D 7

1300mm DEEP APOLLO X-BEAM LACING AND BRACING NOTE

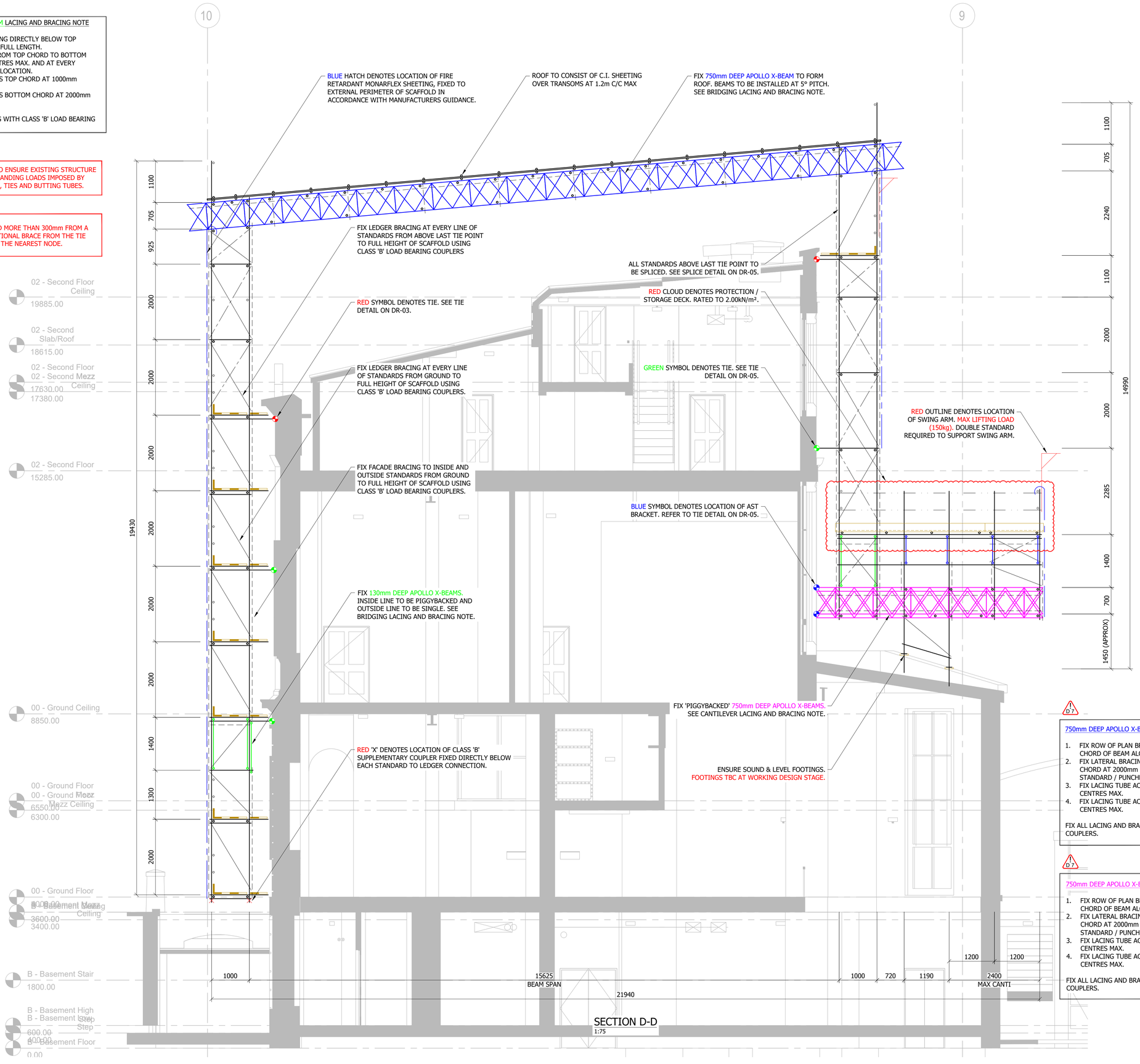
1. FIX ROW OF PLAN BRACING DIRECTLY BELOW TOP CHORD OF BEAM ALONG FULL LENGTH.
2. FIX LATERAL BRACING FROM TOP CHORD TO BOTTOM CHORD AT 2000mm CENTRES MAX. AND AT EVERY STANDARD / PUNCHEON LOCATION.
3. FIX LACING TUBE ACROSS TOP CHORD AT 1000mm CENTRES MAX.
4. FIX LACING TUBE ACROSS BOTTOM CHORD AT 2000mm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

