## TABLE R602.3(5)SIZE, HEIGHT AND SPACING OF WOOD STUDS

STUD SIZE (inches)	BEARING WALLS					NONBEARING WALLS	
	Laterally unsupported stud height <sup>ad</sup> (feet)	Maximum spacing when supporting a roof-ceiling assembly or a habitable attic assembly, only (inches)	Maximum spacing when supporting one floor, plus a roof-ceiling assembly or a habitable attic assembly (inches)	Maximum spacing when supporting two floors, plus a roof-ceiling assembly or a habitable attic assembly (inches)	Maximum spacing when supporting one floor height <sup>a</sup> (feet)	Laterally unsupported stud height <sup>a</sup> (feet)	Maximum spacing (inches)
2x3 <sup>b</sup>	-	-	-	-	-	10	16
2x4 <sub>e</sub>	<del>10</del> 12	24 <sup>c</sup>	16 <sup>°</sup>	-	24	14	24
3x4	12	24	24	16	24	14	24
2x5	12	24	24	-	24	16	24
2x6	<del>10</del> 12	24	24	16	24	20	24

For SI: 1 inch = 25.4 mm, 1 foot= 304.8 mm, 1 square foot = 0.093 m<sup>2</sup>

a. Listed heights are distances between points of lateral support placed perpendicular to the plane of the wall. Increases in unsupported height are permitted where justified by analysis.

b. Shall not be used in exterior walls.

c. A habitable attic assembly supported by 2x4 studs is limited to a roof span of 32 feet. Where the roof span exceeds 32 feet, the wall studs shall be increased to 2x6 or the studs shall be designed in accordance with accepted engineering practice.

d. Studs more than 10 feet in height and up to 12 feet in height shall have lateral blocking/bracing, 4 feet on-center maximum.

e. 2 x 4 studs more than 10 feet in height and up to 12 feet in height shall be doubled.