



Drawing Register

ALIMATS®

Product Description:

ALIMATS® are made from recycled certified extruded Aluminium. This fully load tested interlocking system enables greater structural performance and is handleable for two people to easily offload and position. ALIMATS® are suitable for Cranes, MEWPS, Scissor Lifts, Concrete Pumps and Scaffolding.

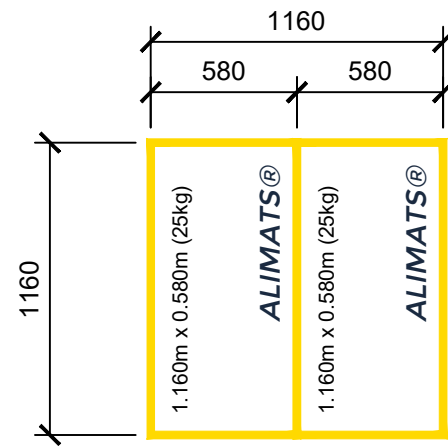
Drawing Register:

Outrigger Mat Plan Dimensions	Outrigger Mat Area	Drawing Reference	Drawing Revision
1.160m x 1.160m	1.346m ²	A-BIL-3M-134	C3
1.740m x 1.160m	2.018m ²	A-BIL-4M-201	C3
1.740m x 1.740m	3.028m ²	A-BIL-5M-302	C3
2.320m x 1.740m	4.037m ²	A-BIL-6M-403	C3
2.320m x 2.175m	5.046m ²	A-BIL-6M-504	C3
3.480m x 1.740m	6.055m ²	A-BIL-12M-605	C3
3.480m x 2.030m	7.064m ²	A-BIL-13M-706	C3
3.480m x 2.320m	8.073m ²	A-BIL-14M-807	C4

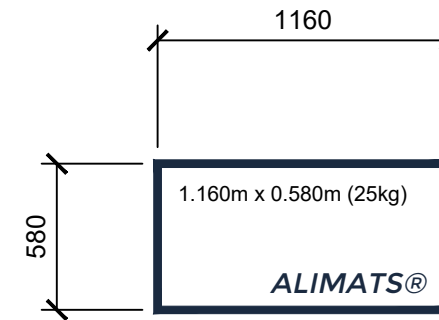
Powered Access

MEWPS/Scissors/Spider Cranes	Drawing Reference	Drawing Revision
Powered Access Example MEWP and Scissor Lift Tracking and Operating	A-BIL-354M-GA01	EX1
Pick and Carry Crane Example Tracking and Operating	A-BIL-138M-GA01	EX2
Spider MEWP/Crane Example Tracking and Operating	A-BIL-14M-GA01	EX3
Powered Access Example Scissor Lift Tracking and Operating	A-BIL-60M-GA01	EX4

DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK



Plan View - Base Layer



Plan View - Top Layer

Outrigger Pad - Supplied By Others

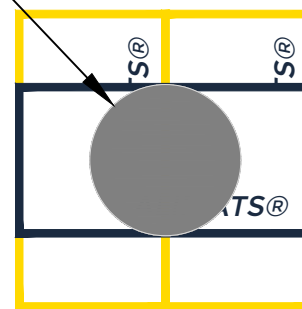
ALIMATS® INTERLOCKING MODULE QUANTITIES:

Base Layer: 2 number 1160mm x 580mm x 60mm
 Top Layer: 1 number 1160mm x 580mm x 60mm

Outrigger Pad: Supplied by others - Size shown indicative only

DESIGN NOTES:

- a. The purpose of outrigger mats is to spread the outrigger load over the entire mat area. To achieve this the material must be suitably stiff and be able to deflect in order to increase the area the load is applied to the ground, thus reducing the applied pressure. This will be dependant on the supporting ground and must be considered / specified within the Temporary Works design. Where outrigger mats are used on hard surface it is recommended that a compressible layer (ie: Ethafoam) is placed below the mat surface to ensure the system functions as structurally intended.
- b. For further guidance on section properties and or any other technical query please contact Brilliant Ideas Ltd on 01335 345 111 or enquiries@brilliantideasltd.co.uk
- c. All Temporary Works designs should be carried out by a competent Temporary Works Engineer, it is the Temporary Works Engineer's responsibility to ensure that the ALIMATS® system is suitable for their application.



Plan View - All Layers

IMPORTANT NOTICE - MODULE INTERLOCK:

Brilliant Ideas Ltd manufacture ALIMATS® from extruded Aluminium and the system has a fully patented interlocking design which enables monolithic action and bi-directional load spread. To ensure the system works as structurally intended the interlock must be engaged along the longitudinal joints.



INTERLOCK BEING ENGAGED DURING SITE SET-UP		
INTERLOCKED		
NO INTERLOCK		

Guidance on site placement refer to document: **Risk Assessment / Site Placement Guidelines**

Revision	Description	Date	Initial	Checked

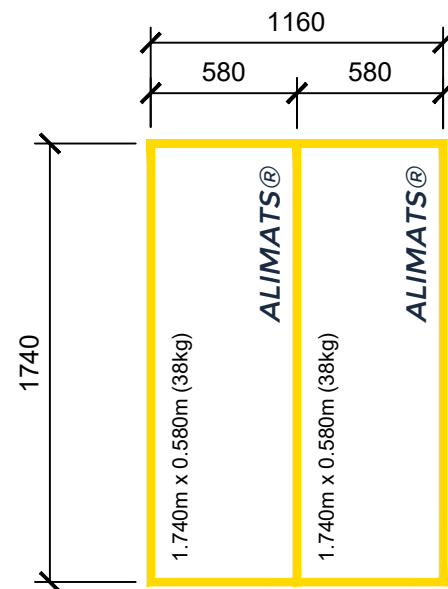


Brilliant Ideas Ltd
 New House Farm
 Belper Road
 Bradley
 Ashbourne
 DE6 1LP
 Website: www.brilliantideasltd.co.uk
 Telephone: +44 (0) 1335 345 111

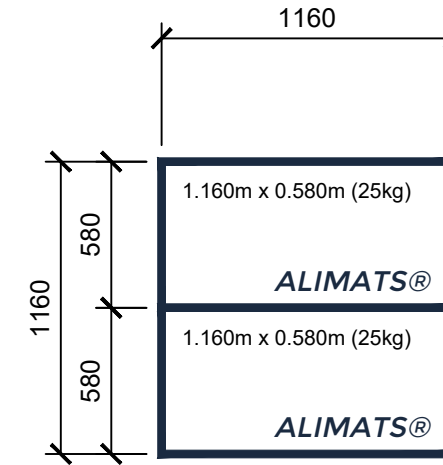
Drawing Title:
ALIMATS®
 Outrigger Mat General Arrangement
 Area: 1.34m² (1.16m x 1.16m)

Drawn By: DW	Scale @ A3: NTS (UNO)
Checked By: KH	Date: 02/02/2020
Drawing Number: A-BIL-3M-134	Revision: C3

DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK



Plan View - Base Layer



Plan View - Top Layer

Outrigger Pad - Supplied By Others

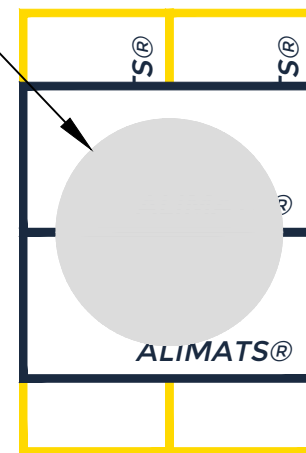
ALIMATS® INTERLOCKING MODULE QUANTITIES:

Base Layer: 2 number 1740mm x 580mm x 60mm
 Top Layer: 2 number 1160mm x 580mm x 60mm

Outrigger Pad: Supplied by others - Size shown indicative only

DESIGN NOTES:

