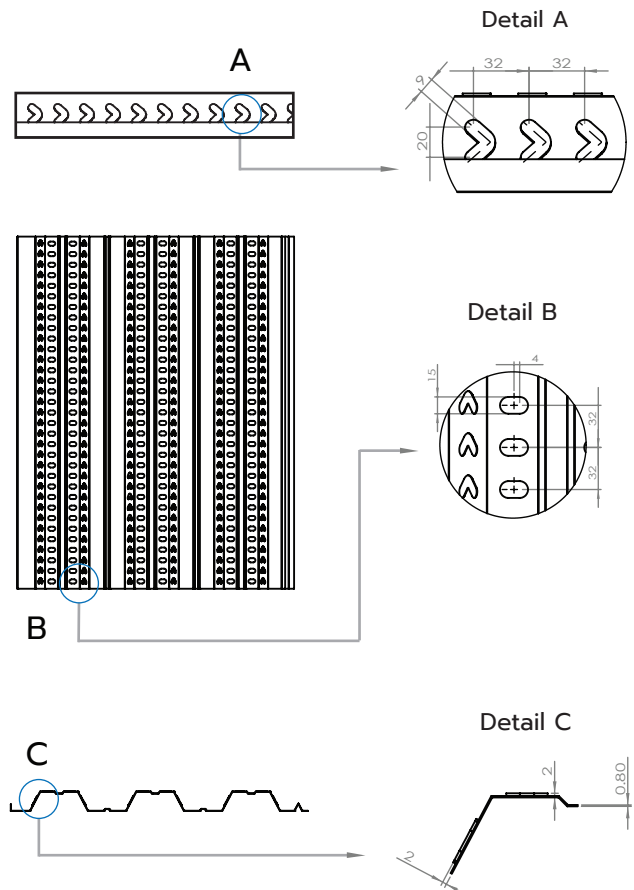


คุณลักษณะผลิตภัณฑ์ (Profile Feature)

Profile Dimension	Rib height 50 mm. / Cover width 760 mm.
Thickness	0.8 mm, 1.00 mm.
Steel specifications	Yield Strength ≥ 275 Mpa

คุณสมบัติของแผ่น Metal Deck (Section Properties)

Type of Metal Deck	Width mm.	Thickness mm.	Section Area cm ² /m.	Weight kg/m ²	Moment of Inertia cm ⁴ /m.	Section Modulus	
						Zp (cm ³ /m)	Zn (cm ³ /m)
MD-50W	760	0.8	10.22	8.26	47.89	18.41	18.57
MD-50W	760	1.0	12.22	10.33	58.46	22.39	22.58



ตารางออกแบบน้ำหนักบรรทุก MD-50W 0.8 mm. ตามมาตรฐาน ANSI/SDI-2017

Metal Deck Thickness	Total Slab Thickness	Beam Support	Span "L" (m) , Allowable Live Load (kg/m ²)																
			1	125	15	175	2	2.25	2.5	2.75	3	3.25	3.5	3.75	4	4.25	4.5	4.75	5
0.8 mm.	(4')	Single	1952	1952	1952	1671	1243	950	741	585	467	376	303	244	196	156	122	94	70
	100 mm.	Double	1952	1952	1952	1671	1243	950	741	585	467	376	303	244	196	156	122	94	70
	(5')	Single	1952	1952	1952	1952	1787	1372	1075	856	689	559	456	372	304	248	201	161	126
	125 mm.	Double	1952	1952	1952	1952	1787	1372	1075	856	689	559	456	372	304	248	201	161	126
	(6')	Single	1952	1952	1952	1952	1952	1822	1433	1145	926	756	620	511	422	348	286	234	189
	150 mm.	Double	1952	1952	1952	1952	1952	1822	1433	1145	926	756	620	511	422	348	286	234	189
	(7')	Single	1952	1952	1952	1952	1952	1952	1804	1446	1173	961	792	656	545	453	375	310	254
	175 mm.	Double	1952	1952	1952	1952	1952	1952	1804	1446	1173	961	792	656	545	453	375	310	254
	(8')	Single	1952	1952	1952	1952	1952	1952	1952	1753	1425	1170	968	805	671	560	467	374	322
	200 mm.	Double	1952	1952	1952	1952	1952	1952	1952	1753	1425	1170	968	805	671	560	467	374	322

Remark - In shaded areas to the right of the heavy line, mid-span deck shoring required during construction
- Concrete strength 240 ksc cylinder

ตารางออกแบบน้ำหนักบรรทุก MD-50W 1.0 mm. ตามมาตรฐาน ANSI/SDI-2017

Metal Deck Thickness	Total Slab Thickness	No. Span	Span "L" (m) , Allowable Live Load (kg/m ²)																
			1	125	15	175	2	2.25	2.5	2.75	3	3.25	3.5	3.75	4	4.25	4.5	4.75	5
1.0 mm.	(4')	Single	1952	1952	1952	1952	1495	1149	901	718	579	470	384	315	258	211	171	138	109
	100 mm.	Double	1952	1952	1952	1952	1495	1149	901	718	579	470	384	315	258	211	171	138	109
	(5')	Single	1952	1952	1952	1952	1952	1656	1305	1045	848	694	572	474	393	327	271	223	183
	125 mm.	Double	1952	1952	1952	1952	1952	1656	1305	1045	848	694	572	474	393	327	271	223	183
	(6')	Single	1952	1952	1952	1952	1952	1952	1738	1397	1137	935	775	646	540	453	379	317	264
	150 mm.	Double	1952	1952	1952	1952	1952	1952	1738	1397	1137	935	775	646	540	453	379	317	264
	(7')	Single	1952	1952	1952	1952	1952	1952	1952	1762	1438	1187	987	826	694	584	493	415	349
	175 mm.	Double	1952	1952	1952	1952	1952	1952	1952	1762	1438	1187	987	826	694	584	493	415	349
	(8')	Single	1952	1952	1952	1952	1952	1952	1952	1952	1747	1444	1204	1010	851	720	610	516	437
	200 mm.	Double	1952	1952	1952	1952	1952	1952	1952	1952	1747	1444	1204	1010	851	720	610	516	437

Remark - In shaded areas to the right of the heavy line, mid-span deck shoring required during construction
- Concrete strength 240 ksc cylinder