

MegaSPAN COMPOSITE FLOORING SYSTEM	Building Type:		Residential			Span Tables 		
	SIDL:		31.25 psf			Load Resistance Factor Design		
	LL:		40 psf			Imperial		
	20 Ga. Steel deck thickness							
	Maximum allowable single span in feet (ft.)							
Rib Rebar	Total slab thickness (in.)							
	10.5	11	11.5	12	12.5	13	13.5	14
#3	20.00	20.25	20.50	21.00	21.25	21.50	22.00	22.25
#4	21.50	22.00	22.25	22.50	22.75	23.25	23.50	24.00
#5	23.25	23.50	24.00	24.50	24.75	25.00	25.50	25.65
#6	25.50	25.75	26.00	26.50	27.00	27.25	27.50	27.75
#7	27.25	27.75	28.25	28.75	29.00	29.50	29.75	30.00
#8	29.50	30.00	30.50	31.00	31.25	31.50	32.00	32.25
#9	29.75	31.00	31.50	32.50	33.50	34.00	34.25	34.50
#10	30.00	31.50	33.00	34.00	36.13	36.20	37.00	37.50
#11	30.50	32.00	33.50	35.00	36.40	37.50	39.00	39.20

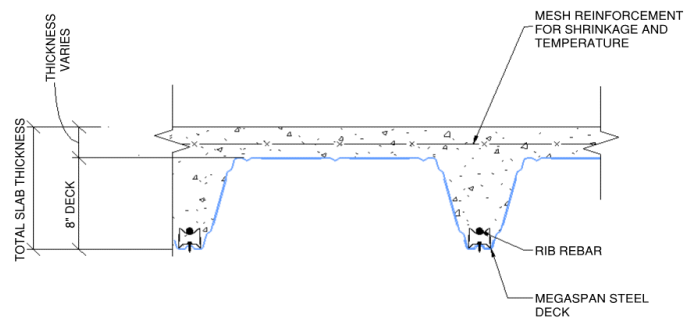
MegaSPAN COMPOSITE FLOORING SYSTEM	Building Type: Residential					Span Tables 		
	SIDL: 31.25 psf					Load Resistance Factor Design		
	LL: 40 psf					Imperial		
	18 Ga. Steel deck thickness							
	Maximum allowable single span in feet (ft.)							
Rib Rebar	Total slab thickness (in.)							
	10.5	11	11.5	12	12.5	13	13.5	14
#3	21.50	22.00	22.50	22.75	23.25	23.50	23.75	24.15
#4	23.00	23.50	24.00	24.25	24.75	25.00	25.25	25.50
#5	24.50	25.00	25.50	26.00	26.50	26.75	27.00	27.25
#6	26.50	27.00	27.50	28.00	28.25	28.50	29.00	29.25
#7	28.50	29.00	29.50	29.75	30.25	30.50	31.00	31.50
#8	29.00	31.00	31.50	32.00	32.50	33.00	33.25	33.50
#9	29.50	31.15	33.75	34.00	34.50	35.00	35.50	35.88
#10	30.00	31.50	33.00	34.63	36.60	37.63	38.13	38.20
#11	31.00	32.50	34.00	35.36	36.62	37.68	38.20	39.33

MegaSPAN COMPOSITE FLOORING SYSTEM	Building Type: Residential					Span Tables 		
	SIDL: 31.25 psf					Load Resistance Factor Design		
	LL: 40 psf					Imperial		
	16 Ga. Steel deck thickness							
	Maximum allowable single span in feet (ft.)							
Rib Rebar	Total slab thickness (in.)							
	10.5	11	11.5	12	12.5	13	13.5	14
#3	27.25	29.50	30.50	31.00	31.50	32.50	33.00	33.50
#4	27.50	29.00	31.50	32.00	32.50	33.00	33.50	34.50
#5	28.00	29.50	31.00	33.00	34.00	34.50	35.00	35.50
#6	28.50	30.00	31.50	33.00	35.00	35.75	36.38	37.00
#7	29.00	30.50	32.00	33.50	35.20	36.80	38.00	37.90
#8	29.50	31.00	32.50	34.00	35.60	36.90	37.90	39.40
#9	30.00	31.50	33.00	34.50	36.14	37.32	38.34	39.45
#10	30.50	32.25	33.50	35.00	36.70	37.77	38.77	39.59
#11	31.00	32.75	34.25	36.00	37.19	38.27	39.00	39.95

TABLE NOTES:

1. Values are based on normal concrete density = 145 pcf and concrete yield strength = 4,350 psi.
2. Deflection criteria considered is L/360 based on ANSI C-2017.
3. Load calculations are based on AISI S100-2016.
4. Wire mesh reinforcement size: 152X152 MW 18.7X18.7 to prevent shrinkage and temperature cracks.
5. Please refer to Megaspans tables for more loading combinations or contact us at contact@cpt-group.ca for specific load requirements.

