



Drawing Register

ALIMATS®

Product Description:

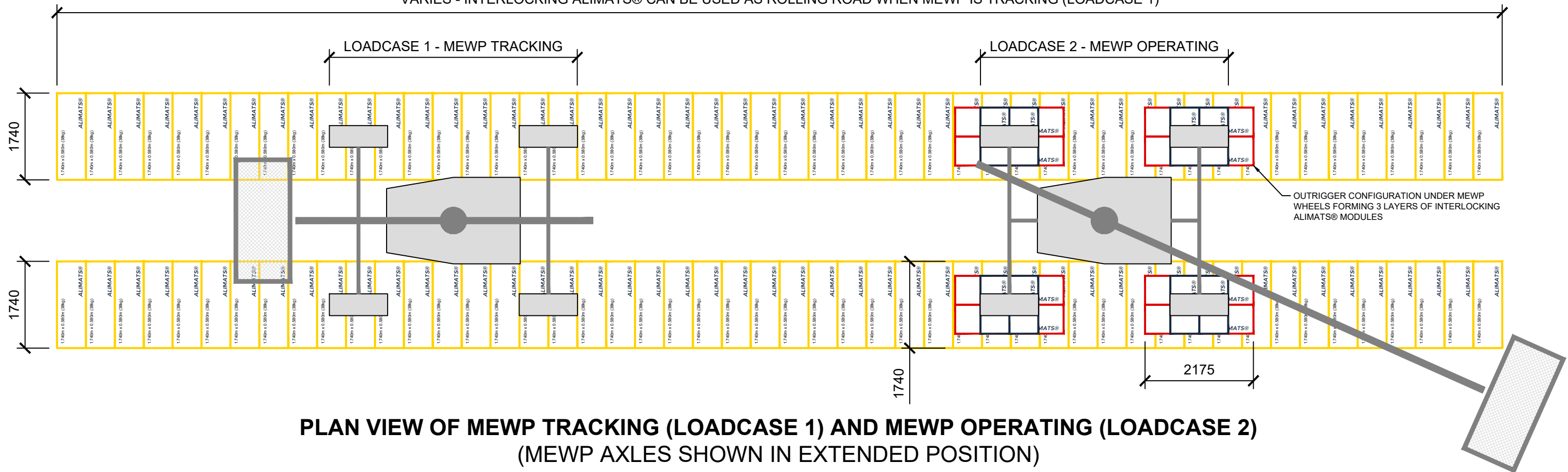
ALIMATS® is a unique patented handleable interlocking outrigger mat system which is manufactured from certified Aluminium. It has been specifically developed to spread outrigger loadings and has been fully load tested.

Drawing Register:

Outrigger Mat Plan Dimensions	Outrigger Mat Area	Drawing Reference	Drawing Revision
MEWP Platform Example (Temporary Road and Outrigger)		A-BIL-MEWP-EX1	T1
Scissor/Spider MEWP Platform (Tracking/Working)		A-BIL-LOR-24M-GA01	T2
Temporary Platform		A-BIL-86M-GA01	T1
Scissor/MEWP Platform (Tracking)		A-BIL-92M-GA01	T1
Scissor/MEWP Platform (Working)		A-BIL-92M-GA02	T1
Temporary Platform (Salford JLG 1850SJ)		A-BIL-118M-GA01	T1
Temporary Platform (Salford JLG 1850SJ)		A-BIL-118M-GA02	T1
Site Plan (Salford JLG 1850SJ)		A-BIL-118M-GA04	T1

DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK

VARIES - INTERLOCKING ALIMATS® CAN BE USED AS ROLLING ROAD WHEN MEWP IS TRACKING (LOADCASE 1)



PLAN VIEW OF MEWP TRACKING (LOADCASE 1) AND MEWP OPERATING (LOADCASE 2)
(MEWP AXLES SHOWN IN EXTENDED POSITION)

ALIMATS® INTERLOCKING MODULE QUANTITIES:

LOADCASE 1 - MEWP Tracking: 136 number 1740mm x 580mm x 60mm
LOADCASE 2 - MEWP Operating: 8 number 2175mm x 580mm x 60mm
8 number 1160mm x 580mm x 60mm

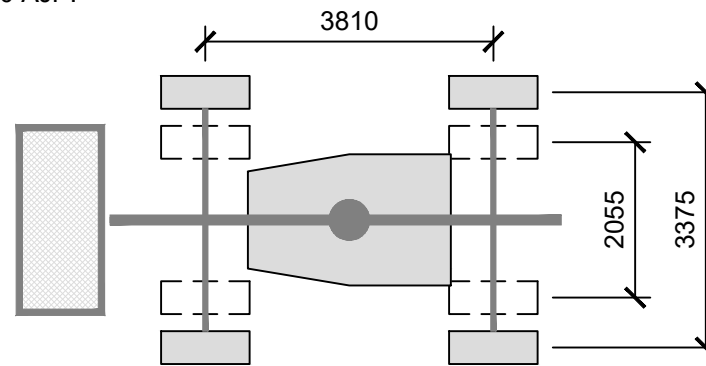
Based on configuration for LOADCASE 2 this enables an outrigger load spread area under each wheel and in this example equates to 3.78m² when you consider the 1.74m long modules forming the temporary road (2.175m x 1.740m = 3.78m²). This load spread area can be increased depending on specific site requirements.