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Plan View - All Layers

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INTERLOCK BEING ENGAGED DURING SITE SET-UP		
INTERLOCKED		
NO INTERLOCK		

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Revision	Description	Date	Initial	Checked

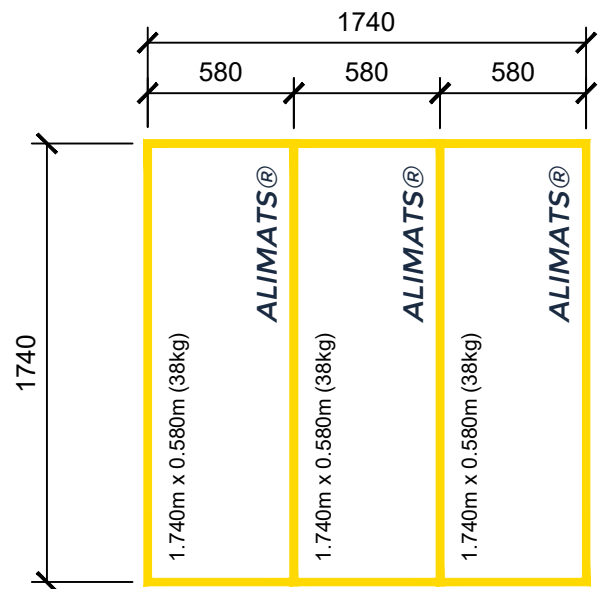


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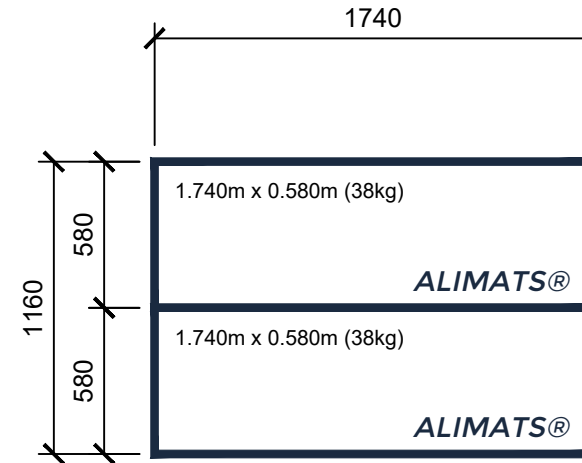
Drawing Title:
ALIMATS®
 Outrigger Mat General Arrangement
 Area: 2.01m² (1.74m x 1.16m)

Drawn By: DW	Scale @ A3: NTS (UNO)
Checked By: KH	Date: 02/02/2020
Drawing Number: A-BIL-4M-201	Revision: C3

DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK



Plan View - Base Layer



Plan View - Top Layer

Outrigger Pad - Supplied By Others

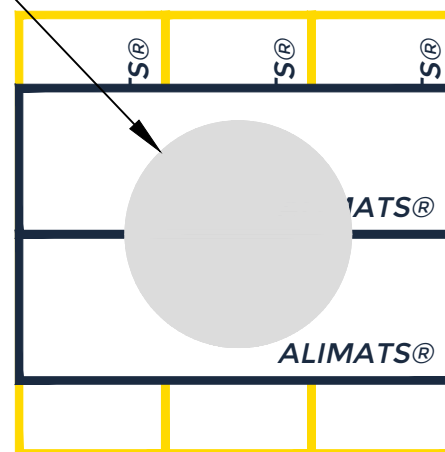
ALIMATS® INTERLOCKING MODULE QUANTITIES:

Base Layer: 3 number 1740mm x 580mm x 60mm
 Top Layer: 2 number 1740mm x 580mm x 60mm

Outrigger Pad: Supplied by others - Size shown indicative only

DESIGN NOTES:

- a. The purpose of outrigger mats is to spread the outrigger load over the entire mat area. To achieve this the material must be suitably stiff and be able to deflect in order to increase the area the load is applied to the ground, thus reducing the applied pressure. This will be dependant on the supporting ground and must be considered / specified within the Temporary Works design. Where outrigger mats are used on hard surface it is recommended that a compressible layer (ie: Ethafoam) is placed below the mat surface to ensure the system functions as structurally intended.
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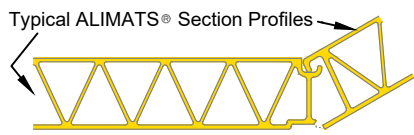







Plan View - All Layers

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INTERLOCK BEING ENGAGED DURING SITE SET-UP	 
INTERLOCKED	 
NO INTERLOCK	 

Guidance on site placement refer to document: **Risk Assessment / Site Placement Guidelines**

Revision	Description	Date	Initial	Checked

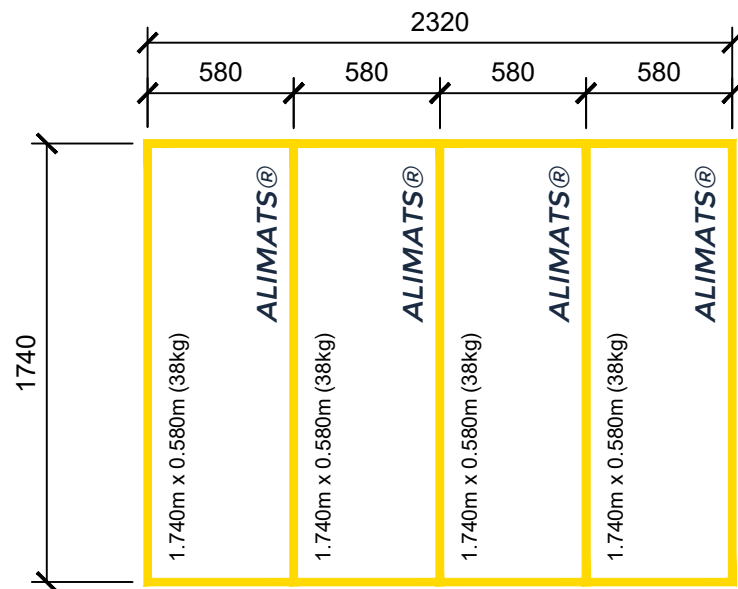


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 Ashbourne
 DE6 1LP
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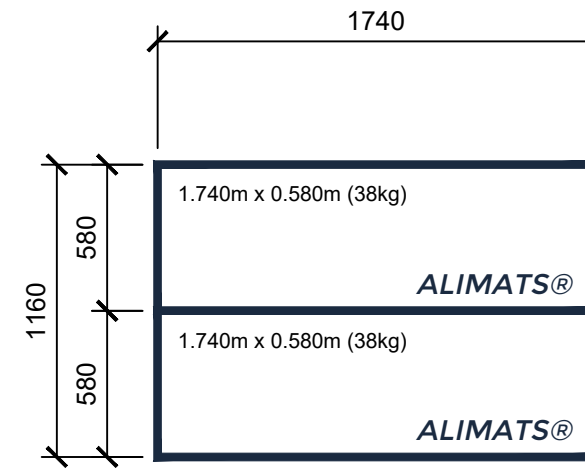
Drawing Title:
ALIMATS®
 Outrigger Mat General Arrangement
 Area: 3.02m² (1.74 x 1.74m)

Drawn By: DW	Scale @ A3: NTS (UNO)
Checked By: KH	Date: 02/02/2020
Drawing Number: A-BIL-5M-302	Revision: C3

DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK



Plan View - Base Layer



Plan View - Top Layer

Outrigger Pad - Supplied By Others

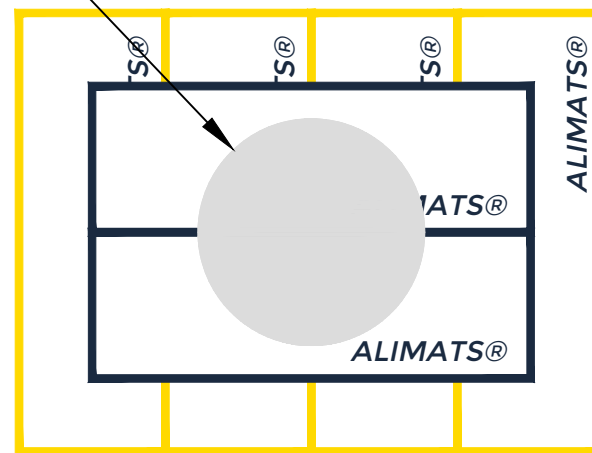
ALIMATS® INTERLOCKING MODULE QUANTITIES:

Base Layer: 4 number 1740mm x 580mm x 60mm
 Top Layer: 2 number 1740mm x 580mm x 60mm

Outrigger Pad: Supplied by others - Size shown indicative only

DESIGN NOTES:

- The purpose of outrigger mats is to spread the outrigger load over the entire mat area. To achieve this the material must be suitably stiff and be able to deflect in order to increase the area the load is applied to the ground, thus reducing the applied pressure. This will be dependant on the supporting ground and must be considered / specified within the Temporary Works design. Where outrigger mats are used on hard surface it is recommended that a compressible layer (ie: Ethafoam) is placed below the mat surface to ensure the system functions as structurally intended.
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Plan View - All Layers

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INTERLOCK BEING ENGAGED DURING SITE SET-UP	Typical ALIMATS® Section Profiles	Interlock Image
INTERLOCKED		<input checked="" type="checkbox"/>
NO INTERLOCK		<input type="checkbox"/>

Guidance on site placement refer to document: **Risk Assessment / Site Placement Guidelines**

Revision	Description	Date	Initial	Checked

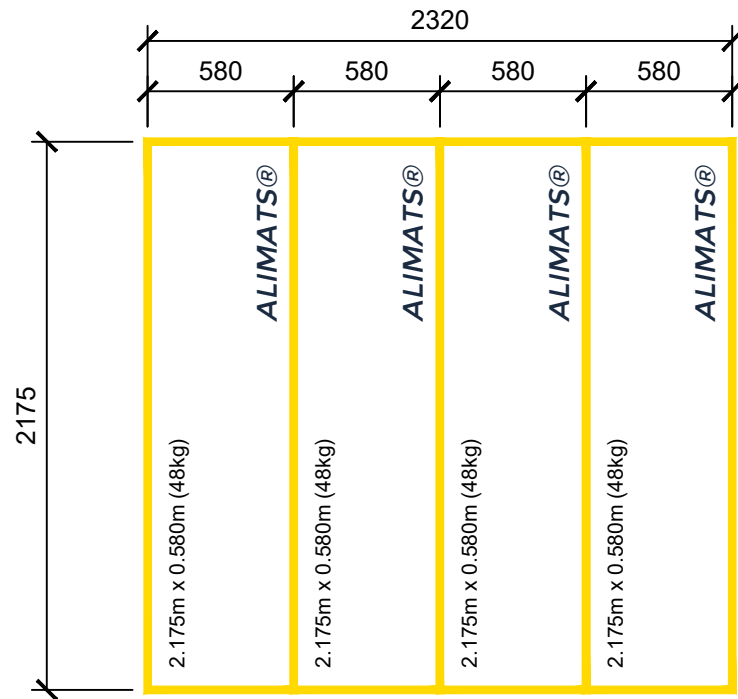


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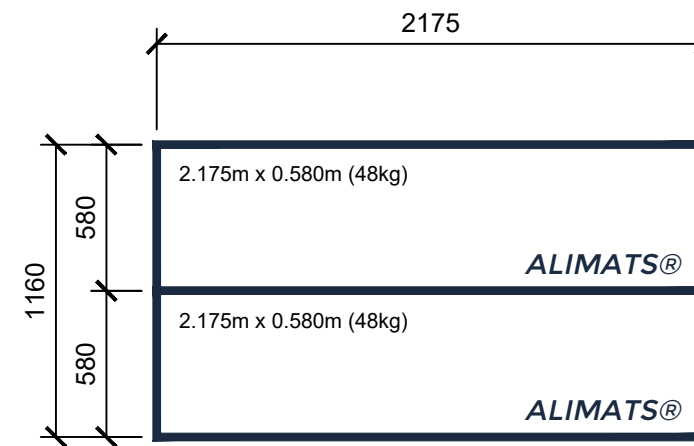
Drawing Title:
ALIMATS®
 Outrigger Mat General Arrangement
 Area: 4.03m² (2.32m x 1.74m)

Drawn By: DW	Scale @ A3: NTS (UNO)
Checked By: KH	Date: 02/02/2020
Drawing Number: A-BIL-6M-403	Revision: C3

DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK



Plan View - Base Layer



Plan View - Top Layer

Outrigger Pad - Supplied By Others

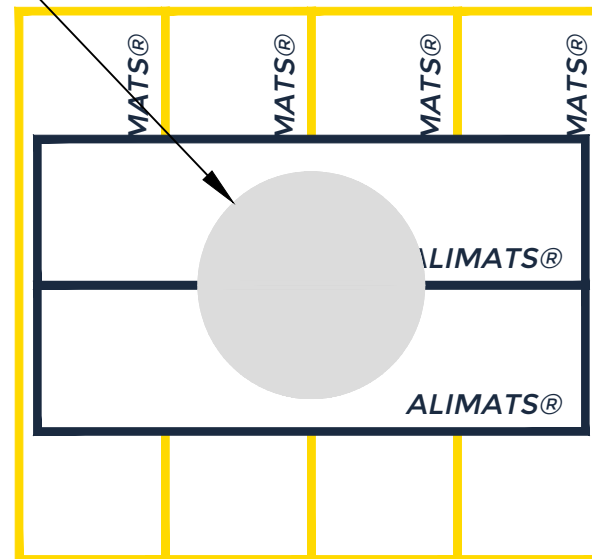
ALIMATS® INTERLOCKING MODULE QUANTITIES:

Base Layer: 4 number 2175mm x 580mm x 60mm
 Top Layer: 2 number 2175mm x 580mm x 60mm

Outrigger Pad: Supplied by others - Size shown indicative only

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Plan View - All Layers

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INTERLOCK BEING ENGAGED DURING SITE SET-UP	
INTERLOCKED	
NO INTERLOCK	

Guidance on site placement refer to document: **Risk Assessment / Site Placement Guidelines**

