MegaSPAN COMPOSITE FLOORING SYSTEM	Building Type:	Residential	Span Tables
	SIDL:	1 kPa	Limit State Design
	LL:	1.92 kPa	Metric
	20 Ga. Steel deck thickness		
	Maximum allowable single span in feet (m)		

Rib Rebar	Total slab thickness (mm)							
	267	279	292	305	318	330	343	356
10M	6.65	6.75	6.85	6.95	7.00	7.10	7.00	7.40
15M	7.45	7.55	7.65	7.75	7.85	7.90	7.95	8.05
20M	8.15	8.25	8.35	8.45	8.55	8.65	8.75	8.80
25M	9.35	9.50	9.55	9.70	9.75	9.85	9.95	10.05
30M	9.80	10.10	10.75	10.80	10.90	11.00	11.10	11.15
35M	10.20	10.70	11.20	11.60	11.95	12.10	12.05	12.35

MegaSPAN COMPOSITE FLOORING SYSTEM	Building Type:	Residential	Span Tables
	SIDL:	1 kPa	Limit State Design
	LL:	1.92 kPa	Metric
	18 Ga. Steel deck thickness		
	Maximum allowable single span in feet (m)		

Rib Rebar	Total slab thickness (mm)							
	267	279	292	305	318	330	343	356
10M	7.15	7.25	7.35	7.45	7.55	7.60	7.75	7.85
15M	7.95	8.00	8.15	8.25	8.30	8.35	8.50	8.55
20M	8.50	8.70	8.75	8.85	8.95	9.05	9.15	9.20
25M	9.65	9.85	9.95	10.05	10.15	10.35	10.45	10.55
30M	10.15	10.65	10.95	11.20	11.35	11.40	11.55	11.60
35M	10.20	10.70	11.20	11.70	12.05	12.35	12.45	12.50

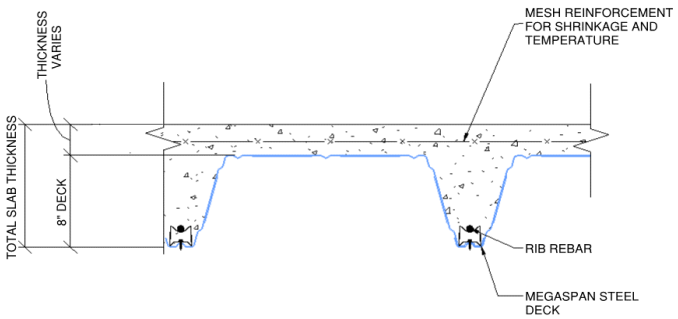
MegaSPAN COMPOSITE FLOORING SYSTEM	Building Type:	Residential	Span Tables
	SIDL:	1 kPa	Limit State Design
	LL:	1.92 kPa	Metric
	16 Ga. Steel deck thickness		
	Maximum allowable single span in feet (m)		

Rib Rebar	Total slab thickness (mm)							
	267	279	292	305	318	330	343	356
10M	9.10	9.65	9.85	10.05	10.25	10.35	10.50	10.65
15M	9.30	9.80	10.35	10.55	10.75	10.95	11.05	11.15
20M	9.50	10.00	10.50	11.05	11.15	11.35	11.50	11.70
25M	9.80	10.30	10.80	11.30	11.80	12.10	12.25	1.10
30M	10.00	10.50	11.00	11.60	12.00	12.50	12.60	12.75
35M	10.30	10.90	11.40	11.90	12.20	12.75	12.80	13.80

TABLE NOTES:

1. Values are based on normal concrete density = 2400 kg/m^3 and concrete yield strength = 30 MPa
2. Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
3. Load calculations are based on CSSBI 12M - 2019: Standard for Composite Steel Deck.
4. Wire mesh reinforcement size: 152X152 MW 18.7X18.7 to prevent shrinkage and temperature cracks.
5. Please refer to Megaspan 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:	1 kPa				Limit State Design	
	LL:	4.8 kPa				Metric	
	20 Ga. Steel deck thickness						
	Maximum allowable single span in feet (m)						
Rib Rebar	Total slab thickness (mm)						
	267	279	292	305	318	330	343	356
10M	5.00	5.20	5.25	5.50	5.60	5.70	5.80	5.85
15M	5.65	5.85	6.05	6.10	6.20	6.30	6.45	6.50
20M	6.25	6.40	6.50	6.70	6.80	6.90	7.00	7.10
25M	7.20	7.40	7.50	7.70	7.80	7.90	8.00	8.10
30M	7.60	8.00	8.40	8.50	8.65	8.80	8.90	9.00
35M	7.90	8.30	8.70	9.05	9.40	9.85	10.00	10.25

MegaSPAN COMPOSITE FLOORING SYSTEM	Building Type:	Commercial				Span Tables	
	SIDL:	1 kPa				Limit State Design	
	LL:	4.8 kPa				Metric	
	18 Ga. Steel deck thickness						
	Maximum allowable single span in feet (m)						
Rib Rebar	Total slab thickness (mm)						
	267	279	292	305	318	330	343	356
10M	5.42	5.60	5.75	5.85	6.00	6.10	6.14	6.30
15M	6.00	6.20	6.25	6.45	6.60	6.75	6.80	6.90
20M	6.50	6.70	6.84	7.00	7.10	7.25	7.33	7.50
25M	7.40	7.60	7.85	7.90	8.10	8.20	8.30	8.45
30M	7.84	8.00	8.40	8.70	8.90	9.05	9.10	9.30
35M	7.90	8.30	8.70	9.10	9.50	9.85	10.20	10.35

MegaSPAN COMPOSITE FLOORING SYSTEM	Building Type:	Commercial				Span Tables	
	SIDL:	1 kPa				Limit State Design	
	LL:	4.8 kPa				Metric	
	16 Ga. Steel deck thickness						
	Maximum allowable single span in feet (m)						
Rib Rebar	Total slab thickness (mm)						
	267	279	292	305	318	330	343	356
10M	7.10	7.50	7.70	7.90	8.10	8.30	8.50	8.65
15M	7.25	7.60	8.00	8.35	8.55	8.75	8.90	9.05
20M	7.35	7.75	8.15	8.55	8.90	9.10	9.30	9.45
25M	7.65	7.95	8.35	8.75	9.15	9.55	10.00	10.15
30M	7.75	8.15	8.55	8.95	9.35	9.75	10.15	10.55
35M	8.00	8.45	8.85	9.25	9.65	10.05	10.45	10.85

TABLE NOTES:

1. Values are based on normal concrete density = 2400 kg/m^3 and concrete yield strength = 30 MPa
2. Deflection criteria considred is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
3. Load calculations are based on CSSBI 12M - 2019: Standard for Composite Steel Deck.
4. Wire mesh reinforcement size: 152X152 MW 18.7X18.7 to prevent shrinkage and temperature cracks.
5. Please refer to Megaspan tables for more loading combinations or contact us at contact@cpt-group.ca for specific load requirements.

TYPICAL MEGASPAN SYSTEM