

Sika Sarnafil

World Class Roofing and Waterproofing

ROOFING TECHNICAL BULLETIN

#10-13

To: Roofing Consultants
Authorized Roofing Applicators
Sika Sarnafil Sales Staff & Sales Representatives
Sika Sarnafil Regional Technical Staff
Sika Sarnafil Customer Service Staff
Sika Sarnafil Services Staff
Sika Sarnafil Marketing

From: Sika Sarnafil Technical Service Department

Date: November 25, 2013

Subject: REVISED Insulation Fastening Patterns for Adhered Systems

On Sika Sarnafil's adhered membrane projects, it is important to properly attach the insulation or roof board chosen for the project with its corresponding fastening attachment specification in order to meet Sika Sarnafil, Vendor, FM and / or other technical requirements. Depending on the wind uplift values set forth in the specifications, the number of fasteners to be used and their proper spacing arrangement on the board can be found on the following pages for current insulation and roof board products Sika Sarnafil offers.



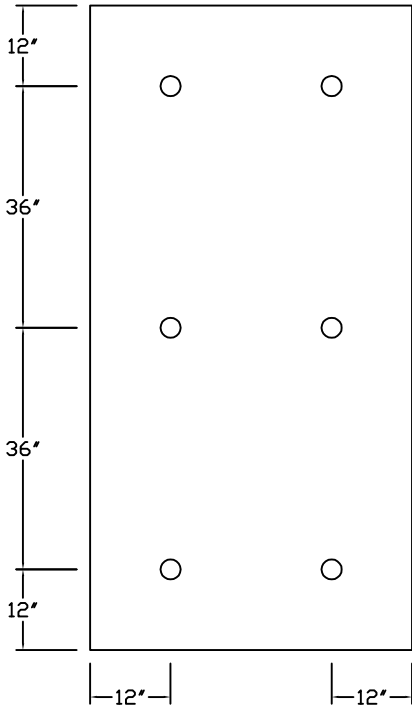
Sika Sarnafil, A Division of Sika Corporation, 100 Dan Road, Canton, MA 02021
Tel. 800-451-2504, Fax: 781-828-5365, www.sikacorp.com

Sarnafil®

Min Number of Fasteners for Adhered Applications								
4'x8' Product	Board Thickness and Corresponding FM Approved Uplift Value							
Polyiso	6	8	10	11	12	14	15	16
Sarnatherm A	-	min 2" thick 1-90	-	1.5"-1.95" thick 1-90	-	-	-	1.3"-1.45" thick 1-90
Atlas AC II & III								
Atlas AC IV	min 2" thick 1-90	min 1" thick 1-90	-	min 2" thick 1-120	-	-	-	min 2" thick 1-135
Sarnatherm	-	min 2" thick 1-90	-	1.5"-1.95" thick 1-90	min 2" thick 1-105	-	-	-
Hunter H-Shield & CG								
Sarnatherm M	-	min 2" thick 1-90	-	-	-	-	-	min 1.5" thick 1-90
JM Enrgy3								
Gypsum	6	8	10	11	12	14	15	16
DensDeck	-	5/8" thick 1-90	min 1/2" thick 1-60	-	min 1/4" thick 1-60	-	-	-
DensDeck Prime	-	5/8" thick 1-90	min 1/2" thick 1-90	-	min 1/4" thick 1-90	-	-	-
Securock	-	min 1/2" thick 1-90	5/8" thick 1-105	-	min 3/8" thick 1-90*	-	min 1/4" thick 1-90**	5/8" thick 1-180
High Density Coverboard	6	8	10	11	12	14	15	16
Sarnatherm-A HD	-	1-60	-	-	1-75	1-90	-	-
Atlas AC-HS (1/2")								
Sarnatherm-H HD	-	-	-	-	1-75	-	-	1-90
Hunter H-Shield HD (1/2")								
Sarnatherm-M HD	-	-	-	-	-	-	-	1-90
JM Invinsa RB (1/4")								
<p>The following attachments are based on FM approved steel and concrete applications using appropriate fasteners and plates. On any project, roof attachment components should be confirmed with owners insurance requirements. See specific fastener layouts on proceeding pages.</p> <p>* min 1/2" thick 1-120, 5/8" thick 1-135 ** min 3/8" thick 1-105, 5/8" thick 1-165</p>								