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.

NOTE:

This example drawing is based on a completed scheme and intended to provide an example of how the two loadcases are dealt with when operating MEWPS. The MEWP dimensions are based on a JLG® Boom Lift Model 1250 AJP.



PLAN VIEW OF MEWP
(1:100)

IMPORTANT NOTICE - MODULE INTERLOCK:

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INTERLOCK BEING ENGAGED DURING SITE SET-UP	Typical ALIMATS® Section Profiles	Interlock Image
INTERLOCKED		
NO INTERLOCK		

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

Revision	Description	Date	Initial	Checked

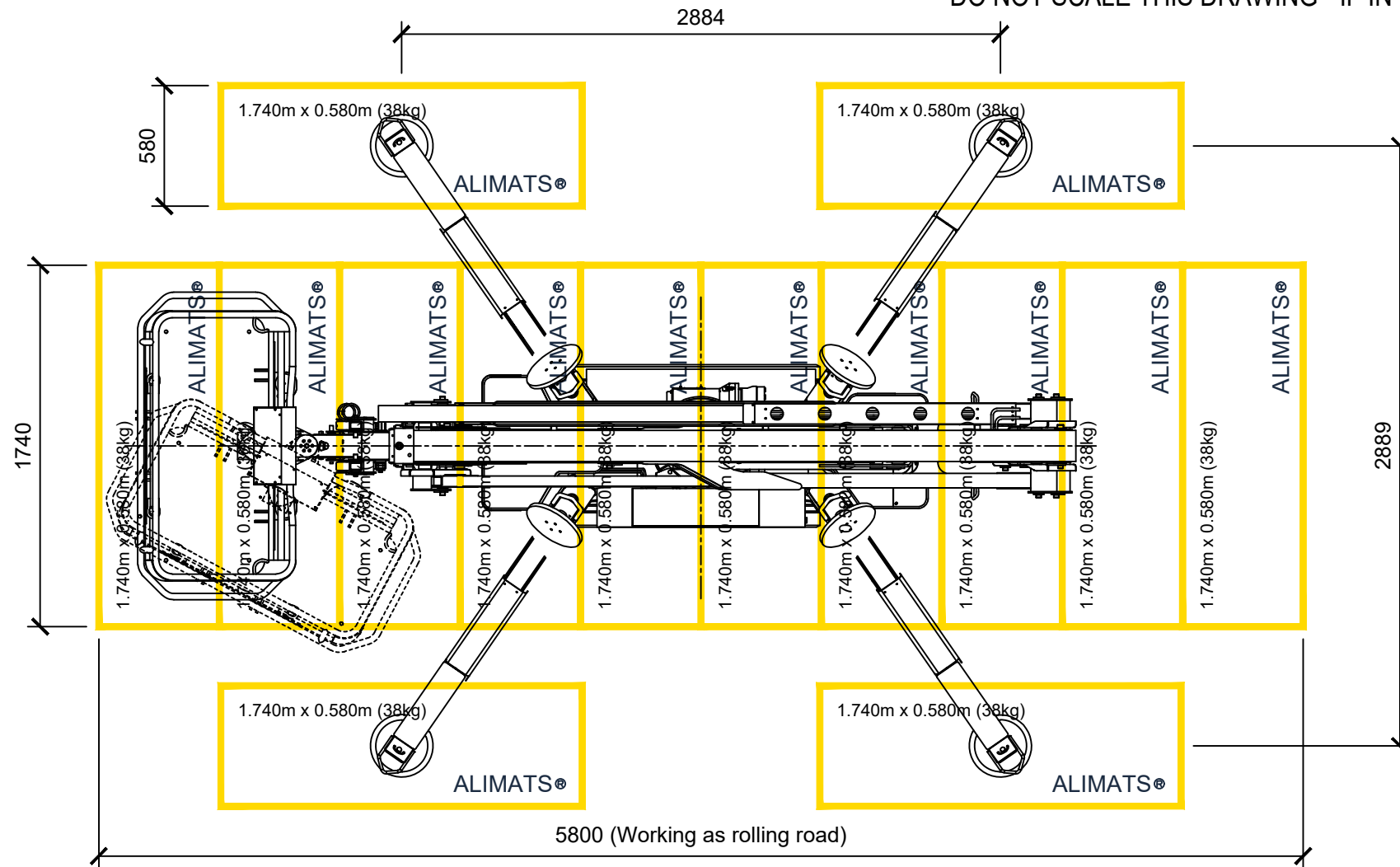