Revision	Description	Date	Initial	Checked

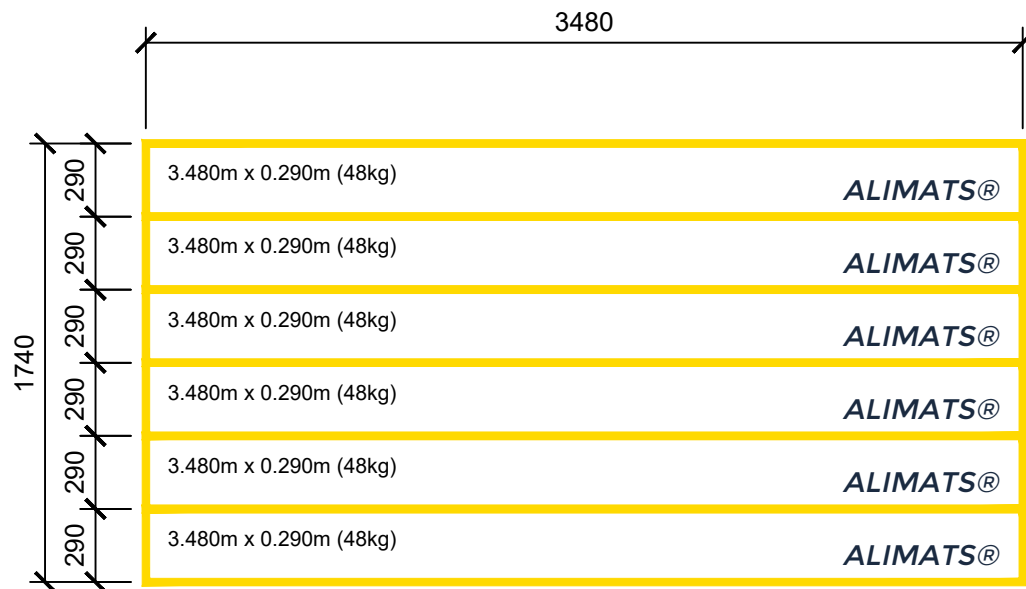


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 Belper Road
 Bradley
 Ashbourne
 DE6 1LP
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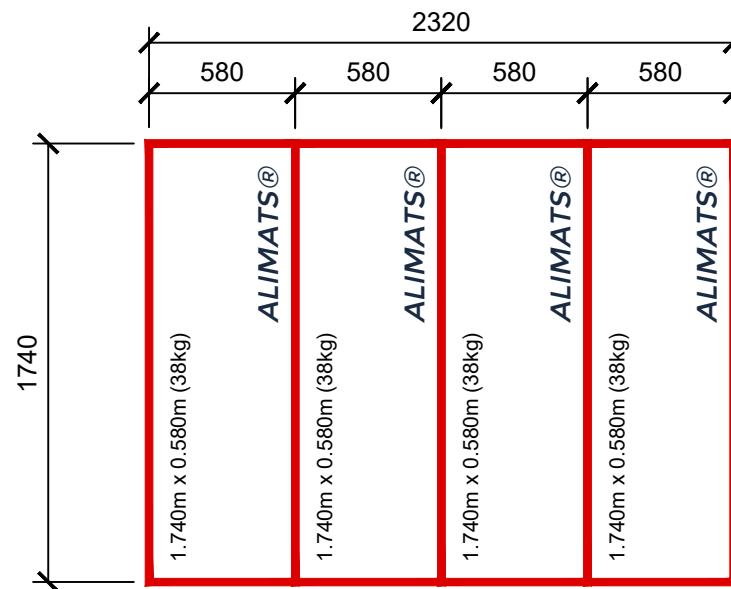
Drawing Title:
ALIMATS®
 Outrigger Mat General Arrangement
 Area: 5.04m² (2.320m x 2.175m)

Drawn By: DW	Scale @ A3: NTS (UNO)
Checked By: KH	Date: 12/01/2021
Drawing Number: A-BIL-6M-504	Revision: C3

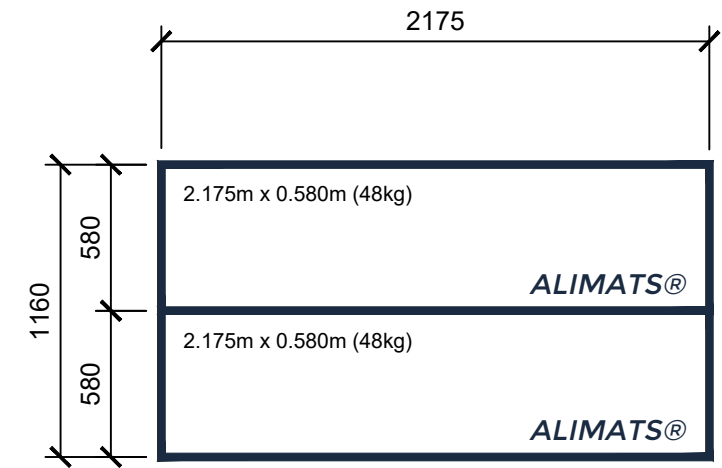
DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK



Plan View - Base Layer



Plan View - Middle Layer



Plan View - Top Layer

Outrigger Pad - Supplied By Others

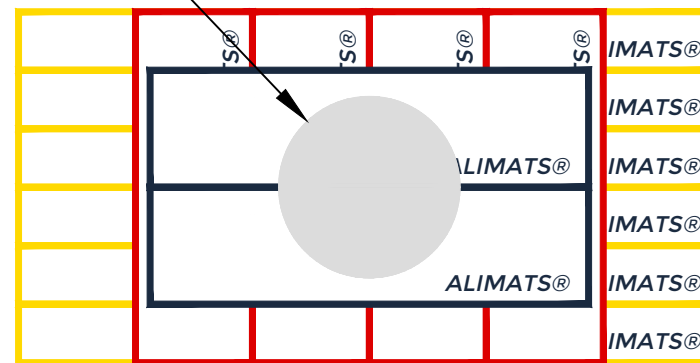
ALIMATS® INTERLOCKING MODULE QUANTITIES:

Base Layer: 6 number 3480mm x 290mm x 60mm
 Middle Layer: 4 number 1740mm x 580mm x 60mm
 Top Layer: 2 number 2175mm x 580mm x 60mm

Outrigger Pad: Supplied by others - Size shown indicative only

DESIGN NOTES:

- The purpose of outrigger mats is to spread the outrigger load over the entire mat area. To achieve this the material must be suitably stiff and be able to deflect in order to increase the area the load is applied to the ground, thus reducing the applied pressure. This will be dependant on the supporting ground and must be considered / specified within the Temporary Works design. Where outrigger mats are used on hard surface it is recommended that a compressible layer (ie: Ethafoam) is placed below the mat surface to ensure the system functions as structurally intended.
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Plan View - All Layers
(1:50)

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INTERLOCK BEING ENGAGED DURING SITE SET-UP	
INTERLOCKED	
NO INTERLOCK	

Guidance on site placement refer to document: **Risk Assessment / Site Placement Guidelines**

Revision	Description	Date	Initial	Checked



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 Belper Road
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 Ashbourne
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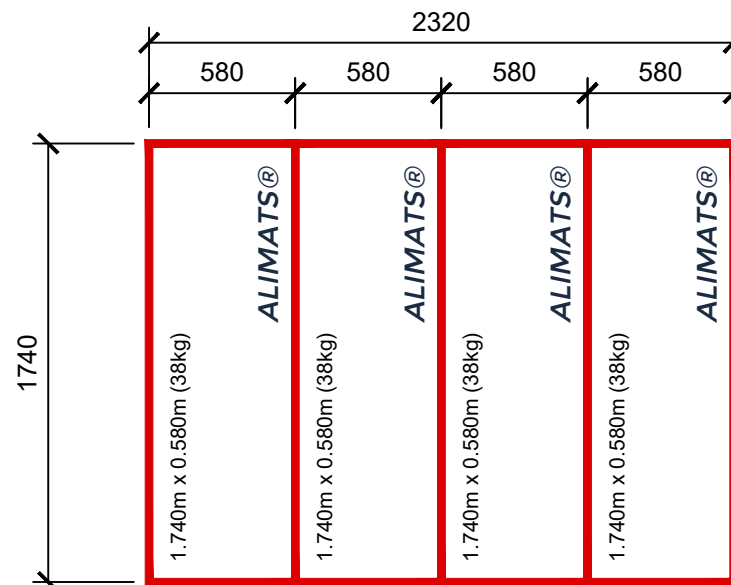
Drawing Title:
ALIMATS®
 Outrigger Mat General Arrangement
 Area: 6.05m² (3.48m x 1.74m)

Drawn By: DW	Scale @ A3: NTS (UNO)
Checked By: KH	Date: 01/03/2021
Drawing Number: A-BIL-12M-605	Revision: C3

