

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.0375 in Nominal Rebar Size 10M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	15.8	15.2	14.7	14.3	13.9	13.5	13.2	12.8
Concrete volume (in ³ /ft ²)	595.5	667.5	739.5	811.5	883.5	955.5	1,027.5	1,099.5
Total slab weight (psf)	52.8	58.8	64.9	70.9	76.9	83.0	89.0	95.1
Total moment resistance (kips.ft/ft)	9.4	10.2	11.0	11.8	12.6	13.4	14.2	15.1
Total moment of inertia (in ⁴)	32.9	38.2	43.9	50.1	56.9	64.3	72.4	81.2
Span (ft)	Maximum specified load (psf)							
15.0	178	193	207	221	235	249	264	278
15.5	164	177	190	203	216	229	242	255
16.0	152	163	175	187	199	211	223	235
16.5	140	151	162	172	183	194	205	216
17.0	129	139	149	159	169	179	189	199
17.5	119	129	138	147	156	165	174	183
18.0	111	119	127	135	144	152	160	169
18.5	102	110	117	125	133	140	148	156
19.0	95	102	109	116	122	129	136	143
19.5	88	94	100	107	113	119	126	132
20.0	81	87	93	99	104	110	116	122
20.5	75	80	86	91	96	101	107	112
21.0	70	74	79	84	89	93	98	103
21.5	64	69	73	77	82	86	90	95
22.0	59	63	67	71	75	79	83	87
22.5	55	58	62	65	69	72	76	80
23.0	51	54	57	60	63	66	70	73
23.5	47	49	52	55	58	61	64	66
24.0	43	45	48	50	53	55	58	60
24.5	39	42	44	46	48	50	52	55
25.0	36	38	40	42	44	46	47	49
25.5	33	35	36	38	40	41	43	44
26.0	30	31	33	34	36	37	38	40
26.5	27	28	30	31	32	33	34	35
27.0	25	26	27	27	28	29	30	31
27.5	22	23	24	24	25	26	26	27
28.0		20	21	21	22	22	23	23
28.5								
29.0								
29.5								
30.0								
30.5								
31.0								
31.5								
32.0								
32.5								

TABLES NOTES:

1. Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
2. Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
3. Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
4. Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
5. Values are based on Normal Concrete Density = 145 pcf.
6. "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.0375 in Nominal Rebar Size 15M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	15.8	15.2	14.7	14.3	13.9	13.5	13.2	12.8
Concrete volume (in ³ /ft ²)	595.4	667.4	739.4	811.4	883.4	955.4	1,027.4	1,099.4
Total slab weight (psf)	53.0	59.1	65.1	71.2	77.2	83.2	89.3	95.3
Total moment resistance (kips.ft/ft)	11.9	12.8	13.8	14.8	15.8	16.7	17.7	18.7
Total moment of inertia (in ⁴)	35.7	41.3	47.4	54.1	61.3	69.1	77.6	86.9
Span (ft)	Maximum specified load (psf)							
15.0	237	255	273	291	309	327	345	363
15.5	219	236	253	269	286	302	319	335
16.0	203	218	234	249	264	279	295	310
16.5	188	202	217	231	245	259	273	287
17.0	175	188	201	214	227	240	252	265
17.5	163	175	186	198	210	222	234	246
18.0	151	162	173	184	195	206	217	228
18.5	141	151	161	171	181	191	202	212
19.0	131	141	150	159	169	178	187	197
19.5	122	131	140	148	157	165	174	183
20.0	114	122	130	138	146	154	162	170
20.5	107	114	121	128	136	143	150	158
21.0	99	106	113	120	126	133	140	147
21.5	93	99	105	111	118	124	130	136
22.0	87	92	98	104	109	115	121	126
22.5	81	86	91	97	102	107	112	117
23.0	76	80	85	90	95	99	104	109
23.5	71	75	79	84	88	92	97	101
24.0	66	70	74	78	82	86	90	94
24.5	61	65	69	72	76	79	83	87
25.0	57	60	64	67	70	74	77	80
25.5	53	56	59	62	65	68	71	74
26.0	50	52	55	57	60	63	65	68
26.5	46	48	51	53	55	58	60	63
27.0	43	45	47	49	51	53	55	57
27.5	40	41	43	45	47	49	51	52
28.0	37	38	40	41	43	45	46	48
28.5	34	35	37	38	39	41	42	43
29.0	31	32	33	35	36	37	38	39
29.5	29	30	31	31	32	33	34	35
30.0	26	27	28	28	29	30	31	31
30.5	24	25	25	26	26	27	27	28
31.0	22	22	23	23	23	24	24	24
31.5			20	20	20	21	21	21
32.0								
32.5								

TABLES NOTES:

1. Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
2. Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
3. Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
4. Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
5. Values are based on Normal Concrete Density = 145 pcf.
6. "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.0375 in Nominal Rebar Size 20M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	15.8	15.2	14.7	14.3	13.9	13.5	13.2	12.8
Concrete volume (in ³ /ft ²)	595.3	667.3	739.3	811.3	883.3	955.3	1,027.3	1,099.3
Total slab weight (psf)	53.3	59.3	65.3	71.4	77.4	83.5	89.5	95.5
Total moment resistance (kips.ft/ft)	14.0	15.1	16.3	17.4	18.5	19.6	20.7	21.8
Total moment of inertia (in ⁴)	37.9	43.9	50.3	57.3	64.9	73.1	82.1	91.8
Span (ft)	Maximum specified load (psf)							
15.0	288	310	331	352	374	395	417	438
15.5	267	287	307	326	346	366	386	405
16.0	248	266	284	303	321	339	357	375
16.5	231	247	264	281	298	315	331	348
17.0	215	230	246	261	277	292	308	323
17.5	200	214	229	243	258	272	286	301
18.0	187	200	213	227	240	253	267	280
18.5	174	187	199	211	224	236	248	261
19.0	163	174	186	197	209	220	232	243
19.5	152	163	174	184	195	206	216	227
20.0	143	153	162	172	182	192	202	212
20.5	134	143	152	161	170	179	188	198
21.0	125	134	142	151	159	168	176	185
21.5	118	125	133	141	149	157	165	172
22.0	110	118	125	132	139	147	154	161
22.5	104	110	117	124	130	137	144	151
23.0	97	103	110	116	122	128	134	141
23.5	91	97	103	108	114	120	126	131
24.0	86	91	96	101	107	112	117	123
24.5	80	85	90	95	100	105	110	115
25.0	75	80	84	89	93	98	102	107
25.5	71	75	79	83	87	91	95	100
26.0	66	70	74	78	81	85	89	93
26.5	62	66	69	73	76	79	83	86
27.0	58	61	65	68	71	74	77	80
27.5	55	57	60	63	66	69	72	74
28.0	51	54	56	59	61	64	66	69
28.5	48	50	52	55	57	59	62	64
29.0	45	47	49	51	53	55	57	59
29.5	42	43	45	47	49	51	53	54
30.0	39	40	42	44	45	47	48	50
30.5	36	38	39	40	42	43	44	46
31.0	34	35	36	37	38	39	41	42
31.5	31	32	33	34	35	36	37	38
32.0	29	30	30	31	32	33	33	34
32.5	27	27	28	28	29	30	30	31

