Distributed by Ideal Roofing Company Ltd. Manufacturers

THE IDEAL GUARD

Installed on a roof, the « Ideal Guard » helps protect against falling ice & snow, and can be installed on any type of roof (metal, shingle, slate, tile and cedar shakes).

The « Ideal Guard » components are:

* **1/8" (3.2mm) thick Galvanized G-90 steel brackets with one or more 1 1/4" (32mm) diameter holes inserted with a special plastic protector. Each bracket includes: 8 screws (14 x 2 HHA), with neoprene washers ;**

* **A Galvanized G-90 steel tube of 1/16" (1,5mm) thick x 1" (25,4mm) diameter x 4' (1,21m) long with a reduced 3" (75mm) ferrule - 45" (1,14m) coverage.**

The « Ideal Guard » is offered in ten standard colors:

Black (QC: 8262)	White (QC: 8317)
Stone grey (QC: 8305)	Coffee (QC: 8326)
Red (QC: 8250)	Forest green (QC: 8307)
Bright red (QC: 8386)	Medium green (QC: 8329)
Charcoal (QC: 8306)	Slate blue (QC: 8260)

Also available in galvanized G.90 steel and all other colors (on request).

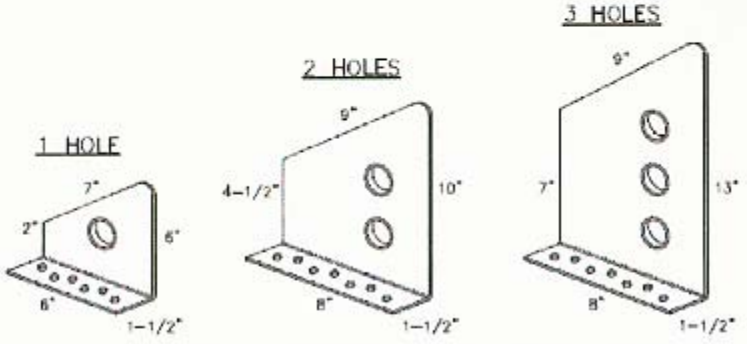
Recommendations:

Brackets should be installed at 2 feet centres for an 800 pound distributed load.

Fastening requirements / wood	**Minimum 3/4" (19mm)**
Fastening requirements / steel	**Minimum .049" (1.25mm)**

N.B.. 1, 2, 3 or 4 hole brackets available.

Upon type of application, climatic situation and slope of the roof, another type of attachment could be requested..
We release ourselves from any responsability relative to the installation.

