



**REVEAL SERIES**  
ARCHITECTURAL  
DECK PRODUCTS





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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...

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### Reveal Series RS2.0



Roof (RS2.0)



Composite (RS2.0C)



Acoustic (RS2.0A)



Composite Acoustic (RS2.0CA)

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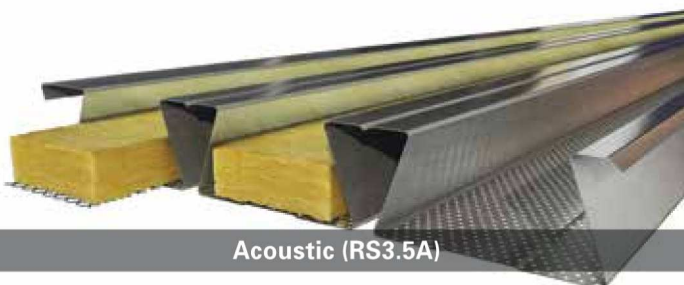
### Reveal Series RS3.5



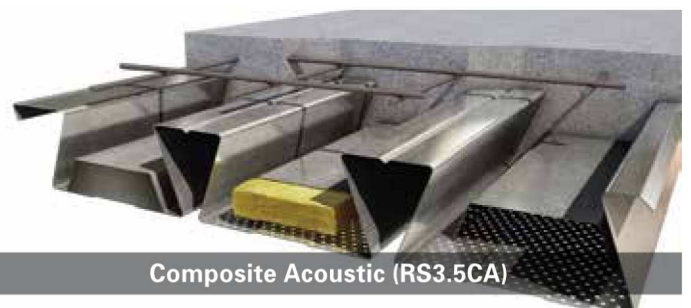
Roof (RS3.5)



Composite (RS3.5C)



Acoustic (RS3.5A)



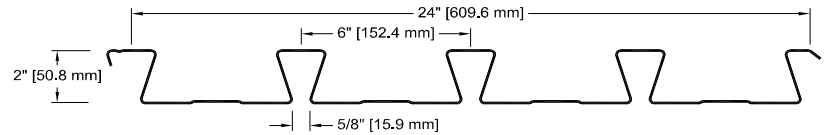
Composite Acoustic (RS3.5CA)

# 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>lbs/ft<sup>2</sup></i>	<i>in<sup>3</sup></i>	<i>in<sup>3</sup></i>	<i>in<sup>4</sup></i>	<i>in<sup>4</sup></i>
	<i>mm</i>	<i>kg/m<sup>2</sup></i>	<i>mm<sup>3</sup></i>	<i>mm<sup>3</sup></i>	<i>mm<sup>4</sup></i>	<i>mm<sup>4</sup></i>
22	0.030	2.270	0.306	0.312	0.425	0.379
	0.749	11.081	16 470	16 763	579 692	516 875
20	0.036	2.760	0.394	0.385	0.526	0.482
	0.909	13.475	21 166	20 696	718 299	658 213
18	0.047	3.667	0.541	0.523	0.705	0.685
	1.204	17.905	29 085	28 107	962 740	935 428
16	0.060	4.645	0.687	0.674	0.905	0.905
	1.519	22.678	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  $F_y$ . Moment of inertia are based on flexural stress limit equal to  $0.6F_y$ .
- A percentage-based properties reduction should be considered for the acoustical version. Please contact Canam for details.

## Maximum Superimposed Allowable Uniform Live Loads

U.S. Standard Units Load Tables (psf)

Type	Thickness Nominal		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 Nominal		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 Nominal		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

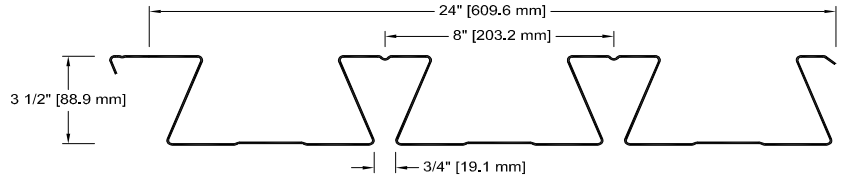
### NOTES:

- Loads at rows marked "F" are the loads controlled by deck capacities, and those at rows marked "D" are the uniform loads produce a deflection of  $L/240$  or 1" (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" (50.8 mm) and the interior bearing length equal to 4" (101.6 mm).
- The span is the dimension c/c between supports.
- A percentage-based capacities reduction should be considered for the acoustical version. Please contact Canam for details.

## 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>lbs/ft<sup>2</sup></i>	<i>in<sup>3</sup></i>	<i>in<sup>3</sup></i>	<i>in<sup>4</sup></i>	<i>in<sup>4</sup></i>
	<i>mm</i>	<i>kg/m<sup>2</sup></i>	<i>mm<sup>3</sup></i>	<i>mm<sup>3</sup></i>	<i>mm<sup>4</sup></i>	<i>mm<sup>4</sup></i>
20	0.036	3.340	0.886	0.815	1.967	1.629
	0.909	16.308	47 626	43 798	2 685 430	2 223 861
18	0.047	4.432	1.218	1.179	2.655	2.325
	1.204	21.640	65 483	63 386	3 625 637	3 174 993
16	0.060	5.605	1.555	1.547	3.4	3.125
	1.519	27.368	83 575	83 144	4 643 001	4 267 464



- 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  $F_y$ . Moment of inertia are based on flexural stress limit equal to  $0.6F_y$ .
- A percentage-based properties reduction should be considered for the acoustical version. Please contact Canam for details.

