

TECHNICAL REPORT



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LE11 3HQ

Our Ref: **TRELF31030**
Date: 12th November 2009
Delivery Date: 9th November 2009
Test Date: 10th to 12th November 2009

For the attention of Anthony Hill

SAMPLE(S) FOR TEST:

One, Staging System Ref: AALBORG STAGING

TEST REQUIREMENTS:

BS 6399-1:1996 Loading for buildings. Part 1
Code of practice for dead and imposed loads

RESULT :

PASS

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SCOPE OF TESTING

AH07 commissioned FIRA International Ltd to undertake the following work:

Carry out the range testing of the structural strength of their staging system Ref: AALBORG STAGING. The test is to determine the strength and compliance of the system to BS 6399-1:1996.

TEST METHOD

There are 3 different types of test to carry out on various components of system:

- Vertical Uniformly Distributed Load
This test requires the sample to be loaded with a dead load (7.5kN/m²) and be sustained for 24 hours.
- Vertical Point Load 1
This test requires the sample to withstand a load of 4.5kN applied with a 100mm diameter loading pad at various loading points on the deck.
- Vertical Point Load 2
This test requires the sample to withstand a load of 5.0kN applied with a 300mm x 300mm square loading pad halfway along the longest rail length.

DESCRIPTION

Item: AALBORG STAGING

Supplied by: AH07

Item	Description
Legs	Tubular steel – Ext. Diameter: 32mm Thickness: 1.5mm
Rails	Rectangular Steel – Ext Dims 40 x 20mm Thickness: 1.5mm
Decks	Plywood 17.5mm Thick
Fixings	Injection Moulded Glass Filled Nylon

All dimensions are approximate.



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TEST RESULTS

BS 6399-1:1996 LOADING FOR BUILDINGS – PART 1. CODE OF PRACTICE FOR DEAD AND IMPOSED LOADS

Item: AALBORG STAGING

INITIAL INSPECTION: NO APPARENT FAULTS

CONDITIONING: N/R

TEST	RESULT
Vertical uniformly distributed load – 1000kg sustained for 24 hours	PASS
Vertical point load 1 – 4500N point load	PASS
Vertical point load 2 – 500kg load	PASS

CONCLUSION

The Staging System Ref: AALBORG STAGING, as previously described, satisfied the load requirements and remained fully intact when tested in accordance with the loads given in BS 6399-1:1996 Loading for buildings, Part 1, Code of practice for dead and imposed loads.

Tested by R Odhavji

Reported & Approved by: Rishi Odhavji
Technical Specialist



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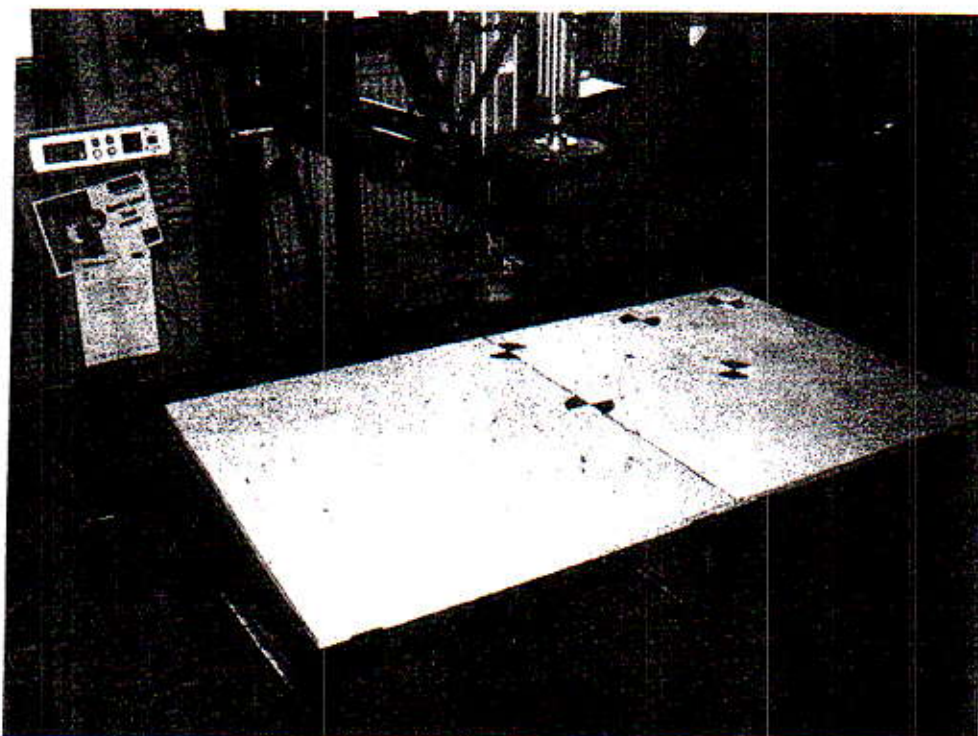


