



REVEAL SERIES
ARCHITECTURAL
DECK PRODUCTS
UNITED STATES



CANAM
BUILDINGS



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.

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

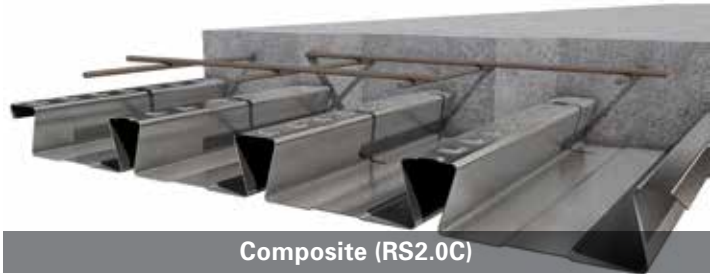
VERSATILITY WITHOUT COMPROMISE

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...

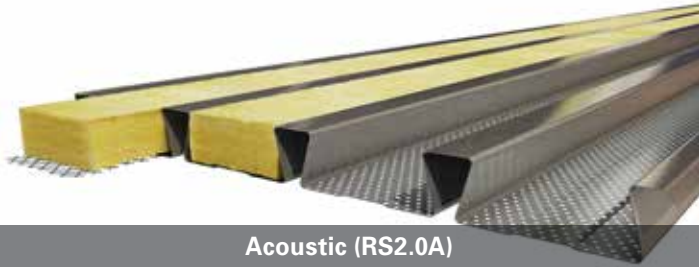
Reveal Series RS2.0



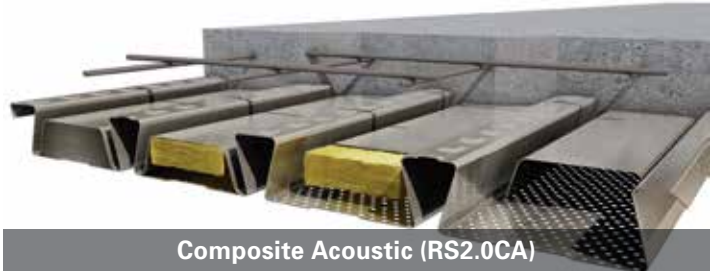
Roof (RS2.0)



Composite (RS2.0C)



Acoustic (RS2.0A)

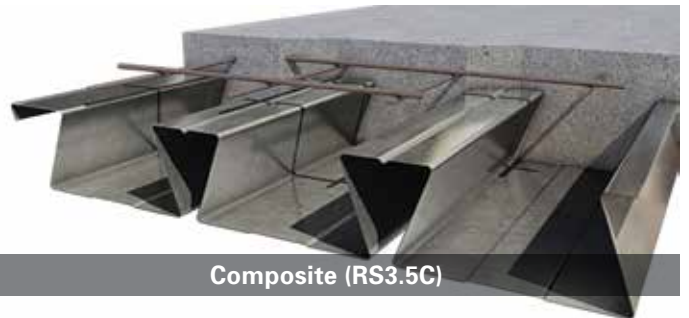


Composite Acoustic (RS2.0CA)

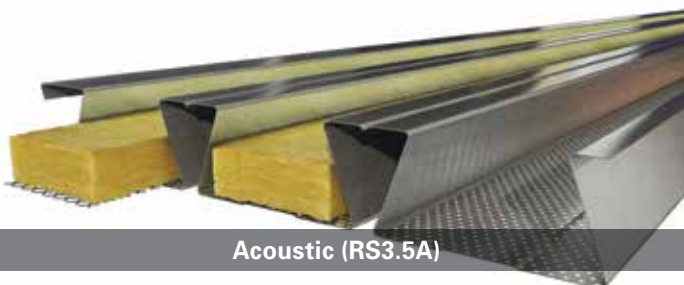
Reveal Series RS3.5



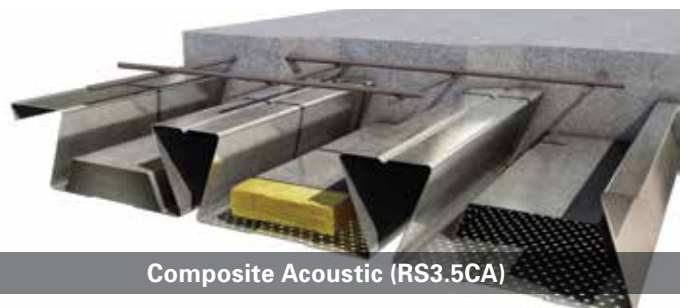
Roof (RS3.5)