## Maximum Superimposed Allowable Uniform Live Loads

U.S. Standard Units Load Tables (psf)

Type	Thickness Nominal		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"	21' - 0"
20	0,036	F	(168)	(149)	(134)	112	94	79	68	59	52					
		D	251	176	129	97	74	59	47	38	31					
18	0,048	F	(284)	232	188	155	130	110	94	82	71	63				
		D	339	238	174	131	101	79	63	51	42	35				
16	0,060	F	377	297	240	198	166	140	120	104	91	80	71			
		D	434	305	222	167	129	101	81	66	54	45	38			

Type	Thickness Nominal		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"	21' - 0"
20	0,036	F	(141)	(125)	(112)	(102)	85	73	62	54	47	41	36	32		
		D	605	425	310	233	179	141	113	92	76	63	53	45		
18	0,048	F	(235)	(209)	181	149	125	106	91	79	69	60	53	47	42	
		D	817	574	418	314	242	190	152	124	102	85	72	61	52	
16	0,060	F	(359)	294	238	196	164	139	119	103	90	79	70	63	56	
		D	1047	735	536	403	310	244	195	159	131	109	92	78	67	

Type	Thickness Nominal		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"	21' - 0"
20	0,036	F	(161)	(142)	(128)	(116)	(106)	91								
		D	474	333	243	183	141	111								
18	0,048	F	(268)	(238)	(213)	186	156	133								
		D	641	450	328	246	190	149								
16	0,060	F	(408)	(362)	296	245	205	175								
		D	820	576	420	316	243	191								

### NOTES:

- Loads at rows marked "F" are the loads controlled by deck capacities, and those at rows marked "D" are the uniform loads produce a deflection of  $L/240$  or 1" (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" (50.8 mm) and the interior bearing length equal to 4" (101.6 mm).
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## REVEAL LOK

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.

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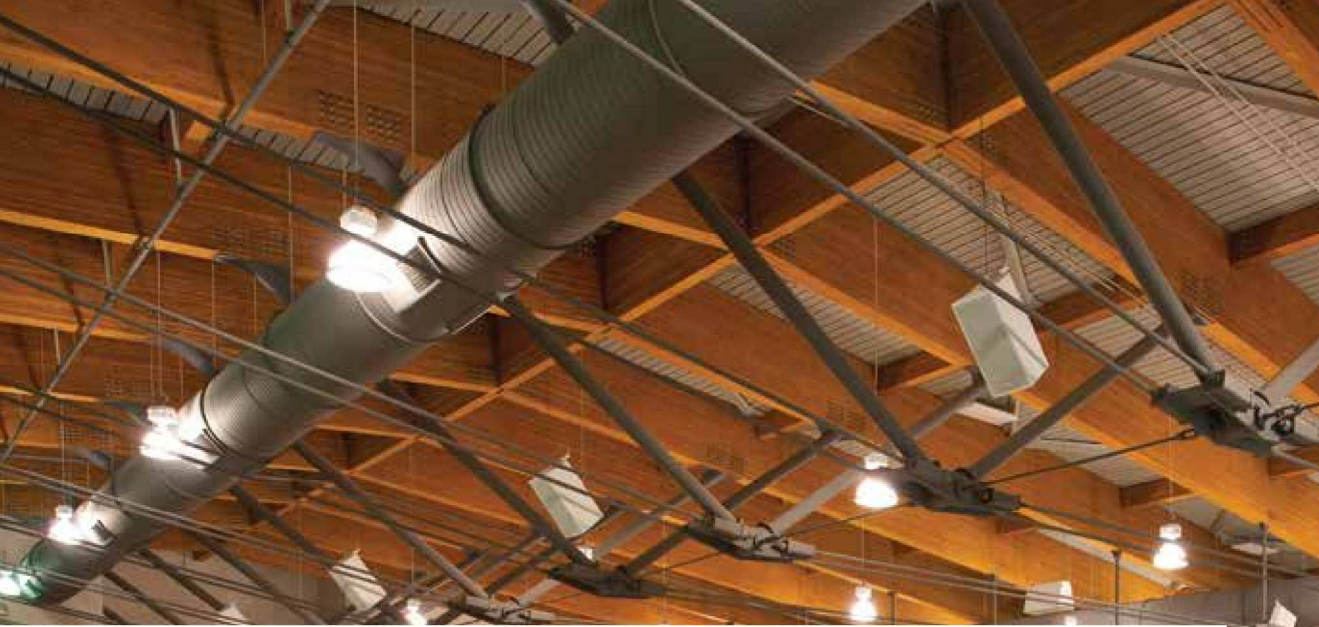
### Reveal LOK 2.0 or RL2.0



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### Reveal LOK 3.5 or RL3.5





# **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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