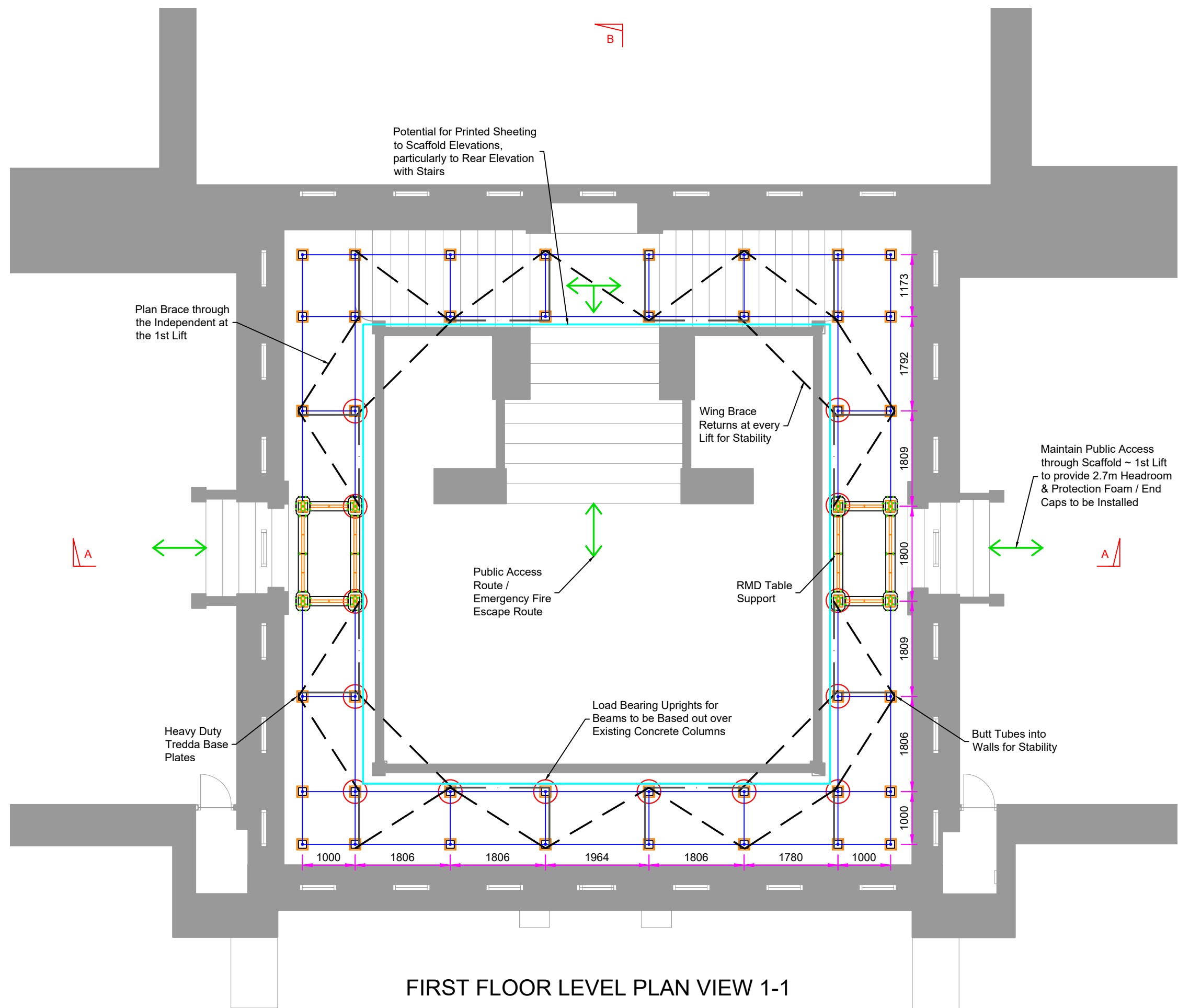
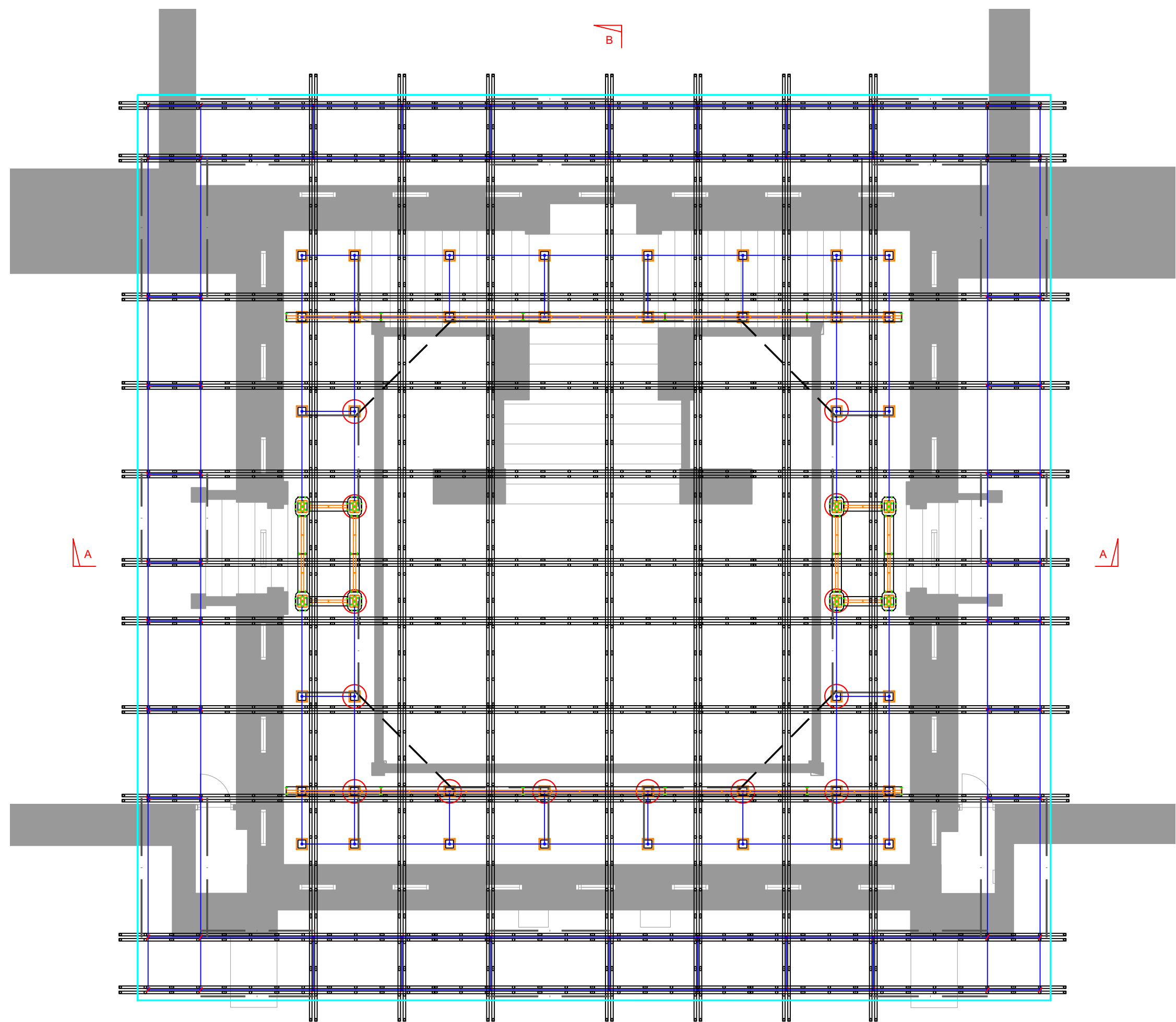
