

Figure: 10 TAC §80.24(e)(1)

MAXIMUM SPACING FOR DIAGONAL TIES (WIND ZONE II)
PER SIDE OF THE ASSEMBLED UNIT

Minimum Nominal Widths Single/Double Section				
Max. Vertical Distance	12/24 wide	14/28 wide	16/32 wide	18/36 wide
20" to 24"	7 ft	8 ft	8 ft	8 ft
25" to 29"	6 ft	7 ft	8 ft	8 ft
30" to 40"	5 ft	6 ft	7 ft	8 ft
41" to 48"	4 ft	5 ft	6 ft	7 ft
49" to 60" (see note 2)	4 ft	6 ft	6 ft	6 ft
Minimum number of longitudinal ties, each end of each section.	2 at min. 58° angle from vertical	2 at min. 32° angle from vertical	3 at min. 38° angle from vertical	3 at min. 46° angle from vertical

Notes:

- 1) This chart applies to single and multi section homes.
- 2) Single section units shall have diagonal ties directly opposite each other along the two main I-beams. Multi section units need diagonal ties on the outer-most main I-beam only. When vertical distance exceeds 48", connect diagonal tie to opposite beam.
- 3) Ties installed at each end of the home shall be within 24 inches of each end of the applicable I-beam.
- 4) The distance between any two ties may be exceeded to avoid an obstruction, as long as the total number of ties remains the same, and no two anchors shall be within 4 ft of each other.
- 5) Any vertical ties present on homes must be attached to a ground anchor. Both vertical and diagonal ties may be connected to a single double-headed anchor, if the anchor manufacturer's installation instructions allow for the combined loading.
- 6) The vertical distance is measured from the anchor head to the underside of the floor joists.
- 7) No two anchors shall be within 4 ft of each other.
- 8) Other stabilizing systems registered with the Department may replace longitudinal and/or lateral ties as long as the system manufacturer's installation instructions are followed.