ATLAS

The Association of Technical Lightning and Access Specialists

Annexe to Guidance Note: Anchors for Steeplejacking
Version: 2.1 Version date: 30/04/14

Company:	**Example calculations**			Reference:	N/A
Project:	N/A			Client ref.	N/A
Title:	N/A				
Made by:	DH	Checked by:	JB	Date:	14/05/14 (dd/mm/yy)

Annexe 0: Notes and standard data

Introductory notes

Calculations are made in SI units, the international engineering standard.
SI units include tonne and kilogramme for mass, metres and millimetres for length.
Note that the unit of load is the kilonewton, kN. A mass of 1 tonne weighs 9.81kN.

Data may be input in cells shaded thus: All other cells are locked.
Where no override value is input, the cell must have no entry, including spaces.

Default mass

Default mass values are given for dead and live loads. These may be overridden by entering a different value in the shaded cell to the side of the default value.

	Default	Override	Units
Scaffold tube	4.66		kg/m
Scaffold board	4.46		kg/m
Scaffold fixing	1.00		kg
Modular scaffold frame	27.0		kg
Access davit	19.0		kg
Operative	90.0		kg
Suspension equipment (Boatswain's chair or rope access seat)	15.0		kg

Unit weights

The following are the weights used in the calculations:

Scaffold tube	4.66	kg/m	0.046	kN/m
Scaffold board	4.46	kg/m	0.044	kN/m
Scaffold fixing	1.00	kg	0.010	kN
Modular scaffold frame bracket	27.0	kg	0.26	kN
Access davit	19.0	kg	0.19	kN
Operative	90.0	kg	0.88	kN
Suspension equipment	15.0	kg	0.15	kN

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Note: The user must satisfy himself that the results of these spreadsheets are correct. Neither Atlas nor John Turner (Engineering Consultants) Ltd accept any responsibility for the answers given by these calculations.

These spreadsheets have been prepared for ATLAS by John Turner (Engineering Consultants) Ltd