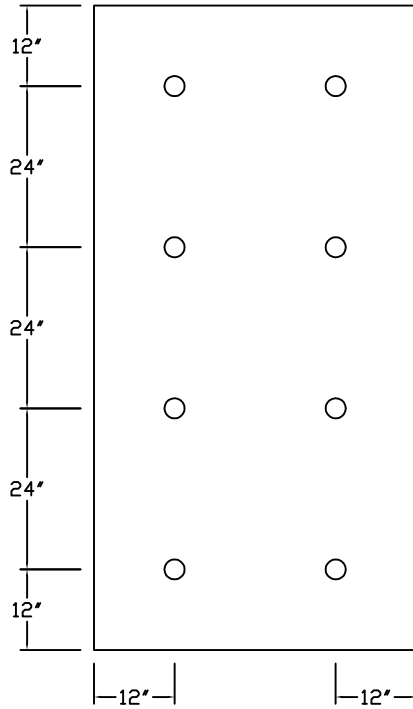
ATLAS

6 FASTENERS



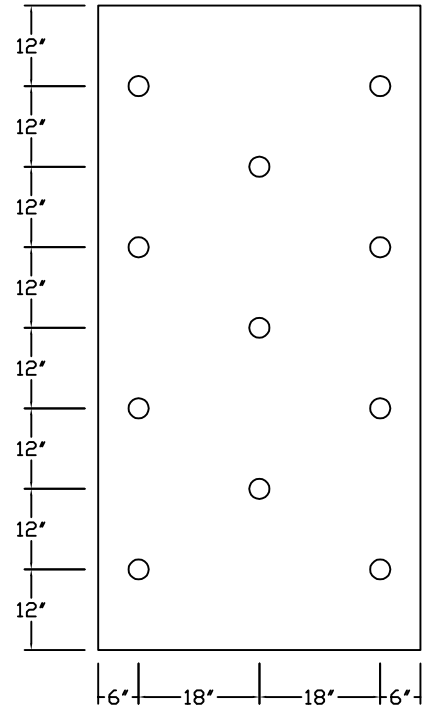
ATLAS AC IV
MIN 2" (1-90)

8 FASTENERS



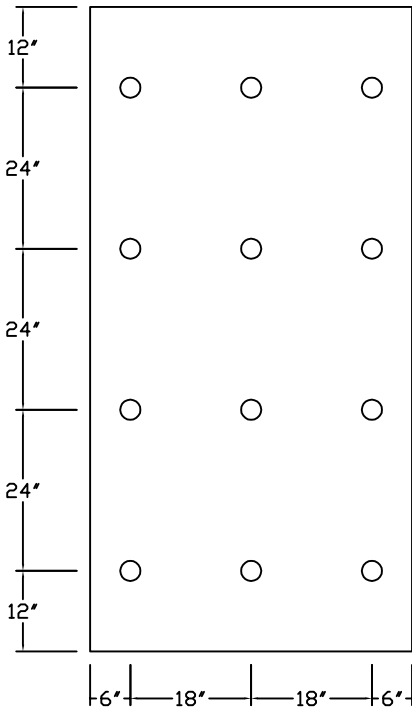
SARNATHERM A
MIN 2" (1-90)
ATLAS AC IV MIN 1" (1-90)
SARNATHERM-A HD (1-60)

11 FASTENERS



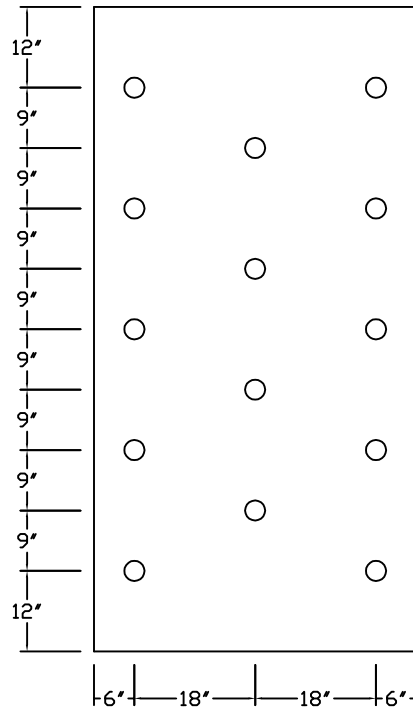
SARNATHERM A
MIN 1.5"-1.95" (1-90)
ATLAS AC IV
MIN 2" (1-120)

12 FASTENERS



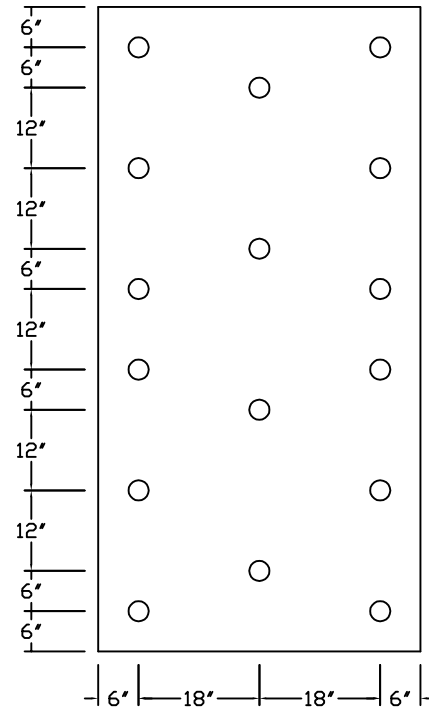
SARNATHERM-A HD
(1-75)