Composite (RS3.5C)



Acoustic (RS3.5A)



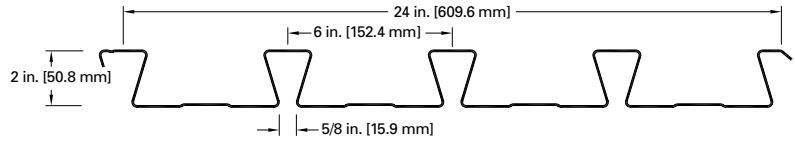
Composite Acoustic (RS3.5CA)

CANAM ROOF DECK

Reveal Series RS2.0

ASD - Allowable Stress Design - 40 ksi (275 MPa)

Type	Thickness	Weight	Eff. Section Modulus		Moment of Inertia	
			S+	S-	I+	I-
	<i>in.</i>	<i>lb./ft.²</i>	<i>in.³</i>	<i>in.³</i>	<i>in.⁴</i>	<i>in.⁴</i>
	<i>mm</i>	<i>kg/m²</i>	<i>mm³</i>	<i>mm³</i>	<i>mm⁴</i>	<i>mm⁴</i>
22	0.0295	2.28	0.306	0.312	0.425	0.379
	0.749	11.12	16,470	16,763	579,692	516,875
20	0.0358	2.76	0.394	0.385	0.526	0.482
	0.909	13.50	21,166	20,696	718,299	658,213
18	0.0474	3.67	0.541	0.523	0.705	0.685
	1.204	17.91	29,085	28,107	962,740	935,428
16	0.0598	4.64	0.687	0.674	0.905	0.905
	1.519	22.68	36,935	36,236	1,235,857	1,235,857



- Properties are based on a unit width of 12 in. (U.S. Standard Units) or 1,000 mm (S.I. Units) 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 Fy.
- Moment of inertia are based on flexural stress limit equal to 0.6 Fy.
- Please contact Canam for acoustical version.

Maximum Superimposed Allowable Uniform Live Loads

U.S. Standard Units Load Tables (psf)

Type	Thickness		SINGLE 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"
22	0.030	F	132	113	97	84	74	65	58	52						
		D	129	101	81	66	54	45	38	32						
20	0.036	F	170	145	125	108	95	84	75	67	60					
		D	159	125	100	82	67	56	47	40	34					
18	0.048	F	234	199	171	149	130	115	102	92	82	74	67	61		
		D	214	168	134	109	90	75	63	54	46	40	35	30		
16	0.060	F	297	253	217	189	166	146	130	116	105	94	86	78	71	65
		D	274	216	173	140	116	96	81	69	59	51	44	39	34	30

Type	Thickness		DOUBLE 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"
22	0.030	F	134	114	98	85	75	66	59	53	47	43	39	35	32	
		D	310	244	195	159	131	109	92	78	67	58	50	44	39	
20	0.036	F	165	141	121	105	92	82	73	65	58	53	48	44	40	36
		D	384	302	242	197	162	135	114	97	83	72	62	55	48	42
18	0.048	F	225	191	165	143	126	111	99	88	79	72	65	59	54	50
		D	514	405	324	263	217	181	152	130	111	96	83	73	64	57
16	0.060	F	289	246	212	185	162	143	127	114	102	92	84	76	70	64
		D	660	519	416	338	279	232	196	166	143	123	107	94	83	73

Type	Thickness		TRIPLE 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"
22	0.030	F	167	142	123	107	94	83	74	66	59	54	49	45	41	
		D	243	191	153	124	102	85	72	61	52	45	39	34	30	
20	0.036	F	206	176	151	132	116	102	91	82	73	66	60	55	50	46
		D	301	237	189	154	127	106	89	76	65	56	49	43	38	33
18	0.048	F	279	238	206	179	157	139	124	111	100	90	82	75	68	63
		D	403	317	254	206	170	142	119	102	87	75	65	57	50	45
16	0.060	F	360	307	265	231	203	179	160	143	129	116	106	96	88	81
		D	518	407	326	265	218	182	153	130	112	97	84	74	65	57