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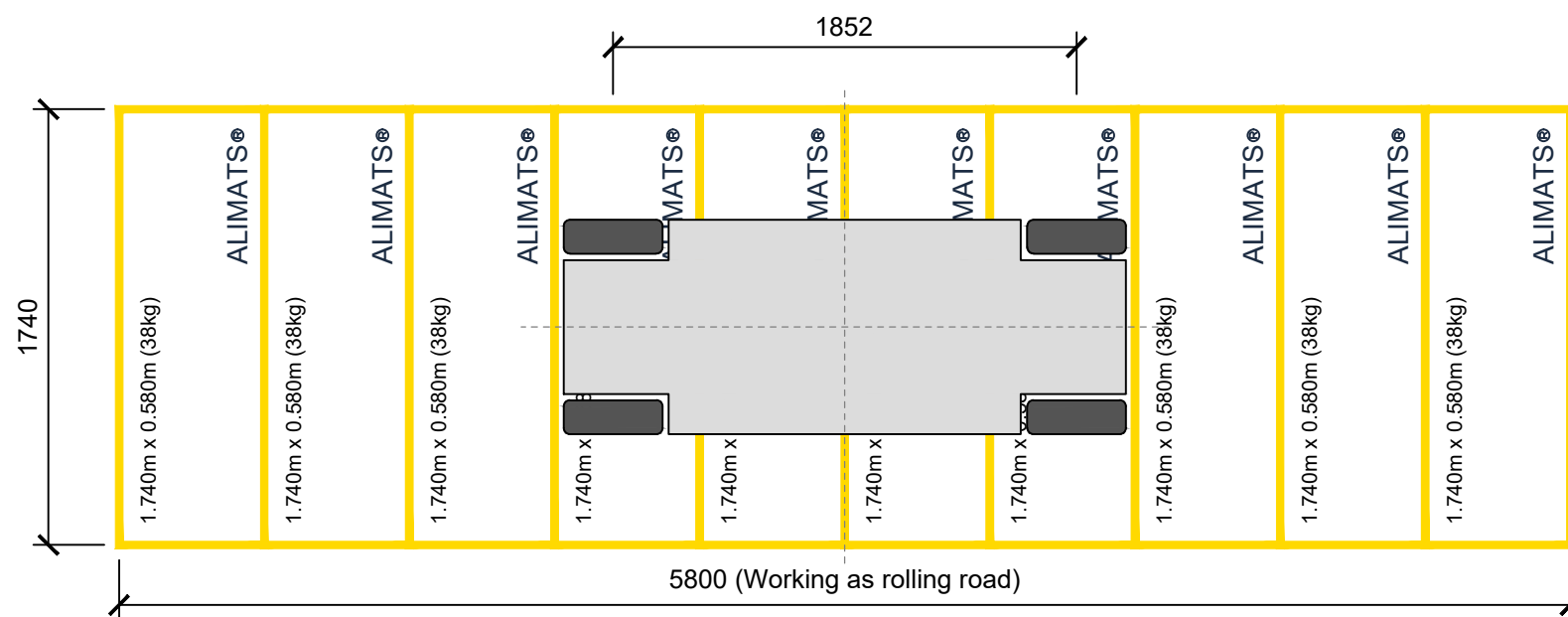
Drawing Title:
**MEWP EXAMPLE
TEMPORARY ROAD AND
OUTRIGGER**

Drawn By: DW	Scale @ A3: NTS UNO
Checked By: KH	Date: 01/04/2021
Drawing Number: A-BIL-MEWP-EX1	Revision: T1

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PLAN VIEW - HINOWA LL17.75 MK2



PLAN VIEW - GENIE GS-2632

ALIMATS® INTERLOCKING MODULE QUANTITIES:

HINOWA LL17.75

Layer 1 - Tracking Platform: 10 number 1740mm x 580mm x 60mm
 Outriggers: 4 number 1740mm x 580mm x 60mm

GENIE GS-2632

Layer 1 - Tracking Platform: 10 number 1740mm 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