14 FASTENERS



SARNATHERM-A HD
(1-90)

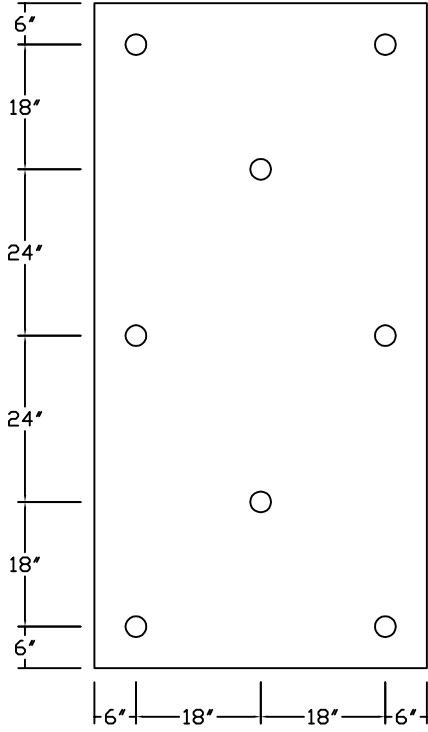
16 FASTENERS



SARNATHERM A
MIN 1.3"-1.45" (1-90)
ATLAS AC IV
MIN 2" (1-135)

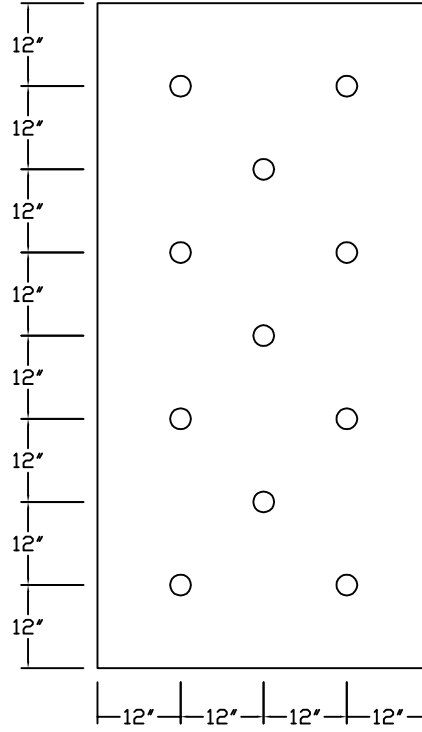
HUNTER

8 FASTENERS



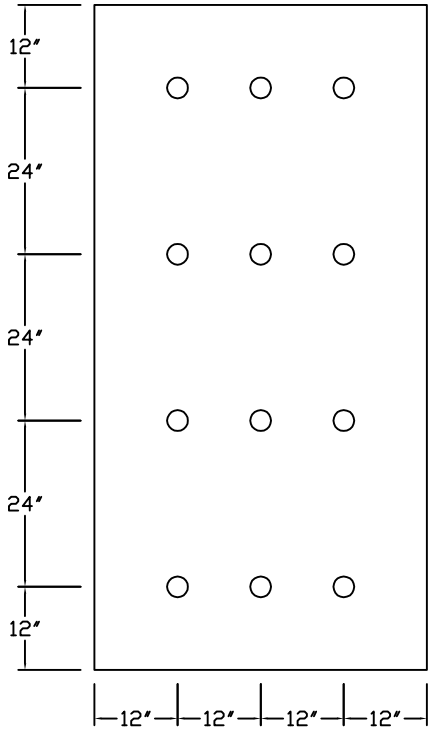
SARNATHERM
MIN 2" (1-90)

11 FASTENERS



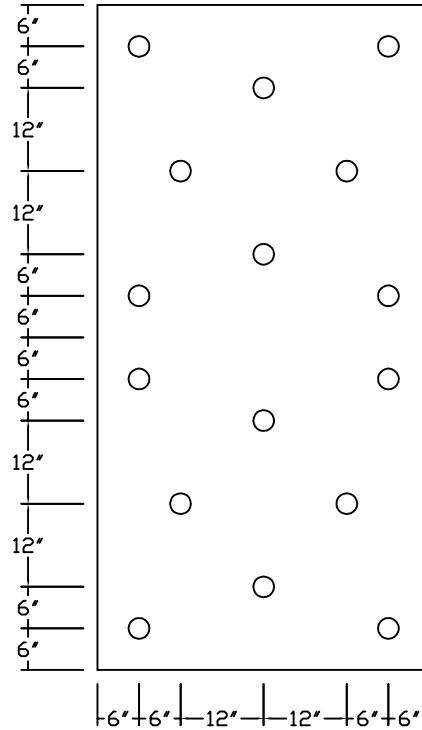
SARNATHERM
MIN 1.5"-1.95" (1-90)

