

puncneons secured to beams using 90's to top and bottom chords.

bracing indicated thus, secured using load bearing couplers.

ladder beam to leading edge to support 2no abseils at bottom chord.
beam secured using 90's top and bottom to standards with check fittings under.

beams laced and braced as noted.

beams secured to standards using 90's to top and bottom chords with supplementary fitting to underside.

20no. 3m scaffold tubes as kentledge to rear of scaffold.
fixed in position using strap tubes.

board bearers at max 0.900m c/c, secured using clips.

standards on baseplates on soleboards on foundation by others.

SCAFFOLD PLATFORM ACCESSED VIA LADDER FROM ROOF SURFACE.
INTERMEDIATE GUARDRAILS TO DEFINE "SAFE ZONES" AS PER ABSEIL INSTRUCTORS REQUIREMENTS.

beams secured to standards using 90's to top and bottom chords with supplementary fitting to underside.

20no. 3m scaffold tubes as kentledge to rear of scaffold.
fixed in position using strap tubes.

max 30kN to this set of standards

bracing indicated thus, secured using load bearing couplers.

20no. 3m scaffold tubes as kentledge to rear of scaffold.
fixed in position using strap tubes.

GENERAL NOTES

Property
This drawing is confidential and is the property of Optima Scaffold Designs LLP. No unauthorised use, copy or disclosure is to be made without written permission.

CDM Regulations 2015
The Construction (Design & Management) Regulations 2015, regulation 9, requires that we make the client aware of their duties imposed by the regulations.
Guidance on your duties are detailed within The Construction (Design & Management) Regulations 2015.

Basis of Design
This drawing has been prepared from information supplied to us by, or on behalf of the contractor, who should check that his requirements have been correctly interpreted and that all loading, dimensions, lift heights, bay sizes, erection/striking sequences etc. are as required and practicable. This drawing has been prepared in accordance with the following:
NASC TG20:13, BS EN 12811-1:2003
BS 5975:2008+A1:2011 Code of practice for temporary works procedures and the permissible stress design of falsework.
BS EN 1991-1-3:2003+A1:2015 Snow Loads
BS EN 1991-1-4:2005+A1:2010 Wind Actions
All scaffolding materials forming this structure are to comply with NASC TG20:13 & BS EN 12811-1:2003.
Scaffold tube taken as BS EN 39:2001 type 4 "as new" condition.
All scaffold fittings taken as load-bearing class A fittings unless stated otherwise.
All proprietary equipment must be used in accordance with the manufacturers information.
Scaffolding structure to be erected and maintained by competent operatives in accordance with NASC SG4 and Work at Height Regulations 2005.
Scheme to be read in conjunction with the scaffold contractors quotation, risk assessment and method statement for which the scaffold contractor is totally responsible.

Wind / Snow Loads
The exposure period to wind and snow loads of this temporary structure is a maximum of 2 years, unless reduced in the table below. Specific advise must be sought if the intended life-span is to exceed 2 years.

Working Platforms
All working platforms must comply with the statutory regulations at all times.
Scaffold boards are to be restrained against movement as per NASC TG12.

Foundations/Supports
The contractor is responsible for the design of all foundations, below the scaffold baseplate.
Where equipment is supported or suspended from an existing structure the contractor must ensure that the existing structure is adequate to safely support the scaffold loads.

Tying
The contractor is responsible for ensuring the existing structure is capable of safely withstanding the scaffold tie loads.
Tie selection should be made by the contractor using guidance from NASC TG4.
Anchors should be fixed and tested in accordance with NASC TG4.
All ties tubes to be fixed with load-bearing couplers.
The contractor is to ensure that no ties are removed without the approval of Optima Scaffold Designs LLP.

Shoring Work
Optima Scaffold Designs LLP. cannot and will not pass comment on the building being shored as this involves matters beyond our knowledge. It is the contractors responsibility to ensure that the existing structure will safely span between our supports, and can be safely shored in the way indicated.

Temporary Roofs
No temporary roof can be made watertight.
When kentledge or anchorage is specified on the drawing, it must be installed prior to erection of the scaffold above the 1st lift.
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 recommendations should be followed.
All temporary roofs to be in accordance with NASC TG9.

Sheeting/Fans
No wind protection, sheeting or fans etc. to are to be added to the scaffolding structure unless otherwise stated on this drawing.

Kentledge
Where a scaffold requires kentledge for stability, the kentledge should be placed in position prior to erection of the scaffold above the 1st lift.

Modifications
No alterations are to be made to the scaffold structure detailed on this drawing without written permission from Optima Scaffold Designs LLP.

Dimensions
Written dimensions shall take precedence over scaled dimensions.
The contractor should verify all site dimensions and notify Optima Scaffold Designs LLP. of any discrepancies.
The contractor is responsible for accurately setting the position of the scaffold structure.

DESIGN NOTES

Platform Imposed Load
10kN (10no people)

Environmental Loads
wind (qp) = 0.533kN/m²
exposure period, september & october only

Foundation Load
maximum load per standard = 15kN

Check Category (BS5975)
category 1

CANTILEVER 780mm ALLOY BEAMS LACED;

- 2m c/c to top chord,
- 1m c/c to bottom chord,
- plan braced to BOTTOM chord nodes (1m c/c),
- section braced @ 2m c/c.
- all connections made using load-bearing couplers.

Minimum Performance (safe working):
Bending resistance = 38.8kNm
Shear resistance = 31.6kN

FOR CONSTRUCTION

C	12/9/19	construction drawing	R.M.	R.S.L.
B	12/9/19	bays amended.	R.M.	R.S.L.
A	11/9/19	bays amended.	R.M.	R.S.L.
Revision	Date	Description	Prepared	Checked



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ISO A3, 420mm x 297mm.

NASC
NASC INFORMATION MEMBERSHIP

Client	MONTANA SCAFFOLDING LTD.			
Job Title	WELLS CATHEDRAL.			
Drawing Title	CANTILEVER ABSEIL PLATFORM.			
Scale	1:100	Date	06/09/2019	Drawing Number
Prepared by	R.M.	Checked by	R.S.L.	19/OPT/7779-001
Sheet	1	Revision	C	