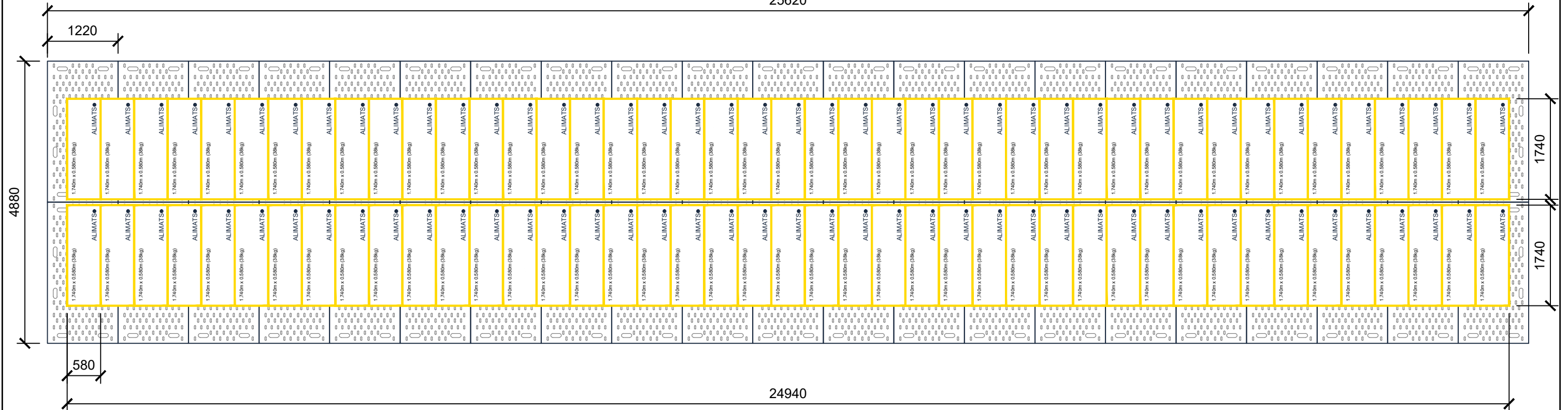
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Drawing Title:
**SCISSOR / SPIDER MEWP
 TRACKING / WORKING PLATFORM**

Drawn By: DW	Scale @ A3: NTS UNO
Checked By: KH	Date: 10/08/2021
Drawing Number: A-BIL-LOR-24M-GA01	Revision: T2

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25620



PLAN VIEW

ALIMATS® INTERLOCKING MODULE QUANTITIES:

- Layer 1 - 42 number Enduramat
- Layer 2 - 86 number 1740mm x 580mm x 60mm ALIMATS®

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.

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**

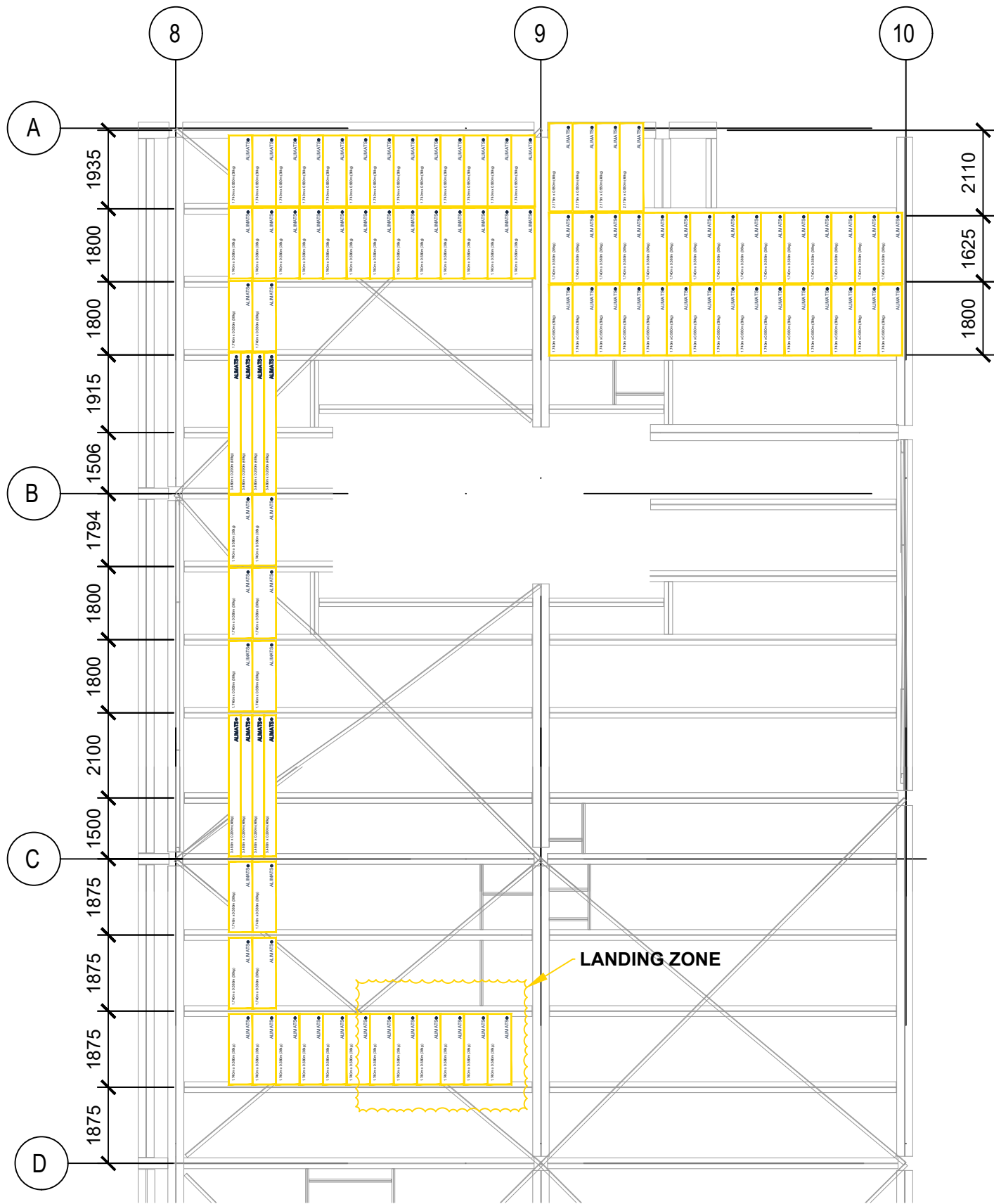
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Drawing Title:
TEMPORARY PLATFORM