12 FASTENERS



SARNATHERM
MIN 2" (1-105)
SARNATHERM-H HD
(1-75)

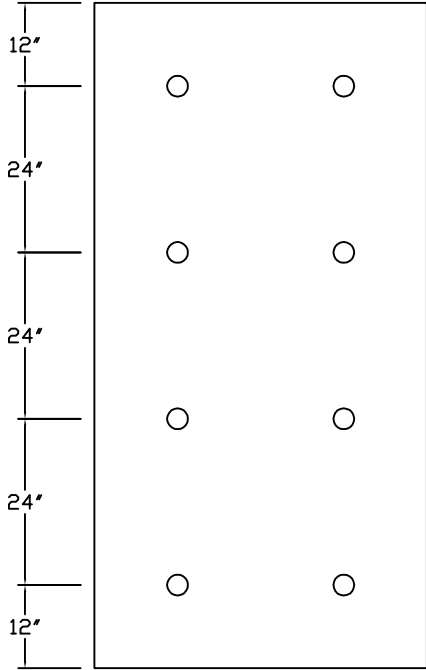
16 FASTENERS



SARNATHERM-H HD
(1-90)

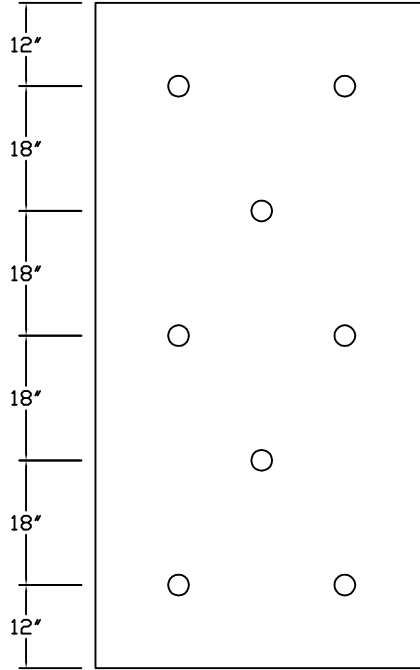
DENSDECK

8 FASTENERS



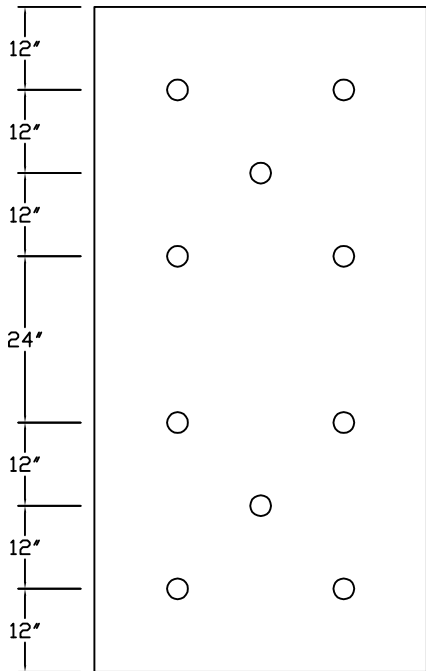
DENSDECK & PRIME
MIN $\frac{5}{8}$ " (1-90)

8 FASTENERS



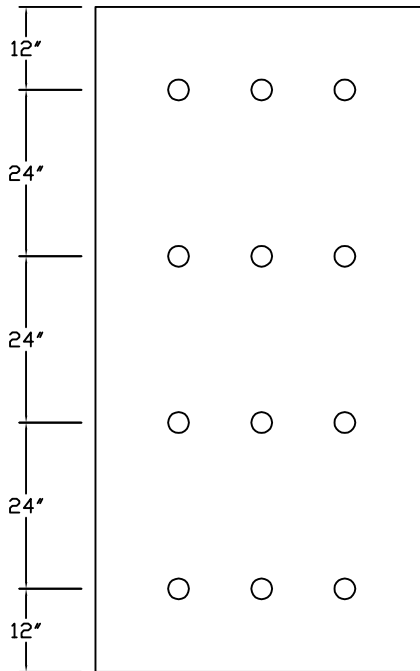
DENSDECK & PRIME
MIN $\frac{5}{8}$ " (1-90)
(OPTION)

10 FASTENERS



DENSDECK MIN $\frac{1}{2}$ " (1-60)
DENSDECK PRIME
MIN $\frac{1}{2}$ " (1-90)