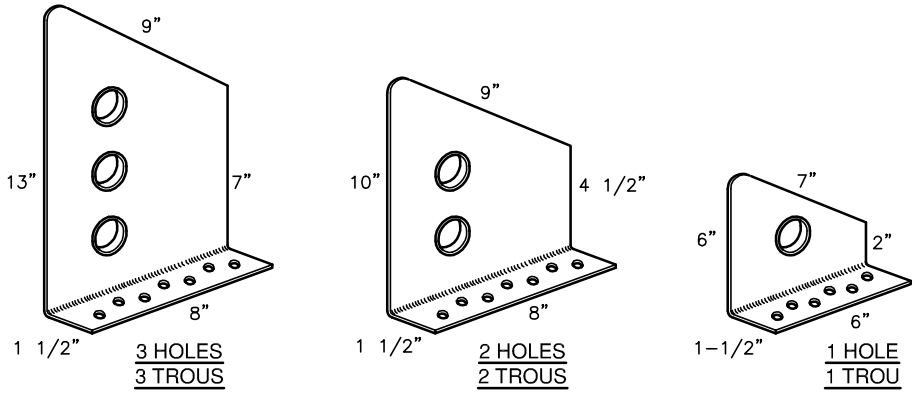


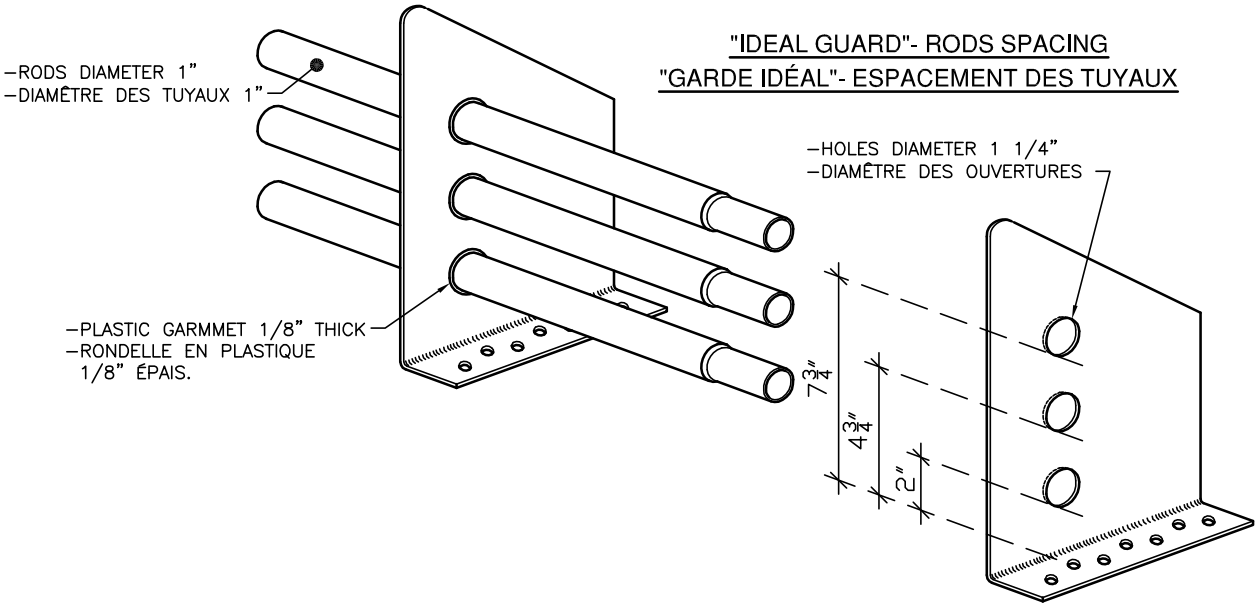
Manufactured by Reno Direct Inc., Canada

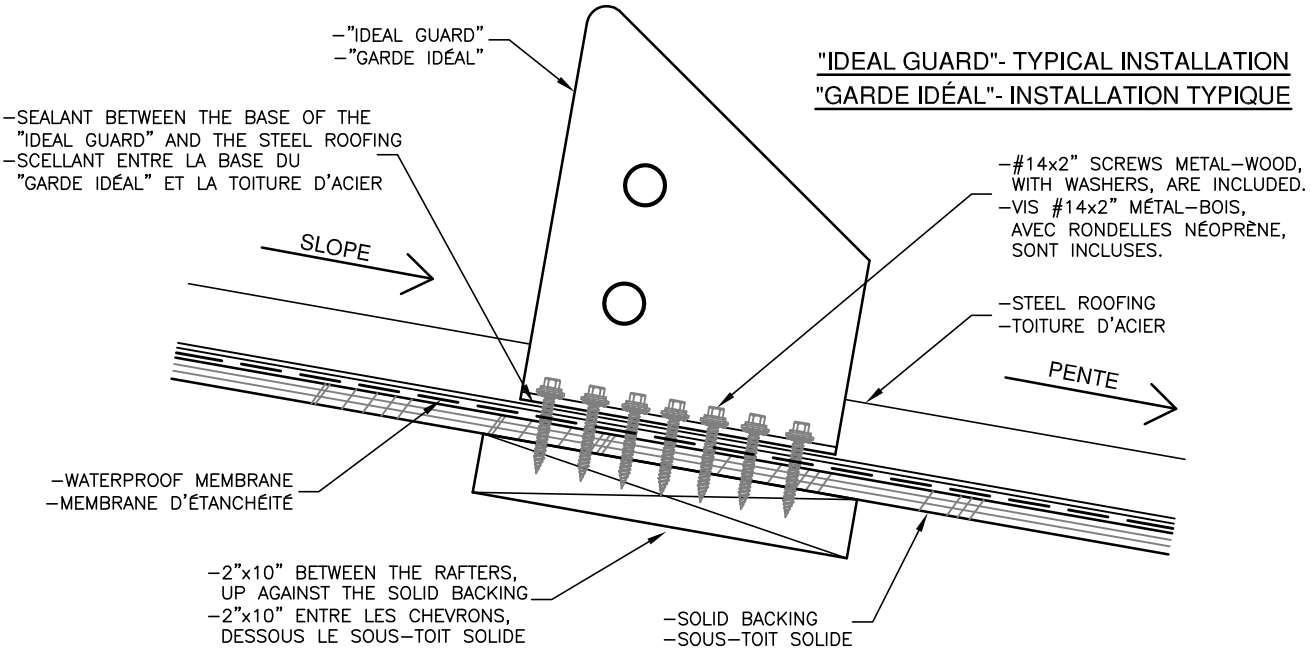
N.B. The distance between the tubes is 1 3/4" (44mm)

