

1. 225 x 38mm BS EN 2482 visually graded scaffold board as toe board secured against movement using board clips or single couplers to uprights. Where a joint in boards occurs install additional tube(s) from handrails to ledger to enable toe boards to be secured against movement.
2. 225mm x 38mm BS EN 2482 visually graded scaffold boards as decking members with no greater gap than 25mm between boards. (Except between main boards and inside boards where gap should not exceed 50mm). Where there is a risk of falling materials causing injury all gaps should be covered with plywood or similar. Boards to have no greater overhang than 150mm.
3. Where there are three (3) inside boards the maximum design service load should not exceed **0.75kN/m²** on levels indicated.

SYSTEM TEMPORARY ROOF

35. System beams to be installed as per manufacturers guidance at angle indicated
36. Beams are to be installed as per manufacturers guidance.
37. Where beams are connected together spigot pins and spring pin clips are to be used in accordance with manufacturers guidance.
38. Horizontal facings are to be installed as indicated on the design and in accordance with manufacturers guidance.
39. Brace frames to be installed between the beam chords at positions indicated.
40. Plan bracing frames is to be installed as indicated on the drawing in accordance with manufacturers guidance.

DESIGN APPROACH

41. This 'design' has been carried out using the limit state approach in accordance with BS EN 12811-1, NASC TG20:(Current) and the Eurocode Suite.

42. All proprietary equipment should be installed and used in accordance with the manufacturers instructions.

43. The design has been produced using information provided to us by yourself and/or by others involved in the project. It is your responsibility to ensure that the 'services' provided are correct and the specification for the works has been interpreted correctly. This includes but is not limited to; loading, dimensions, lift heights etc. It is your responsibility to ensure that you produce a Risk Assessment and Method Statement (RAMS) in line with the design and that all items detailed are practicable.

44. The anchors / ties used in design are based on correct installation in accordance with manufacturer's details and the implementation of proof tests in accordance with NASC TGD:(Current) to ensure suitability of building structure. A minimum of 5% of the total number of anchors/ties should be tested to the values indicated in 'LOADINGS' notes. It is the responsibility of the Principal Contractor or Project Management Team to ensure approval of loads is sought from a structural engineer - CREATOR Ltd cannot take responsibility for the existing structure and its load capacity/integrity. It is the responsibility of the scaffolding contractor to ensure that load bearing couplers are used for all ties, that they are installed correctly and fully in accordance with the design. Under no circumstances should ties be removed once installed as per the design. Should a tie require removal Creator Ltd should be contacted for advice.

45. It is the responsibility of the Principal Contractor to prepare all ground prior to erection. The forces/pressures to the ground, as detailed in 'LOADINGS', should be approved by the Principal Contractor prior to erection ensuring that settlement is kept to an absolute minimum. All foundations should be regularly inspected and as a minimum during the statutory weekly inspection. If at any stage the Principal Contractor / Contractor has concerns with the ground CREATOR Ltd should be contacted immediately.

46. It is the responsibility of the Principal Contractor to ensure that all loads applied to the existing structure are approved by a competent structural engineer prior to erection of the scaffold structure as this involves matters beyond our remit. See 'LOADINGS' for summary of loads to the existing structure. Should the existing structure be unsuitable to support the applied loads contact CREATOR Ltd prior to erection to obtain new proposals. Once approval of loads has been made and scaffold has been erected, the existing structure should be regularly inspected by the Principal Contractor.

DESIGN SERVICE LOADS (LIVE LOADS)

47. It is the responsibility of the Principal Contractor and Scaffold Contractor should ensure that the loads allowed in 'LOADINGS' notes are suitable for the work being undertaken and that the loading can be effectively managed by the Principal Contractor during the in-use phase.

48. The maximum number of boarded levels is as indicated on the design and in the 'LOADINGS' section of the design. It is the responsibility of the scaffold contractor to ensure that the correct number of boarded levels are installed, that boards are in good condition showing no signs of defects and that they are effectively secured against movement.

31. UBIX keder system sheeting to be installed as per manufacturers guidance.
32. UBIX system diagonal bracing to be installed as per manufacturers guidance.
33. All beam connections are to be made using spring pins and spigot pins in accordance with manufacturers guidance.
34. All roof beams are to be secured to trimmer beams using a

- ## DIMENSIONS

50. All written dimensions should take precedence over scaled dimensions. Any dimensional discrepancies on the design should be notified to Creator Ltd. It is the responsibility of the Scaffold Contractor and/or Scaffold Contractor to ensure the scaffold is set out correctly and in accordance with the design.

51. It is the responsibility of the Principal Contractor/Scaffold Contractor to obtain all permits and permissions prior to erection of the scaffold.

52. This document remains the exclusive property of Creator Ltd and should be returned immediately upon request. No modification or alteration should be made to the design without written permission from Creator Ltd.

