

MegaSPAN COMPOSITE FLOORING SYSTEM	20 Ga. Steel deck thickness					Design Data 		
						Load Resistance Factor Design		
	Imperial							
#3 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.5	667.5	739.5	811.5	883.5	955.5	1,027.5	1,099.5
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.59	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	52.7	58.7	64.8	70.8	76.9	82.9	89.0	95.0
#4 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.5	667.5	739.5	811.5	883.5	955.5	1,027.5	1,099.5
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	52.8	58.9	64.9	71.0	77.0	83.1	89.1	95.1
#5 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.4	667.4	739.4	811.4	883.4	955.4	1,027.4	1,099.4
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	53.0	59.1	65.1	71.2	77.2	83.2	89.3	95.3
#6 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.3	667.3	739.3	811.3	883.3	955.3	1,027.3	1,099.3
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	53.3	59.3	65.3	71.4	77.4	83.5	89.5	95.5
#7 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.3	667.3	739.3	811.3	883.3	955.3	1,027.3	1,099.3
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	53.5	59.6	65.6	71.6	77.7	83.7	89.8	95.8
#8 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.2	667.2	739.2	811.2	883.2	955.2	1,027.2	1,099.2
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	53.8	59.9	65.9	71.9	78.0	84.0	90.1	96.1
#9 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.1	667.1	739.1	811.1	883.1	955.1	1,027.1	1,099.1
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	54.2	60.2	66.3	72.3	78.3	84.4	90.4	96.5
#10 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	594.9	666.9	738.9	810.9	882.9	954.9	1,026.9	1,098.9
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	54.6	60.7	66.7	72.7	78.8	84.8	90.9	96.9
#11 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	594.8	666.8	738.8	810.8	882.8	954.8	1,026.8	1,098.8
Concrete volume (yd. ³ / 100 ft. ²)	1.27	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	55.1	61.2	67.2	73.2	79.3	85.3	91.4	97.4

TABLE NOTES:

- "Total Slab Weight" in the above tables includes steel deck, reinforcement bar, and concrete on deck. It does not include the reinforcing bar and concrete located on bearing elements such as walls or beams.
- Values are based on Normal Concrete Density = 145 pcf.

MegaSPAN COMPOSITE FLOORING SYSTEM	18 Ga. Steel deck thickness					Design Data 		
						Load Resistance Factor Design		
	Imperial							
#3 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.5	667.5	739.5	811.5	883.5	955.5	1,027.5	1,099.5
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.59	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	53.1	59.2	65.2	71.2	77.3	83.3	89.4	95.4
#4 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.5	667.5	739.5	811.5	883.5	955.5	1,027.5	1,099.5
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	53.3	59.3	65.3	71.4	77.4	83.5	89.5	95.5
#5 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.4	667.4	739.4	811.4	883.4	955.4	1,027.4	1,099.4
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	53.4	59.5	65.5	71.6	77.6	83.6	89.7	95.7
#6 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.3	667.3	739.3	811.3	883.3	955.3	1,027.3	1,099.3
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	53.7	59.7	65.7	71.8	77.8	83.9	89.9	96.0
#7 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.3	667.3	739.3	811.3	883.3	955.3	1,027.3	1,099.3
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	53.9	60.0	66.0	72.1	78.1	84.1	90.2	96.2
#8 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.2	667.2	739.2	811.2	883.2	955.2	1,027.2	1,099.2
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	54.2	60.3	66.3	72.4	78.4	84.4	90.5	96.5
#9 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.1	667.1	739.1	811.1	883.1	955.1	1,027.1	1,099.1
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	54.6	60.6	66.7	72.7	78.8	84.8	90.8	96.9
#10 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	594.9	666.9	738.9	810.9	882.9	954.9	1,026.9	1,098.9
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	55.0	61.1	67.1	73.2	79.2	85.2	91.3	97.3
#11 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	594.8	666.8	738.8	810.8	882.8	954.8	1,026.8	1,098.8
Concrete volume (yd. ³ / 100 ft. ²)	1.27	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	55.5	61.6	67.6	73.6	79.7	85.7	91.8	97.8

TABLE NOTES:

1. "Total Slab Weight" in the above tables includes steel deck, reinforcement bar, and concrete on deck. It does not include the reinforcing bar and concrete located on bearing elements such as walls or beams.
2. Values are based on Normal Concrete Density = 145 pcf.

MegaSPAN COMPOSITE FLOORING SYSTEM	16 Ga. Steel deck thickness					Design Data 		
						Load Resistance Factor Design		
	Imperial							
	#3 Nominal Rebar Size							
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.5	667.5	739.5	811.5	883.5	955.5	1,027.5	1,099.5
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.59	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	53.8	59.9	65.9	71.9	78.0	84.0	90.1	96.1
#4 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.5	667.5	739.5	811.5	883.5	955.5	1,027.5	1,099.5
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	54.0	60.0	66.1	72.1	78.1	84.2	90.2	96.3
#5 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.4	667.4	739.4	811.4	883.4	955.4	1,027.4	1,099.4
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	54.2	60.2	66.2	72.3	78.3	84.4	90.4	96.4
#6 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.3	667.3	739.3	811.3	883.3	955.3	1,027.3	1,099.3
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	54.4	60.4	66.5	72.5	78.5	84.6	90.6	96.7
#7 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.3	667.3	739.3	811.3	883.3	955.3	1,027.3	1,099.3
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	54.6	60.7	66.7	72.8	78.8	84.8	90.9	96.9
#8 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.2	667.2	739.2	811.2	883.2	955.2	1,027.2	1,099.2
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	54.9	61.0	67.0	73.1	79.1	85.2	91.2	97.2
#9 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	595.1	667.1	739.1	811.1	883.1	955.1	1,027.1	1,099.1
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	55.3	61.3	67.4	73.4	79.5	85.5	91.6	97.6
#10 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	594.9	666.9	738.9	810.9	882.9	954.9	1,026.9	1,098.9
Concrete volume (yd. ³ / 100 ft. ²)	1.28	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	55.7	61.8	67.8	73.9	79.9	86.0	92.0	98.0
#11 Nominal Rebar Size								
Total slab thickness (in.)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Concrete volume (in. ³ /ft. ²)	594.8	666.8	738.8	810.8	882.8	954.8	1,026.8	1,098.8
Concrete volume (yd. ³ / 100 ft. ²)	1.27	1.43	1.58	1.74	1.89	2.05	2.20	2.36
Total slab weight (psf)	56.2	62.3	68.3	74.4	80.4	86.4	92.5	98.5

TABLE NOTES:

- "Total Slab Weight" in the above tables includes steel deck, reinforcement bar, and concrete on deck. It does not include the reinforcing bar and concrete located on bearing elements such as walls or beams.
- Values are based on Normal Concrete Density = 145 pcf.