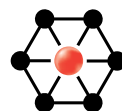




**REVEAL SERIES**  
ARCHITECTURAL  
DECK PRODUCTS  
CANADA



**CANAM**  
BUILDINGS



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## ROOF AND FLOOR DECK CEILING SYSTEMS

**Reveal Series** is a suite of metal deck systems that utilizes the inherent strength of structural deck and the aesthetic appeal of a flat ceiling and the linear plank look of wood. It provides architectural and structural design communities a vast array of composite floor and roof deck options that can beautify an environment for any use.

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## BENEFITS

- Combination of aesthetics and structure capacity
- Long clear span capabilities (FM approved)
- High fire resistance unprotected ratings (UL/ULC approved)
- Non-penetrating load capacity hanging system
- Smooth linear plank look
- Concealed fasteners
- Enhanced acoustic properties
- Finish paint options

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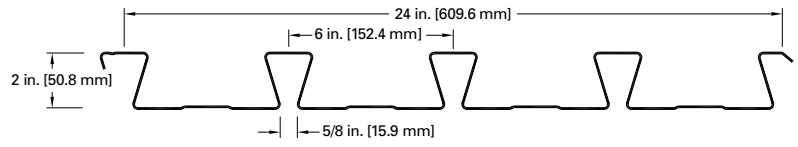
## VERSATILITY WITHOUT COMPROMISE

The many benefits of the Reveal Series profiles are the perfect option in the following types of projects: airport terminals, arenas, colleges and universities, gymnasiums, hospitals, hotels, museums, office buildings, schools, sports complexes, theaters, and more...

# REVEAL SERIES RS2.0

## Physical Properties

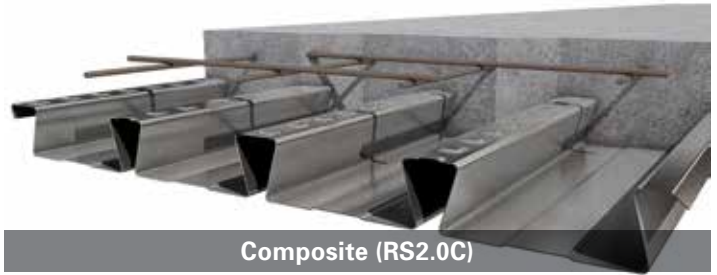
Type	Thickness	Weight	Eff. Section Modulus		Moment of Inertia	
			S+	S-	I+	I-
	in.	lb./ft. <sup>2</sup>	in. <sup>3</sup>	in. <sup>3</sup>	in. <sup>4</sup>	in. <sup>4</sup>
	mm	kg/m <sup>2</sup>	mm <sup>3</sup>	mm <sup>3</sup>	mm <sup>4</sup>	mm <sup>4</sup>
22	0.0295	2.28	0.3064	0.3118	0.4245	0.3785
	0.749	11.12	16,470	16,763	579,692	516,875
20	0.0358	2.76	0.3937	0.3850	0.5260	0.4820
	0.909	13.50	21,167	20,696	718,300	658,214
18	0.0474	3.67	0.5410	0.5228	0.7050	0.6850
	1.204	17.91	29,086	28,107	962,740	935,428
16	0.0598	4.64	0.6870	0.6740	0.9050	0.9050
	1.519	22.68	36,935	36,236	1,235,858	1,235,858



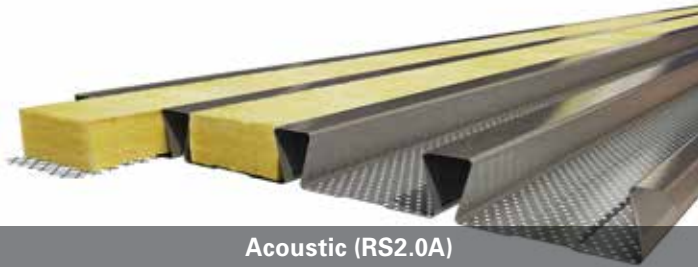
- Properties are based on a unit width of 12 in. (1,000 mm) according to CSA-S136-12 / AISI S100-12 standard.
- Material according to ASTM A653M SS Grade 40, yield strength of 40 ksi (275 MPa).
- Section modulus are based on flexural stress limit equal to  $F_y$ .
- Moment of inertia are based on flexural stress limit equal to  $0.6 F_y$ .
- Please contact Canam for acoustical version.