Drawn By: DW	Scale @ A3: NTS UNO
Checked By: KH	Date: 08/09/2021
Drawing Number: A-BIL-86M-GA01	Revision: T1

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PLAN VIEW

ALIMATS® INTERLOCKING MODULE QUANTITIES:

- Layer 1 - Tracking Platform: 89 number 1740mm x 580mm x 60mm
8 number 3480mm x 580mm x 60mm
- Layer 2 - Outrigger For Spider: 4 number 1740mm x 580mm x 60mm

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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INTERLOCK BEING ENGAGED DURING SITE SET-UP		
INTERLOCKED		
NO INTERLOCK		

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

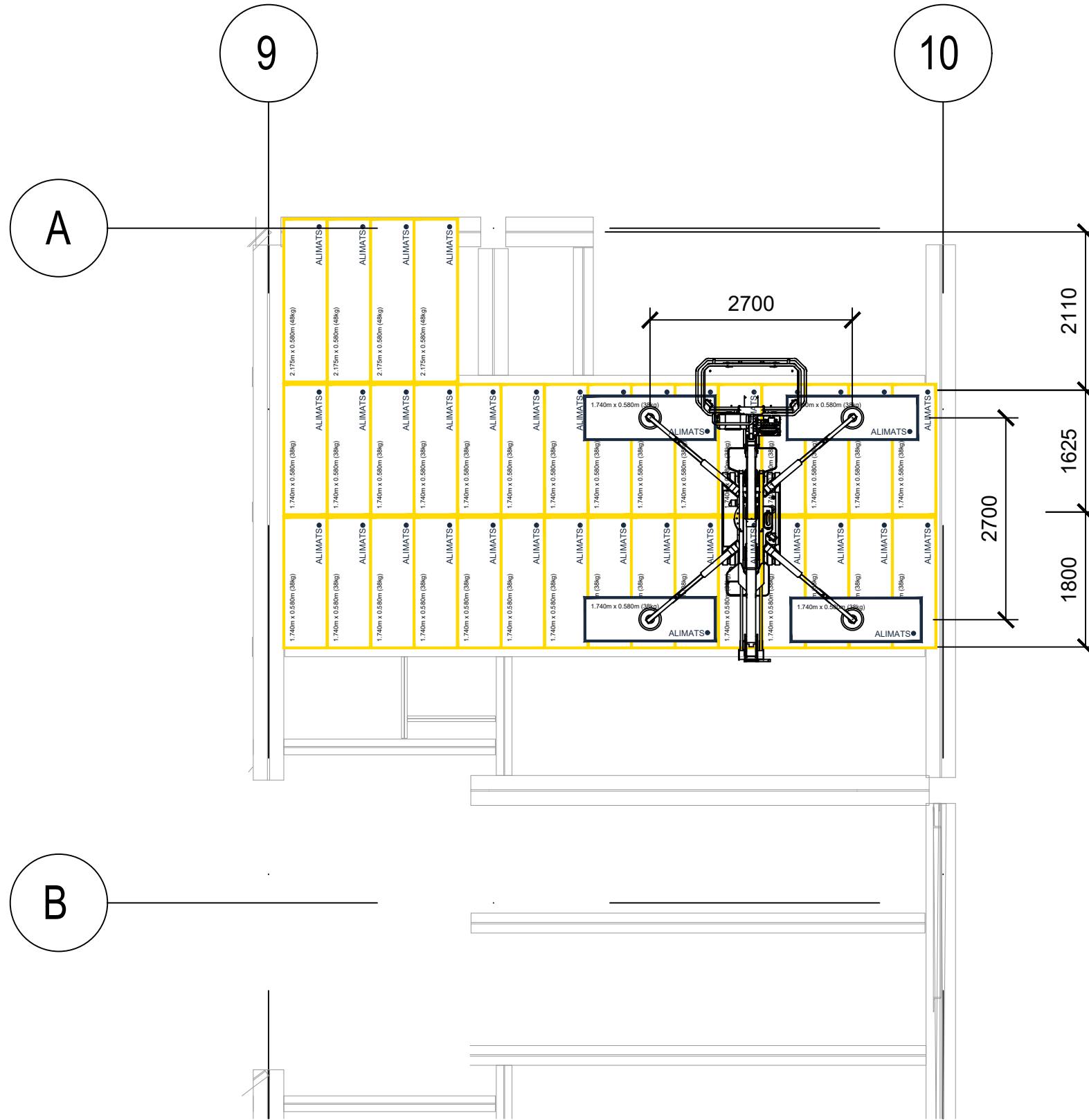
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Drawing Title:
SCISSOR / MEWP PLATFORM TRACKING PLATFORM

