

### The Lot - Stage Floor Capacity Matrix

Stage		Floor Framing		
		Existing	Per Plans	Superimposed LL Capacity
1 <sup>1</sup>	PIT	As shown on plan	3 1/8"x12" GLB joists @ 12" o.c. / W14x43 beam	250 psf / 3000 lb wheel <sup>2,3</sup>
	S.O.G.	Slab-on-grade (thickness not verified)	6" S.O.G. w/ #3 @ 16" o.c.	400 psf / 5000 lb wheel <sup>2,3</sup>
2 <sup>1</sup>	PIT	Pits concrete filled per Studio	Same as Stage 1	400 psf / 5000 lb wheel <sup>2,3</sup>
	S.O.G.	Same as Stage 1	Same as Stage 1	400 psf / 5000 lb wheel <sup>2,3</sup>
3 <sup>1</sup>	PIT	As shown on plan	3x12 joists @ 12" o.c. / W14x43 beam (small pit), W18x64 beam (large pit)	250 psf / 3000 lb wheel <sup>2,3</sup>
	S.O.G.	Slab-on-grade (thickness not verified)	6" S.O.G. w/ #3 @ 16" o.c.	400 psf / 5000 lb wheel <sup>2,3</sup>
4 <sup>1</sup>	PIT	Same as Stage 3	Same as Stage 3	250 psf / 3000 lb wheel <sup>2,3</sup>
	S.O.G.	Same as Stage 3	Same as Stage 3	400 psf / 5000 lb wheel <sup>2,3</sup>
5		3x14 joists @ 10" o.c. / all else as shown on plan	3x16 joists @ 16" o.c. or 4x16 joists @ 24" o.c. / 7" x 8 1/8" GLC 14WF38 beam	250 psf / 3000 lb wheel <sup>2,3</sup>
6		Same as Stage 5	Same as Stage 5	250 psf / 3000 lb wheel <sup>2,3</sup>
7		Slab-on-grade (6" thickness verified, reinforcement not verified)	Existing plans N/A	400 psf / 5000 lb wheel <sup>2,3</sup>

1 Floor framing for this stage is pit framing. Floor is primarily slab-on-grade.

2 Minimum wheel contact area = 8" x 8".

3 Capacity based on a minimum wheelbase of 5'-0" side-to-side and 7'-0" front-to-back.

**The Lot - Stage Grid Capacity Matrix**

Stage	Grid Framing		
	Existing	Per Plans	Superimposed LL Capacity
1	As shown on plan	3 1/8"x12" GLB @ 3'-0" o.c. / 4x12 @ 1/4 pts / 4x6 @ 18" o.c.	35 psf / 1200 lb conc. <sup>4</sup>
2	Same as Stage 1	Same as Stage 1	35 psf / 1200 lb conc. <sup>4</sup>
3	As shown on plan	3 1/8"x12" GLB @ 3'-0" o.c. / 4x12 @ 1/4 pts / 4x6 @ 18" o.c.	35 psf / 1200 lb conc. <sup>4</sup>
4	Same as Stage 3	Same as Stage 3	35 psf / 1200 lb conc. <sup>4</sup>
5	2x12 joists @ 3'-0" o.c. / 4x10 beams @ 5'-0" o.c.	Existing plans N/A	25 psf / 900 lb conc. <sup>4</sup>
6	Same as Stage 5	Existing plans N/A	25 psf / 900 lb conc. <sup>4</sup>
7	As shown on plan	4x6 & 4x12 joists @ 18" o.c. / 4x12 beams @ 4'-6" o.c.	35 psf / 1200 lb conc. <sup>4</sup>

4 If a concentrated load is used, a clear area around the load must be provided. For both the 900 and 1200-lb concentrated loads, the clear area around the load must be 36ft(2).