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Likelihood		Severity		Risk Level		Risk Assessment Notes				
Probability of Occurrence	Probability Index	Hazard Severity / Potential Maximum Consequence	Severity Index	Hazard Severity Index	Probability Index					
So unlikely that probability is close to zero	A	Minor injury/illness resulting in lost time of 3 days or less	1	1	L	L	M	H	H	<ul style="list-style-type: none"> • Risk assessment in accordance with the Construction (Design and Management) Regulations 2015 • All control measures to be managed on site by party indicated in 'action to be taken by;' column • All residual risks will be indicated on the design as follows; <div style="text-align: center;"> <p>Description of control Measure to be adopted</p> <p>Description of Risk</p> <p> RISK - [.....]</p> <p>Control Measure: [.....]</p> </div>
Unlikely though conceivable	B	Injury/illness resulting in lost time of more than 3 days	2	2	L	M	H	H	H	
Likely to occur sometime	C	Major injury causing long term loss of work	3	3	L	M	H	S	S	
Occurrence not surprising. May occur more than once.	D	Major illness / Disability / Single Fatality	4	4	M	H	S	S	S	
Occurrence inevitable. May occur many times.	E	Multiple Fatality	5	5	M	H	S	S	S	

Hazard:	Initial Risk			Risk Control Measures:	Residual Risk		
	P	R	L		P	R	L
Inaccuracies in the visual representation and detailing of existing 'structure' and ground based obstacles etc.	C	1	M	Accuracies to be checked on site and any discrepancies made aware of to Creator Ltd as erection progresses.	C	1	M
Excessive bay sizes installed during erection process causing structural failure of various members.	C	4	S	Bay sizes indicated to be maintained with the tolerances level indicated on the design. This tolerance should not be the norm for all bays	C	1	M
Failure of the scaffold during the in-use phase caused by overloading.	A	4	M	The maximum design service load indicated to be managed by the principal contractor and all loads indicated on the Scaffold	A	3	L
Excessive lift heights installed during erection causing buckling of the uprights.	C	4	S	Maximum lift heights to be installed by the scaffold contractor as detailed in the design $\pm 100\text{mm}$.	A	3	L
Unauthorised access onto/into the scaffold structure	D	3	S	Where appropriate, ladder access will be installed and dismantled when required. Where indicated on the design, hoarding will be installed by the principal contractor.	A	3	L
Damage to the scaffold structure caused by on-site works or otherwise.	B	4	H	The principal contractor is to ensure all relevant procedures are in place when site vehicles are operating in close proximity of the scaffold structure.	A	3	L
Overloading of existing structure due to the need to support the scaffold structure.	B	4	H	All loads to the existing structure(s) will be checked by a structural engineer before erecting the scaffold.	A	3	L
Failure of the existing bearing stratum by means of: exceeding the bearing stratum, immediate settlement, consolidation settlement, saturated soils etc.	C	4	S	The maximum legloads and reactions should be appraised by the principal contractor. All founded on hardstanding.	A	3	L
Instability of scaffold boards to main boarded deck(s) during all stages i.e. in-use and out-of-use.	A	4	M	All boards to be secured down against uplift using board clips or similar.	A	4	M
Instability of ladder access and the ability for persons to fall as a result. Also, falls as a result of no handrails adjacent to ladder access.	B	4	H	Ladder to be effectively secured against movement and access gate provided adjacent to the ladder access	A	1	L
Insufficient board bearers (transoms) causing boards to fail under maximum design service load	A	4	M	Transoms to be installed at positions / centres indicated on the design	A	3	L
Boards of insufficient 'quality' to sustain maximum design service load (defects in boards such as rotting, 'cut' etc)	C	4	S	Boards should be visually inspected regularly to ensure they are of sufficient 'quality' to sustain the loads. Boards of insufficient quality should be replaced.	A	3	L
Materials / objects falling from boarded deck level / persons passing through void between intermediate guardrail and deck	A	5	M	Toeboards to be secured to leading edges and double guardrails installed where falls from height are possible	A	1	L
Materials / objects falls through scaffold into a pedestrianised area or other area causing damage / injury to persons / objects.	B	5	H	Toeboards to be secured to leading edges and double guardrails installed where falls from height are possible. A protective polythene layer is to be installed between boards.	B	1	L
Falls from height / gaps in decking members	B	5	H	Double guardrails installed where falls from height are possible. Gaps to be a maximum of 25mm except between any inside board and main boards which should be 50mm	B	1	L
Coupler of insufficient tightness, grade and quality	C	5	S	Couplers to be manufactured to EN74 and should be tightened to a 50Nm torque. Couplers should be undamaged	C	1	M
Collision of vehicles with scaffold	C	5	S	Demarcation to be implemented. To prevent collision temporary vehicle crash barriers to be installed by the principal contractor.	C	1	M

Control Measure: The design service loads indicated should be closely site managed to ensure that only **2** number of working levels are present at one time. The load conditions of the scaffold should be clearly identified on the scaffold tag.

Control Measure: Prior to erection the scaffold contractor and/or principal contractor should check the existing structure to ensure the scaffold can be based out and erected as detailed and inform Creator Ltd of any discrepancies.

Control Measure: Principal contractor to employ a structural engineer to ensure the applied loads from the scaffold do not overload the existing structure. Creator Ltd to be contacted where structure is deemed unsafe to support scaffold structure.

Control Measure: The scaffold contractor must ensure that the maximum bay size installed are as indicated and should not be exceeded. It is the responsibility of the scaffold contractor to remedy any defects.

Control Measure: Maximum lift heights to be installed as detailed by the scaffold contractor and have a maximum tolerance of $\pm 100\text{mm}$

[illegible]