TABLES NOTES:

1. Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
2. Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
3. Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
4. Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
5. Values are based on Normal Concrete Density = 145 pcf.
6. "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.0375 in Nominal Rebar Size 25M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	15.8	15.2	14.7	14.3	13.9	13.5	13.2	12.8
Concrete volume (in ³ /ft ²)	595.2	667.2	739.2	811.2	883.2	955.2	1,027.2	1,099.2
Total slab weight (psf)	53.8	59.9	65.9	71.9	78.0	84.0	90.1	96.1
Total moment resistance (kips.ft/ft)	19.3	20.7	22.2	23.7	25.2	26.7	28.1	29.6
Total moment of inertia (in ⁴)	43.1	49.8	57.1	64.9	73.4	82.5	92.4	103.1
Span (ft)	Maximum specified load (psf)							
15.0	412	442	472	502	532	562	592	622
15.5	383	410	438	466	494	522	550	577
16.0	356	382	408	434	460	485	511	537
16.5	332	356	380	404	428	452	476	500
17.0	311	333	355	377	400	422	444	467
17.5	291	311	332	353	374	394	415	436
18.0	272	292	311	330	350	369	388	408
18.5	255	273	291	309	327	345	363	382
19.0	240	257	273	290	307	324	341	358
19.5	225	241	257	272	288	304	320	335
20.0	212	227	241	256	271	285	300	315
20.5	200	213	227	241	255	268	282	296
21.0	188	201	214	227	240	252	265	278
21.5	177	189	201	214	226	238	250	262
22.0	167	179	190	201	213	224	235	246
22.5	158	169	179	190	200	211	221	232
23.0	149	159	169	179	189	199	209	219
23.5	141	150	160	169	178	188	197	206
24.0	134	142	151	160	168	177	186	194
24.5	126	134	143	151	159	167	175	183
25.0	120	127	135	142	150	158	165	173
25.5	113	120	127	134	142	149	156	163
26.0	107	114	120	127	134	140	147	154
26.5	101.2d	108	114	120	126	133	139	145
27.0	95.7d	102	108	113	119	125	131	137
27.5	90.6d	96	102	107	113	118	123	129
28.0	85.8d	91	96	101	106	111	116	121
28.5	81.4d	86	91	96	100	105	110	114
29.0	77.3d	82	86	90	95	99	103	108
29.5	73	77	81	85	89	93	97	102
30.0	69	73	77	81	84	88	92	96
30.5	66	69	73	76	79	83	86	90
31.0	62	65	68	72	75	78	81	84
31.5	59	62	65	68	70	73	76	79
32.0	56	58	61	64	66	69	72	74
32.5	52	55	57	60	62	65	67	70

TABLES NOTES:

1. Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
2. Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
3. Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
4. Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
5. Values are based on Normal Concrete Density = 145 pcf.
6. "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.0375 in Nominal Rebar Size 30M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	15.8	15.2	14.7	14.3	13.9	13.5	13.2	12.8
Concrete volume (in ³ /ft ²)	595.0	667.0	739.0	811.0	883.0	955.0	1,027.0	1,099.0
Total slab weight (psf)	54.4	60.4	66.5	72.5	78.6	84.6	90.6	96.7
Total moment resistance (kips.ft/ft)	24.1	25.9	27.7	29.6	31.4	33.3	35.1	36.9
Total moment of inertia (in ⁴)	47.5	55.0	62.9	71.5	80.8	90.8	101.6	113.2
Span (ft)	Maximum specified load (psf)							
15.0	525	563	602	641	679	718	756	795
15.5	489	525	560	596	632	668	704	739
16.0	456	489	522	556	589	622	656	689
16.5	426	457	488	519	550	581	612	643
17.0	399	428	456	485	514	543	572	601
17.5	374	401	428	455	482	509	536	563
18.0	351	376	401	426	452	477	502	527
18.5	328d	353	377	400	424	448	471	495
19.0	302.8d	332	354	377	399	421	443	465
19.5	280.1d	313	334	354	375	396	417	438
20.0	259.6d	295	314	334	353	373	392	412
20.5	241.1d	278	297	315	333	352	370	388
21.0	224.2d	259.4d	280	297	315	332	349	366
21.5	209d	241.7d	265	281	297	313	329	346
22.0	195d	225.6d	250	266	281	296	311	326
22.5	182.3d	210.9d	237	251	266	280	294	309
23.0	170.7d	197.4d	224	238	251	265	278	292
23.5	160d	185.1d	212d	225	238	251	263	276
24.0	150.2d	173.8d	199d	213	225	237	249	261
24.5	141.2d	163.4d	187.1d	202	214	225	236	248
25.0	132.9d	153.8d	176.1d	192	203	213	224	235
25.5	125.3d	144.9d	165.9d	182	192	202	212	222
26.0	118.2d	136.7d	156.6d	173	182	192	201	211
26.5	111.6d	129.1d	147.9d	164	173	182	191	200
27.0	105.5d	122.1d	139.8d	156	164	173	181	190
27.5	99.9d	115.5d	132.3d	148	156	164	172	180
28.0	94.6d	109.5d	125.4d	141	148	156	163	171
28.5	89.7d	103.8d	118.9d	134	141	148	155	162
29.0	85.2d	98.5d	112.8d	127	134	140	147	154
29.5	80.9d	93.6d	107.2d	121	127	133	140	146
30.0	76.9d	89d	101.9d	115	121	127	133	138
30.5	73.2d	84.7d	97d	109	115	120	126	131
31.0	69.7d	80.7d	92.4d	104	109	114	119	124
31.5	66.5d	76.9d	88.1d	99	103	108	113	118
32.0	63.4d	73.3d	84d	94	98	103	107	112
32.5	60.5d	70d	80.2d	89	93	97	102	106

TABLES NOTES:

- Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
- Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
- Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
- Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
- Values are based on Normal Concrete Density = 145 pcf.
- "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.0375 in Nominal Rebar Size 35M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	15.8	15.2	14.7	14.3	13.9	13.5	13.2	12.8
Concrete volume (in ³ /ft ²)	594.8	666.8	738.8	810.8	882.8	954.8	1,026.8	1,098.8
Total slab weight (psf)	55.1	61.2	67.2	73.2	79.3	85.3	91.4	97.4
Total moment resistance (kips.ft/ft)	29.8	32.1	34.4	36.7	39.0	41.3	43.6	45.9
Total moment of inertia (in ⁴)	52.5	60.8	69.6	79.2	89.4	100.5	112.3	125.1
Span (ft)	Maximum specified load (psf)							
15.0	661	710	760	809	859	909	958	1008
15.5	616	662	708	754	800	846	893	939
16.0	560d	618	661	704	747	790	833	876
16.5	510.7d	578	618	658	698	739	779	819
17.0	466.9d	540.6d	579	617	654	692	729	767
17.5	428d	495.6d	543	578	614	649	684	719
18.0	393.3d	455.5d	511	543	576	609	642	675
18.5	362.3d	419.5d	480	511	542	573	604	635
19.0	334.5d	387.3d	443.8d	481	511	540	569	598
19.5	309.4d	358.2d	410.5d	454	481	509	536	563
20.0	286.8d	332d	380.5d	429	454	480	506	531
20.5	266.3d	308.3d	353.3d	401.7d	429	453	478	502
21.0	247.7d	286.8d	328.7d	373.7d	406	429	452	474
21.5	230.8d	267.3d	306.3d	348.2d	384	406	427	449
22.0	215.5d	249.5d	285.9d	325d	364	384	405	425
22.5	201.4d	233.2d	267.3d	303.8d	343.2d	364	384	403
23.0	188.6d	218.3d	250.2d	284.5d	321.3d	346	364	382
23.5	176.8d	204.7d	234.6d	266.7d	301.2d	328	345	363
24.0	166d	192.2d	220.2d	250.4d	282.8d	312	328	344
24.5	156d	180.6d	207d	235.3d	265.8d	296	312	327
25.0	146.8d	170d	194.8d	221.5d	250.2d	281.1d	296	311
25.5	138.4d	160.2d	183.6d	208.7d	235.8d	264.9d	282	296
26.0	130.6d	151.2d	173.2d	196.9d	222.4d	249.9d	268	281
26.5	123.3d	142.8d	163.6d	186d	210.1d	236d	255	268
27.0	116.6d	135d	154.7d	175.9d	198.6d	223.1d	243	255
27.5	110.3d	127.8d	146.4d	166.4d	188d	211.2d	232	243
28.0	104.5d	121d	138.7d	157.7d	178.1d	200.1d	221	231
28.5	99.1d	114.8d	131.5d	149.5d	168.9d	189.7d	210	221
29.0	94.1d	108.9d	124.8d	141.9d	160.3d	180.1d	201	210
29.5	89.4d	103.5d	118.6d	134.8d	152.3d	171.1d	191.3d	200
30.0	85d	98.4d	112.8d	128.2d	144.8d	162.7d	181.9d	191
30.5	80.9d	93.7d	107.3d	122d	137.8d	154.8d	173.1d	182
31.0	77d	89.2d	102.2d	116.2d	131.2d	147.4d	164.9d	174
31.5	73.4d	85d	97.4d	110.8d	125.1d	140.5d	157.1d	166
32.0	70d	81.1d	92.9d	105.6d	119.3d	134d	149.9d	158
32.5	66.9d	77.4d	88.7d	100.9d	113.9d	128d	143.1d	151

TABLES NOTES:

- Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
- Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
- Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
- Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
- Values are based on Normal Concrete Density = 145 pcf.
- "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.0435 in Nominal Rebar Size 10M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	16.6	16.1	15.8	15.4	15.1	14.9	14.5	14.2
Concrete volume (in ³ /ft ²)	595.5	667.5	739.5	811.5	883.5	955.5	1,027.5	1,099.5
Total slab weight (psf)	53.2	59.2	65.3	71.3	77.4	83.4	89.4	95.5
Total moment resistance (kips.ft/ft)	10.8	11.8	12.7	13.7	14.6	15.6	16.6	17.5
Total moment of inertia (in ⁴)	33.6	39.1	45.0	51.4	58.5	66.1	74.5	83.6
Span (ft)	Maximum specified load (psf)							
15.0	212	229	247	265	283	300	318	336
15.5	195	212	228	244	261	277	293	309
16.0	181	196	211	226	241	256	271	286
16.5	167	181	195	209	222	236	250	264
17.0	155	168	180	193	206	218	231	244
17.5	144	155	167	179	191	202	214	226
18.0	133	144	155	166	177	187	198	209
18.5	124	134	144	154	164	174	184	194
19.0	115	124	134	143	152	161	170	179
19.5	107	116	124	132	141	149	158	166
20.0	100	107	115	123	131	139	146	154
20.5	93	100	107	114	121	129	136	143
21.0	86	93	99	106	113	119	126	132
21.5	80	86	92	98	104	111	117	123
22.0	75	80	86	91	97	102	108	114
22.5	69	75	80	85	90	95	100	105
23.0	65	69	74	79	83	88	93	97
23.5	60	64	68	73	77	81	85	90
24.0	56	60	63	67	71	75	79	83
24.5	52	55	59	62	66	69	73	76
25.0	48	51	54	57	61	64	67	70
25.5	44	47	50	53	56	59	61	64
26.0	41	43	46	49	51	54	56	59
26.5	38	40	42	45	47	49	51	54
27.0	35	37	39	41	43	45	47	49
27.5	32	34	35	37	39	41	42	44
28.0	29	31	32	34	35	37	38	40
28.5	27	28	29	30	32	33	34	36
29.0	24	25	26	27	28	30	31	32
29.5	22	23	24	24	25	26	27	28
30.0		20	21	22	22	23	24	24
30.5							20	21
31.0								
31.5								
32.0								
32.5								

TABLES NOTES:

- Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
- Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
- Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
- Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
- Values are based on Normal Concrete Density = 145 pcf.
- "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.0435 in Nominal Rebar Size 15M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	16.6	16.1	15.8	15.4	15.1	14.9	14.5	14.2
Concrete volume (in ³ /ft ²)	595.4	667.4	739.4	811.4	883.4	955.4	1,027.4	1,099.4
Total slab weight (psf)	53.4	59.5	65.5	71.6	77.6	83.6	89.7	95.7
Total moment resistance (kips.ft/ft)	13.2	14.4	15.5	16.6	17.7	18.9	20.0	21.1
Total moment of inertia (in ⁴)	36.3	42.1	48.4	55.3	62.7	70.8	79.6	89.2
Span (ft)	Maximum specified load (psf)							
15.0	269	291	313	334	356	377	399	420
15.5	250	269	289	309	329	349	369	389
16.0	231	250	268	286	305	323	341	360
16.5	215	232	249	266	283	300	317	334
17.0	200	216	231	247	263	278	294	310
17.5	186	201	215	230	244	259	273	288
18.0	174	187	200	214	227	241	254	268
18.5	162	174	187	199	212	224	237	249
19.0	151	163	174	186	197	209	220	232
19.5	141	152	163	173	184	195	206	216
20.0	132	142	152	162	172	182	192	202
20.5	124	133	142	151	160	170	179	188
21.0	116	124	133	141	150	158	167	175
21.5	108	116	124	132	140	148	156	164
22.0	101	109	116	123	131	138	145	153
22.5	95	102	109	115	122	129	136	143
23.0	89	95	102	108	114	120	127	133
23.5	83	89	95	101	107	112	118	124
24.0	78	84	89	94	100	105	110	116
24.5	73	78	83	88	93	98	103	108
25.0	69	73	78	82	87	91	96	100
25.5	64	68	73	77	81	85	89	93
26.0	60	64	68	71	75	79	83	87
26.5	56	60	63	67	70	74	77	81
27.0	52	56	59	62	65	68	71	75
27.5	49	52	55	58	60	63	66	69
28.0	46	48	51	53	56	59	61	64
28.5	43	45	47	50	52	54	57	59
29.0	40	42	44	46	48	50	52	54
29.5	37	39	40	42	44	46	48	50
30.0	34	36	37	39	41	42	44	45
30.5	31	33	34	36	37	38	40	41
31.0	29	30	31	33	34	35	36	37
31.5	27	28	29	30	31	32	33	34
32.0	25	25	26	27	28	29	29	30
32.5	22	23	24	24	25	26	26	27