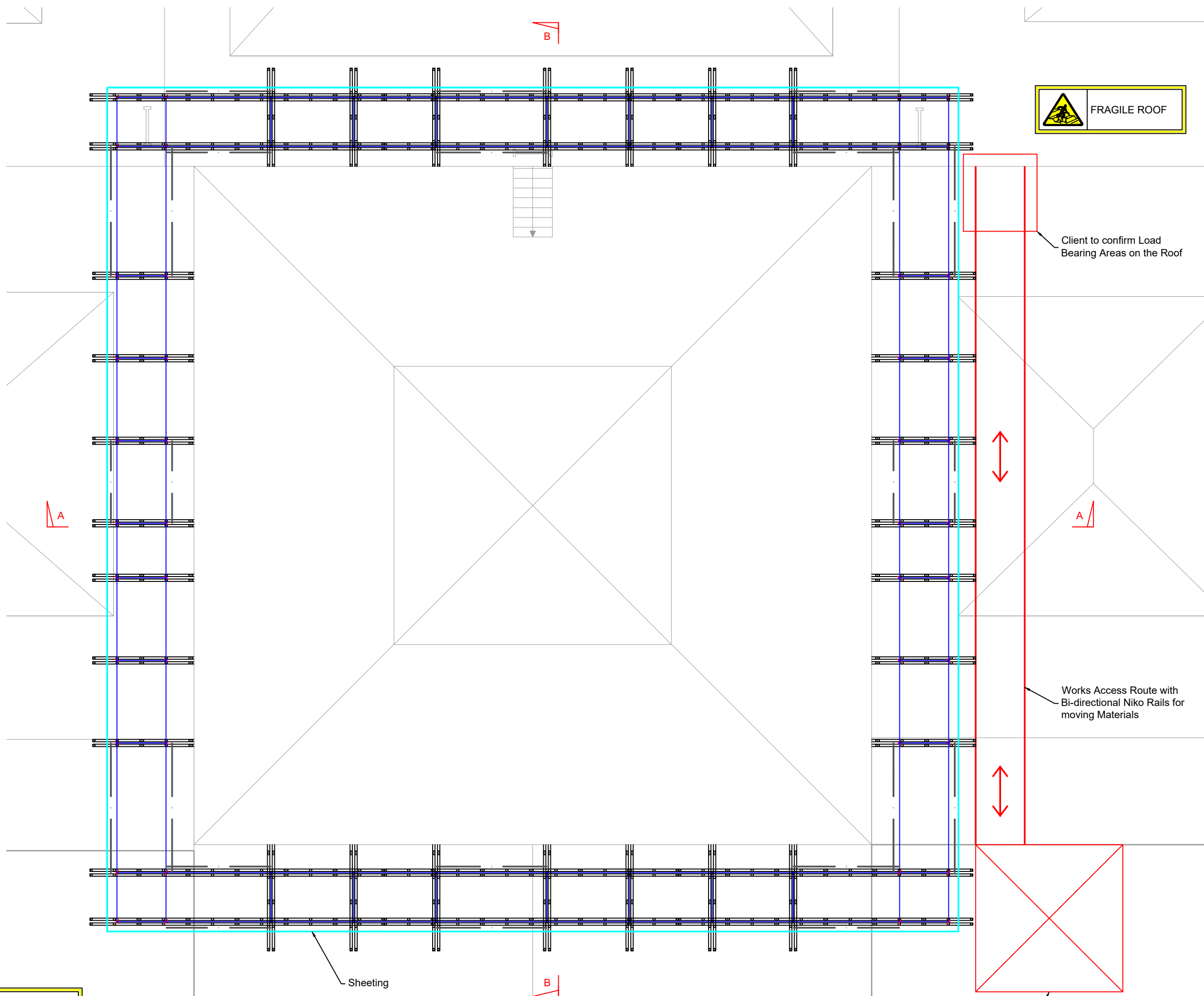