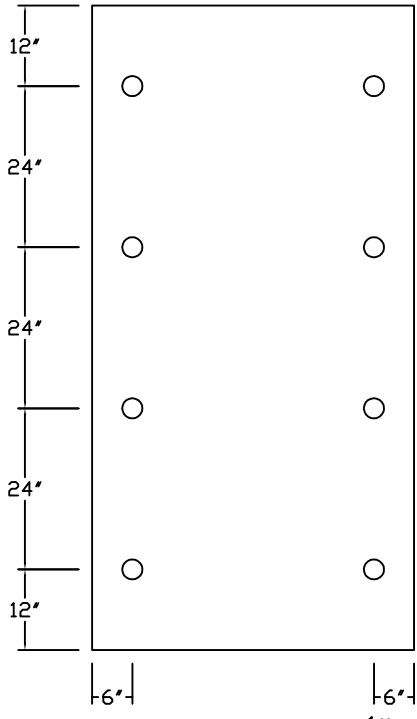
12 FASTENERS



DENSDECK MIN $\frac{1}{4}$ " (1-60)
DENSDECK PRIME
MIN $\frac{1}{4}$ " (1-90)

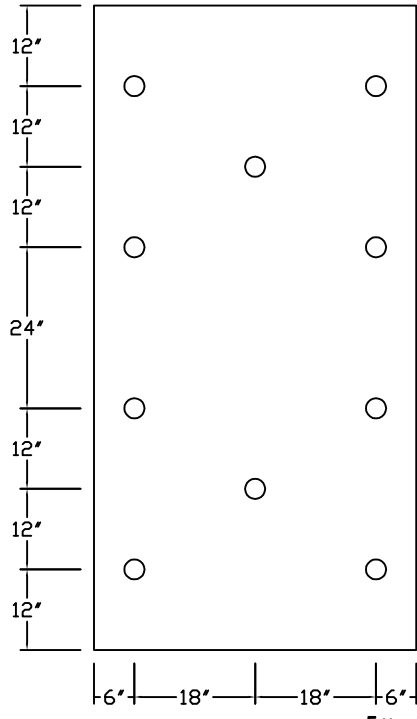
SECUROCK & JM

8 FASTENERS



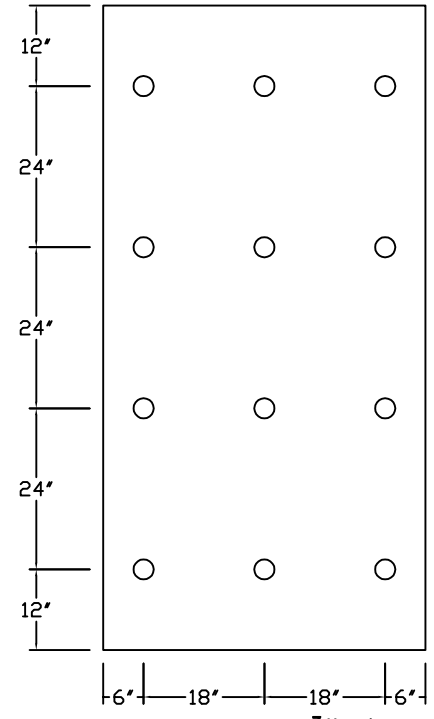
SECUROCK MIN $\frac{1}{2}$ " (1-90)
 SARNATHERM M MIN 2" (1-90)

10 FASTENERS



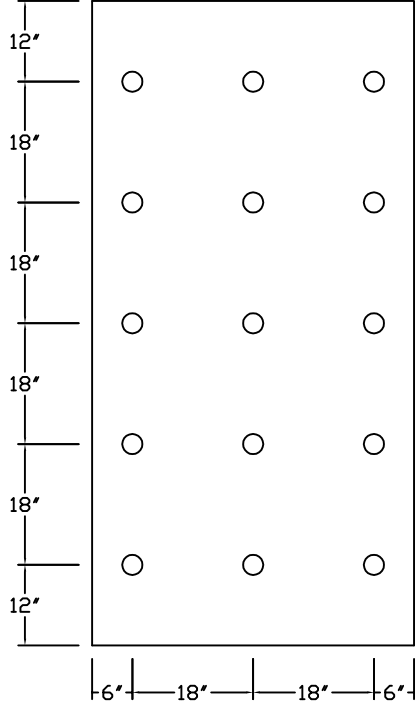
SECUROCK MIN $\frac{5}{8}$ " (1-105)

12 FASTENERS



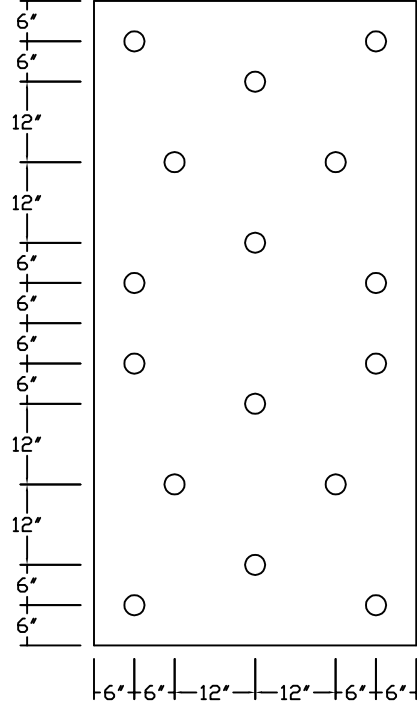
SECUROCK MIN $\frac{3}{8}$ " (1-90)
 SECUROCK MIN $\frac{1}{2}$ " (1-120)
 SECUROCK MIN $\frac{5}{8}$ " (1-135)