Drawn By: DW	Scale @ A3: NTS UNO
Checked By: KH	Date: 18/07/2021
Drawing Number: A-BIL-92M-GA01	Revision: T1

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PLAN VIEW

ALIMATS® INTERLOCKING MODULE QUANTITIES:

Layer 1 - Tracking Platform: 89 number 1740mm x 580mm x 60mm
8 number 3480mm x 580mm x 60mm


Layer 2 - Outrigger For Spider: 4 number 1740mm x 580mm x 60mm

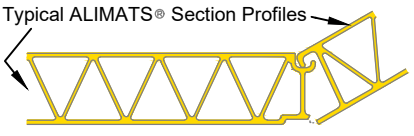





DESIGN NOTES:

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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**

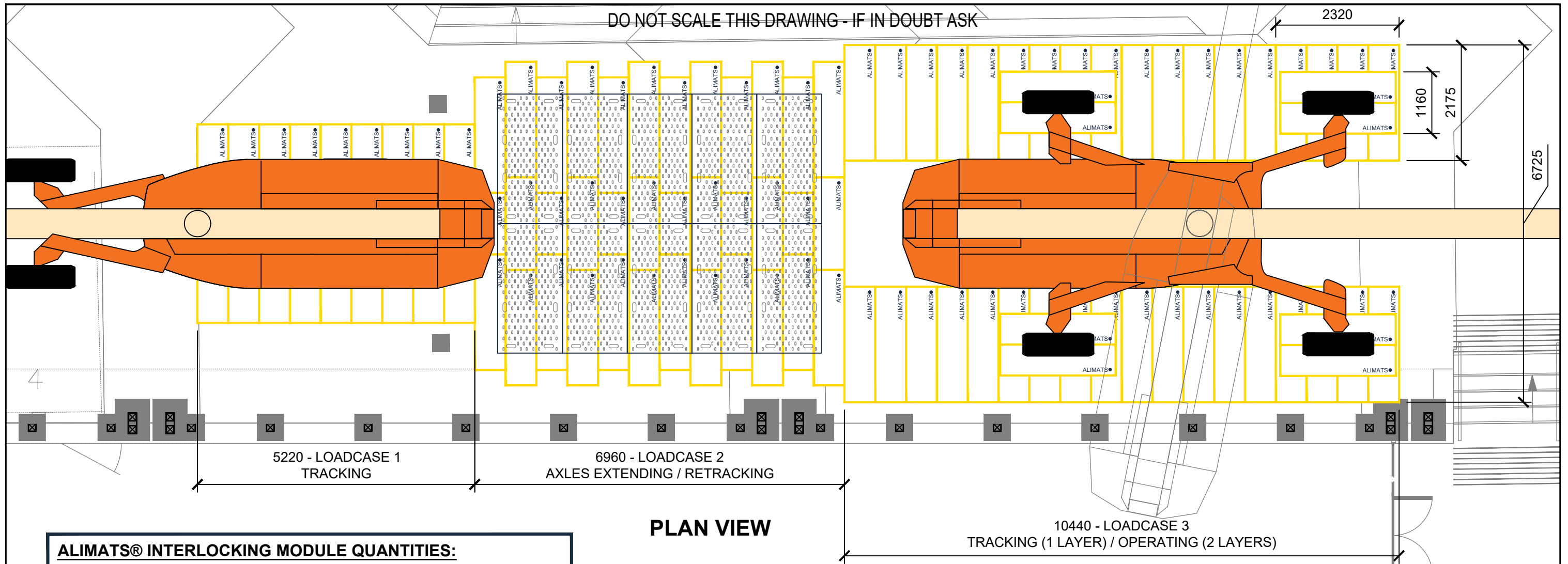
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Drawing Title:
**SCISSOR / MEWP PLATFORM
WORKING PLATFORM**

