

## Quality Notes

LL Deflection - 02





## There are two types of deflection when it comes to interior walls:

Interior Lateral Load Deflection (in & out)

Live Load Floor Deflection (up & down)

Most of the time, the specifications in the framing or drywall sections will identify the lateral load (in & out) deflection:

(This will determine the dimension from plumb when we push up against the wall)

Wall Performance Criteria (General...if not specifically noted on the drawings):

USE	DESIGN PRESSURE	MAXIMUM DEFLECTION
Wall enclosing stairs, elevator hoistways, and other vertical shafts	10#/ft <sup>2</sup>	L/120
Wall enclosing vestibules, ground floor lobbies, and similar intermittent exposure to exterior wind conditions	15#/ft²	L/240
Walls scheduled with tile backer board, moisture resistant bd, or abuse resistant bd	5#/ft <sup>2</sup>	L/360
Walls scheduled to receive tile, lath & plaster, or veneer plaster.	5#/ft <sup>2</sup>	L/360
Typical interior wall/partition	5#/ft <sup>2</sup>	L/240
Interior ceilings/soffits and bulkheads	5#/ft <sup>2</sup>	L/360

When we request the Live Load Deflection, we are asking the Structural Engineer to review the structural components and give us a maximum deflection (center of span) so that we could properly design the head track and fire rated head of wall joint.

If the Architect responds with L/240 or "review the specification", they are typically referring to the Lateral Deflection...

Please review the Quality Note
"LL Deflection-01"
dated 01.26.2016
for more specific information on
Live Load Deflection (up & down).