TABLES NOTES:

- Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
- Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
- Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
- Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
- Values are based on Normal Concrete Density = 145 pcf.
- "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.0435 in Nominal Rebar Size 20M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	16.6	16.1	15.8	15.4	15.1	14.9	14.5	14.2
Concrete volume (in ³ /ft ²)	595.3	667.3	739.3	811.3	883.3	955.3	1,027.3	1,099.3
Total slab weight (psf)	53.7	59.7	65.7	71.8	77.8	83.9	89.9	96.0
Total moment resistance (kips.ft/ft)	15.4	16.6	17.9	19.2	20.4	21.7	23.0	24.2
Total moment of inertia (in ⁴)	38.5	44.7	51.3	58.5	66.3	74.8	84.0	93.9
Span (ft)	Maximum specified load (psf)							
15.0	320	344	369	394	419	444	469	494
15.5	296	319	343	366	389	412	435	458
16.0	275	297	318	339	361	382	403	425
16.5	256	276	296	316	335	355	375	395
17.0	239	257	276	294	312	330	349	367
17.5	223	240	257	274	291	308	325	342
18.0	208	224	240	256	271	287	303	319
18.5	195	209	224	239	254	268	283	298
19.0	182	196	210	223	237	251	264	278
19.5	171	184	196	209	222	234	247	260
20.0	160	172	184	196	208	219	231	243
20.5	150	161	172	183	194	205	216	228
21.0	141	151	162	172	182	193	203	213
21.5	133	142	152	161	171	180	190	200
22.0	125	134	142	151	160	169	178	187
22.5	117	126	134	142	150	159	167	175
23.0	110	118	126	133	141	149	157	164
23.5	104	111	118	125	132	140	147	154
24.0	98	104	111	118	124	131	138	144
24.5	92	98	104	111	117	123	129	135
25.0	86	92	98	104	110	115	121	127
25.5	81	87	92	97	103	108	113	119
26.0	77	82	86	91	96	101	106	111
26.5	72	77	81	86	90	95	100	104
27.0	68	72	76	80	85	89	93	97
27.5	64	68	71	75	79	83	87	91
28.0	60	63	67	71	74	78	81	85
28.5	56	60	63	66	69	73	76	79
29.0	53	56	59	62	65	68	71	74
29.5	50	52	55	58	60	63	66	69
30.0	46	49	51	54	56	59	61	64
30.5	43	46	48	50	52	55	57	59
31.0	41	43	45	47	49	51	53	55
31.5	38	40	41	43	45	47	49	50
32.0	35	37	39	40	42	43	45	46
32.5	33	34	36	37	38	40	41	42

TABLES NOTES:

1. Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
2. Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
3. Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
4. Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
5. Values are based on Normal Concrete Density = 145 pcf.
6. "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.0435 in Nominal Rebar Size 25M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	16.6	16.1	15.8	15.4	15.1	14.9	14.5	14.2
Concrete volume (in ³ /ft ²)	595.2	667.2	739.2	811.2	883.2	955.2	1,027.2	1,099.2
Total slab weight (psf)	54.2	60.3	66.3	72.4	78.4	84.4	90.5	96.5
Total moment resistance (kips.ft/ft)	20.5	22.1	23.8	25.4	27.0	28.6	30.3	31.9
Total moment of inertia (in ⁴)	43.6	50.5	57.9	65.9	74.6	84.0	94.1	105.1
Span (ft)	Maximum specified load (psf)							
15.0	441	474	508	542	575	609	642	676
15.5	410	441	472	503	534	566	597	628
16.0	382	411	440	469	498	527	555	584
16.5	356	383	410	437	464	491	518	545
17.0	333	358	383	408	433	458	483	508
17.5	312	335	359	382	405	429	452	475
18.0	292	314	336	358	379	401	423	445
18.5	274	295	315	335	356	376	396	417
19.0	258	277	296	315	334	353	372	391
19.5	242	260	278	296	314	332	349	367
20.0	228	245	262	278	295	312	328	345
20.5	215	231	246	262	278	293	309	325
21.0	203	217	232	247	261	276	291	306
21.5	191	205	219	233	246	260	274	288
22.0	178.9d	194	207	220	232	245	258	271
22.5	167.3d	183	195	207	219	232	244	256
23.0	156.6d	173	184	196	207	219	230	241
23.5	146.8d	164	174	185	196	206	217	228
24.0	137.8d	155	165	175	185	195	205	215
24.5	129.6d	146	156	165	175	184	194	203
25.0	122d	139	148	156	165	174	183	192
25.5	114.9d	131	140	148	156	165	173	181
26.0	108.4d	124	132	140	148	156	164	171
26.5	102.4d	118	125	133	140	147	155	162
27.0	96.8d	112	119	126	132	139	146	153
27.5	91.6d	106	112	119	125	132	138	145
28.0	86.8d	100	106	112	119	125	131	137
28.5	82.3d	95	101	106	112	118	123	129
29.0	78.2d	90	95	101	106	111	117	122
29.5	74.2d	85	90	95	100	105	110	115
30.0	70.6d	81	86	90	95	99	104	109
30.5	67.2d	77	81	85	90	94	98	103
31.0	64d	73	77	81	85	89	93	97
31.5	61d	69	73	76	80	84	87	91
32.0	58.2d	65	69	72	75	79	82	86
32.5	55.5d	62	65	68	71	74	78	81

TABLES NOTES:

1. Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
2. Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
3. Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
4. Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
5. Values are based on Normal Concrete Density = 145 pcf.
6. "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.0435 in Nominal Rebar Size 30M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	16.6	16.1	15.8	15.4	15.1	14.9	14.5	14.2
Concrete volume (in ³ /ft ²)	595.0	667.0	739.0	811.0	883.0	955.0	1,027.0	1,099.0
Total slab weight (psf)	54.8	60.8	66.9	72.9	79.0	85.0	91.0	97.1
Total moment resistance (kips.ft/ft)	25.2	27.2	29.2	31.2	33.2	35.1	37.1	39.1
Total moment of inertia (in ⁴)	47.9	55.5	63.7	72.5	81.9	92.1	103.2	115.1
Span (ft)	Maximum specified load (psf)							
15.0	552	594	636	678	720	762	805	847
15.5	514	553	592	631	670	710	749	788
16.0	479	516	552	589	625	662	698	734
16.5	448	482	516	550	584	618	652	686
17.0	419	451	483	515	546	578	610	641
17.5	391d	423	453	482	512	541	571	601
18.0	359.3d	397	425	452	480	508	536	563
18.5	330.9d	373	399	425	451	477	503	529
19.0	305.5d	351	375	400	424	449	473	497
19.5	282.6d	327.3d	354	377	399	422	445	468
20.0	261.9d	303.4d	333	355	376	398	419	441
20.5	243.2d	281.7d	315	335	355	375	396	416
21.0	226.3d	262.1d	297	316	335	354	373	392
21.5	210.9d	244.2d	280.1d	299	317	335	353	371
22.0	196.8d	228d	261.4d	283	300	317	333	350
22.5	184d	213.1d	244.4d	268	284	300	315	331
23.0	172.2d	199.5d	228.8d	254	269	284	299	314
23.5	161.5d	187d	214.5d	240	255	269	283	297
24.0	151.6d	175.6d	201.4d	228	241	255	268	281
24.5	142.5d	165.1d	189.3d	215.4d	229	242	254	267
25.0	134.1d	155.4d	178.2d	202.7d	217	229	241	253
25.5	126.4d	146.4d	167.9d	191d	206	218	229	240
26.0	119.2d	138.1d	158.4d	180.2d	196	207	217	228
26.5	112.6d	130.5d	149.6d	170.2d	186	196	206	216
27.0	106.5d	123.3d	141.4d	160.9d	177	186	196	205
27.5	100.8d	116.7d	133.9d	152.3d	168	177	186	195
28.0	95.5d	110.6d	126.8d	144.3d	160	168	177	185
28.5	90.6d	104.9d	120.3d	136.8d	152	160	168	176
29.0	86d	99.6d	114.2d	129.9d	145	152	160	167
29.5	81.7d	94.6d	108.5d	123.4d	138	145	152	159
30.0	77.6d	89.9d	103.1d	117.3d	131	138	144	151
30.5	73.9d	85.6d	98.1d	111.7d	124	131	137	144
31.0	70.4d	81.5d	93.5d	106.3d	118	124	130	136
31.5	67.1d	77.7d	89.1d	101.4d	113	118	124	130
32.0	64d	74.1d	85d	96.7d	107	112	118	123
32.5	61.1d	70.7d	81.1d	92.3d	102	107	112	117

TABLES NOTES:

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- Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
- Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
- Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
- Values are based on Normal Concrete Density = 145 pcf.
- "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.0435 in Nominal Rebar Size 35M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	16.6	16.1	15.8	15.4	15.1	14.9	14.5	14.2
Concrete volume (in ³ /ft ²)	594.8	666.8	738.8	810.8	882.8	954.8	1,026.8	1,098.8
Total slab weight (psf)	55.5	61.6	67.6	73.6	79.7	85.7	91.8	97.8
Total moment resistance (kips.ft/ft)	30.8	33.3	35.7	38.2	40.6	43.1	45.6	48.0
Total moment of inertia (in ⁴)	52.8	61.3	70.3	80.0	90.4	101.7	113.8	126.8
Span (ft)	Maximum specified load (psf)							
15.0	684.4d	738	791	844	897	950	1004	1057
15.5	620.3d	688	737	787	836	886	935	984
16.0	563.9d	642	688	734	781	827	873	919
16.5	514.2d	596.1d	644	687	730	773	816	859
17.0	470.1d	545d	603	644	684	724	764	805
17.5	431d	499.6d	566	604	642	679	717	755
18.0	396.1d	459.2d	526.8d	567	603	638	674	709
18.5	364.8d	422.9d	485.2d	534	567	600	634	667
19.0	336.8d	390.4d	447.9d	503	534	565	597	628
19.5	311.5d	361.1d	414.3d	471.5d	504	533	563	592
20.0	288.7d	334.7d	384d	437d	476	503	531	559
20.5	268.1d	310.8d	356.6d	405.8d	450	476	502	528
21.0	249.4d	289.2d	331.7d	377.5d	425	450	475	499
21.5	232.4d	269.5d	309.1d	351.8d	397.7d	426	449	473
22.0	217d	251.5d	288.5d	328.4d	371.2d	404	426	448
22.5	202.8d	235.1d	269.7d	306.9d	347d	383	404	424
23.0	189.9d	220.1d	252.5d	287.4d	324.9d	363	383	403
23.5	178d	206.4d	236.7d	269.4d	304.6d	342.4d	364	382
24.0	167.1d	193.7d	222.3d	252.9d	285.9d	321.5d	345	363
24.5	157.1d	182.1d	208.9d	237.8d	268.8d	302.2d	328	345
25.0	147.9d	171.4d	196.6d	223.8d	253d	284.4d	312	328
25.5	139.3d	161.5d	185.3d	210.9d	238.4d	268d	297	312
26.0	131.5d	152.4d	174.8d	198.9d	224.9d	252.9d	282.9d	297
26.5	124.2d	143.9d	165.1d	187.9d	212.4d	238.8d	267.2d	283
27.0	117.4d	136.1d	156.1d	177.7d	200.8d	225.8d	252.7d	270
27.5	111.1d	128.8d	147.8d	168.1d	190.1d	213.7d	239.1d	257
28.0	105.3d	122d	140d	159.3d	180.1d	202.5d	226.5d	245
28.5	99.8d	115.7d	132.7d	151.1d	170.8d	192d	214.8d	234
29.0	94.7d	109.8d	126d	143.4d	162.1d	182.2d	203.9d	223
29.5	90d	104.3d	119.7d	136.2d	154d	173.1d	193.7d	213
30.0	85.6d	99.2d	113.8d	129.5d	146.4d	164.6d	184.2d	203
30.5	81.5d	94.4d	108.3d	123.3d	139.3d	156.7d	175.3d	194
31.0	77.6d	89.9d	103.2d	117.4d	132.7d	149.2d	166.9d	185
31.5	73.9d	85.7d	98.3d	111.9d	126.5d	142.2d	159.1d	177
32.0	70.5d	81.8d	93.8d	106.7d	120.7d	135.6d	151.8d	169
32.5	67.3d	78d	89.5d	101.9d	115.2d	129.5d	144.9d	161

TABLES NOTES:

- Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
- Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
- Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
- Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
- Values are based on Normal Concrete Density = 145 pcf.
- "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.054 in Nominal Rebar Size 10M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	17.6	17.2	16.8	16.4	16.1	15.8	15.6	15.3
Concrete volume (in ³ /ft ²)	595.5	667.5	739.5	811.5	883.5	955.5	1,027.5	1,099.5
Total slab weight (psf)	53.9	59.9	66.0	72.0	78.1	84.1	90.1	96.2
Total moment resistance (kips.ft/ft)	19.0	20.9	22.9	24.8	26.7	28.7	30.6	32.5
Total moment of inertia (in ⁴)	37.4	44.0	51.1	58.8	67.3	76.5	86.5	97.4
Span (ft)	Maximum specified load (psf)							
15.0	406	446	487	528	569	609	650	691
15.5	377	415	453	491	529	566	604	642
16.0	351	386	422	457	492	527	562	598
16.5	327	360	393	426	459	492	524	557
17.0	306	337	367	398	428	459	490	520
17.5	286	315	343	372	401	429	458	486
18.0	268	295	322	348	375	402	429	455
18.5	251	276	301	327	352	377	402	427
19.0	236	259	283	306	330	354	377	401
19.5	220.7d	244	266	288	310	332	354	376
20.0	204.5d	229	250	271	291	312	333	354
20.5	189.9d	216	235	255	274	294	313	333
21.0	176.7d	203	222	240	258	277	295	313
21.5	164.6d	192	209	226	243	261	278	295
22.0	153.7d	180.5d	197	213	230	246	262	278
22.5	143.7d	168.7d	186	201	217	232	247	263
23.0	134.5d	158d	176	190	205	219	233	248
23.5	126.1d	148.1d	166	180	193	207	220	234
24.0	118.4d	139d	157	170	183	195	208	221
24.5	111.3d	130.7d	148	160	173	185	197	209
25.0	104.7d	123d	140	152	163	175	186	198
25.5	98.7d	115.9d	133	144	154	165	176	187
26.0	93.1d	109.4d	126	136	146	156	166	177
26.5	87.9d	103.3d	119	128	138	148	157	167
27.0	83.2d	97.7d	112	122	131	140	149	158
27.5	78.7d	92.4d	106	115	124	132	141	149
28.0	74.6d	87.6d	101	109	117	125	133	141
28.5	70.7d	83d	95	103	111	118	126	134
29.0	67.1d	78.8d	90	97	105	112	119	126
29.5	63.8d	74.9d	85	92	99	106	112	119
30.0	60.6d	71.2d	81	87	93	100	106	113
30.5	57.7d	67.8d	76	82	88	94	100	106
31.0	55d	64.5d	72	78	83	89	95	100
31.5	52.4d	61.5d	68	73	79	84	89	95
32.0	50d	58.7d	64	69	74	79	84	89
32.5	47.7d	56	61	65	70	75	79	84

TABLES NOTES:

- Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
- Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
- Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
- Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
- Values are based on Normal Concrete Density = 145 pcf.
- "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.054 in Nominal Rebar Size 15M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	17.6	17.2	16.8	16.4	16.1	15.8	15.6	15.3
Concrete volume (in ³ /ft ²)	595.4	667.4	739.4	811.4	883.4	955.4	1,027.4	1,099.4
Total slab weight (psf)	54.2	60.2	66.2	72.3	78.3	84.4	90.4	96.4
Total moment resistance (kips.ft/ft)	21.2	23.3	25.4	27.5	29.6	31.7	33.7	35.8
Total moment of inertia (in ⁴)	39.8	46.7	54.1	62.3	71.1	80.7	91.1	102.4
Span (ft)	Maximum specified load (psf)							
15.0	457	502	546	591	636	680	725	769
15.5	425	467	508	550	591	633	674	715
16.0	396	435	474	512	551	589	628	666
16.5	370	406	442	478	514	550	586	622
17.0	346	380	413	447	480	514	548	581
17.5	324	355	387	418	450	481	512	544
18.0	298.5d	333	363	392	421	451	480	510
18.5	275d	313	340	368	396	423	451	478
19.0	253.9d	294	320	346	372	397	423	449
19.5	234.8d	275.3d	301	325	349	374	398	422
20.0	217.7d	255.1d	283	306	329	352	375	398
20.5	202.1d	236.9d	267	288	310	332	353	375
21.0	188d	220.4d	252	272	292	313	333	353
21.5	175.2d	205.4d	238	257	276	295	314	333
22.0	163.5d	191.7d	222.3d	243	261	279	297	315
22.5	152.9d	179.2d	207.8d	229	246	263	280	297
23.0	143.1d	167.8d	194.5d	217	233	249	265	281
23.5	134.2d	157.3d	182.4d	205	220	236	251	266
24.0	126d	147.7d	171.2d	194	209	223	237	252
24.5	118.4d	138.8d	161d	184	198	211	225	238
25.0	111.5d	130.7d	151.5d	174.2d	187	200	213	226
25.5	105d	123.1d	142.8d	164.1d	177	189	202	214
26.0	99.1d	116.2d	134.7d	154.9d	168	180	191	202
26.5	93.6d	109.7d	127.2d	146.3d	159	170	181	192
27.0	88.5d	103.7d	120.3d	138.3d	151	161	172	182
27.5	83.8d	98.2d	113.8d	130.9d	143	153	163	172
28.0	79.4d	93d	107.8d	124d	136	145	154	164
28.5	75.3d	88.2d	102.3d	117.6d	129	138	146	155
29.0	71.4d	83.7d	97.1d	111.6d	122	131	139	147
29.5	67.9d	79.5d	92.2d	106d	116	124	132	139
30.0	64.5d	75.6d	87.7d	100.8d	110	117	125	132
30.5	61.4d	72d	83.5d	95.9d	104	111	118	125
31.0	58.5d	68.5d	79.5d	91.4d	99	105	112	119
31.5	55.7d	65.3d	75.8d	87.1d	94	100	106	112
32.0	53.2d	62.3d	72.3d	83	89	95	101	106
32.5	50.8d	59.5d	69d	79	84	90	95	101

TABLES NOTES:

- Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
- Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
- Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
- Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
- Values are based on Normal Concrete Density = 145 pcf.
- "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.054 in Nominal Rebar Size 20M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	17.6	17.2	16.8	16.4	16.1	15.8	15.6	15.3
Concrete volume (in ³ /ft ²)	595.3	667.3	739.3	811.3	883.3	955.3	1,027.3	1,099.3
Total slab weight (psf)	54.4	60.4	66.5	72.5	78.5	84.6	90.6	96.7
Total moment resistance (kips.ft/ft)	23.1	25.3	27.5	29.8	32.0	34.3	36.5	38.7
Total moment of inertia (in ⁴)	41.8	49.0	56.7	65.1	74.3	84.2	95.0	106.7
Span (ft)	Maximum specified load (psf)							
15.0	502	550	598	646	694	742	790	837
15.5	467	512	556	601	645	690	735	779
16.0	435	477	519	560	602	643	685	726
16.5	407	446	484	523	562	601	639	678
17.0	372.2d	417	453	489	526	562	598	634
17.5	341.2d	391	424	458	492	526	560	594
18.0	313.5d	366	398	430	462	493	525	557
18.5	288.8d	338.1d	374	404	434	463	493	523
19.0	266.6d	312.1d	352	380	408	436	464	492
19.5	246.6d	288.7d	331	357	384	410	436	463
20.0	228.6d	267.6d	309.9d	337	362	386	411	436
20.5	212.3d	248.5d	287.8d	318	341	364	388	411
21.0	197.5d	231.2d	267.7d	300	322	344	366	388
21.5	184d	215.4d	249.5d	283	304	325	346	366
22.0	171.8d	201.1d	232.9d	267.4d	287	307	327	346
22.5	160.6d	188d	217.7d	250d	272	290	309	328
23.0	150.3d	176d	203.8d	234.1d	257	275	292	310
23.5	140.9d	165d	191.1d	219.4d	244	260	277	294
24.0	132.3d	154.9d	179.4d	206d	231	247	262	278
24.5	124.4d	145.6d	168.6d	193.7d	219	234	249	264
25.0	117.1d	137d	158.7d	182.3d	208	222	236	250
25.5	110.3d	129.1d	149.6d	171.8d	195.9d	211	224	237
26.0	104.1d	121.8d	141.1d	162d	184.8d	200	212	225
26.5	98.3d	115.1d	133.3d	153d	174.5d	190	202	214
27.0	92.9d	108.8d	126d	144.7d	165d	180	192	203
27.5	88d	103d	119.3d	137d	156.2d	171	182	193
28.0	83.3d	97.6d	113d	129.7d	148d	163	173	183
28.5	79d	92.5d	107.1d	123d	140.3d	155	164	174
29.0	75d	87.8d	101.7d	116.8d	133.2d	147	156	165
29.5	71.3d	83.4d	96.6d	111d	126.5d	140	148	157
30.0	67.8d	79.3d	91.9d	105.5d	120.3d	133	141	149
30.5	64.5d	75.5d	87.4d	100.4d	114.5d	126	134	142
31.0	61.4d	71.9d	83.3d	95.6d	109.1d	120	127	134
31.5	58.5d	68.5d	79.4d	91.1d	103.9d	114	121	128
32.0	55.8d	65.4d	75.7d	86.9d	99.1d	108	115	121
32.5	53.3d	62.4d	72.3d	83d	94.6d	103	109	115

