

For welds, Ideal Roofing Company Limited IRD-150 steel roof deck is secured to the building structural supports spaced at the maximum center to center spans shown in the following table.

<b>Deck Yield (psi)</b>	<b>33000</b>
<b>Weld Spacing (in.)</b>	<b>6</b>
<b>Weld Diameter (in.)</b>	<b>0.75</b>

Ideal Roofing IRD-150 steel deck						
Deck Design Thickness	Wind Rating – One Span					
	1-60		1-75		1-90	
MSG (in.[mm])	in.	mm	in.	mm	in.	mm
16 (0.0598[1.52])	99	2515	99	2515	99	2515
18 (0.0478[1.21])	90	2286	90	2286	90	2286
20 (0.0359[0.91])	78	1981	78	1981	78	1981
22 (0.0299[0.76])	71	1803	71	1803	71	1803
Deck Design Thickness	Wind Rating – Two Span					
	1-60		1-75		1-90	
MSG (in.[mm])	in.	mm	in.	mm	in.	mm
16 (0.0598[1.52])	117	2972	117	2972	117	2972
18 (0.0478[1.21])	106	2692	106	2692	106	2692
20 (0.0359[0.91])	92	2337	92	2337	92	2337
22 (0.0299[0.76])	84	2134	84	2134	84	2134
Deck Design Thickness	Wind Rating – Three or More Span					
	1-60		1-75		1-90	
MSG (in.[mm])	in.	mm	in.	mm	in.	mm
16 (0.0598[1.52])	117	2972	117	2972	117	2972
18 (0.0478[1.21])	106	2692	106	2692	106	2692
20 (0.0359[0.91])	92	2337	92	2337	92	2337
22 (0.0299[0.76])	84	2134	84	2134	84	2134

For welds, Ideal Roofing Company Limited IRD-300 steel roof deck is secured to the building structural supports spaced at the maximum center to center spans shown in the following table.

<b>Deck Yield (psi)</b>	<b>33000</b>
<b>Weld Spacing (in.)</b>	<b>7</b>
<b>Weld Diameter (in.)</b>	<b>0.75</b>

Ideal Roofing IRD-300 steel deck						
Deck Design Thickness	Wind Rating – One Span					
	1-60		1-75		1-90	
MSG (in.[mm])	in.	mm	in.	mm	in.	mm
16 (0.0598[1.52])	213	5410	213	5410	195	4953
18 (0.0478[1.21])	191	4851	190	4826	173	4394
20 (0.0359[0.91])	166	4216	162	4115	148	3759
22 (0.0299[0.76])	152	3861	145	3683	132	3353
Deck Design Thickness	Wind Rating – Two Span					
	1-60		1-75		1-90	
MSG (in.[mm])	in.	mm	in.	mm	in.	mm
16 (0.0598[1.52])	246	6248	219	5563	199	5055
18 (0.0478[1.21])	220	5588	195	4953	169	4293
20 (0.0359[0.91])	190	4826	155	3937	128	3251
22 (0.0299[0.76])	163	4140	129	3277	107	2718
Deck Design Thickness	Wind Rating – Three or More Span					
	1-60		1-75		1-90	
MSG (in.[mm])	in.	mm	in.	mm	in.	mm
16 (0.0598[1.52])	251	6375	245	6223	222	5639
18 (0.0478[1.21])	225	5715	218	5537	199	5055
20 (0.0359[0.91])	195	4953	189	4801	160	4064
22 (0.0299[0.76])	179	4547	162	4115	134	3404



# Certificate of Compliance

This certificate is issued for the following:

IRD-150 and IRD-300 Standard Steel Roof Deck

**Prepared for:**

Ideal Roofing Company Ltd  
1418 Michael St  
Ottawa, ON K1B 3R2  
Canada

FM Approvals Class: 4451

Approval Identification: 3059782

Approval Granted: 3/24/2017

To verify the availability of the Approved product, please refer to [www.roofnav.com](http://www.roofnav.com)

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in dark ink that reads 'Cynthia E Frank'.

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Cynthia Frank  
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