

MegaSPAN COMPOSITE FLOORING SYSTEM	Building Type:		Residential			Span Tables 			
	SIDL:		21 psf			Limit State 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	
10M	21.82	22.15	22.47	22.80	22.97	23.30	22.97	24.28	
15M	24.44	24.77	25.10	25.43	25.76	25.92	26.08	26.41	
20M	26.74	27.07	27.40	27.72	28.05	28.38	28.71	28.87	
25M	30.68	31.17	31.33	31.83	31.99	32.32	32.65	32.97	
30M	32.15	33.14	35.27	35.43	35.76	36.09	36.42	36.58	
35M	33.47	35.11	36.75	38.06	39.21	39.70	39.54	40.52	

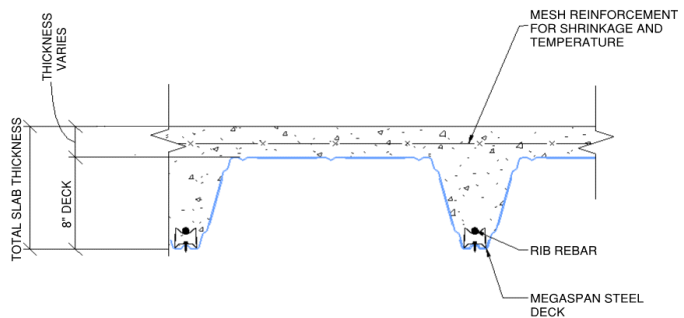
MegaSPAN COMPOSITE FLOORING SYSTEM	Building Type: Residential			Span Tables 				
	SIDL: 21 psf			Limit State Design				
	LL: 40 psf			Imperial				
	18 Ga. Steel deck thickness							
	Maximum allowable single span in feet (ft.)							
Rib Rebar	Total slab thickness (in.)							
	10.5	11	11.5	12	12.5	13	13.5	14
10M	23.46	23.79	24.12	24.44	24.77	24.94	25.43	25.76
15M	26.08	26.25	26.74	27.07	27.23	27.40	27.89	28.05
20M	27.89	28.54	28.71	29.04	29.36	29.69	30.02	30.19
25M	31.66	32.32	32.65	32.97	33.30	33.96	34.29	34.61
30M	33.30	34.94	35.93	36.75	37.24	37.40	37.90	38.06
35M	33.47	35.11	36.75	38.39	39.54	40.52	40.85	41.01

MegaSPAN COMPOSITE FLOORING SYSTEM	Building Type: Residential					Span Tables 		
	SIDL: 21 psf					Limit State 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
10M	29.86	31.66	32.32	32.97	33.63	33.96	34.45	34.94
15M	30.51	32.15	33.96	34.61	35.27	35.93	36.26	36.58
20M	31.17	32.81	34.45	36.26	36.58	37.24	37.73	38.39
25M	32.15	33.79	35.43	37.08	38.72	39.70	40.19	3.61
30M	32.81	34.45	36.09	38.06	39.37	41.01	41.34	41.83
35M	33.79	35.76	37.40	39.04	40.03	41.83	42.00	45.28

TABLE NOTES:

- Values are based on normal concrete density = 145 pcf and concrete yield strength = 4,350 psi.
- Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
- Load calculations are based on CSSBI 12M - 2019: Standard for Composite Steel Deck.
- Wire mesh reinforcement size: 152X152 MW 18.7X18.7 to prevent shrinkage and temperature cracks.
- Please refer to Megaspans tables for more loading combinations or contact us at contact@cpt-group.ca for specific load requirements.

TYPICAL MEGASPAN SYSTEM



MegaSPAN COMPOSITE FLOORING SYSTEM	Building Type: Commercial					Span Tables 		
	SIDL: 21 psf					Limit State 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
10M	16.41	17.06	17.23	18.05	18.37	18.70	19.03	19.19
15M	18.54	19.19	19.85	20.01	20.34	20.67	21.16	21.33
20M	20.51	21.00	21.33	21.98	22.31	22.64	22.97	23.30
25M	23.62	24.28	24.61	25.26	25.59	25.92	26.25	26.58
30M	24.94	26.25	27.56	27.89	28.38	28.87	29.20	29.53
35M	25.92	27.23	28.54	29.69	30.84	32.32	32.81	33.63

MegaSPAN COMPOSITE FLOORING SYSTEM	Building Type: Commercial						Span Tables 	
	SIDL: 21 psf		Limit State 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
10M	17.78	18.37	18.87	19.19	19.69	20.01	20.15	20.67
15M	19.69	20.34	20.51	21.16	21.65	22.15	22.31	22.64
20M	21.33	21.98	22.44	22.97	23.30	23.79	24.05	24.61
25M	24.28	24.94	25.76	25.92	26.58	26.90	27.23	27.72
30M	25.72	26.25	27.56	28.54	29.20	29.69	29.86	30.51
35M	25.93	27.23	28.54	29.86	31.17	32.32	33.47	33.96

MegaSPAN COMPOSITE FLOORING SYSTEM	Building Type: Commercial					Span Tables 		
	SIDL:		21 psf			Limit State 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
10M	23.30	24.61	25.26	25.92	26.58	27.23	27.89	28.38
15M	23.79	24.94	26.25	27.40	28.05	28.71	29.20	29.69
20M	24.12	25.43	26.74	28.05	29.20	29.86	30.51	31.01
25M	25.10	26.08	27.40	28.71	30.02	31.33	32.81	33.30
30M	25.43	26.74	28.05	29.36	30.68	31.99	33.30	34.61
35M	26.25	27.72	29.04	30.35	31.66	32.97	34.29	35.60

TABLE NOTES:

- Values are based on normal concrete density = 145 pcf and concrete yield strength = 4,350 psi.
- Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
- Load calculations are based on CSSBI 12M - 2019: Standard for Composite Steel Deck.
- Wire mesh reinforcement size: 152X152 MW 18.7X18.7 to prevent shrinkage and temperature cracks.
- Please refer to Megaspans tables for more loading combinations or contact us at contact@cpt-group.ca for specific load requirements.

TYPICAL MEGASPAN SYSTEM

