



305mm DEEP STEEL LADDER BEAM LACING AND BRACING NOTE

- FIX ROW OF PLAN BRACING DIRECTLY BELOW TOP CHORD OF BEAM ALONG FULL LENGTH.
- FIX LATERAL BRACING FROM TOP CHORD TO BOTTOM CHORD AT 2000mm CENTRES MAX. AND AT EVERY STANDARD / PUNCEON LOCATION.
- FIX LACING TUBE ACROSS TOP CHORD AT 1000mm CENTRES MAX.
- FIX LACING TUBE ACROSS BOTTOM CHORD AT 2000mm CENTRES MAX.

FIX ALL LACING AND BRACING WITH CLASS 'B' LOAD BEARING COUPLERS.



750mm DEEP APOLLO X-BEAM LACING AND BRACING NOTE

- FIX ROW OF PLAN BRACING DIRECTLY BELOW TOP CHORD OF BEAM ALONG FULL LENGTH.
- FIX LATERAL BRACING FROM TOP CHORD TO BOTTOM CHORD AT 2000mm CENTRES MAX. AND AT EVERY STANDARD / PUNCEON LOCATION.
- FIX LACING TUBE ACROSS TOP CHORD AT 1000mm CENTRES MAX.
- FIX LACING TUBE ACROSS BOTTOM CHORD AT 2000mm CENTRES MAX.

FIX ALL LACING AND BRACING WITH CLASS 'B' LOAD BEARING COUPLERS.



1300mm DEEP APOLLO X-BEAM LACING AND BRACING NOTE

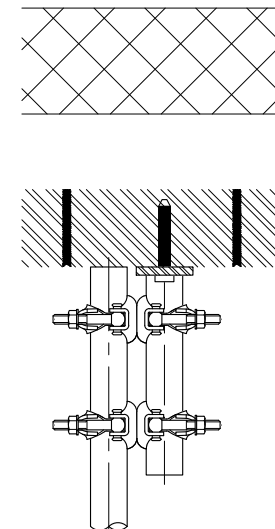
- FIX ROW OF PLAN BRACING DIRECTLY BELOW TOP CHORD OF BEAM ALONG FULL LENGTH.
- FIX LATERAL BRACING FROM TOP CHORD TO BOTTOM CHORD AT 2000mm CENTRES MAX. AND AT EVERY STANDARD / PUNCEON LOCATION.
- FIX LACING TUBE ACROSS TOP CHORD AT 1000mm CENTRES MAX.
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FIX ALL LACING AND BRACING WITH CLASS 'B' LOAD BEARING COUPLERS.

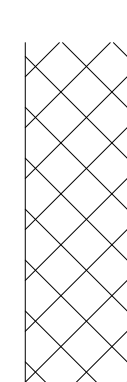


PRINCIPLE CONTRACTOR TO ENSURE EXISTING STRUCTURE IS CAPABLE OF WITHSTANDING LOADS IMPOSED BY SCAFFOLD STANDARDS, TIES AND BUTTING TUBES.

WHEN TIE TUBE IS FIXED MORE THAN 300mm FROM A NODE POINT, FIX ADDITIONAL BRACE FROM THE TIE POINT BACK TO THE NEAREST NODE.



PLAN VIEW



ELEVATION



WELDED BUTT TUBE TIE DETAIL

1:10



FIX M12 x 150mm ANKER BOLT INTO BRICK WITH 140mm MINIMUM EMBEDMENT.

FIX WELDED BUTT TUBE TO TIE TUBE USING 2No. SWIVEL COUPLERS.

FIX TIE TUBE THROUGH 2No. STANDARDS OR LEDGERS WITHIN 300mm OF NODE POINT USING CLASS 'B' LOAD BEARING COUPLERS.

GENERAL NOTES

- THIS DRAWING IS CONFIDENTIAL AND IS THE EXCLUSIVE PROPERTY OF FKR. NO UNAUTHORIZED USE, COPY OR DISCLOSURE IS TO BE MADE, AND IS TO BE RETURNED UPON REQUEST.
- CONSTRUCTION TO COMPLY FULLY WITH BS EN 12811-1 USING NASC TECHNICAL GUIDANCE T620 I.5.
- SCAFFOLD ERECTION AND DISMANTLING TO CONFORM WITH SG 4 : 22
- SCAFFOLD BUILT FROM TUBULAR MATERIALS CONFORMING TO BS 1139 OR TYPE 4 TUBE TO BS EN 36. ALL TUBE TO BE IN AS NEW CONDITION.
- FITTINGS TO COMPLY WITH BS 1139 OR BS EN 74 CLASS A OR CLASS B.
- SCAFFOLD BOARDS TO COMPLY WITH BS2482 : 2009 (38MM X 225MM).
- THIS DRAWING HAS BEEN PREPARED FROM DETAILS SUPPLIED BY THE CLIENT, WHO SHOULD CHECK THAT WE HAVE CORRECTLY INTERPRETED THEIR REQUIREMENTS. THE CLIENT SHOULD CHECK THAT ALL LOADINGS, DIMENSIONS, DETAILS, ERECTION AND DISMANTLING SEQUENCES ARE CORRECT AND PRACTICABLE. NO ALTERATION OF LIVE LOAD MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT.
- ALL STANDARDS TO BE BASED ON MILD STEEL BASE PLATES AND 38mm SOLE BOARDS UNLESS STATED OTHERWISE.
- NO SHEETING, SIDING OR HOARDINGS, UNLESS ALREADY SHOWN, SHOULD BE ADDED TO THE SCAFFOLD WITHOUT PRIOR WRITTEN CONSENT.
- IT IS THE RESPONSIBILITY OF THE CLIENT TO ENSURE THAT ADEQUATE FACILITIES FOR TYING THE SCAFFOLD ARE MADE AVAILABLE AND THAT THE BUILDING OR STRUCTURE IS CAPABLE OF WITHSTANDING THE LOADS APPLIED TO IT BY THE SCAFFOLD.
- NO TIES OR BRACES ARE TO BE REMOVED OR ANY MODIFICATION TO BE MADE TO THE SCAFFOLD WITHOUT PRIOR WRITTEN CONSENT.
- THE CLIENT MUST ENSURE THAT ALL LOADINGS ARE SUFFICIENT, THAT THE STATED LIVE LOADS ARE NOT EXCEEDED AND ENSURE FOUNDATIONS AND/OR SUPPORTS ARE CAPABLE OF SUPPORTING THE LOADS IMPOSED UPON THEM BY THE SCAFFOLD.
- ALL DIMENSIONS ARE AS STATED OR AS CALCULATED. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. DIMENSIONS IN MM UNLESS STATED OTHERWISE.
- THIS DRAWING HAS BEEN PREPARED ON THE ASSUMPTION THAT ALL LOADS WILL BE APPLIED AXIALLY TO THE TUBES UNLESS SPECIFICALLY STATED.