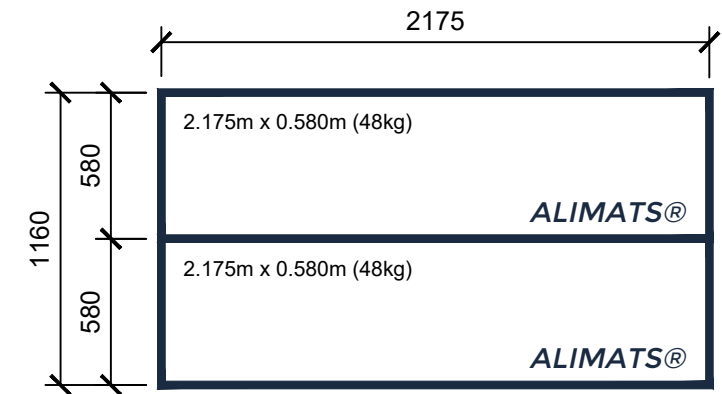
DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK



Plan View - Base Layer



Plan View - Middle Layer



Plan View - Top Layer

Outrigger Pad - Supplied By Others

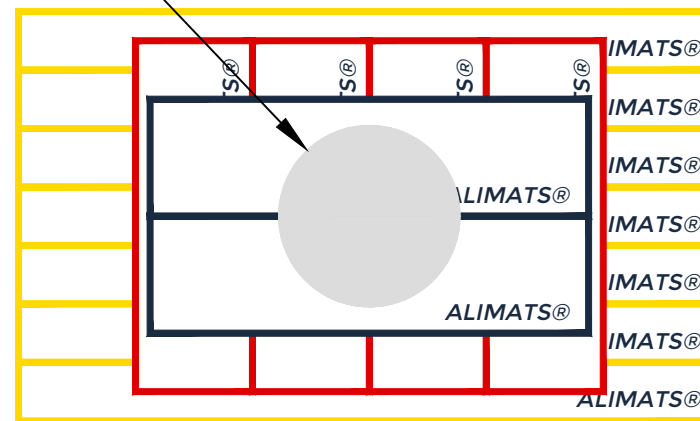
ALIMATS® INTERLOCKING MODULE QUANTITIES:

Base Layer: 7 number 3480mm x 290mm x 60mm
 Middle Layer: 4 number 1740mm x 580mm x 60mm
 Top Layer: 2 number 2175mm x 580mm x 60mm

Outrigger Pad: Supplied by others - Size shown indicative only

DESIGN NOTES:

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(1:50)

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INTERLOCK BEING ENGAGED DURING SITE SET-UP	Typical ALIMATS® Section Profiles	Interlock Image
INTERLOCKED		<input checked="" type="checkbox"/>
NO INTERLOCK		<input type="checkbox"/>

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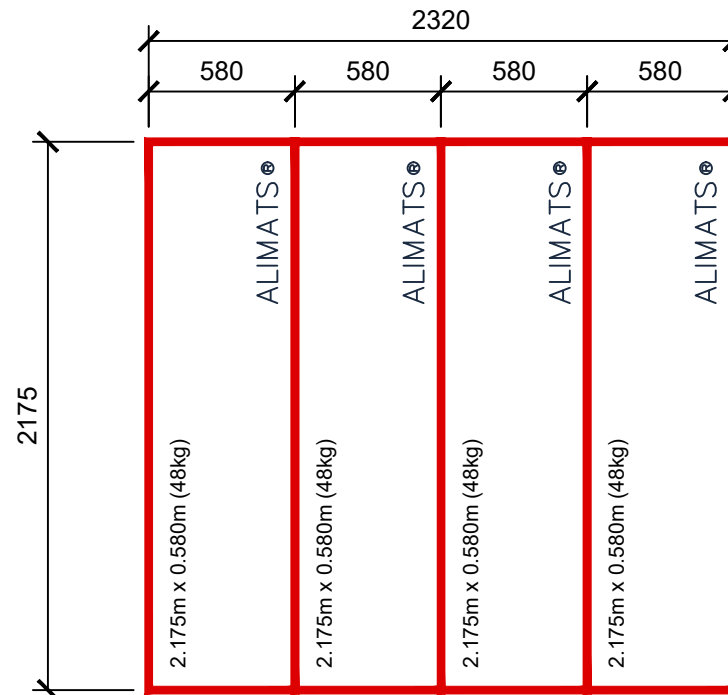
Drawing Title:
ALIMATS®
 Outrigger Mat General Arrangement
 Area: 7.06m² (3.48m x 2.03m)

Drawn By: DW	Scale @ A3: NTS (UNO)
Checked By: KH	Date: 01/03/2021
Drawing Number: A-BIL-13M-706	Revision: C3

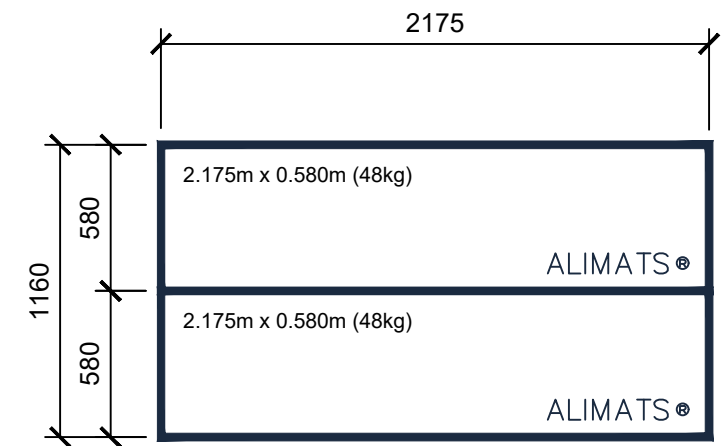
DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK



Plan View - Base Layer



Plan View - Middle Layer



Plan View - Top Layer

Outrigger Pad - Supplied By Others

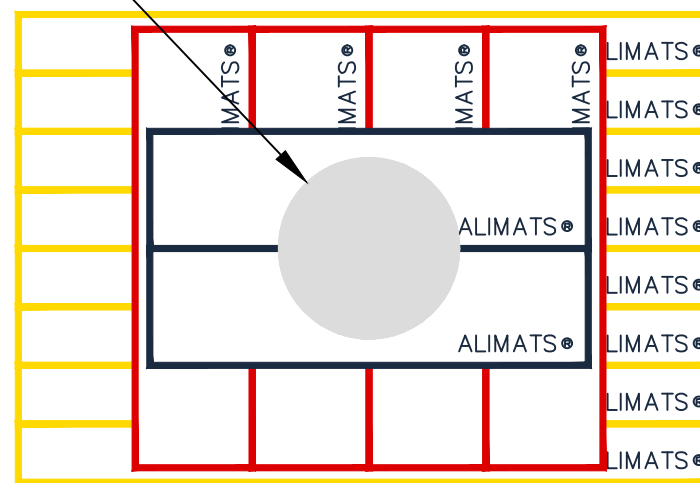
ALIMATS® INTERLOCKING MODULE QUANTITIES:

Base Layer: 8 number 3480mm x 290mm x 60mm
 Middle Layer: 4 number 2175mm x 580mm x 60mm
 Top Layer: 2 number 2175mm x 580mm x 60mm

Outrigger Pad: Supplied by others - Size shown indicative only

DESIGN NOTES:

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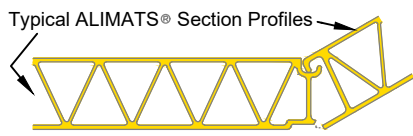







Plan View - All Layers
(1:50)

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INTERLOCK BEING ENGAGED DURING SITE SET-UP	 
INTERLOCKED	 
NO INTERLOCK	 

Guidance on site placement refer to document: **Risk Assessment / Site Placement Guidelines**

