

## NAILBASE NO. 4001

**SUBJECT: FASTENING REQUIREMENTS FOR SLOPED ROOFS**

**DATE: MARCH 2008 (REVISED JANUARY 2019)**

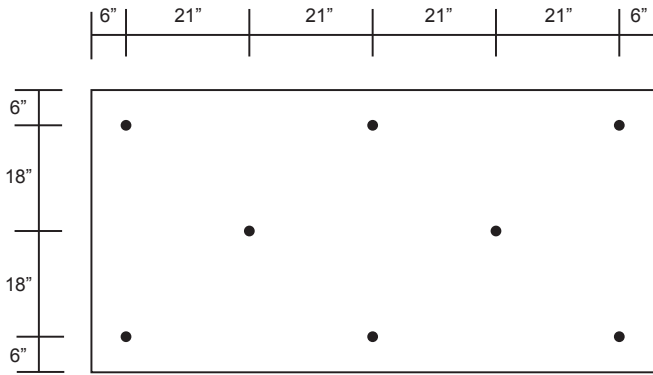
Minimum fastening requirements for R-Shield® Nailbase have been calculated in accordance with ASCE 7-05 Method 2, Exposure C, Importance factor of 1.0, a maximum roof height of 60 ft. For projects with snow loads and wind speeds in excess of 110 mph, consult a professional engineer for fastening requirements.

<b>FIELD OF ROOF</b>										
<b>Number of Fasteners for 4' x 8' (1.2m x 2.4m) Nailbase</b>										
<b>Total Load (Snow Load + Dead Load)</b>	<b>Roof Slope</b>									
	<b>3/12</b>	<b>4/12</b>	<b>5/12</b>	<b>6/12</b>	<b>7/12</b>	<b>8/12</b>	<b>9/12</b>	<b>10/12</b>	<b>11/12</b>	<b>12/12</b>
<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

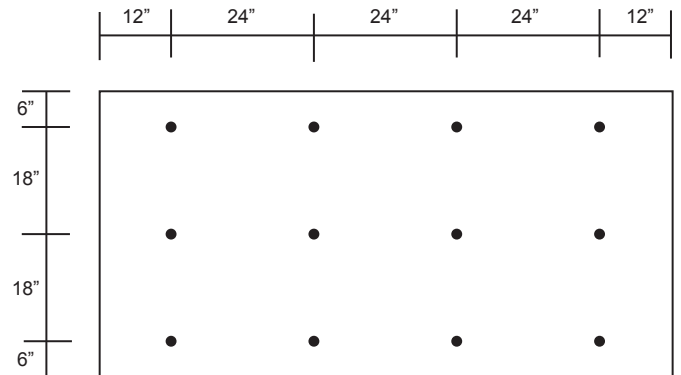
<b>PERIMETER OF ROOF</b>										
<b>Number of Fasteners for 4' x 8' (1.2m x 2.4m) Nailbase</b>										
<b>Total Load (Snow Load + Dead Load)</b>	<b>Roof Slope</b>									
	<b>3/12</b>	<b>4/12</b>	<b>5/12</b>	<b>6/12</b>	<b>7/12</b>	<b>8/12</b>	<b>9/12</b>	<b>10/12</b>	<b>11/12</b>	<b>12/12</b>
<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).

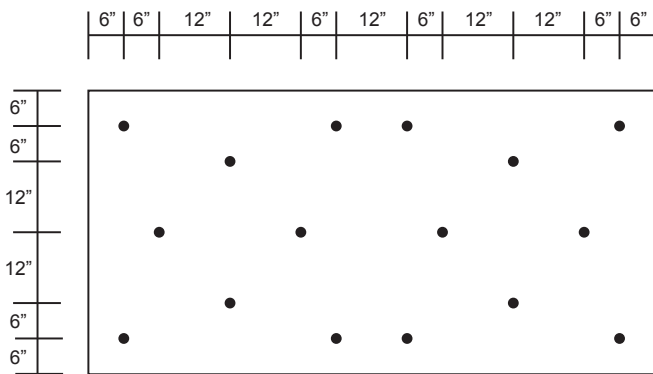
**FASTENING PATTERNS FOR 4' X 8' NAILBASE**



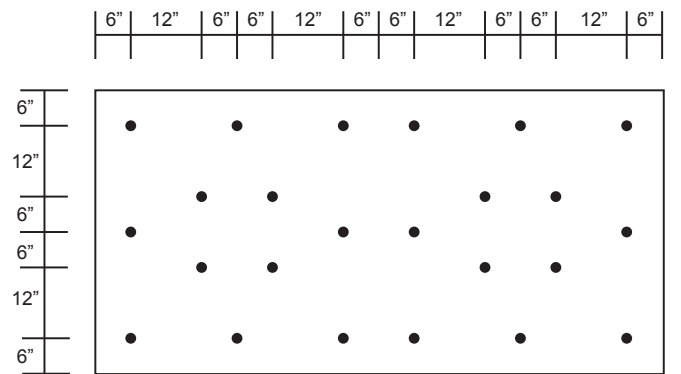
**8 FASTENERS/BD.**



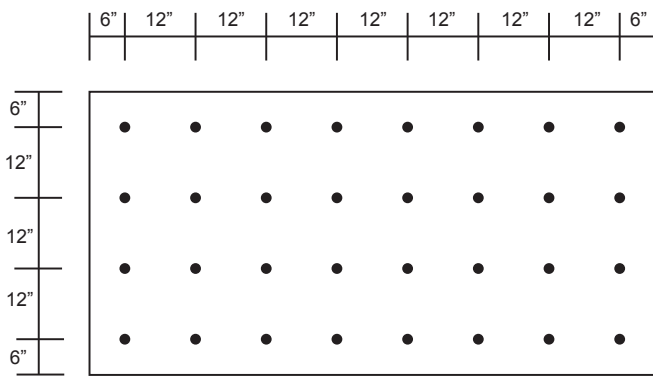
**12 FASTENERS/BD.**



**16 FASTENERS/BD.**



**24 FASTENERS/BD.**



**32 FASTENERS/BD.**