TABLES NOTES:

- Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
- Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
- Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
- Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
- Values are based on Normal Concrete Density = 145 pcf.
- "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.054 in Nominal Rebar Size 25M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	17.6	17.2	16.8	16.4	16.1	15.8	15.6	15.3
Concrete volume (in ³ /ft ²)	595.2	667.2	739.2	811.2	883.2	955.2	1,027.2	1,099.2
Total slab weight (psf)	54.9	61.0	67.0	73.1	79.1	85.2	91.2	97.2
Total moment resistance (kips.ft/ft)	27.6	30.2	32.8	35.4	38.0	40.6	43.2	45.8
Total moment of inertia (in ⁴)	46.4	54.3	62.7	71.9	81.9	92.6	104.3	116.9
Span (ft)	Maximum specified load (psf)							
15.0	601.5d	665	722	778	835	892	948	1005
15.5	545.2d	620	672	725	778	831	883	936
16.0	495.6d	578	628	677	726	775	824	873
16.5	451.9d	528.1d	587	633	679	725	770	816
17.0	413.2d	482.8d	550	593	635	678	721	764
17.5	378.8d	442.6d	511.6d	556	596	636	677	717
18.0	348.1d	406.8d	470.2d	522	560	598	635	673
18.5	320.7d	374.7d	433.1d	491	526	562	597	633
19.0	296d	345.9d	399.8d	458.3d	496	529	562	596
19.5	273.8d	319.9d	369.8d	423.9d	467	499	530	562
20.0	253.8d	296.5d	342.8d	392.9d	441	471	500	530
20.5	235.7d	275.4d	318.3d	364.9d	415.3d	444	472	500
21.0	219.2d	256.2d	296.1d	339.4d	386.3d	420	447	473
21.5	204.3d	238.7d	275.9d	316.3d	360d	398	423	448
22.0	190.7d	222.8d	257.5d	295.2d	336d	377	400	424
22.5	178.3d	208.3d	240.8d	276d	314.1d	355.4d	379	402
23.0	166.9d	195d	225.4d	258.4d	294.1d	332.8d	360	381
23.5	156.5d	182.8d	211.3d	242.2d	275.7d	312d	341	361
24.0	146.9d	171.6d	198.4d	227.4d	258.8d	292.9d	324	343
24.5	138.1d	161.3d	186.5d	213.8d	243.3d	275.3d	308	326
25.0	130d	151.9d	175.5d	201.2d	229d	259.1d	291.7d	310
25.5	122.5d	143.1d	165.4d	189.6d	215.8d	244.2d	274.9d	295
26.0	115.5d	135d	156d	178.9d	203.6d	230.4d	259.3d	280
26.5	109.1d	127.5d	147.4d	168.9d	192.3d	217.6d	244.9d	267
27.0	103.2d	120.6d	139.4d	159.7d	181.8d	205.7d	231.6d	254
27.5	97.7d	114.1d	131.9d	151.2d	172.1d	194.7d	219.2d	242
28.0	92.5d	108.1d	125d	143.2d	163d	184.5d	207.7d	231
28.5	87.7d	102.5d	118.5d	135.8d	154.6d	174.9d	196.9d	220
29.0	83.3d	97.3d	112.5d	128.9d	146.7d	166d	186.9d	209.5d
29.5	79.1d	92.4d	106.9d	122.5d	139.4d	157.7d	177.6d	199d
30.0	75.2d	87.9d	101.6d	116.5d	132.5d	150d	168.8d	189.2d
30.5	71.6d	83.6d	96.7d	110.8d	126.1d	142.7d	160.7d	180.1d
31.0	68.2d	79.7d	92.1d	105.5d	120.1d	135.9d	153d	171.5d
31.5	65d	75.9d	87.8d	100.6d	114.5d	129.6d	145.9d	163.5d
32.0	62d	72.4d	83.7d	96d	109.2d	123.6d	139.1d	155.9d
32.5	59.2d	69.1d	79.9d	91.6d	104.3d	118d	132.8d	148.8d

TABLES NOTES:

- Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
- Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
- Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
- Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
- Values are based on Normal Concrete Density = 145 pcf.
- "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.054 in Nominal Rebar Size 30M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	17.6	17.2	16.8	16.4	16.1	15.8	15.6	15.3
Concrete volume (in ³ /ft ²)	595.0	667.0	739.0	811.0	883.0	955.0	1,027.0	1,099.0
Total slab weight (psf)	55.5	61.5	67.6	73.6	79.7	85.7	91.8	97.8
Total moment resistance (kips.ft/ft)	31.7	34.7	37.6	40.6	43.6	46.5	49.5	52.4
Total moment of inertia (in ⁴)	50.4	58.9	68.0	77.9	88.6	100.1	112.6	126.0
Span (ft)	Maximum specified load (psf)							
15.0	653.3d	762.7d	836	901	966	1031	1096	1161
15.5	592.1d	691.2d	779	840	900	961	1022	1083
16.0	538.3d	628.4d	725.8d	784	841	898	954	1011
16.5	490.8d	573d	661.8d	734	787	840	893	946
17.0	448.8d	524d	605.1d	688	737	787	837	886
17.5	411.4d	480.3d	554.7d	635.2d	692	739	785	832
18.0	378.1d	441.4d	509.8d	583.8d	651	694	738	782
18.5	348.2d	406.6d	469.6d	537.7d	611.4d	653	695	736
19.0	321.5d	375.3d	433.5d	496.4d	564.4d	616	655	693
19.5	297.4d	347.2d	401d	459.2d	522.1d	581	618	654
20.0	275.6d	321.8d	371.6d	425.6d	483.9d	546.9d	583	618
20.5	256d	298.8d	345.1d	395.2d	449.4d	507.9d	551	584
21.0	238.1d	278d	321.1d	367.6d	418d	472.5d	522	553
21.5	221.9d	259d	299.2d	342.6d	389.5d	440.3d	494	524
22.0	207.1d	241.8d	279.2d	319.8d	363.6d	410.9d	462.1d	496
22.5	193.6d	226d	261d	298.9d	339.9d	384.1d	431.9d	471
23.0	181.2d	211.6d	244.4d	279.8d	318.2d	359.6d	404.4d	447
23.5	169.9d	198.4d	229.1d	262.4d	298.3d	337.2d	379.1d	424.4d
24.0	159.5d	186.2d	215.1d	246.3d	280.1d	316.5d	355.9d	398.4d
24.5	150d	175.1d	202.2d	231.5d	263.3d	297.6d	334.6d	374.5d
25.0	141.1d	164.8d	190.3d	217.9d	247.8d	280.1d	314.9d	352.5d
25.5	133d	155.3d	179.3d	205.4d	233.5d	263.9d	296.7d	332.1d
26.0	125.5d	146.5d	169.2d	193.7d	220.3d	249d	280d	313.3d
26.5	118.5d	138.4d	159.8d	183d	208d	235.1d	264.4d	295.9d
27.0	112.1d	130.8d	151.1d	173d	196.7d	222.3d	250d	279.8d
27.5	106.1d	123.8d	143d	163.7d	186.2d	210.4d	236.6d	264.8d
28.0	100.5d	117.3d	135.5d	155.1d	176.4d	199.4d	224.2d	250.9d
28.5	95.3d	111.2d	128.5d	147.1d	167.3d	189d	212.6d	237.9d
29.0	90.4d	105.6d	121.9d	139.6d	158.8d	179.4d	201.8d	225.8d
29.5	85.9d	100.3d	115.8d	132.7d	150.8d	170.5d	191.7d	214.5d
30.0	81.7d	95.4d	110.2d	126.1d	143.4d	162.1d	182.3d	204d
30.5	77.8d	90.8d	104.8d	120d	136.5d	154.3d	173.4d	194.1d
31.0	74.1d	86.4d	99.8d	114.3d	130d	146.9d	165.2d	184.9d
31.5	70.6d	82.4d	95.2d	109d	123.9d	140d	157.4d	176.2d
32.0	67.3d	78.6d	90.8d	103.9d	118.2d	133.6d	150.2d	168.1d
32.5	64.3d	75d	86.6d	99.2d	112.8d	127.5d	143.4d	160.5d

