

Metal Stud Submittal Requirements

Non-load (Axial) bearing steel studs, runners (track), and joists must be listed by an approved testing agency; and shall be installed in accordance with the manufacturer's instructions and the listing agencies report.

Standard Metal Stud & Ceiling Joist Table							
<i>Interior Non-Load Bearing Partitions (both flanges supported)</i>							
Size (in.)	Gauge	Stud Spacing (in.)			Stud Spacing (in.)		
		12	16	24	12	16	24
		Allowable Height (ft.-in.)			Web Stiffening Height (ft.-in.) *		
3-5/8	25	15-10	13-8	11-2		>9-7	>6-4
	20	20-11	19-0	16-7			
6							
	20	31-8	28-10	23-10			

**No punchouts or holes drilled within 12" of stud ends.
Track gauge same as stud with 1" track leg height.**

Ceiling Joist – Top Flange Braced 48" O.C.				
Size (in.)	Gauge	Joist Spacing (in.)		
		12	16	24
		Allowable Single Span (ft.-in.)		
3-5/8	20	10-8	9-8	8-0
6	20	15-10	13-10	10-6

**If stud height exceeds table, web stiffeners are required. A web stiffener is a 6" length of stud secured to the stud web at both ends of the stud, with four (4) #8 pan-head screws.*

FOR ALL INSTALLATIONS THAT DO NOT COMPLY WITH THE STANDARD METAL STUD TABLE, SUBMIT TO THE BUILDING DIVISION FOR APPROVAL, TWO (2) COPIES OF THE FOLLOWING INFORMATION PRIOR TO INSTALLATION:

- A. Cover sheet with the following information:
 - 1. Job site address, contact person, telephone number
 - 2. Manufacturer's name
 - 3. Listing agency and report numbers
 - 4. Provide the following for each stud or joist:
 - a. Size
 - b. Type
 - c. Gauge
 - d. Spacing
 - e. Actual height or span of stud or joist
 - f. Web crippling calculation and indicate if web stiffening is required
 - g. Tract size, type, and gauge
- B. Copy of the listing agency report. (i.e., ICC, ES, UL, etc.)
 - 1. Highlight on the applicable tables the size, gauge, spacing and allowable height and spans
- C. Provide installation instructions and details for any special conditions such as:
 - 1. Web stiffeners
 - 2. Wall intersections
 - 3. Door jams
 - 4. Ceiling joists connections to walls
 - 5. Bracing details for both walls and joists systems when sheathing material is not provided on both flanges for their entire length.

Load bearing (traverse and axial) steel stud and joist installations must be installed in accordance with an engineer designed drawing submitted at time of plan review of the project.