ideal roofing
Company Ltd Manufacturers
idéal revêtement
Compagnie Ltee Manufacturiers
1418, rue Michael St., Ottawa, Ont. K1B 3R2
TEL. (613) 746-3206 FAX (613) 746-0445

"IDEAL GUARD"
"GARDE IDEAL"







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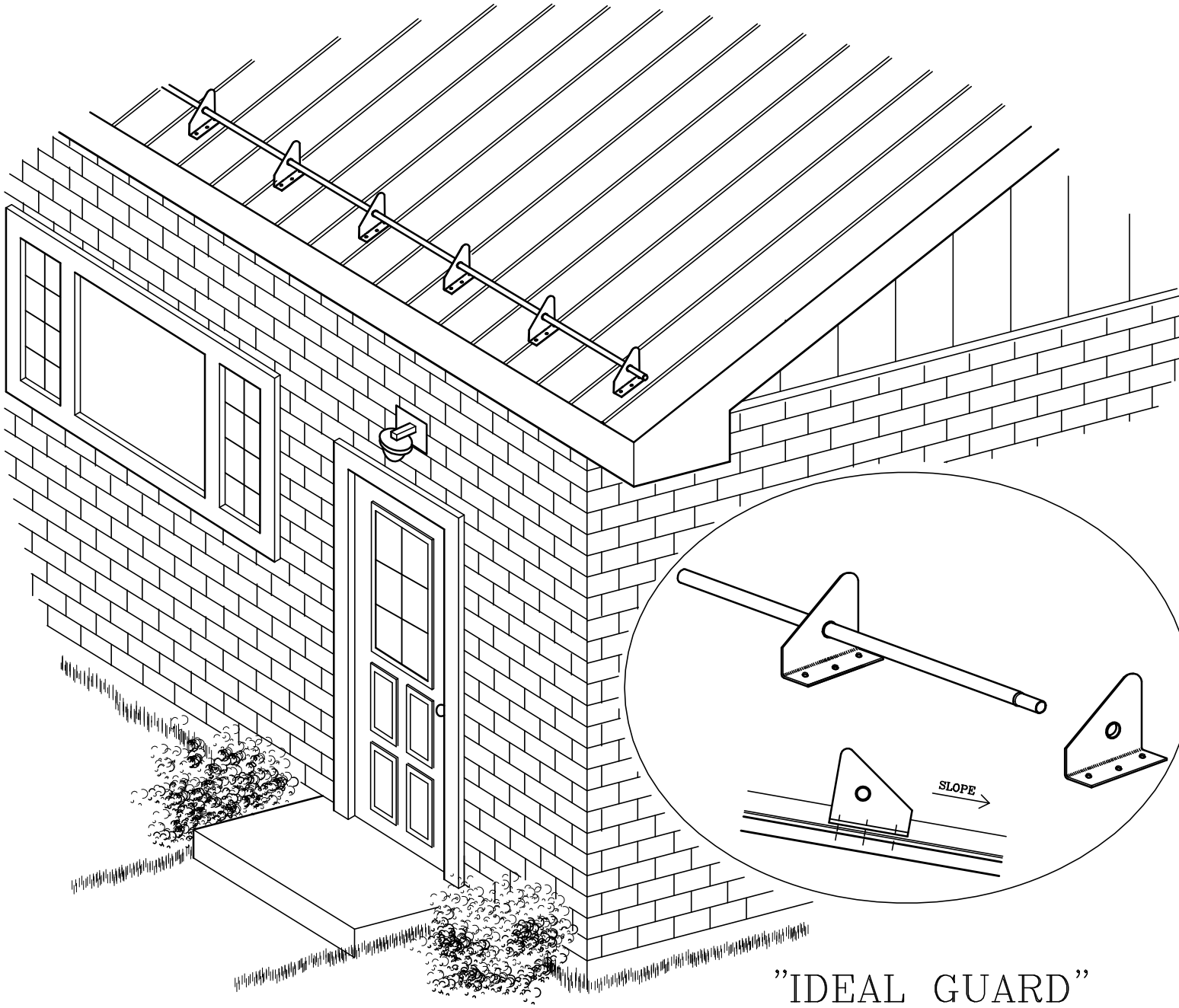