15 FASTENERS



SECUROCK MIN $\frac{1}{4}$ " (1-90)
 SECUROCK MIN $\frac{3}{8}$ " (1-105)
 SECUROCK MIN $\frac{5}{8}$ " (1-165)

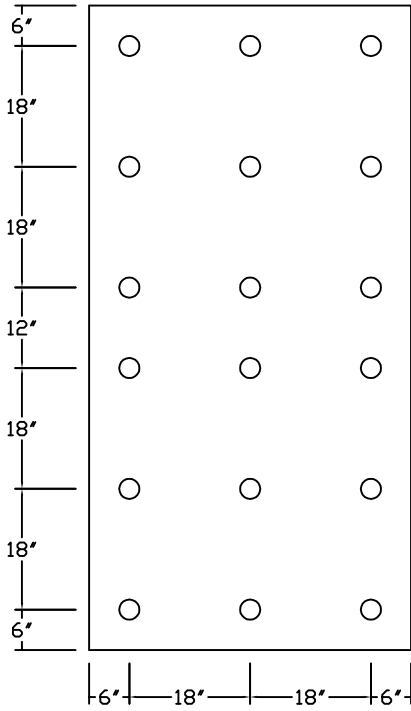
16 FASTENERS



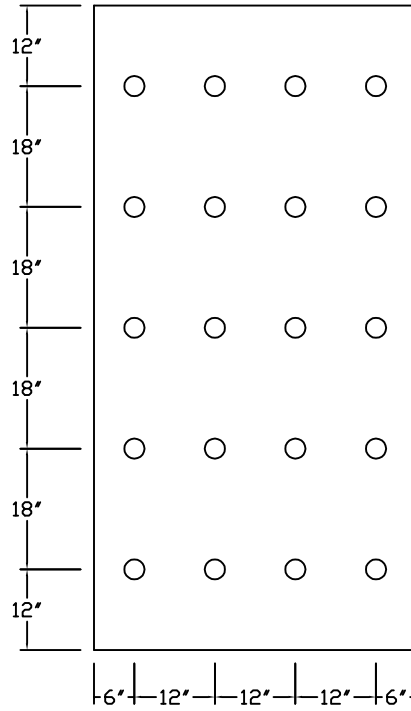
SECUROCK MIN $\frac{5}{8}$ " (1-180)
 SARNATHERM-M HD (1-90)

MISC.

