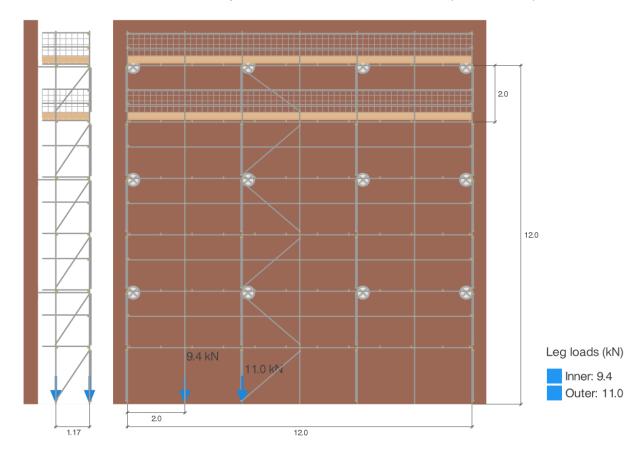|	Project no	0001	Date	11/09/2019
SMART SCAFFOLDER	Name	Sample project	Prepared by	TR
	Item	Scaffold 001	Checked by	BB
	Notes		Revision	
	File	Sample brick guard scaffold.ssc	Page	1 of 2
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Tied independent scaffolding leg loads

For tube and fitting scaffolding, in accordance with BS EN 12811-1:2003 and NASC TG20:13.

i This calculation should be read in conjunction with the wind factor and tie duty calculation reports.

Site location

Description	Value
Site address	East Overcliff Drive, E Overcliff Dr, Bournemouth BH1, UK
TG20:13 wind factor, $S_{TG20:13}$	26.6
Peak velocity pressure at 13.00 m, $q_{p(z = 13.00m)}$	0.888 kN/m²

	Project no	0001		Date	11/09/2019
SMART SCAFFOLDER	Name	Sample project		Prepared by	TR
	Item	Scaffold 001		Checked by	BB
	Notes			Revision	
	File	Sample brick guard scaffold.ssc		Page	2 of 2

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Scaffold dimensions

Description	Value
Number of boarded lifts, n_b	2
Number of unboarded lifts, n_u	4
Maximum lift height, H_{lift}	2.00 m
Maximum bay length, L_{bay}	2.00 m
Number of main boards wide, n_m	5
Number of inside boards, n_i	2

Edge protection

Description	Value
Guard rails at boarded lifts, $n_{gr,b}$	2
Guard rails at unboarded lifts, $n_{gr,u}$	1
Inner guard rails at boarded lifts	None
Inner guard rails at unboarded lifts	None
Inner toe boards	None

Scaffold configuration

Description	Value
Cladding	Brick guards
Facade permeability [1]	Impermeable
Tie pattern	TG20:13 A
Structural transoms	None

Loading

Description	Value
Main platform working load, P_m	2.00 kN/m²
Inner platform working load, P_i	0.75 kN/m²
Number of loaded lifts, n_l	1
Number of 50% loaded lifts, $n_{l,50}$	1

[1] No significant openings.

Results summary

Description	Inner	Outer
Maximum unfactored leg load (kN)	9.4	11.0

TG20:13 check

Check	Result
TG20:13 compliance criteria check	✓ Pass
TG20:13 safe height check	✓ Pass

i This scaffold is TG20:13 compliant, with the following conditions in addition to the design criteria specified above:

No.	TG20:13 compliance note
1	The maximum leg load should be communicated to the Engineer responsible for the scaffold foundation design.
2	Tie tubes should be connected to the inner and outer standards or ledgers with right-angle couplers.