4	4	4
78'	3	4	4	4	4
80'	3	4	4	4	4

Call Minute Man Products for system requirements on homes with 9' Sidewalls

Required Anchors

HUD Wind Zone I

9' max. Sidewalls, 4:12 max Roof Slope

Using Sidewall Anchor Brackets (3)

Home Sections	Home Widths	Home Length (1)	Anchors per Side (2)
Single	12' (up to 140")	up to 63'	3
		64' to 90'	4
	14' to 18' (156" to 210")	up to 73'	3
		74' to 90'	4
Double	20' to 32' (2x118" to 2x186")	up to 90'	2
Triple	36' to 48' (3x140" to 3x186")	up to 90'	2

Notes -

(1) Home length refers to the size of the structure.

(2) Anchors should be placed 2' from each end of the home and evenly spaced.

(3) Brackets to be rated at 3150 lbs. min. allowable.

Required Anchors

HUD Wind Zone I

9' max. Sidewalls, 5:12 max Roof Slope

Using Sidewall Anchor Brackets (3)

Home Sections	Home Widths	Home Length (1)	Anchors per Side (2)
Single	12' (up to 140")	up to 55'	4
		56' to 74'	5
		75' to 90'	6
	14' to 18' (156" to 210")	up to 58'	4
		59' to 78'	5
		79' to 90'	6
Double	20' (2x118")	up to 90'	3
	24' to 32' (2x140" to 2x186")	up to 90'	2
Triple	36' to 48' (3x140" to 3x186")	up to 90'	2

Notes -

(1) Home length refers to the size of the structure.

(2) Anchors should be placed 2' from each end of the home and evenly spaced.

(3) Brackets to be rated at 3150 lbs. min. allowable.

Required Anchors

HUD Wind Zone I

9' max. Sidewalls, 7:12 max Roof Slope

Using Sidewall Anchor Brackets (3)

Home Sections	Home Widths	Home Length (1)	Anchors per Side (2)
Single	12' (up to 140")	up to 45'	4
		46' to 62'	5
		63' to 78'	6
		79' to 90'	7
	14' to 18' (156" to 210")	up to 47'	4
		48' to 64'	5
		65' to 81'	6
		82' to 90'	7
Double	20' (2x118")	up to 90'	4
	24' to 32' (2x140" to 2x186")	up to 85'	3
		86' to 90'	4
Triple	36' to 48' (3x140" to 3x186")	up to 90'	2

Notes -

(1) Home length refers to the size of the structure.

(2) Anchors should be placed 2' from each end of the home and evenly spaced.

(3) Brackets to be rated at 3150 lbs. min. allowable.