Drawn By: DW	Scale @ A3: NTS UNO
Checked By: KH	Date: 18/07/2021
Drawing Number: A-BIL-92M-GA02	Revision: T1



PLAN VIEW

ALIMATS® INTERLOCKING MODULE QUANTITIES:

- LOADCASE 1 - 18 number 1740mm x 580mm x 60mm
- LOADCASE 2 - 6 number 1160mm x 580mm x 60mm
6 number 1740mm x 580mm x 60mm
24 number 2175mm x 580mm x 60mm
20 number 12mm Enduramat (non-friction layers)
- LOADCASE 3 - 36 number 2175mm x 580mm x 60mm (tracking)
8 number 2175mm x 580mm x 60mm (operating)

DESIGN NOTES:

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NOTE:

- a. The MEWP dimensions are based on a JLG® Boom Lift Model 1850SJ.
- b. Based on configuration for LOADCASE 3 this enables a load spread area under each wheel equating to 5.04m² and this can be further explained on our drawing A-BIL-6M-504.
- c. Whilst operating the wheels are working similar to cranes outriggers and load spread area can be increased subject to Temporary Works comments / approval.

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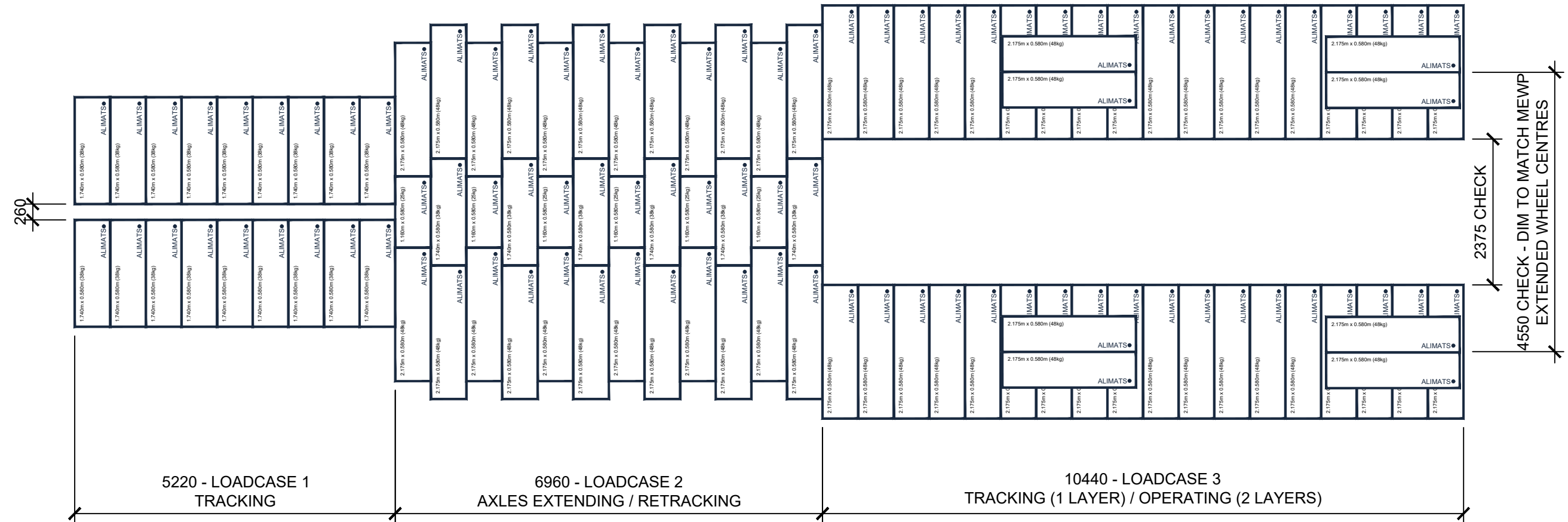


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Drawing Title:
**TEMPORARY PLATFORM
 SALFORD
 JLG1850SJ**

Drawn By: DW	Scale @ A3: NTS UNO
Checked By: KH	Date: 19/10/2021
Drawing Number: A-BIL-118M-GA01	Revision: T1

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PLAN VIEW

ALIMATS® INTERLOCKING MODULE QUANTITIES:

