

Limiting Heights for **NITROSTUD STUD 33 mil** (.0312 in.), Fy = 33 KSI, Studs with 5/8" Type X Gypsum board

Member Size	Spacing (in)	5 (psf)			7.5 (psf)			10 (psf)		
		L/120 ft	L/240 ft	L/360 ft	L/120 ft	L/240 ft	L/360 ft	L/120 ft	L/240 in	L/360 in
2-1/2"	12	19'-8"	15'-8"	13'-8"	17'-3"	13'-8"	11'-11"	15'-8"	12'-5"	10'-10"
	16	17'-11"	14'-3"	12'-5"	15'-8"	12'-5"	10'-10"	14'-3"	11'-3"	9'-10"
	24	15'-8"	12'-5"	10'-10"	13'-8"	10'-10"	9'-5"	12'-4"	9'-10"	8'-4"
3-5/8"	12	24'-2"	19'-2"	16'-9"	21'-1"	16'-9"	14'-8"	19'-2"	15'-3"	13'-4"
	16	21'-1"	17'-5"	15'-3"	19'-2"	15'-3"	13'-4"	17'-5"	13'-10"	11'-11"
	24	19'-2"	15'-3"	13'-4"	16'-8"	13'-4"	11'-4"	14'-5"	11'-11"	10'-1"
4"	12	25'-3"	20'-1"	17'-6"	22'-1"	17'-6"	15'-4"	20'-1"	15'-11"	13'-11"
	16	22'-11"	18'-3"	15'-11"	20'-1"	15'-11"	13'-11"	18'-3"	14'-5"	12'-7"
	24	20'-1"	15'-11"	13'-11"	17'-3"	13'-11"	12'-0"	15'-0"	12'-7"	10'-9"
6"	12	35'-4"	28'-1"	24'-6"	30'-10"	24'-6"	21'-5"	27'-10"	22'-3"	19'-5"
	16	32'-1"	25'-6"	22'-3"	27'-10"	22'-3"	19'-5"	24'-1"	20'-3"	17'-8"
	24	27'-10"	22'-3"	19'-5"	22'-9"	19'-5"	16'-11"	19'-8"	17'-8"	

Table Notes

1. Allowable composite limiting heights are calculated using ICC-ES AC86-2012.
2. No fasteners are required for attaching the stud to the track.
3. Stud end bearing must be a minimum of 1 inch.
4. Composite limiting heights are based on a single layer of 5/8" type X gypsum board installed in the vertical orientation to both sides of the wall over full height using minimum No. 6 Type S Drywall screws spaced a maximum of 12" oc for studs at 24" spacing, and 16" oc for studs at 16" and 12" spacing.