

Nanjing Guhua Metalwork Co Ltd
Xiongzhou Industrial Park
Luhe District
Nanjing
China
211500

Our Ref: #1417

February 25 2015

To Whom It May Concern:

RE: Nanjing Guhua Cuplock Access System

We confirm that the cup lock style scaffolding system manufactured by Nanjing Guhua Metalwork Co Ltd has complied with the structural requirements of BS EN 12810 with respect to component testing and calculation. The following system configuration classifications have been assessed under Tie Pattern B as detailed in TG20:13:

Tube Transom Frames:

Scaffold EN 12810-1N-SW12/250-H1-A-LA

Scaffold EN 12810-2N-SW12/250-H1-A-LA

Scaffold EN 12810-3N-SW12/250-H1-A-LA

Scaffold EN 12810-4N-SW12/250-H1-A-LA

Scaffold EN 12810-1N-SW12/180-H1-A-LA

Scaffold EN 12810-2N-SW12/180-H1-A-LA

Scaffold EN 12810-3N-SW12/180-H1-A-LA

Scaffold EN 12810-4N-SW12/180-H1-A-LA

Omega Transom Frames:

Scaffold EN 12810-1N-SW12/250-H1-A-LA

Scaffold EN 12810-2N-SW12/250-H1-A-LA

Scaffold EN 12810-3N-SW12/250-H1-A-LA

Scaffold EN 12810-4N-SW12/250-H1-A-LA

Scaffold EN 12810-1N-SW12/180-H1-A-LA

Scaffold EN 12810-2N-SW12/180-H1-A-LA

Scaffold EN 12810-3N-SW12/180-H1-A-LA

Scaffold EN 12810-4N-SW12/180-H1-A-LA

Testing as required by BS EN 12810 and BS EN 12811 has been completed by Test Consult Ltd, a UKAS accredited lab (UKAS No 0955) and is detailed in their report IR4442 – Rev B.

The resulting joint stiffnesses have been used to complete a buckling analysis under four of the tie patterns prescribed in TG20:13 to derive the allowable axial capacity of the standards. The remainder of the section capacities has been calculated in accordance with the requirements of BS EN 12811 and are suitable for inclusion in the user manual.

If you have any queries please contact us on the office details in the header to the right.

Yours faithfully,

Ian R Hale. BSc (Hons) MSc.



for S-Mech Ltd.

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