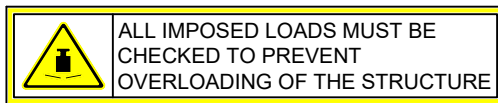
FIRST FLOOR LEVEL PLAN VIEW 1-1



BEAM LEVEL PLAN VIEW 2-2



ROOF LEVEL PLAN VIEW 3-3



LOAD BEARING FITTINGS

ALL STRUCTURAL SECURING AND CHECK FITTINGS SHOWN ARE TO BE A MINIMUM OF 'CLASS B' FITTINGS

BEAM INFORMATION NOTE

ALL BEAMS TO BE 750mm DEEP APOLLO BEAMS WITH A MINIMUM OF TWO BOLTS CONNECTION OR HAVE THE SAME MOMENTS & SHEAR CAPACITIES

CANTILEVERED BEAM BRACING

ALL CANTILEVERED BEAMS ARE TO BE BRACED / RESTRAINED IN ACCORDANCE WITH THE FOLLOWING RECOMMENDATIONS;

1. TOP CHORD RESTRAINT / LACE TUBES 2000mm MAX CENTRES
2. BOTTOM CHORD RESTRAINT / LACE TUBES 1000mm MAX CENTRES
3. PLAN BRACING ON / ADJACENT **BOTTOM** CHORD (COMPRESSION CHORD) MAXIMUM OF 1000mm NODE CENTRES
4. KNEE BRACING AT NODES AT 2000mm CENTRES MAX

BRIDGED/HEADER BEAM BRACING

ALL BRIDGED BEAMS ARE TO BE BRACED / RESTRAINED IN ACCORDANCE WITH THE FOLLOWING RECOMMENDATIONS;

1. TOP CHORD RESTRAINT / LACE TUBES 1000mm MAX CENTRES
2. BOTTOM CHORD RESTRAINT / LACE TUBES 2000mm MAX CENTRES
3. PLAN BRACING ON / ADJACENT **TOP** CHORD (COMPRESSION CHORD) MAXIMUM OF 1000mm NODE CENTRES
4. KNEE BRACING AT NODES AT 2000mm CENTRES MAX

DRAWING REFERENCE

ALL DRAWINGS MUST BE READ IN CONJUNCTION:
5823-01-01-02-001 - PLAN VIEWS
5823-01-01-02-002 - SECTION AND DETAILS

CDM REGULATIONS 2015

THE CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2015, REGULATION 9 REQUIRES THAT RDG MAKE CUSTOMERS AWARE OF THEIR DUTIES IMPOSED BY THE REGULATIONS. GUIDANCE ON THEIR DUTIES ARE PUBLISHED BY THE HSE IN THE FORM OF AN APPROVED CODE OF PRACTICE