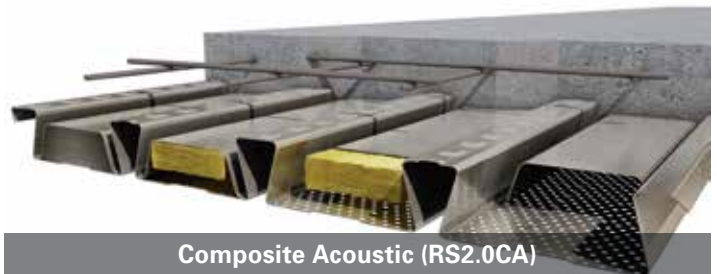
Roof (RS2.0)



Composite (RS2.0C)



Acoustic (RS2.0A)



Composite Acoustic (RS2.0CA)



# REVEAL SERIES RS2.0 ROOF LOAD TABLES

## Maximum Uniform Total Loads – Limit States Design (LSD)

U.S. Standard Units (psf)

	Type	Thickness (in.)	SPAN (ft.-in.)														
			6' - 0"	6' - 6"	7' - 0"	7' - 6"	8' - 0"	8' - 6"	9' - 0"	9' - 6"	10' - 0"	10' - 6"	11' - 0"	11' - 6"	12' - 0"	12' - 6"	
SINGLE SPAN	22	0.030	F	202	172	149	130	114	101								
			D	129	101	81	66	54	45								
	20	0.036	F	259	221	191	166	146	130	116	104						
			D	159	125	100	82	67	56	47	40						
	18	0.047	F	355	303	262	229	201	178	159	143	129					
			D	214	168	134	109	90	75	63	54	46					
	16	0.060	F	451	385	333	290	255	226	202	182	164	149	136			
			D	274	216	173	140	116	96	81	69	59	51	44			
DOUBLE SPAN	22	0.030	F	204	174	150	131	116	103	92	82	74					
			D	310	244	195	159	131	109	92	78	67					
	20	0.036	F	251	215	186	162	143	127	113	102	92	83	76			
			D	384	302	242	197	162	135	114	97	83	72	62			
	18	0.047	F	341	291	252	220	194	172	153	138	124	113	103	94	87	80
			D	514	405	324	263	217	181	152	130	111	96	83	73	64	57
	16	0.060	F	439	375	325	283	249	221	198	178	160	146	133	122	112	103
			D	660	519	416	338	279	232	196	166	143	123	107	94	83	73
TRIPLE SPAN	22	0.030	F	252	216	187	163	144	128	114	102	93	84				
			D	243	191	153	124	102	85	72	61	52	45				
	20	0.036	F	311	266	230	201	177	157	141	126	114	104	95	87		
			D	301	237	189	154	127	106	89	76	65	56	49	43		
	18	0.047	F	422	361	312	273	241	213	191	171	155	141	128	118	108	100
			D	403	317	254	206	170	142	119	102	87	75	65	57	50	45
	16	0.060	F	543	465	402	352	310	275	246	221	200	181	165	151	139	128
			D	518	407	326	265	218	182	153	130	112	97	84	74	65	57

SI Units (kPa)