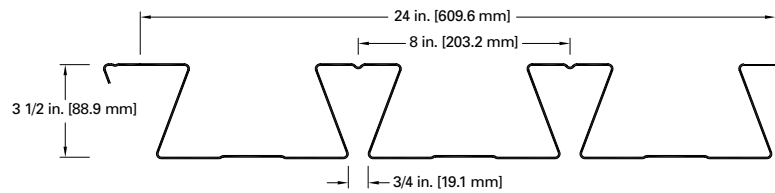
NOTES:

- Loads at rows marked "F" are the ones controlled by deck capacities, and those at rows marked "D" are the uniform loads produce a deflection of L/240 or 1 in. (25.4 mm).
- Loads at rows marked "F" should be compared to maximum allowable superimposed live loads.
- 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 dimension c/c between supports.
- Please contact Canam for acoustical version.

Reveal Series RS3.5

ASD - Allowable Stress Design - 40 ksi (275 MPa)

Type	Thickness	Weight	Eff. Section Modulus		Moment of Inertia	
			S+	S-	I+	I-
	<i>in.</i>	<i>lb./ft.²</i>	<i>in.³</i>	<i>in.³</i>	<i>in.⁴</i>	<i>in.⁴</i>
	<i>mm</i>	<i>kg/m²</i>	<i>mm³</i>	<i>mm³</i>	<i>mm⁴</i>	<i>mm⁴</i>
20	0.0358	3.34	0.821	0.817	1.886	1.634
	0.909	16.28	44,161	43,949	2,575,500	2,232,055
18	0.0474	4.42	1.144	1.182	2.560	2.330
	1.204	21.58	61,484	63,575	3,495,907	3,181,822
16	0.0598	5.61	1.479	1.547	3.310	3.130
	1.519	27.37	79,516	83,199	4,520,098	4,274,293



- Properties are based on a unit width of 12 in. (U.S. Standard Units) or 1,000 mm (S.I. Units) 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 Fy. Moment of inertia are based on flexural stress limit equal to 0.6 Fy.
- Please contact Canam for acoustical version.

Maximum Superimposed Allowable Uniform Live Loads

U.S. Standard Units Load Tables (psf)

Type	Thickness		SINGLE 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"	20' - 0"
20	0.036	F	(168)	(149)	126	104	87	74	63	55	48				
		D	241	169	123	93	71	56	45	37	30				
18	0.047	F	276	218	176	145	121	103	88	76	67	59			
		D	327	230	167	126	97	76	61	50	41	34			
16	0.060	F	358	283	229	188	157	133	114	99	86	76	67		
		D	423	297	217	163	125	99	79	64	53	44	37		

Type	Thickness		DOUBLE 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"	20' - 0"
20	0.036	F	(141)	(125)	(112)	(102)	86	73	62	54	47	41	37	33	
		D	581	408	297	223	172	135	108	88	73	61	51	43	
18	0.047	F	(235)	(209)	181	149	125	106	91	79	69	61	54	48	43
		D	788	553	403	303	233	184	147	120	99	82	69	59	50
16	0.060	F	(359)	294	238	196	164	139	120	103	90	79	70	63	56
		D	1,019	716	522	392	302	237	190	155	127	106	89	76	65

Type	Thickness		TRIPLE 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"	20' - 0"
20	0.036	F	(161)	(142)	(128)	(116)	(106)	91							
		D	455	320	233	175	135	106							
18	0.047	F	(268)	(238)	(213)	187	157	133							
		D	618	434	316	238	183	144							
16	0.060	F	(408)	(362)	296	245	206	175							
		D	799	561	409	307	237	186							

NOTES:

- Loads at rows marked "F" are the ones controlled by deck capacities, and those at rows marked "D" are the uniform loads produce a deflection of L/240 or 1 in. (25.4 mm).
- Loads at rows marked "F" should be compared to maximum allowable superimposed live loads.
- 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 dimension c/c between supports.
- Please contact Canam for acoustical version.



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, spaced approximately every 6 inches 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.

Reveal LOK RL2.0 Hanger



Reveal LOK RL3.5 Hanger





BUILD DIFFERENTLY

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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