RESIDUAL RISKS

THE FOLLOWING RESIDUAL RISKS HAVE BEEN IDENTIFIED IN THE DESIGN PROCESS AND ARE SPECIFIED ON THIS DRAWING BY THE SUBSEQUENTIAL HAZARD NUMBERS

ENTER TEXT HERE

ENTER TEXT HERE

ENTER TEXT HERE

ENTER TEXT HERE

FOR FURTHER INFORMATION PLEASE REFER TO SECTION 3 OF ACCOMPANYING CALCULATION DOCUMENT 5823-01-01-01-001.

NOTES:
This drawing is confidential and is the exclusive property of RDG Engineering (TW) Ltd. No unauthorised use, copy or disclosure is to be made and is to be returned upon request.

The customer should check that we have correctly interpreted his / her requirements and that all loadings, dimensions, details, erection and striking sequences, etc. are correct and practicable.

The customer is to ensure that the ground, structure and / or base provided for our scaffold is adequate to support the loads applied without settlement, including the provision for any necessary spreaders.

Drawing Notes:
READ ALL NOTES ON DRAWING.

ALL bracing / restraints are to be installed as per drawing.

All design and erection of scaffolds are to conform with the following British Standards and Codes Of Practices where applicable:

- BS EN 39:2001 Loose steel tubes for tube and coupler scaffolds - Technical delivery conditions
- BS 2482:2009 Specification for timber scaffold boards
- BS 5975:2019 Code of practice for temporary works procedures and the permissible stress design of falsework
- BS EN 12811-1:2003 Temporary works equipment - Part 1: Scaffolds - Performance requirements and general design
- BS EN 12812:2008 Falsework - Performance Requirements and General Design
- BS EN 1991-1-1:2002 Eurocode 1: Actions on Structure - Part 1-1: General Actions - Densities, Self-weight, Imposed Loads for Buildings
- BS EN 1991-1-3:2003 Eurocode 1: Actions on Structure - Part 1-3: General Actions - Snow Actions
- BS EN 1991-1-4:2005 Eurocode 1: Actions on Structure - Part 1-4: General Actions - Wind Actions
- BS EN 1993-1-1:2005 Eurocode 3: Design of steel structures - Part 1-1: General rules and rules for buildings
- TG20:21 Design Guide - Technical Guidance on the use of BS EN 12811-1
- TG04:19 Anchorage Systems
- SG04:22 Preventing Falls in Scaffolding
- SG25:20 Access and Egress from Scaffolds
- CG06:20 Scaffold Design

LOAD BEARING COUPLERS MUST BE USED ON ALL TIE RELATED COMPONENTS UNLESS OTHERWISE SHOWN / STATED

Unless stated otherwise genuine products / components are to be used to ensure that structural performance can be guaranteed.

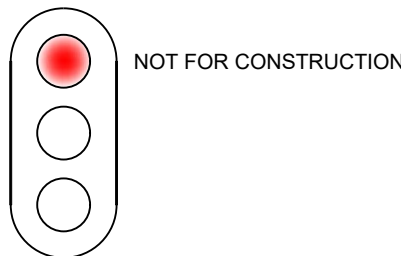
No alteration in or which may effect the loading is to be made without reference to RDG Engineering Design Office.

Dimensions:
All dimensions are in mm and centre to centre unless otherwise stated.
Written dimensions will take precedence over scaled dimensions.

PRELIMINARY DRAWING

THIS DRAWING HAS BEEN PRODUCED AS A **CONCEPT ONLY** AND THEREFORE AS STRUCTURAL CALCULATIONS PROGRESS, THE FOLLOWING MAY CHANGE ON THE APPROVAL PACKAGE:

1. BEAM TYPE AND/ OR DEPTH
2. BEAM SPACING
3. CONNECTION DETAILS
4. TIE TYPE AND/ OR SPACING



S1	17/04/23	Issued For Information	SLL	ENG	CKD	APP
ISSUE	DATE	DESCRIPTION OF ISSUE	DRN	ENG	CHECKED	APPROVED

CLIENT

ROBERTSON

RDG

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PROJECT

Manchester Art Gallery
Mosley Street, M2 3JL

DRAWING TITLE

**Internal Atrium Access,
Protection Deck & Cantilevered
External Access supporting
Temporary Roof (Plan Views)**

CLIENT'S DRAWING REFERENCE

9518 (01) - 004, 006 & 010

SCALE	RDG ENGINEERING DRG No.	ISSUE
1:75 A1	5823-01-01-02-001	S1

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