- LOADCASE 1 - 18 number 1740mm x 580mm x 60mm
- LOADCASE 2 - 6 number 1160mm x 580mm x 60mm
6 number 1740mm x 580mm x 60mm
24 number 2175mm x 580mm x 60mm
20 number 12mm Enduramat (non-friction layers)
- LOADCASE 3 - 36 number 2175mm x 580mm x 60mm (tracking)
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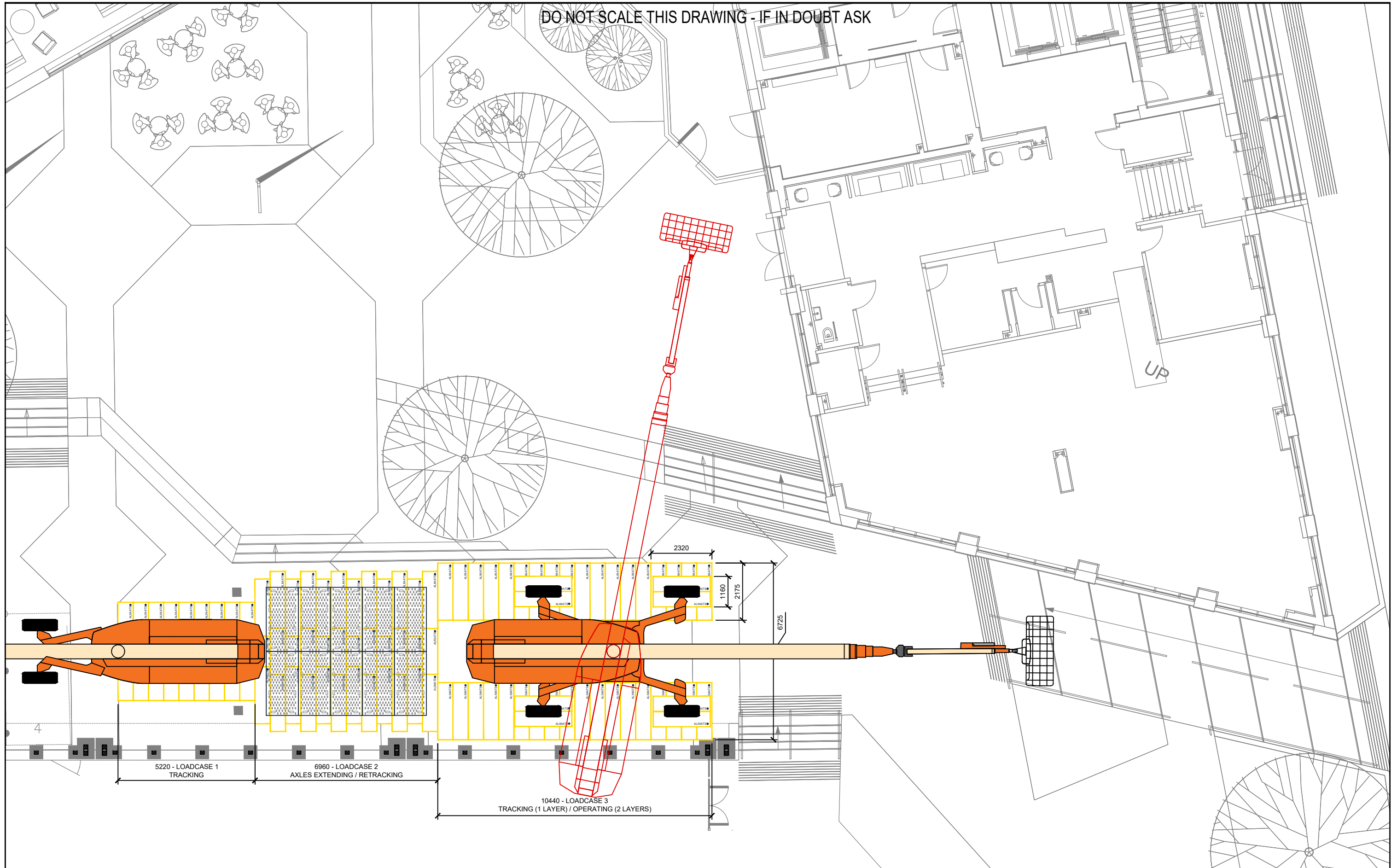


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Drawing Title:
**TEMPORARY PLATFORM
SALFORD
JLG1850SJ**

Drawn By: DW	Scale @ A3: NTS UNO
Checked By: KH	Date: 29/10/2021
Drawing Number: A-BIL-118M-GA02	Revision: T1

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Drawing Title:
**SITE PLAN
 SALFORD
 JLG1850SJ**

Drawn By: DW	Scale @ A3: NTS UNO
Checked By: KH	Date: 19/10/2021
Drawing Number: A-BIL-118M-GA04	Revision: T1