

Limiting Heights for **NITROSTUD STUD 30 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 in | L/240 ft in | L/360 ft in | L/120 ft in | L/240 ft in | L/360 ft in | L/120 ft in | L/240 ft in | L/360 ft. in |
| 1-5/8" | 12 | 14' - 11" | 11'-10" | 10'-4" | 13'-1" | 10'-4" | 8'-11" | 11'-10" | 9'-4" | 7'-11" |
| | 16 | 13'-7" | 10'-9" | 9'-4" | 11'-10" | 9'-4" | 7'-11" | 10'-9" | 8'-3" | |
| | 24 | 11'-10" | 9'-4" | 7'-11" | 10'-4" | 7'-11" | | 9'-4" | | |
| 2-1/2" | 12 | 18'-5" | 15'-10" | 14'-1" | 16'-1" | 13'-10" | 12'-4" | 14'-7" | 12'-7" | 11'-2" |
| | 16 | 16'-9" | 14'-5" | 12'-10" | 14'-7" | 12'-7" | 11'-2" | 13'-3" | 11'-5" | 10'-2" |
| | 24 | 14'-7" | 12'-7" | 11'-2" | 12'-9" | 11'-0" | 9'-9" | 11'-7" | 10'-0" | 8'-8" |
| 3-5/8" | 12 | 22'-10" | 18'-3" | 16'-4" | 19'-11" | 16'-0" | 14'-3" | 18'-1" | 14'-6" | 12'-11" |
| | 16 | 20'-8" | 16'-7" | 14'-10" | 18'-1" | 14'-6" | 12'-11" | 16'-5" | 13'-2" | 11'-6" |
| | 24 | 18'-1" | 14'-6" | 12'-11" | 15'-9" | 12'-8" | 10'-11" | 13'-8" | 11'-4" | |
| 4" | 12 | 24'-6" | 19'-5" | 17'-0" | 21'-5" | 17'-0" | 14'-10" | 19'-5" | 15'-5" | 13'-6" |
| | 16 | 22'-3" | 17'-8" | 15'-5" | 19'-5" | 15'-5" | 13'-6" | 17'-5" | 14'-0" | 12'-2" |
| | 24 | 19'-5" | 15'-5" | 13'-6" | 16'-5" | 13'-6" | 11'-7" | 14'-2" | 12'-2" | 10'-4" |
| 6" | 12 | 34'-2" | 27'-1" | 23'-8" | 28'-11" | 23'-8" | 20'-8" | 25'-0" | 21'-6" | 18'-9" |
| | 16 | 30'-8" | 24'-7" | 21'-6" | 25'-0" | 21'-6" | 18'-9" | 21'-8" | 19'-6" | 17'-1" |
| | 24 | 25'-0" | 21'-6" | 18'-9" | 20'-5" | 18'-9" | 16'-5" | 17'-8" | 17'-1" | |

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.