



## Nailbase No. 4001

**Subject:** Foam-Control Nailbase - Fastening Requirements for Sloped Roofs

**Date:** March 2008 (Revised Jan. 2010)

Minimum fastening requirements for Foam-Control Nailbase have been calculated in accordance with ASCE 7-05 Method 2, Exposure C, Importance factor of 1.0, a maximum roof height of 60 ft. For projects with snow loads and wind speeds in excess of 110 mph, consult a professional engineer for fastening requirements.

### Field of Roof

Number of Fasteners for 4' x 8' (1.2m x 2.4m) Nailbase										
Total Load (Snow Load + Dead Load)	Roof Slope									
	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
<b>30 psf</b>	8	8	8	8	8	8	8	8	8	8
<b>40 psf</b>	8	8	8	8	8	8	8	8	12	12
<b>50 psf</b>	8	8	8	8	12	12	12	12	12	12
<b>60 psf</b>	8	8	8	12	12	12	12	12	12	12
<b>70 psf</b>	8	8	12	12	12	12	16	16	16	16
<b>80 psf</b>	8	12	12	12	16	16	16	16	16	16
<b>90 psf</b>	8	16	16	16	16	16	16	16	16	16

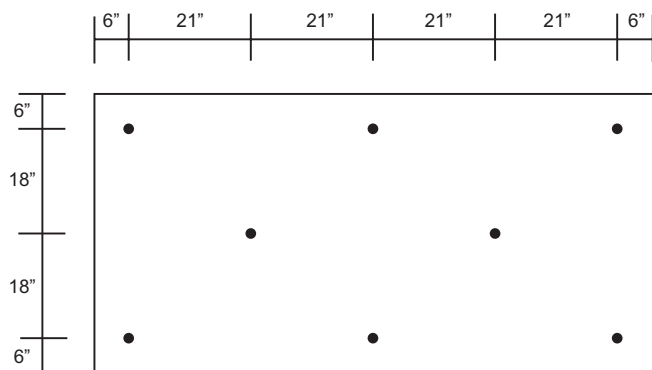
### Perimeter of Roof

Number of Fasteners for 4' x 8' (1.2m x 2.4m) Nailbase										
Total Load (Snow Load + Dead Load)	Roof Slope									
	3/12	4/12	5/12	6/12	7/12	8/12	9/12	10/12	11/12	12/12
<b>30 psf</b>	16	16	16	16	8	8	8	8	8	8
<b>40 psf</b>	16	16	16	16	8	8	8	8	12	12
<b>50 psf</b>	16	16	16	16	12	12	12	12	12	12
<b>60 psf</b>	16	16	16	16	12	12	12	12	12	12
<b>70 psf</b>	16	16	16	16	12	12	16	16	16	16
<b>80 psf</b>	16	16	16	16	16	16	16	16	16	16
<b>90 psf</b>	16	16	16	16	16	16	16	16	16	16

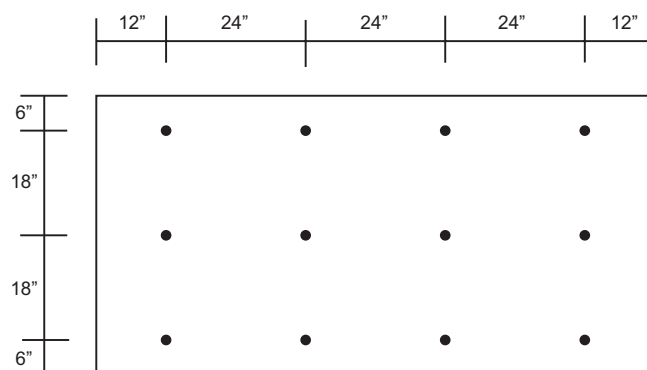
The values in the tables are applicable to R-Control Wood Screws when installed into a SPF or equal wood deck (min. 1" penetration) and to R-Control Metal Deck Screws when installed into a steel deck (22 min. gauge).



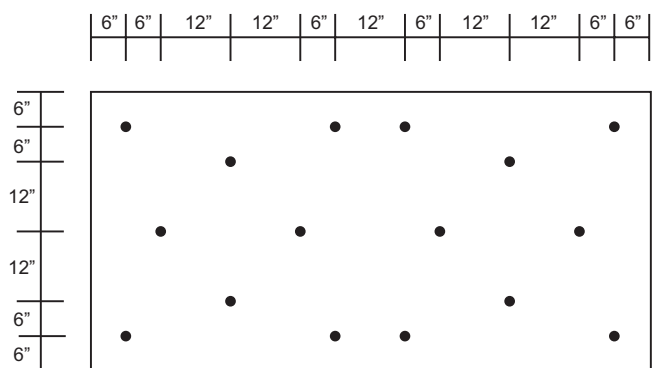
**Fastening Patterns for 4' x 8' Nailbase**



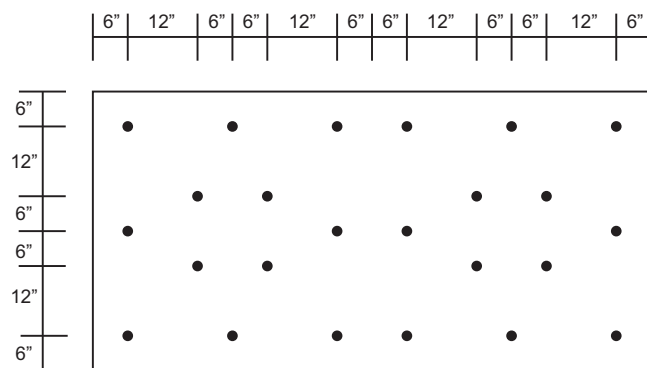
**8 Fasteners/Bd.**



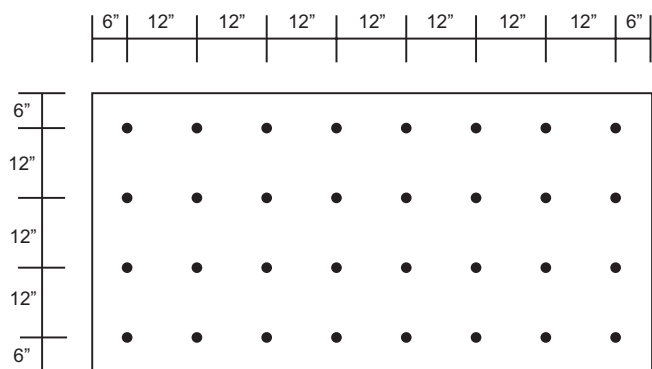
**12 Fasteners/Bd.**



**16 Fasteners/Bd.**



**24 Fasteners/Bd.**



**32 Fasteners/Bd.**



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