Revision	Description	Date	Initial	Checked

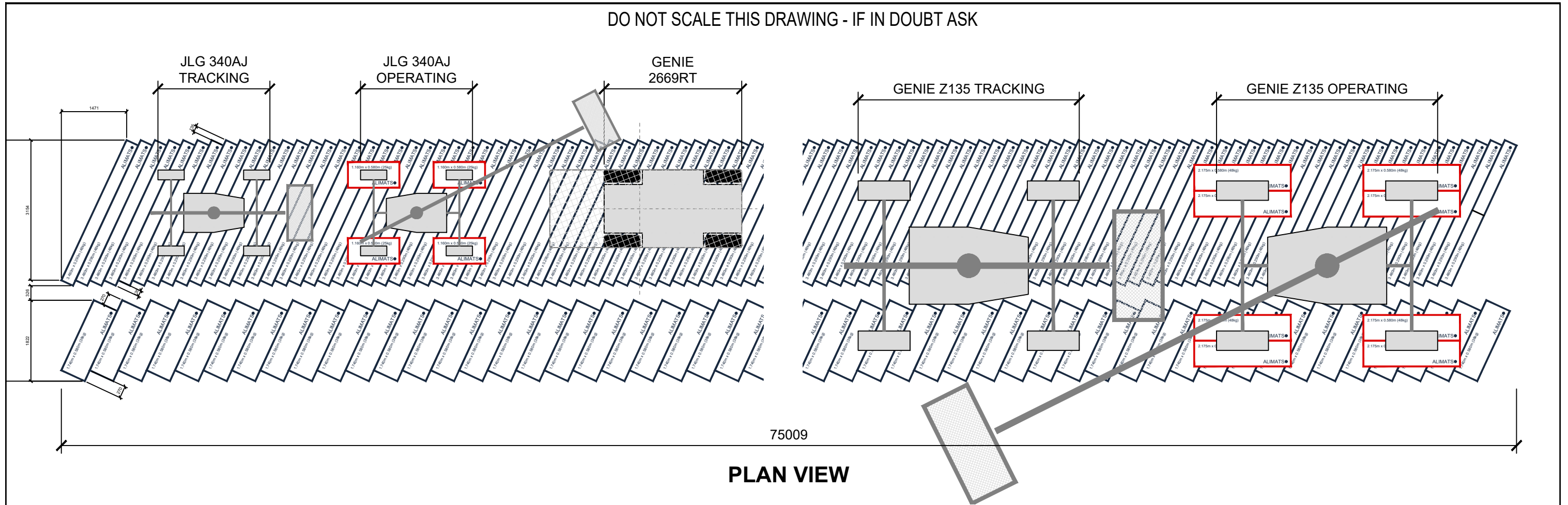


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Drawing Title:
ALIMATS®
 Outrigger Mat General Arrangement
 Area: 8.07m² (3.48m x 2.32m)

Drawn By: DW	Scale @ A3: NTS (UNO)
Checked By: KH	Date: 01/03/2021
Drawing Number: A-BIL-14M-807	Revision: C4

DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK



PLAN VIEW

ALIMATS® INTERLOCKING MODULE QUANTITIES:

Base Layer (if required): 164 number 2000mm x 1200mm x 30mm Ethafoam
 Mid Layer: 116 number 1740mm x 580mm x 60mm
 230 number 3480mm x 580mm x 60mm
 Top Layer: 8 number 2175mm x 580mm x 60mm

DESIGN NOTES:

- The purpose of outrigger mats is to spread the outrigger load over the entire mat area. To achieve this the material must be suitably stiff and be able to deflect in order to increase the area the load is applied to the ground, thus reducing the applied pressure. This will be dependant on the supporting ground and must be considered / specified within the Temporary Works design. Where outrigger mats are used on hard surface it is recommended that a compressible layer (ie: Ethafoam) is placed below the mat surface to ensure the system functions as structurally intended.
- For further guidance on section properties and or any other technical query please contact Brilliant Ideas Ltd on 01335 345 111 or enquiries@brilliantideasltd.co.uk
- All Temporary Works designs should be carried out by a competent Temporary Works Engineer, it is the Temporary Works Engineer's responsibility to ensure that the ALIMATS® system is suitable for their application.

IMPORTANT NOTICE - MODULE INTERLOCK:

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INTERLOCK BEING ENGAGED DURING SITE SET-UP		
INTERLOCKED		
NO INTERLOCK		

Guidance on site placement refer to document: **Risk Assessment / Site Placement Guidelines**

Revision	Description	Date	Initial	Checked

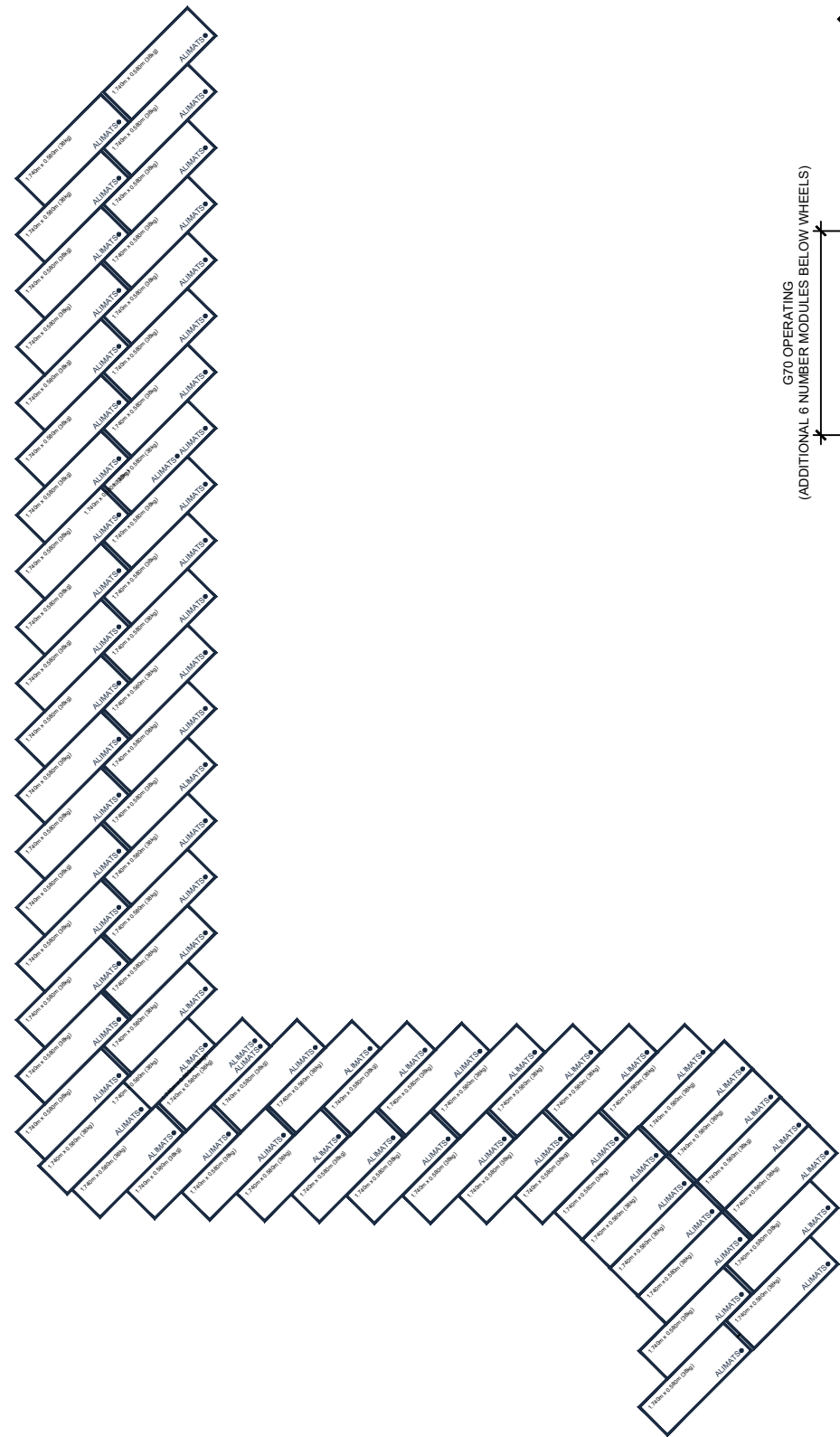


Brilliant Ideas Ltd
 New House Farm
 Belper Road
 Bradley
 Ashbourne
 DE6 1LP
 Website: www.brilliantideasltd.co.uk
 Telephone: +44 (0) 1335 345 111