Photo 1: Loading Points for Point Load 1 Test

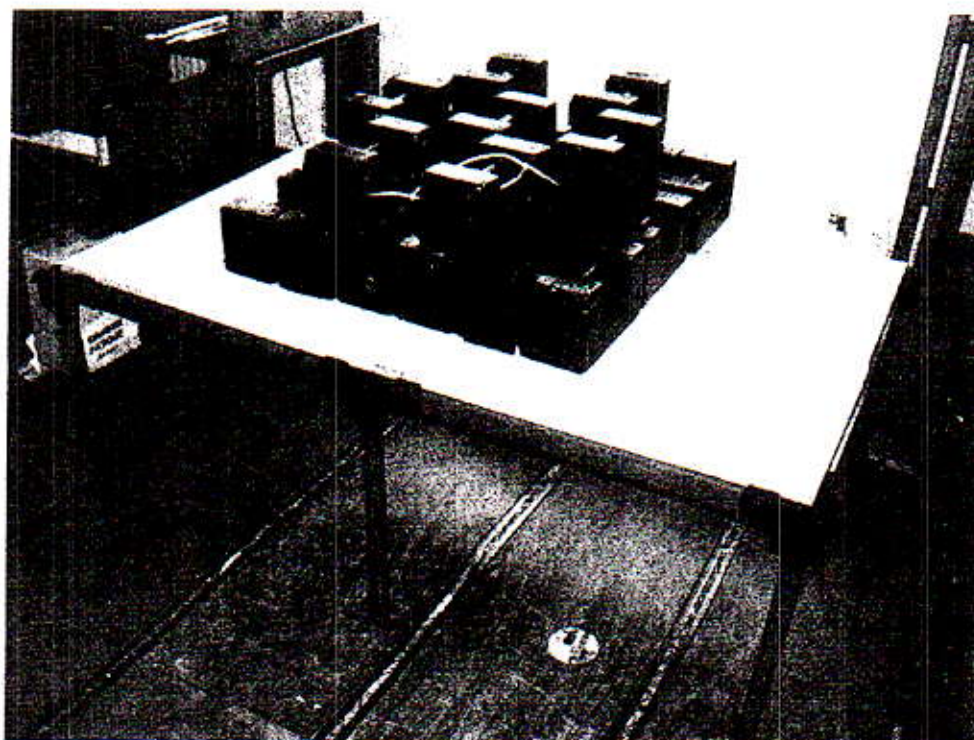


Photo 2: Loaded to Point Load 2 Test



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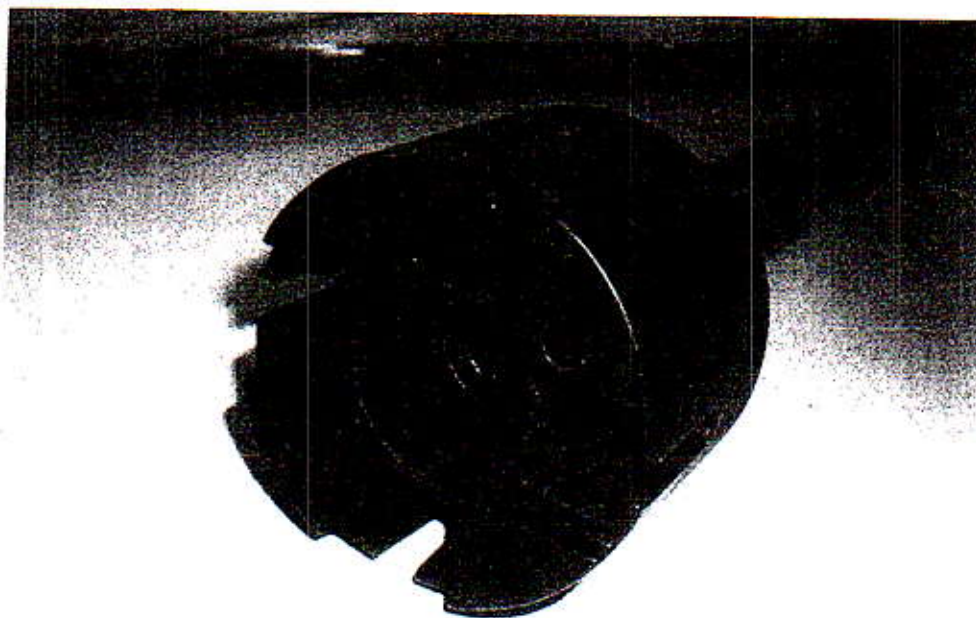


Photo 3: Moulded component fitted to top of leg

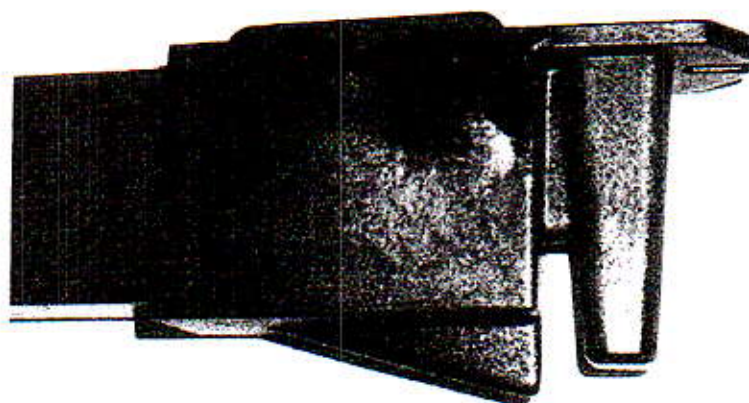


Photo 4: Moulded component fitted to each end of the rails