

Insulation Attachment Patterns

The diagrams below show the required patterns for proper placement of approved fasteners and plates for insulation on Standard Firestone 55 mph Roofing Systems.

The most common fastener density and pattern requirements are shown on this technical information sheet. Certain specifications may call for increased densities of fasteners in the perimeters and corners of roofs. For non-standard fastener densities, contact Firestone Technical Services or visit the Firestone Technical Database at www.firestonebpc.com.

Minimum Number of Fasteners and Plates:

For Mechanically Fastened Systems

Insulation	Thickness	4' x 4' Boards	4' x 8' Boards
All Approved	All Approved	4	5

For Mechanically Fastened Systems with an Air/Vapour Barrier

Insulation	Thickness	4' x 4' Boards	4' x 8' Boards
Firestone ISO 95+	0.5"-1.4"	8	16
	1.5"-1.9"	6	12
	2" or Greater	4	8

Minimum Number of Fasteners and Plates:

For Non-Mechanically Fastened Systems

Insulation	Thickness	4' x 4' Boards	4' x 8' Boards
Firestone ISO 95+	0.5"-1.4"	8	16
	1.5"-1.9"	6	12
	2" or Greater	4	8
Firestone CoverDeck 3/8" (0.375")		7	14
Firestone CoverDeck 5/8" (0.625")		7	14
Firestone RetroGard	0.5"	8	16
Firestone HailGard	Min. 1.5"	8	16
Firestone FiberTop	0.5"-1"	8	16

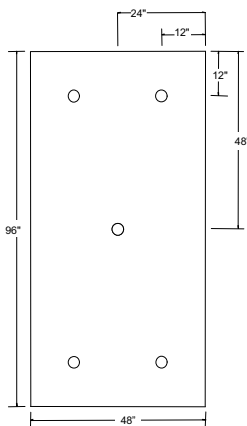
DensDeck® 1/4", 1/2", and 5/8"

EPDM, TPO	0.25"	8	16
	0.50"	6	12
	0.625"	4	8
Asphalt Systems	0.25"-0.625"	6	12

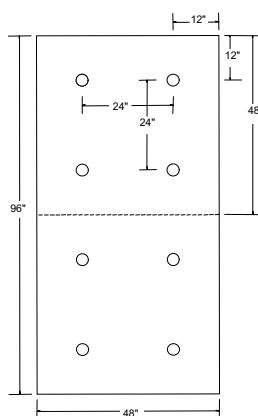
DensDeck Prime® 1/4", 1/2", and 5/8"

EPDM, TPO	0.25"	6	12
	0.50"	5	10
	0.625"	4	8
Asphalt Systems	0.25"-0.625"	4	8

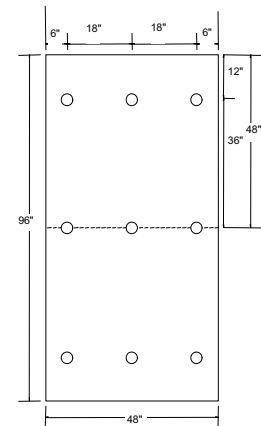
The following Attachment diagrams represent a 4' x 8' insulation board. Please refer to the above mentioned attachment patterns for a specific board attachment rate. For further information relating to attachment patterns or system specifications please refer to the Firestone Technical Database at www.firestonebpc.com.



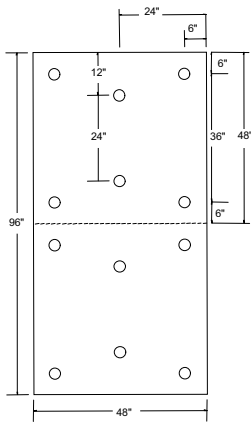
5 fasteners



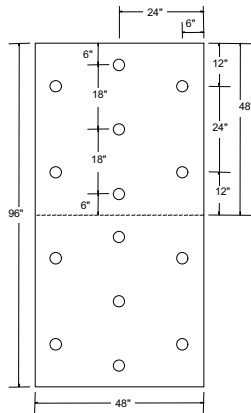
8 fasteners



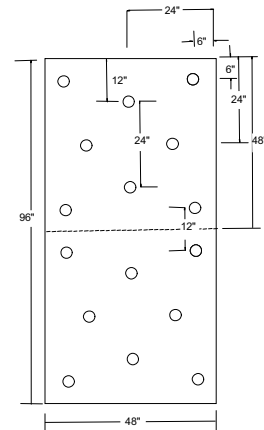
9 fasteners



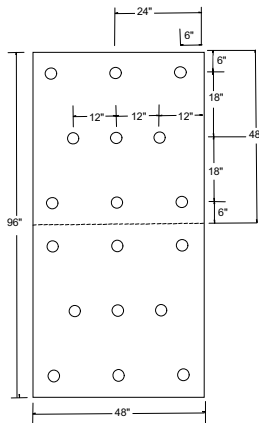
12 fasteners



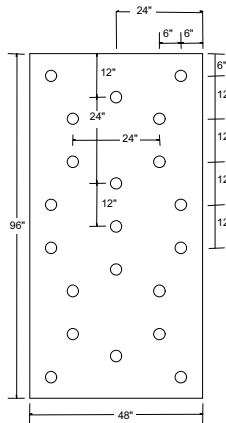
14 fasteners



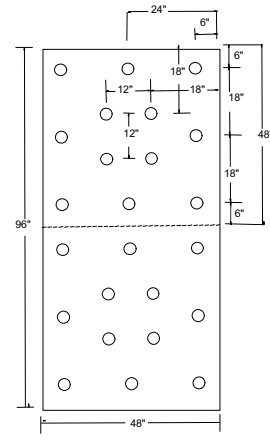
16 fasteners



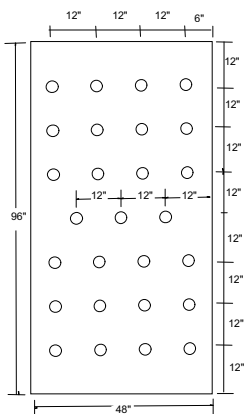
18 fasteners



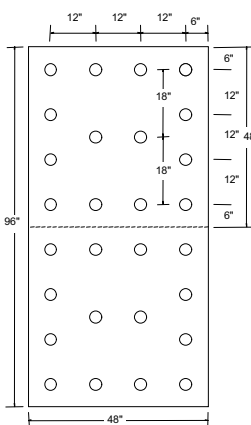
21 fasteners



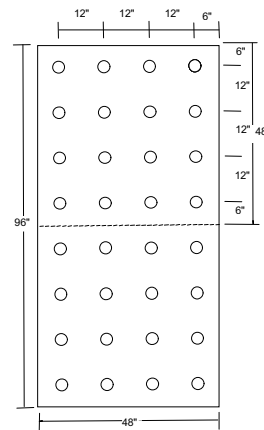
24 fasteners



27 fasteners



28 fasteners



32 fasteners

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