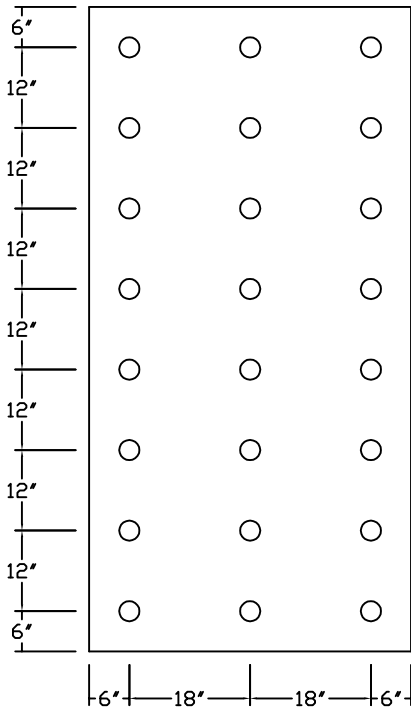
18 FASTENERS



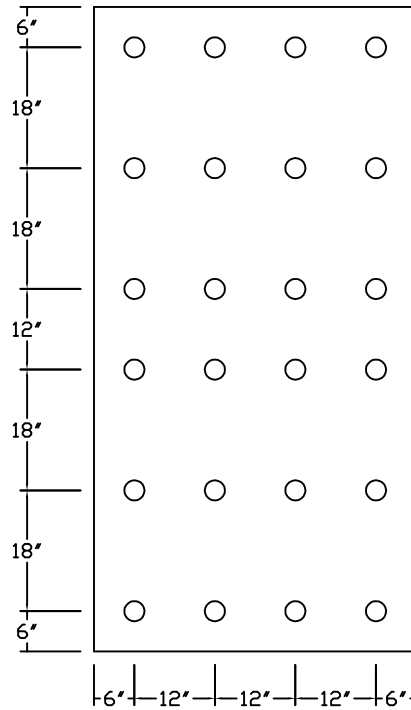
20 FASTENERS



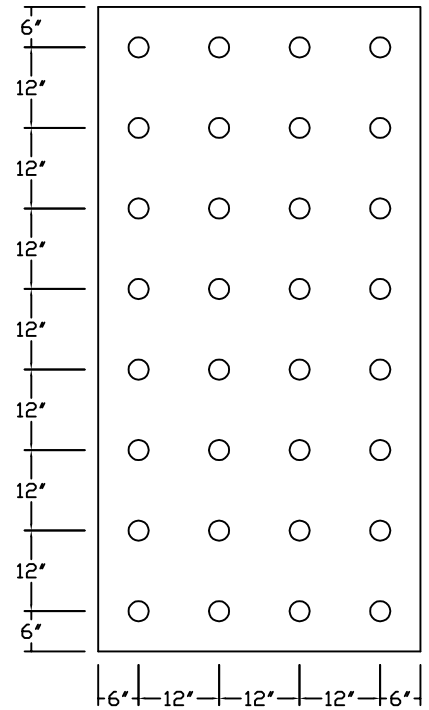
24 FASTENERS



24 FASTENERS

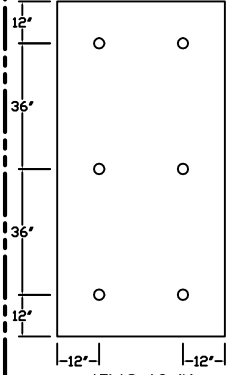


32 FASTENERS



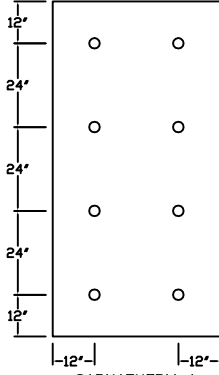
ATLAS

6 FASTENERS



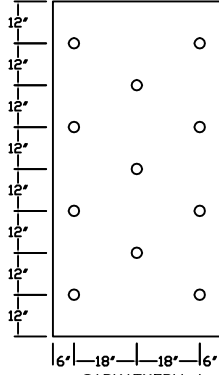
ATLAS AC IV
MIN 2" (1-90)

8 FASTENERS



SARNATHERM A
MIN 2" (1-90)
ATLAS AC IV MIN 1" (1-90)
SARNATHERM-A HD (1-60)

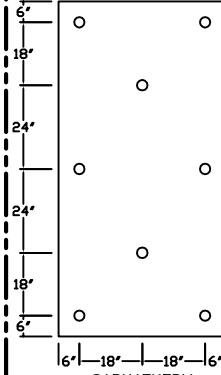
11 FASTENERS



SARNATHERM A
MIN 1.5"-1.95" (1-90)
ATLAS AC IV
MIN 2" (1-120)

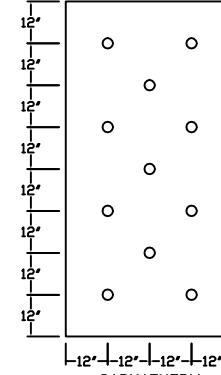
HUNTER

8 FASTENERS



SARNATHERM
MIN 2" (1-90)

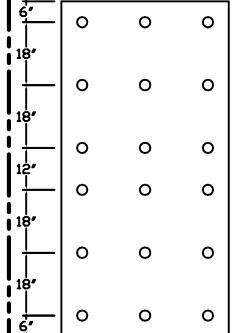
11 FASTENERS



SARNATHERM
MIN 1.5"-1.95" (1-90)

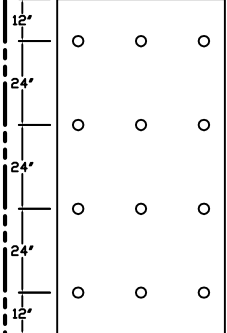
MISC.

18 FASTENERS



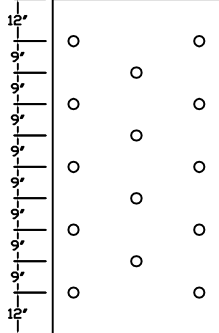
6' 18' 18' 6'

12 FASTENERS



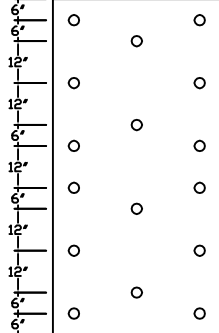
SARNATHERM-A HD
(1-75)

14 FASTENERS



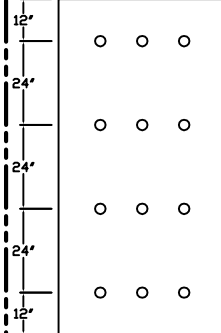
SARNATHERM-A HD
(1-90)

16 FASTENERS



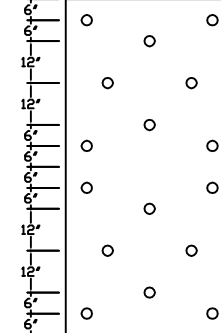
SARNATHERM A
MIN 1.3"-1.45" (1-90)
ATLAS AC IV
MIN 2" (1-135)