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

C 3 C 4

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.



SECTION D-D
1:75

D 7

750mm DEEP APOLLO X-BEAM LACING AND BRACING NOTE

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

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

D 7

750mm DEEP APOLLO X-BEAM LACING AND BRACING NOTE

1. FIX ROW OF PLAN BRACING DIRECTLY ABOVE BOTTOM CHORD OF BEAM ALONG FULL LENGTH.
2. FIX LATERAL BRACING FROM TOP CHORD TO BOTTOM CHORD AT 2000mm CENTRES MAX. AND AT EVERY STANDARD / PUNCHEON LOCATION.
3. FIX LACING TUBE ACROSS TOP CHORD AT 2000mm CENTRES MAX.
4. FIX LACING TUBE ACROSS BOTTOM CHORD AT 1000mm CENTRES MAX.

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

GENERAL NOTES

1. THIS DRAWING IS CONFIDENTIAL AND IS THE EXCLUSIVE PROPERTY OF FKR. NO UNAUTHORISED USE, COPY OR DISCLOSURE IS TO BE MADE, AND IS TO BE RETURNED UPON REQUEST.
2. CONSTRUCTION TO COMPLY FULLY WITH BS EN 12811-1 USING NASC TECHNICAL GUIDANCE TG20:13.
3. SCAFFOLD ERECTION AND DISMANTLING TO CONFORM WITH SG 4 : 22
4. SCAFFOLD BUILT FROM TUBULAR MATERIALS CONFORMING TO BS 1139 OR TYPE 4 TUBE TO BS EN 39. ALL TUBE TO BE IN 'AS NEW' CONDITION.
5. FITTINGS TO COMPLY WITH BS 1139 OR BS EN 74 CLASS A OR CLASS B.
6. SCAFFOLD BOARDS TO COMPLY WITH BS2482 : 2009 (38MM X 225MM).
7. 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.
8. ALL STANDARDS TO BE BASED ON MILD STEEL BASE PLATES AND 38MM SOLE BOARDS UNLESS STATED OTHERWISE.
9. NO SHEETING, SIGNBOARDS OR HOARDINGS, UNLESS ALREADY SHOWN, SHOULD BE ADDED TO THE SCAFFOLD WITHOUT PRIOR WRITTEN CONSENT.
10. 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.
11. NO TIES OR BRACES ARE TO BE REMOVED OR ANY MODIFICATION TO BE MADE TO THE SCAFFOLD WITHOUT PRIOR WRITTEN CONSENT.
12. 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.
13. ALL DIMENSIONS ARE AS STATED OR AS CALCULATED. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. DIMENSIONS IN MM UNLESS STATED OTHERWISE.
14. 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

A-1 — 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 5975:2008 + 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	1@100%
WIND LOAD (qs)	0.58 kN/m²
SNOW LOAD	0.36 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

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

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
SECTION D-D

STATUS
PRELIMINARY

CLIENT CODE	FKR	DRAWN	RF
PROJECT NO.	3988	CHECKED	MK
CONTRACT	02	ORIGINAL	A1
DATE	2025-03-12	SHEET NO.	06 OF 06

DRG. NO. FKR-3988-02-DR-06 REV. 02