"IDEAL GUARD"
(BRACKETS; 1 HOLE)

IDEALGRD1.DWG REV. 19 DEC '02

CHARTE DES POUSSÉES DE NEIGE

EN FONCTION DE LA PENTE DE TOIT, DE L'ÉPAISSEUR ET DE L'ÉTENDUE D'ACCUMULATION

PENTE			PIEDS	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
			POUCES	12	18	24	30	36	42	48	54	60	66	72
			LBS/PI-2	25.0	37.5	50.0	62.5	75.0	87.5	100.0	112.5	125.0	137.5	150.0
			KPA	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	7.2
1/12	ESPACEMENT DES SUPPORTS @ 2'-0 C/C (600MM)	ÉTENDUE DE L'ACCUMULATION @ 10'-0 (304MM)		40	60	80	100	120	140	160	180	200.0	220	240
2/12				80	120	160	200	240	280	320	360	400	440	480
3/12				120	180	240	300	360	420	480	540	600	660	720
4/12				155	231	308	384	461	538	615	692	769	846	923
5/12				190	283	375	469	563	656	750	844	938	1031	1125
6/12				223	332	442	553.1	663.8	744.4	885	995.6	1106	1217	132.8
7/12				255	382.5	510	637.5	765	892.5	1020	1148	1275	1403	1530
8/12				277.5	416.3	555	693.8	832.5	971.3	1110	1249	1380	1526	1665
9/12				300	450	600	750	900	1050	1200	1350	1500	1650	1800
10/12				318.3	477.5	636.6	795.8	954.9	1114	1273	1432	1592	1751	1910
11/12				336.7	505	673.3	841.7	1010	1178	1347	1515	1683	1852	2020
12/12				355	533	710	888	1065	1243	1420	1598	1775	1953	2130

POUSSÉE MAXIMUM PAR ÉPAISSEUR DE NEIGE, ESPACEMENT DE 2'-O & RECUL DE 10'-0

GARDE IDÉAL

	1'-0	2'-0	3'-0	4'-0
2 BARRES; RESISTANCE MAXIMALE =	1520#	760#	510#	380#
3 BARRES; RESISTANCE MAXIMALE =	2280#	1140#	765#	570#

SNOW PRESSURE TABLE

AS A FONCTION OF THE ROOF'S SLOPE, THE SNOW'S THICKNESS AND WIDTH

SLOPE	FEET INCHES		1,0 12	1,5 18	2,0 24	2,5 30	3,0 36	3,5 42	4,0 48	4,5 54	5,0 60	5,5 66	6,0 72
	LBS/SQ.FT KPA		25,0 1,2	37,5 1,8	50,0 2,4	62,5 3	75,0 3,6	87,5 4,2	100,0 4,8	112,5 5,4	125 6,0	137,5 6,6	150,0 7,2
1/12	SPACING BETWEEN VERTICAL SATANDS @ 2'-0 (600MM)	SNOW ACCUMULATION WIDTH @ 10'-0 (304MM)	40	60	80	100	120	140	160	180	200,0	220	240
2/12			80	120	160	200	240	280	320	360	400	440	480
3/12			120	180	240	300	360	420	480	540	600	660	720
4/12			155	231	308	384	461	538	615	692	769	846	923
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11/12			336,7	505	673,3	841,7	1010	1178	1347	1515	1683	1852	2020
12/12			355	533	710	888	1065	1243	1420	1598	1775	1953	2130

MAXIMUM PRESSURE AS A FUNCTION OF SNOW THICKNESS WITH 2'-0 SPACING & 10'-0 SNOW WIDTH

IDEAL GUARD

2 CROSSBARS; MAXIMUM MECHANICAL RESISTANCE=

3 CROSSBARS; MAXIMUM MECHANICAL RESISTANCE=

1'-0	2'-0	3'-0	4'-0
1520#	760#	510#	380#
2280#	1140#	765#	570#