TABLES NOTES:

- Deflection criteria considered is L/360 based on CSSBI S3-2019: Criteria for the Design of Composite Slabs.
- Max. specified load = 1.25/1.50 SIDL + LL when deflection does not control.
- Max. specified load = SIDL + LL when deflection controls. It is indicated with a 'd' next to the load values.
- Max. Unshored spans are based on CSSBI 12M-2018: Standard for Composite Steel Deck.
- Values are based on Normal Concrete Density = 145 pcf.
- "Total Slab Weight" includes steel deck, reinforcement bar, and concrete which is already accounted for in the tables above.

 COMPOSITE FLOORING SYSTEM	Steel Deck Thickness 0.054 in Nominal Rebar Size 35M					Load Tables 		
						Limit State Design		
						Imperial		
Slab thickness (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
Max unshored span (ft)	17.6	17.2	16.8	16.4	16.1	15.8	15.6	15.3
Concrete volume (in ³ /ft ²)	594.8	666.8	738.8	810.8	882.8	954.8	1,026.8	1,098.8
Total slab weight (psf)	56.2	62.3	68.3	74.4	80.4	86.4	92.5	98.5
Total moment resistance (kips.ft/ft)	36.6	40.0	43.4	46.8	50.3	53.7	57.1	60.5
Total moment of inertia (in ⁴)	55.0	64.2	74.1	84.8	96.4	108.9	122.3	136.8
Span (ft)	Maximum specified load (psf)							
15.0	712.1d	831.3d	959.9d	1048	1125	1201	1277	1353
15.5	645.4d	753.4d	869.9d	978	1049	1120	1191	1262
16.0	586.8d	685d	790.9d	905.3d	980	1047	1113	1179
16.5	535d	624.6d	721.2d	825.4d	918	980	1042	1104
17.0	489.2d	571.1d	659.4d	754.7d	857.6d	919	977	1035
17.5	448.5d	523.5d	604.5d	691.9d	786.2d	863	918	972
18.0	412.1d	481.1d	555.5d	635.8d	722.5d	812	863	915
18.5	379.6d	443.1d	511.7d	585.6d	665.5d	751.6d	813	861
19.0	350.4d	409.1d	472.3d	540.6d	614.3d	693.9d	767	812
19.5	324.2d	378.4d	436.9d	500.1d	568.3d	641.8d	721.1d	767
20.0	300.5d	350.7d	405d	463.5d	526.7d	594.9d	668.4d	725
20.5	279d	325.7d	376.1d	430.4d	489.1d	552.4d	620.6d	686
21.0	259.5d	303d	349.8d	400.4d	455d	513.9d	577.4d	645.6d
21.5	241.9d	282.3d	326d	373.1d	424d	478.9d	538d	601.6d
22.0	225.7d	263.5d	304.3d	348.3d	395.7d	447d	502.2d	561.5d
22.5	211d	246.4d	284.4d	325.6d	369.9d	417.8d	469.4d	524.9d
23.0	197.6d	230.6d	266.3d	304.8d	346.3d	391.2d	439.5d	491.4d
23.5	185.2d	216.2d	249.7d	285.7d	324.7d	366.7d	412d	460.7d
24.0	173.9d	203d	234.4d	268.3d	304.8d	344.3d	386.8d	432.5d
24.5	163.5d	190.8d	220.3d	252.2d	286.6d	323.6d	363.6d	406.6d
25.0	153.9d	179.6d	207.4d	237.3d	269.7d	304.6d	342.2d	382.7d
25.5	145d	169.2d	195.4d	223.7d	254.2d	287d	322.5d	360.6d
26.0	136.8d	159.7d	184.4d	211d	239.8d	270.8d	304.2d	340.2d
26.5	129.2d	150.8d	174.1d	199.3d	226.5d	255.8d	287.3d	321.3d
27.0	122.1d	142.6d	164.6d	188.4d	214.1d	241.8d	271.7d	303.8d
27.5	115.6d	135d	155.8d	178.3d	202.6d	228.9d	257.1d	287.5d
28.0	109.5d	127.9d	147.6d	169d	192d	216.8d	243.6d	272.4d
28.5	103.9d	121.2d	140d	160.2d	182.1d	205.6d	231d	258.3d
29.0	98.6d	115.1d	132.9d	152.1d	172.8d	195.2d	219.3d	245.2d
29.5	93.7d	109.3d	126.2d	144.5d	164.2d	185.4d	208.3d	232.9d
30.0	89.1d	104d	120d	137.4d	156.1d	176.3d	198.1d	221.5d
30.5	84.8d	98.9d	114.2d	130.7d	148.6d	167.8d	188.5d	210.8d
31.0	80.7d	94.2d	108.8d	124.5d	141.5d	159.8d	179.5d	200.7d
31.5	76.9d	89.8d	103.7d	118.7d	134.9d	152.3d	171.1d	191.3d
32.0	73.4d	85.7d	98.9d	113.2d	128.6d	145.3d	163.2d	182.5d
32.5	70.1d	81.8d	94.4d	108.1d	122.8d	138.7d	155.8d	174.2d

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