	Type	Thickness (mm)	SPAN (mm)														
			1,800	1,950	2,100	2,250	2,400	2,550	2,700	2,850	3,000	3,150	3,300	3,450	3,600	3,750	
SINGLE SPAN	22	0.75	F	9.97	8.51	7.35	6.41	5.64	5.00								
			D	6.46	5.08	4.07	3.31	2.72	2.27								
	20	0.91	F	12.79	10.92	9.43	8.23	7.24	6.42	5.73	5.14						
			D	8.00	6.29	5.04	4.10	3.38	2.81	2.37	2.02						
	18	1.20	F	17.55	14.99	12.95	11.29	9.94	8.81	7.87	7.07	6.38	5.79				
			D	10.72	8.43	6.75	5.49	4.52	3.77	3.18	2.70	2.32	2.00				
	16	1.52	F	22.28	19.03	16.44	14.34	12.62	11.19	9.99	8.97	8.10	7.35	6.70	6.14		
			D	13.77	10.83	8.67	7.05	5.81	4.84	4.08	3.47	2.97	2.57	2.23	1.96		
DOUBLE SPAN	22	0.75	F	10.06	8.60	7.43	6.49	5.71	5.07	4.52	4.06	3.67					
			D	15.55	12.23	9.79	7.96	6.56	5.47	4.61	3.92	3.36					
	20	0.91	F	12.42	10.61	9.17	8.01	7.05	6.25	5.58	5.02	4.53	4.11	3.75			
			D	19.27	15.16	12.14	9.87	8.13	6.78	5.71	4.86	4.16	3.60	3.13			
	18	1.20	F	16.84	14.40	12.45	10.87	9.57	8.49	7.58	6.81	6.15	5.58	5.09	4.66	4.28	3.95
			D	25.83	20.32	16.27	13.23	10.90	9.09	7.65	6.51	5.58	4.82	4.19	3.67	3.23	2.86
	16	1.52	F	21.69	18.55	16.03	14.00	12.33	10.93	9.77	8.77	7.93	7.20	6.56	6.01	5.52	5.09
			D	33.16	26.08	20.88	16.98	13.99	11.66	9.83	8.35	7.16	6.19	5.38	4.71	4.14	3.67
TRIPLE SPAN	22	0.75	F	12.45	10.65	9.22	8.06	7.10	6.30	5.63	5.06	4.57	4.15	3.78			
			D	12.19	9.59	7.68	6.24	5.14	4.29	3.61	3.07	2.63	2.27	1.98			
	20	0.91	F	15.35	13.14	11.37	9.94	8.76	7.77	6.94	6.24	5.64	5.12	4.67	4.28		
			D	15.11	11.88	9.51	7.73	6.37	5.31	4.48	3.81	3.26	2.82	2.45	2.15		
	18	1.20	F	20.81	17.82	15.43	13.48	11.88	10.55	9.42	8.47	7.66	6.95	6.34	5.81	5.34	4.92
			D	20.25	15.92	12.75	10.37	8.54	7.12	6.00	5.10	4.37	3.78	3.29	2.88	2.53	2.24
	16	1.52	F	26.79	22.95	19.87	17.36	15.30	13.59	12.14	10.91	9.86	8.96	8.17	7.48	6.88	6.34
			D	25.99	20.44	16.37	13.31	10.96	9.14	7.70	6.55	5.61	4.85	4.22	3.69	3.25	2.87

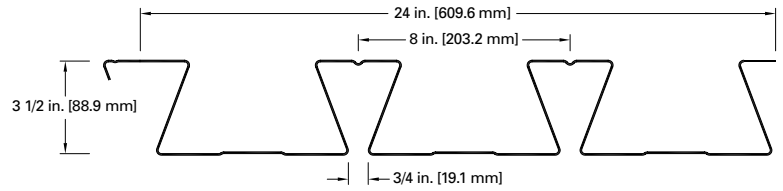
NOTES:

- Loads at rows marked "F" are the ones controlled by deck capacities, and those at rows marked "D" are the uniform loads that produce a deflection of L/240 or 1 in. (25.4 mm).
- Loads at rows marked "F" should be compared to maximum loads obtained from load combinations according to NBC. Deck weight should be included when determining dead load.
- Web crippling controls loads in brackets calculated with the end bearing length equal to 2 in. (50.8 mm) and the interior bearing length equal to 4 in. (101.6 mm).
- The span is the shorter of the following dimensions: dimension c/c of the supports, or the clear dimension between the supports plus the depth of the deck.
- The tables are based on 40 ksi (275 MPa) yield stress.
- Please contact Canam for acoustical version.