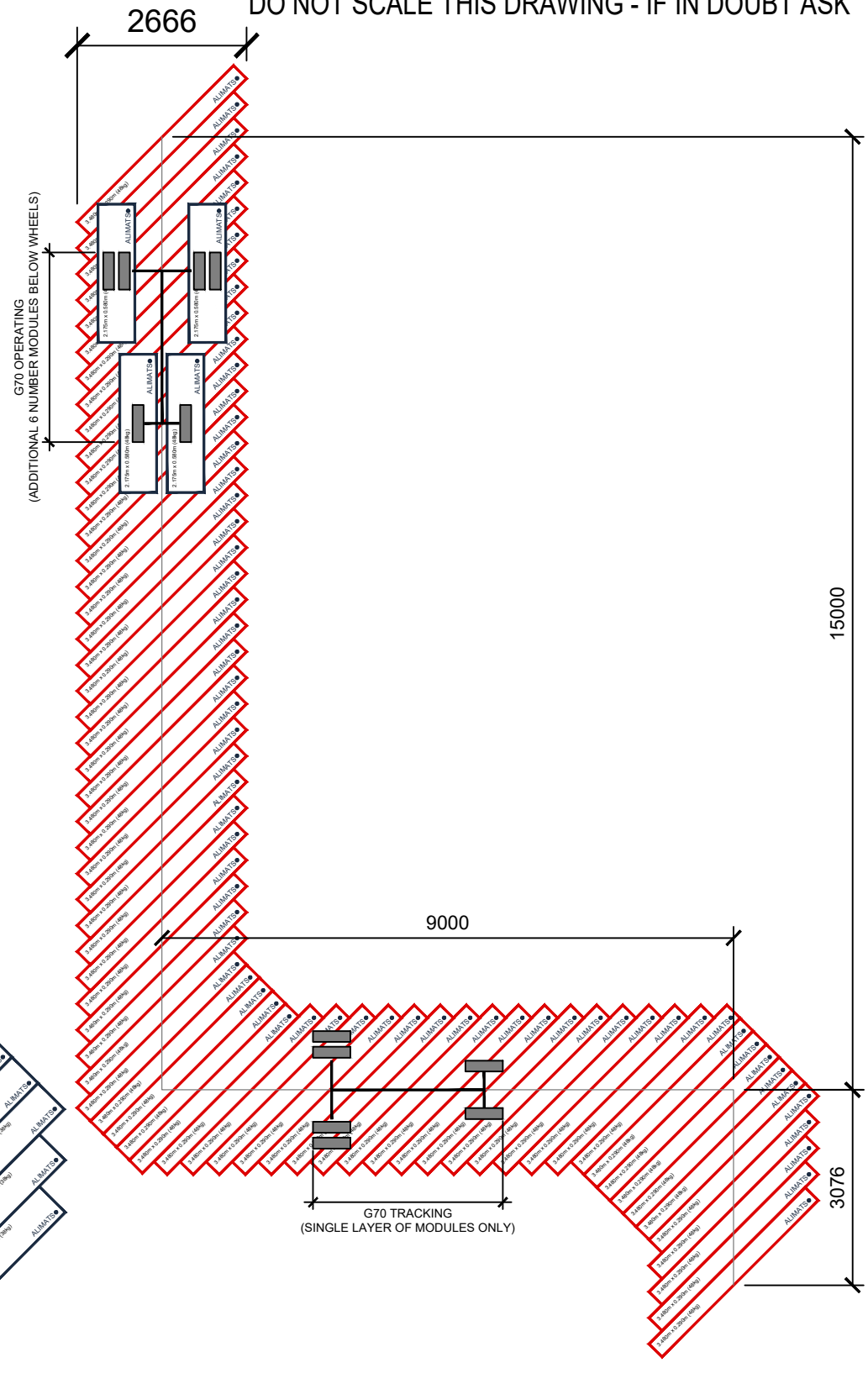
Drawing Title:
**POWERED ACCESS EXAMPLE
 MEWP AND SCISSOR LIFT
 TRACKING AND OPERATING**

Drawn By: DW Scale @ A3: NTS UNO
 Checked By: KH Date: 17/08/2022
 Drawing Number: A-BIL-354M-GA01 Revision: EX1

DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK



PLAN VIEW - 2nd LAYER



PLAN VIEW - 3rd LAYER

ALIMATS® INTERLOCKING MODULE QUANTITIES:


1st Layer:	Ethafoam.
2nd Layer (Machine Tracking):	68 number 1740mm x 580mm x 60mm
3rd Layer (Machine Tracking):	66 number 3480mm x 290mm x 60mm
4th Layer (Machine Operating):	4 number 2175mm x 580mm x 60mm

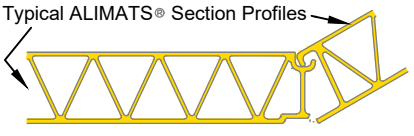





DESIGN NOTES:

- The purpose of outrigger mats is to spread the outrigger load over the entire mat area. To achieve this the material must be suitably stiff and be able to deflect in order to increase the area the load is applied to the ground, thus reducing the applied pressure. This will be dependant on the supporting ground and must be considered / specified within the Temporary Works design. Where outrigger mats are used on hard surface it is recommended that a compressible layer (ie: Ethafoam) is placed below the mat surface to ensure the system functions as structurally intended.
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INTERLOCK BEING ENGAGED DURING SITE SET-UP	 
INTERLOCKED	 
NO INTERLOCK	 

Guidance on site placement refer to document: **Risk Assessment / Site Placement Guidelines**

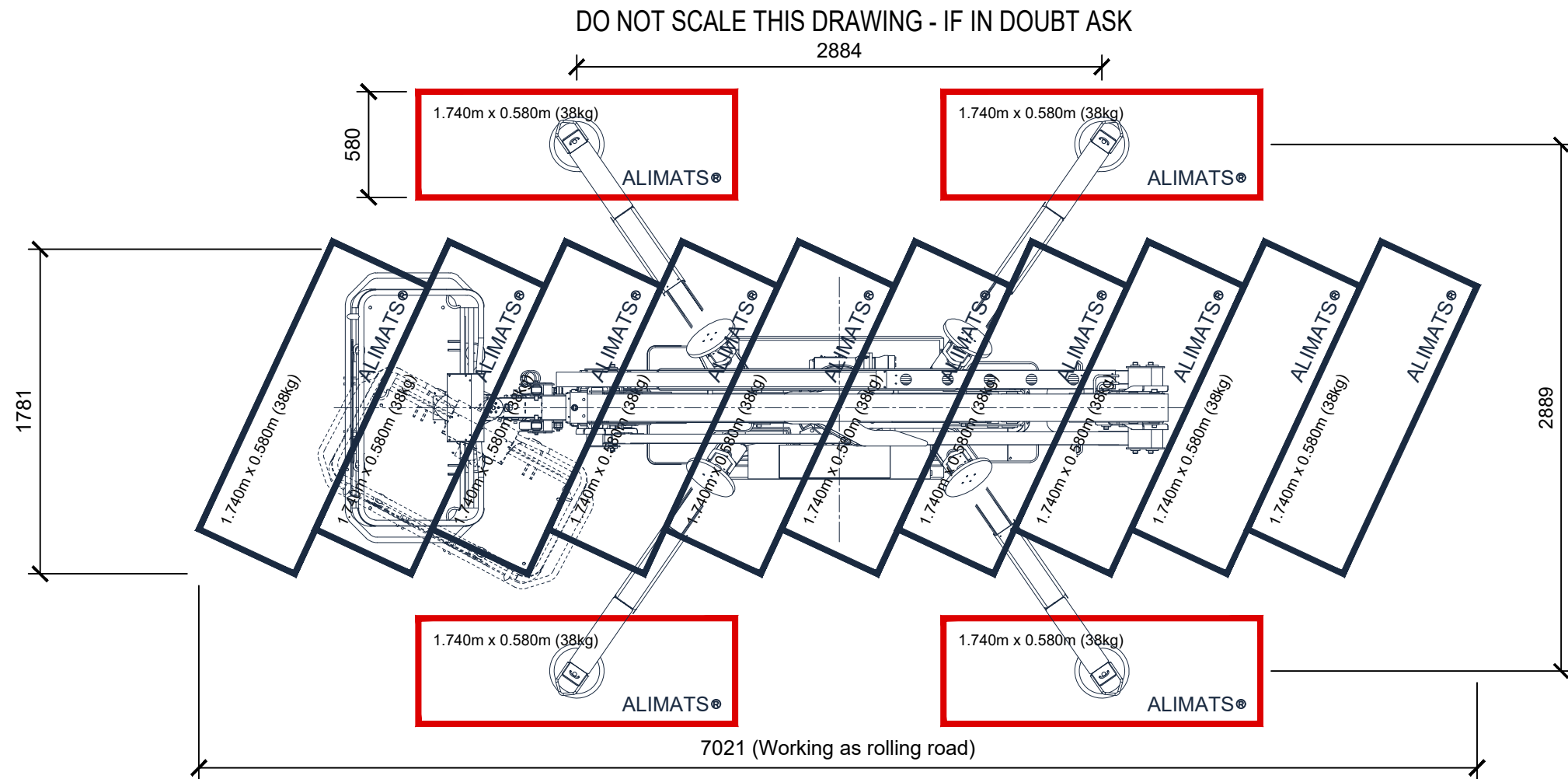
Revision	Description	Date	Initial	Checked



