

PLAN LAYOUT
5TH LIFT SCAFFOLD
SCALE 1:50

Property
This drawing is the Intellectual property of TAD Ltd. No unauthorised use, copy or disclosure is to be made without written consent.

CDM Regulations 2015
TAD Ltd have understood and conformed with the responsibilities imposed by the Construction (Design & Management) Regulations 2015. The Client must ensure they are aware of their duties imposed by the CDM Regulations 2015, Regulation 9.

Basis of Design
This drawing has been prepared using a permissible stress design approach. This drawing has been prepared in accordance with the following standards and technical guidance:

- NASC TG20:21
- BS EN 12811-1: 2003
- BS 5975: 2019
- BS EN 1991-1-4: 2005+A1: 2010 Wind Actions
- BS EN 1991-1-3: 2003+A1: 2015 Snow Loads
- EN 13374: 2013

This design has been prepared from information supplied to us by the Contractor. The Contractor should check that their requirements have been correctly interpreted and depicted in a practicable design solution prior to erection. The Contractor should verify all site dimensions and notify TAD Ltd of any discrepancies prior to erection. All Written dimensions shall take precedence over scaled dimensions.

Materials
All scaffolding materials to comply with the TG20:21 and BS EN 12811-1. Scaffold tube has been taken as BS EN 39 type 4 'new' condition. All scaffold fittings taken as load-bearing **CLASS B** fittings unless otherwise stated on the drawing. All proprietary equipment has been designed in accordance with the manufacturers specifications. All Scaffold boards to comply with BS2482:2009. All scaffold boards are to be restrained as per TG12.

Platform Loading
Load Class: 3
Imo. Lift at: 2.00kN/m²
Imo. Lift at: 1.00kN/m²
Inside Boards: 0.75kN/m²

Wind Loading
Wind Load (Qp): 0.827kN/m²

Wind loads have been generated in accordance with BS EN 1991-1-4 and are based on a 2-year wind exposure period. The Main Contractor must notify TAD Ltd if the scaffold is to remain in situ for more than 2 years.

Leg Loads
Maximum Leg Load: 40.00kN (Cantilever Beam Support Stds)
Typical Leg Load: 18.00kN

Main Contractor to ensure the foundations are capable of supporting the leg loads. Where the scaffold is supported or suspended from an additional structure the Main Contractor must ensure that the structure is capable of supporting the loads.

Butt Loads
Maximum Butt Load: 18.00kN

The Main Contractor is responsible for ensuring the existing structure can support the loads. The selection should be made by the contractor using guidance from TG4. Ties must be tested in accordance with TG4. Main Contractor to ensure that no ties are removed without the written approval of TAD Ltd.

Cladding
No sheeting, signboards or hoarding, unless already shown, should be added to the scaffold without the written permission from TAD Ltd. All sheeting should be fixed externally to the scaffold.

Kentledge
Kentledge Loads should be positioned on the scaffold as per the drawing. Kentledge must be installed on completion of the first lift. Unless otherwise stated, all kentledge loads must remain in situ for the duration of the scaffold life-span.

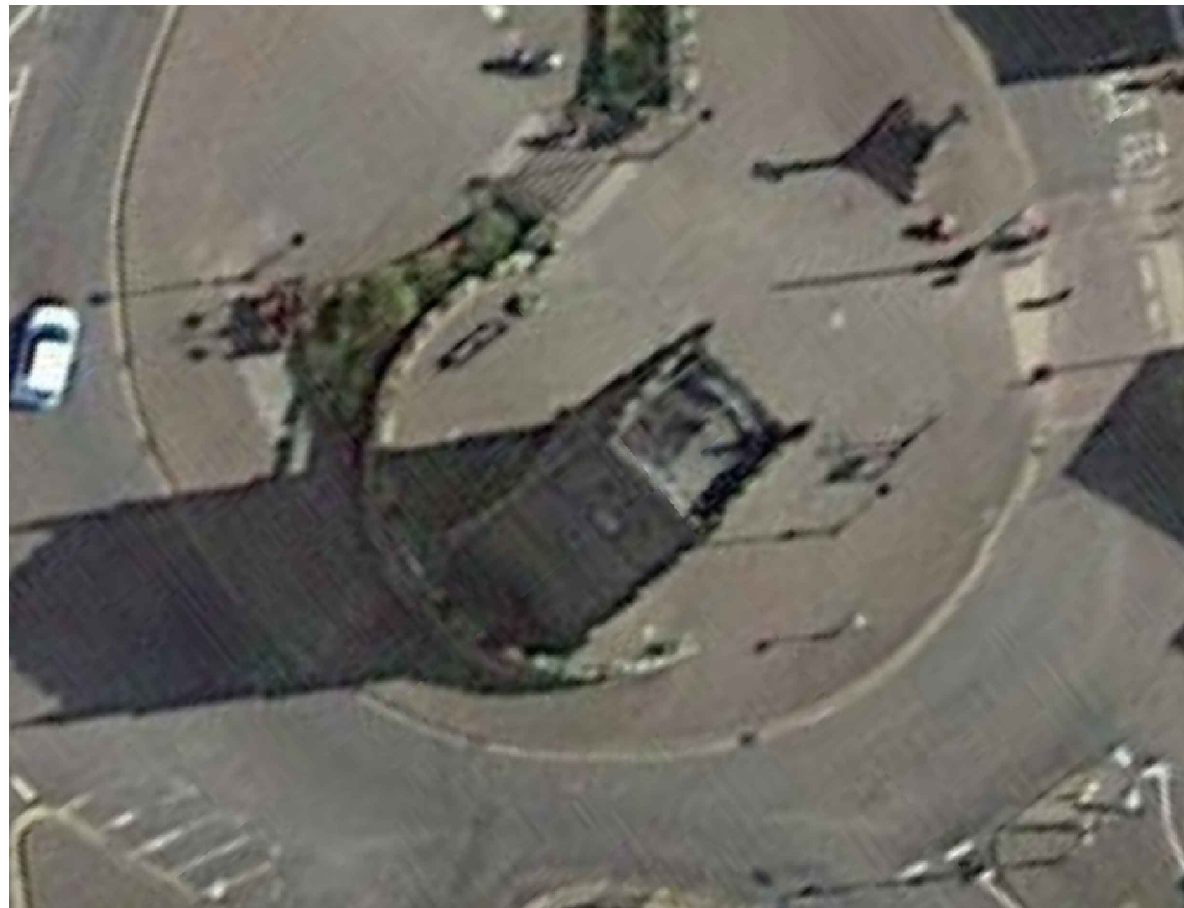
Support Scaffolds
Due to matters beyond our knowledge, TAD Ltd will not pass comment on the condition or stability of the existing building/structure. It is the Main Contractors responsibility to ensure that the existing building/structure can safely span between scaffold supports, and can be safely supported in the way indicated.