TYPICAL MEGASPAN PROFILE



MegaSPAN COMPOSITE FLOORING SYSTEM	Building Type: Commercial					Span Tables 		
	SIDL: 31.25 psf					Load Resistance Factor Design		
	LL: 100 psf					Imperial		
	20 Ga. Steel deck thickness							
	Maximum allowable single span in feet (ft.)							
Rib Rebar	Total slab thickness (in.)							
	10.5	11	11.5	12	12.5	13	13.5	14
#3	15.50	16.00	16.50	17.00	17.45	17.75	18.00	18.25
#4	16.85	17.25	17.75	18.25	18.75	19.00	19.25	19.75
#5	18.50	18.75	19.25	19.75	20.25	20.50	20.75	21.25
#6	20.00	20.50	21.00	21.50	21.75	22.25	22.50	23.00
#7	21.75	22.75	22.75	23.25	23.50	24.00	24.50	24.75
#8	23.25	24.00	24.50	25.00	25.50	25.75	26.25	26.75
#9	24.00	25.75	26.25	26.75	27.25	27.75	28.25	28.75
#10	24.50	25.85	27.00	28.25	29.50	30.00	30.50	31.00
#11	25.00	26.25	27.50	28.75	30.00	31.25	32.65	33.15

MegaSPAN COMPOSITE FLOORING SYSTEM	Building Type: Commercial					Span Tables 		
	SIDL: 31.25 psf					Load Resistance Factor Design		
	LL: 100 psf					Imperial		
	18 Ga. Steel deck thickness							
	Maximum allowable single span in feet (ft.)							
Rib Rebar	Total slab thickness (in.)							
	10.5	11	11.5	12	12.5	13	13.5	14
#3	16.75	17.50	18.00	18.40	18.75	19.25	19.50	19.75
#4	18.00	18.50	19.00	19.50	19.50	20.25	20.75	21.15
#5	19.25	20.00	20.50	21.00	21.35	21.75	22.25	22.50
#6	20.85	21.50	22.00	22.50	23.00	23.25	23.75	24.15
#7	22.50	23.00	23.50	24.00	24.50	25.00	25.50	25.85
#8	24.00	24.40	25.25	25.75	26.25	26.75	27.25	27.75
#9	24.15	25.25	27.00	27.50	28.00	28.50	29.00	29.50
#10	24.50	26.00	27.15	28.25	29.50	30.50	31.00	31.50
#11	25.00	26.50	27.50	29.00	30.00	31.25	32.50	33.75

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	SIDL: 31.25 psf					Load Resistance Factor Design		
	LL: 100 psf					Imperial		
	16 Ga. Steel deck thickness							
	Maximum allowable single span in feet (ft.)							
Rib Rebar	Total slab thickness (in.)							
	10.5	11	11.5	12	12.5	13	13.5	14
#3	22.50	23.50	24.25	25.00	25.75	26.25	27.00	27.50
#4	22.65	24.00	25.00	25.75	26.50	27.25	27.75	28.25
#5	23.00	24.15	25.50	26.75	27.50	28.00	28.75	29.25
#6	23.25	24.50	25.75	27.00	28.50	29.25	29.75	30.50
#7	23.75	25.00	26.25	27.50	28.75	30.50	31.00	31.75
#8	24.00	25.25	26.75	27.75	29.00	30.25	31.50	33.00
#9	24.50	25.75	27.00	28.50	29.50	31.00	32.00	33.25
#10	25.00	26.25	27.50	28.75	30.25	31.50	32.50	34.00
#11	25.50	26.75	28.00	29.50	30.75	32.00	33.25	34.50

TABLE NOTES:

1. Values are based on normal concrete density = 145 pcf and concrete yield strength = 4,350 psi.
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