12 FASTENERS



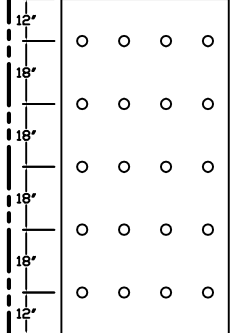
SARNATHERM
MIN 2" (1-105)
SARNATHERM-H HD
(1-75)

16 FASTENERS



SARNATHERM-H HD
(1-90)

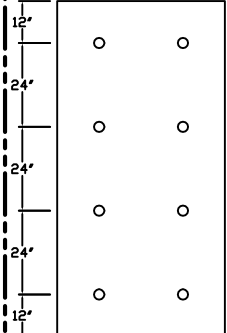
20 FASTENERS



6' 12' 12' 12' 6'

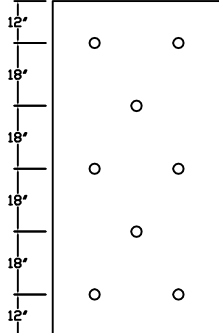
DENSDECK

8 FASTENERS



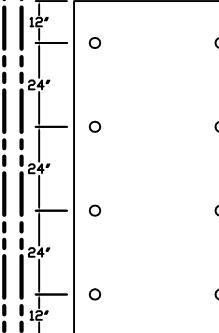
DENSDECK & PRIME
MIN 3/8" (1-90)

8 FASTENERS



DENSDECK & PRIME
MIN 3/8" (1-90)
(OPTION)

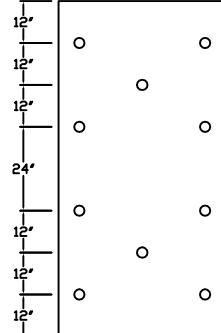
8 FASTENERS



* SARNATHERM M
MIN 2" (1-90)
SECUROCK MIN 1/2"
(1-90)

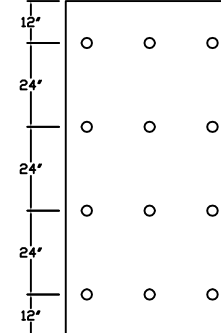
*JM & SECUROCK

10 FASTENERS



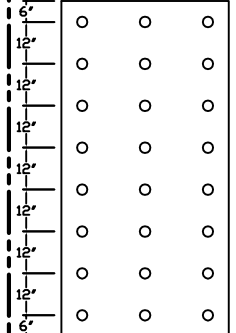
SECUROCK MIN 3/8"
(1-105)

12 FASTENERS



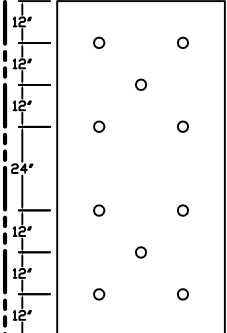
SECUROCK MIN 3/8" (1-90)
SECUROCK MIN 1/2" (1-120)
SECUROCK MIN 5/8" (1-135)

24 FASTENERS



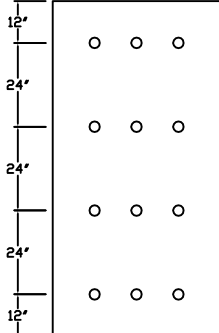
6' 18' 18' 6'

10 FASTENERS



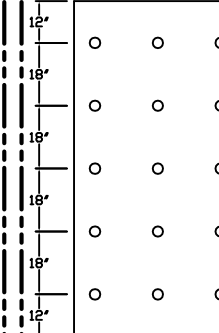
DENSDECK MIN 1/2" (1-60)
DENSDECK PRIME
MIN 1/2" (1-90)

12 FASTENERS



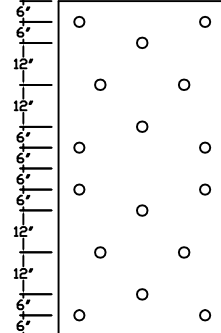
DENSDECK MIN 1/2" (1-60)
DENSDECK PRIME
MIN 1/2" (1-90)

15 FASTENERS



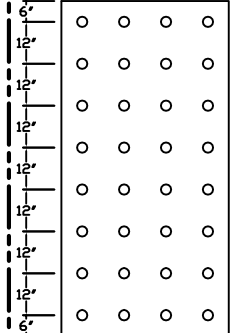
SECUROCK MIN 1/2" (1-90)
SECUROCK MIN 3/8" (1-105)
SECUROCK MIN 5/8" (1-165)

16 FASTENERS



* SARNATHERM M
MIN 1.5" (1-90)
* SARNATHERM-M HD (1-90)
SECUROCK MIN 3/8" (1-180)

32 FASTENERS



6' 12' 12' 12' 12' 12' 6'