Temporary Roofs/Shelters
TAD Ltd cannot ensure temporary roofs are erected watertight. All ties indicated on the drawing must be installed prior to the construction of the roof. For mono-pitch temporary roofs, the minimum slope angle of the roof sheeting is 5° when using CI sheets. For all roof systems the manufacturers guidance should be followed.

Modification
No modifications or alterations are to be made to the scaffold structure in this drawing without written consent from TAD Ltd.

Inspections
The Main Contractor and/or Client must ensure the scaffold structure in this drawing is inspected in accordance with the Work at Height Regulations 2005.

Generic Designs
Any Individual or Organisation selecting a generic design takes on the role of 'Designer' under the CDM regulations 2015 and must ensure they are aware of their roles responsibilities as Designers. Generic designs must be assessed for suitability by the Designer.



Health, Safety & Environmental Risks		
THE FOLLOWING NOTES HIGHLIGHT SIGNIFICANT RESIDUAL HAZARDS IDENTIFIED BY THE DESIGNER. TYPICAL HAZARDS THAT SHOULD BE IDENTIFIED BY A COMPETENT CONTRACTOR ARE NOT INCLUDED. THE CONTRACTOR SHALL CARRY OUT THE WORKS USING AN APPROVED SAFE SYSTEM OF WORK. FURTHER INFORMATION ON HAZARDS CAN BE FOUND IN DRA AND / OR CSM HAZARD LOG.		
Ref	Hazard	Mitigation Measure
TAD01	Ground Stability	Main Contractor to assess the existing ground and ensure it can suitably support the noted leg loads before erection. Assessment(s) must be undertaken by Main Contractor appointed competent persons.
TAD02	Underground Services	Main Contractor to assess all underground services and ensure they are not compromised by the scaffold layout prior to erection. Assessment(s) must be undertaken by Main Contractor appointed competent persons.
TAD03	Live/Imposed Load Allowance	Main Contractor to ensure the noted loads are adequate prior to erections. TAD Ltd must be informed if loads are inadequate.
TAD04	Structure Stability	Main Contractor to ensure the existing building/structure can support the noted imposed loads prior to erection. Assessment(s) must be undertaken by Main Contractor appointed competent persons.
TAD05	Beam Capacity	Scaffold Contractor to ensure all beams have the correct capacities in accordance with the noted specifications.

KEY	
	Grounded Standards
	Puncheon Standards
	Section/Facade/Beam Bracing
	Plan Bracing
	450mm Deep Alloy Beam
	780mm Deep Alloy Beam
	Butt Position

CANTILEVERED 450mm Deep ALLOY BEAM	
- Plan braced Bottom chord - fixed at 1.00m centres - Laced TOP chord at 2.00m centres - Laced BOTTOM chord at 1.00m centres - Section braced at 2.00m centres	
All connection made using load bearing couplers.	
Beam Capacities (Permissible Stress)	
Min. Bending Moment Capacity	= 15.70kN.m
Min. Shear Force Capacity	= 12.70kN

CANTILEVERED 780mm Deep ALLOY BEAM	
- Plan braced Bottom chord - fixed at 1.00m centres - Laced TOP chord at 2.00m centres - Laced BOTTOM chord at 1.00m centres - Section braced at 2.00m centres	
All connection made using load bearing couplers.	
Beam Capacities (Permissible Stress)	
Min. Bending Moment Capacity	= 36.50kN.m
Min. Shear Force Capacity	= 30.70kN

Revisions				
#	Date	Description	Drawn By	Checked By
-	00/00/2020	-	-	-



DVHA/Coleford Town Council
Coleford Clock Tower
26-TAD-039-DRG-002
Plan Layout(s) Sheet 2

Scale at A1:	1:50	TAD Scaffold Designs
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Drawing Status **For Discussion** Not For Construction