DIM DENOTES DIMENSIONS BETWEEN CENTRES OF STANDARDS/TUBES

DIM* DENOTES CLEARANCE/SET-OUT DIMENSIONS

IDENTIFICATION OF RESIDUAL HAZARDS

A1 THIS SYMBOL DENOTES WHERE RESIDUAL HAZARDS REMAIN ON THE SCAFFOLD. SYMBOL CODE (ie. A1, B3, C3 etc.) DENOTES THE RISK ASSESSMENT REFERENCE NUMBER

DESIGN ORGANISATION

48.3

DESIGN CHECK ORGANISATION

48.3

THE FOLLOWING DESIGN CHECK CATEGORY HAS BEEN ASSIGNED BY THE TEMPORARY WORKS CO-ORDINATOR (TWC) IN ACCORDANCE WITH BS 5753:2008 + A1:2011

1 CHECK CAN BE CARRIED OUT BY A MEMBER OF THE DESIGN TEAM

ERECTION TOLERANCES

ALLOWABLE VERTICAL AND HORIZONTAL TOLERANCES IN ANY GIVEN BAY:	
LIFT HEIGHT	VERTICAL TO WITHIN ± 100mm IN 2000mm
BAY LENGTH	HORIZONTAL TO WITHIN ± 200mm
NODE	150mm BETWEEN COUPLER CENTRES
BRACING	300mm FROM NODE

SCAFFOLD ERECTION PERIOD

ALL DRAWINGS ISSUED ARE VALID ONLY FOR THE ERECTION PERIOD STATED. FOR USE OF THE SCAFFOLD BEYOND THE ERECTION PERIOD WRITTEN CONFIRMATION MUST BE OBTAINED FROM 48.3 SCAFFOLD DESIGN.

MONTH OF ERECTION UNKNOWN

ERECTION PERIOD 2 YEARS

IMPOSED AND PERMITTED LOADS

THE CLIENT MUST ENSURE THAT STATED LOADINGS ARE SUFFICIENT FOR INTENDED USE. THAT LIVE LOADS SPECIFIED ARE NOT EXCEEDED AND THAT FOUNDATIONS AND OR SUPPORT ARE SUITABLE FOR RESISTING STATED LOADS.

LOAD CLASS / DESIGNATION	N/A
MAXIMUM UDL (MAIN PLATFORM)	1.50 kN/m²
MAXIMUM UDL (INSIDE BOARDS)	0.75 kN/m²
LOADED PLATFORMS	100%
WIND LOAD (as)	0.58 kN/m²
SNOW LOAD	0.35 kN/m²
MAXIMUM AXIAL LOAD IN STD.	47.59 kN
NUMBER OF TIES	SEE DRAWING
MAXIMUM TIE LOAD (GREEN)	7.20 kN
TIE TEST LOAD (1.25:1 F.O.S.)	9.00 kN
MAXIMUM TIE LOAD (BLUE)	33.25 kN (SHEAR LOAD)
MAXIMUM TIE LOAD (RED)	7.20 kN

02	2025-03-12	REVISED PRELIMINARY DESIGN FOLLOWING SCAFFOLD SCHEDULE ISSUE	P	RF	IM	DS	CS
01	2025-03-07	REVISED PRELIMINARY DESIGN FOLLOWING SITE VISIT	P	RF	IM	MK	--
00	2025-01-31	ORIGINAL ISSUE	P	RF	IM	MK	--
REV	DATE	DESCRIPTION	STATUS	DRW.	DES.	CHK.	APR.

483

DRIVING THE EVOLUTION OF SCAFFOLDING

CLIENT

Fulkers Bailey Russell

PROJECT

ACCESS SCAFFOLD AND TEMPORARY ROOF FOR ROOFING WORKS

SITE

THE SLADE SCHOOL OF ARTS, UCL, LONDON, WC1E 6BT

DRG. TITLE

ELEVATION A-A

STATUS

PRELIMINARY

CLIENT CODE FKR DRAWN RF

PROJECT NO. 3988 CHECKED MK

CONTRACT 02 ORIGINAL A1

DATE 2025-03-12 SHEET NO. 03 OF 05

DRG. NO. REV.

FKR-3988-02-DR-03 02

FIX 1300mm DEEP APOLLO X-BEAMS. (SINGLE BEAMS TO BOTH INSIDE AND OUTSIDE LINES) SEE BRIDGING LACING AND BRACING NOTE. (ALTERNATIVELY PIGGYBACKED 750mm DEEP APOLLO X-BEAMS CAN BE INSTALLED).

ELEVATION A-A

1:75