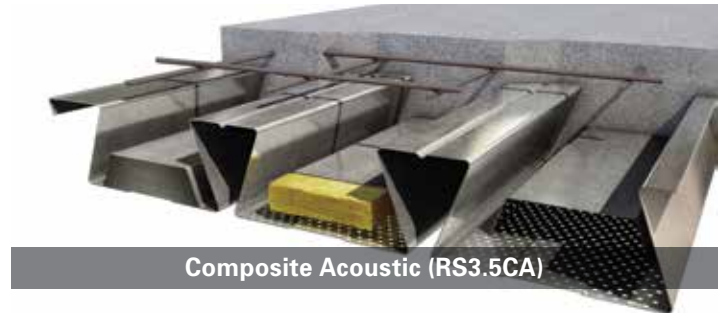
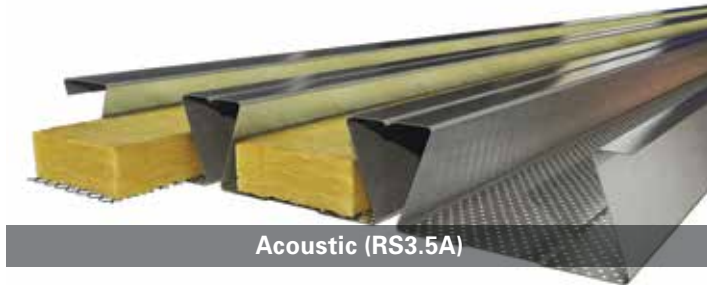
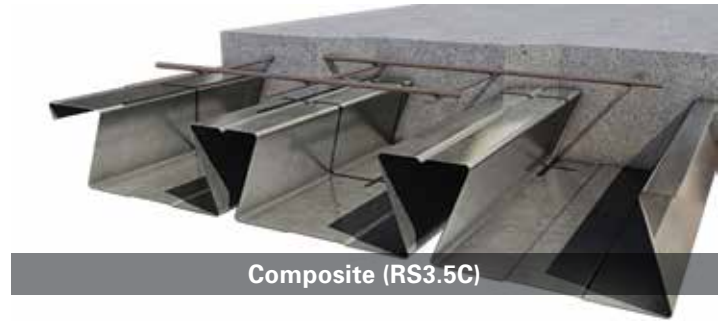
# REVEAL SERIES RS3.5

## Physical Properties

Type	Thickness	Weight	Eff. Section Modulus		Moment of Inertia	
			S+	S-	I+	I-
	in.	lb./ft. <sup>2</sup>	in. <sup>3</sup>	in. <sup>3</sup>	in. <sup>4</sup>	in. <sup>4</sup>
	mm	kg/m <sup>2</sup>	mm <sup>3</sup>	mm <sup>3</sup>	mm <sup>4</sup>	mm <sup>4</sup>
20	0.0358	3.34	0.8214	0.8175	1.8860	1.6345
	0.909	16.28	44,161	43,949	2,575,500	2,232,055
18	0.0474	4.42	1.1436	1.1825	2.5600	2.3300
	1.204	21.58	61,484	63,575	3,495,907	3,181,822
16	0.0598	5.61	1.4790	1.5475	3.3100	3.1300
	1.519	27.37	79,516	83,199	4,520,098	4,274,293



- Properties are based on a unit width of 12 in. (1,000 mm) according to CSA-S136-12 / AISI S100-12 standard.
- Material according to ASTM A653M SS Grade 40, yield strength of 40 ksi (275 MPa).
- Section modulus are based on flexural stress limit equal to  $F_y$ .
- Moment of inertia are based on flexural stress limit equal to  $0.6 F_y$ .
- Please contact Canam for acoustical version.



# REVEAL SERIES RS3.5 ROOF LOAD TABLES

## Maximum Uniform Total Loads – Limit States Design (LSD)

U.S. Standard Units (psf)

	Type	Thickness (in.)	SPAN (ft.-in.)												
			8' - 0"	9' - 0"	10' - 0"	11' - 0"	12' - 0"	13' - 0"	14' - 0"	15' - 0"	16' - 0"	17' - 0"	18' - 0"	19' - 0"	
SINGLE SPAN	20	0.036	F	(222)	(197)	(178)	(160)	135	115	99					
			D	241	169	123	93	71	56	45					
	18	0.047	F	(392)	333	271	224	189	161	139	121	107			
			D	327	230	167	126	97	76	61	50	41			
	16	0.060	F	544	432	351	290	244	209	180	157	138	122		
			D	423	297	217	163	125	99	79	64	53	44		
DOUBLE SPAN	20	0.036	F	(189)	(168)	(152)	(138)	(126)	114	98	86	76			
			D	581	408	297	223	172	135	108	88	73			
	18	0.047	F	(315)	(280)	(252)	(229)	194	166	143	125	110	97	87	78
			D	788	553	403	303	233	184	147	120	99	82	69	59
	16	0.060	F	(478)	(425)	364	302	254	217	188	164	144	128	114	102
			D	1,019	716	522	392	302	237	190	155	127	106	89	76
TRIPLE SPAN	20	0.036	F	(215)	(191)	(172)	(157)	(144)	(132)						
			D	455	320	233	175	135	106						
	18	0.047	F	(357)	(318)	(286)	(260)	(238)	206						
			D	618	434	316	238	183	144						
	16	0.060	F	(543)	(483)	(435)	374	316	270						
			D	799	561	409	307	237	186						