Brilliant Ideas Ltd
 New House Farm
 Belper Road
 Bradley
 Ashbourne
 DE6 1LP
 Website: www.brilliantideasltd.co.uk
 Telephone: +44 (0) 1335 345 111

Drawing Title:
PICK AND CARRY CRANE EXAMPLE
TRACKING AND OPERATING

Drawn By: DW	Scale @ A3: NTS UNO
Checked By: KH	Date: 28/03/2022
Drawing Number: A-BIL-138M-GA01	Revision: EX2



ALIMATS® INTERLOCKING MODULE QUANTITIES:

- 1st Layer: Ethaform.
- 2nd Layer: 10 number 1740mm x 580mm x 60mm (Tracking)
4 number 1740mm x 580mm x 60mm (Operating)

DESIGN NOTES:

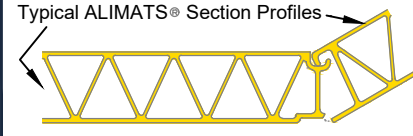



- a. The purpose of outrigger mats is to spread the outrigger load over the entire mat area. To achieve this the material must be suitably stiff and be able to deflect in order to increase the area the load is applied to the ground, thus reducing the applied pressure. This will be dependant on the supporting ground and must be considered / specified within the Temporary Works design. Where outrigger mats are used on hard surface it is recommended that a compressible layer (ie: Ethafoam) is placed below the mat surface to ensure the system functions as structurally intended.
- b. For further guidance on section properties and or any other technical query please contact Brilliant Ideas Ltd on 01335 345 111 or enquiries@brilliantideasltd.co.uk
- c. All Temporary Works designs should be carried out by a competent Temporary Works Engineer, it is the Temporary Works Engineer's responsibility to ensure that the ALIMATS® system is suitable for their application.

PLAN VIEW - HINOWA LL17.75 MK2

IMPORTANT NOTICE - MODULE INTERLOCK:

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INTERLOCK BEING ENGAGED DURING SITE SET-UP	 
INTERLOCKED	
NO INTERLOCK	

Guidance on site placement refer to document: **Risk Assessment / Site Placement Guidelines**

PLAN VIEW - GENIE GS-2632

Revision	Description	Date	Initial	Checked

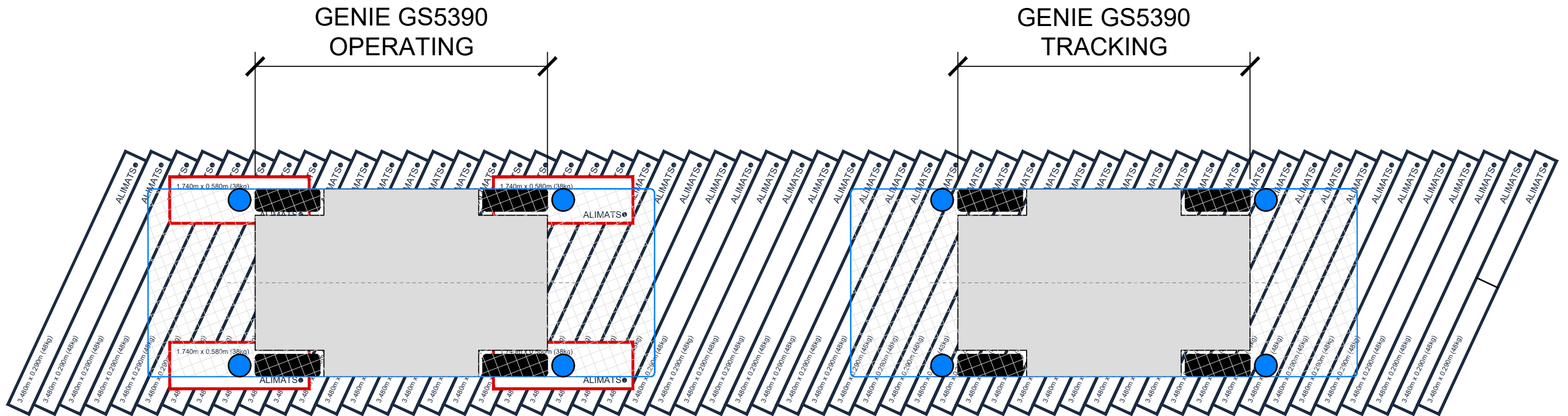


Brilliant Ideas Ltd
 New House Farm
 Belper Road
 Bradley
 Ashbourne
 DE6 1LP
 Website: www.brilliantideasltd.co.uk
 Telephone: +44 (0) 1335 345 111

Drawing Title:
SPIDER MEWP / CRANE EXAMPLE
TRACKING AND OPERATING

Drawn By: DW	Scale @ A3: NTS UNO
Checked By: KH	Date: 10/08/2021
Drawing Number: A-BIL-14M-GA01	Revision: EX3

DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK



PLAN VIEW

ALIMATS® INTERLOCKING MODULE QUANTITIES:

BASE LAYER:	Ethafoam
MID LAYER:	56 number 3480mm x 290mm x 60mm (Tracking)
TOP LAYER:	4 number 1740mm x 580mm x 60mm (Operating)

DESIGN NOTES:

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INTERLOCK BEING ENGAGED DURING SITE SET-UP	
INTERLOCKED	
NO INTERLOCK	

Guidance on site placement refer to document: **Risk Assessment / Site Placement Guidelines**

Revision	Description	Date	Initial	Checked

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 New House Farm
 Belper Road
 Bradley
 Ashbourne
 DE6 1LP
 Website: www.brilliantideasltd.co.uk
 Telephone: +44 (0) 1335 345 111

Drawing Title:
**POWERED ACCESS EXAMPLE
 SCISSOR LIFT
 TRACKING AND OPERATING**

Drawn By: DW	Scale @ A3: NTS UNO
Checked By: KH	Date: 20/10/2022
Drawing Number: A-BIL-60M-GA01	Revision: EX4