SI Units (kPa)

	Type	Thickness (mm)	SPAN (mm)												
			2,500	2,800	3,100	3,400	3,700	4,000	4,300	4,600	4,900	5,200	5,500	5,800	
SINGLE SPAN	20	0.91	F	(10.37)	(9.25)	(8.36)	7.45	6.31	5.41	4.69					
			D	10.71	7.62	5.62	4.26	3.30	2.61	2.10					
	18	1.20	F	(18.32)	15.31	12.53	10.44	8.83	7.57	6.56	5.73	5.06			
			D	14.53	10.35	7.62	5.78	4.48	3.55	2.86	2.33	1.93			
	16	1.52	F	24.82	19.86	16.24	13.53	11.44	9.80	8.49	7.42	6.55	5.82		
			D	18.79	13.38	9.86	7.47	5.80	4.59	3.69	3.02	2.50	2.09		
DOUBLE SPAN	20	0.91	F	(8.85)	(7.90)	(7.13)	(6.50)	(5.98)	5.35	4.64	4.06	3.59			
			D	25.79	18.36	13.53	10.25	7.96	6.30	5.07	4.14	3.43			
	18	1.20	F	(14.69)	(13.11)	(11.85)	(10.72)	9.08	7.78	6.75	5.90	5.21	4.63	4.14	3.73
			D	35.01	24.92	18.36	13.92	10.80	8.55	6.88	5.62	4.65	3.89	3.29	2.80
	16	1.52	F	(22.33)	(19.94)	16.86	14.06	11.90	10.20	8.84	7.74	6.83	6.07	5.43	4.88
			D	45.27	32.22	23.74	18.00	13.96	11.05	8.90	7.27	6.01	5.03	4.25	3.63
TRIPLE SPAN	20	0.91	F	(10.05)	(8.98)	(8.11)	(7.39)	(6.79)	(6.28)						
			D	20.22	14.39	10.60	8.04	6.24	4.94						
	18	1.20	F	(16.69)	(14.90)	(13.46)	(12.27)	(11.25)	9.66						
			D	27.44	19.53	14.39	10.91	8.46	6.70						
	16	1.52	F	(25.38)	(22.66)	(20.47)	17.43	14.77	12.68						
			D	35.48	25.25	18.61	14.10	10.94	8.66						

**NOTES:**

- Loads at rows marked "F" are the ones controlled by deck capacities, and those at rows marked "D" are the uniform loads that produce a deflection of L/240 or 1 in. (25.4 mm).
- Loads at rows marked "F" should be compared to maximum loads obtained from load combinations according to NBC. Deck weight should be included when determining dead load.
- Web crippling controls loads in brackets calculated with the end bearing length equal to 2 in. (50.8 mm) and the interior bearing length equal to 4 in. (101.6 mm).
- The span is the shorter of the following dimensions: dimension c/c of the supports, or the clear dimension between the supports plus the depth of the deck.
- The tables are based on 40 ksi (275 MPa) yield stress.
- Please contact Canam for acoustical version.

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## REVEAL LOK HANGERS

Reveal Series' dovetail ribs provide a simple, economical, and permanent means for hanging ceilings, piping, ducts, and other mechanical and utility components. Available in two styles, the Reveal LOK hangers are inserted parallel to the ribs and can be placed continuously at each flutes across the width of the profile. Hangers can be purchased and installed as they are needed, and can be relocated, inserted, or removed and reused at any time during the life of the building.

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### Reveal LOK RL2.0 Hanger



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### Reveal LOK RL3.5 Hanger





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Over the last 50 years, Canam has developed a fast, reliable construction method that adapts to all your commercial, industrial, institutional or multi-residential projects. Whether you are building structures, floors, walls or steel building envelopes, our construction solutions are simple and straightforward. So you don't get any surprises.



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