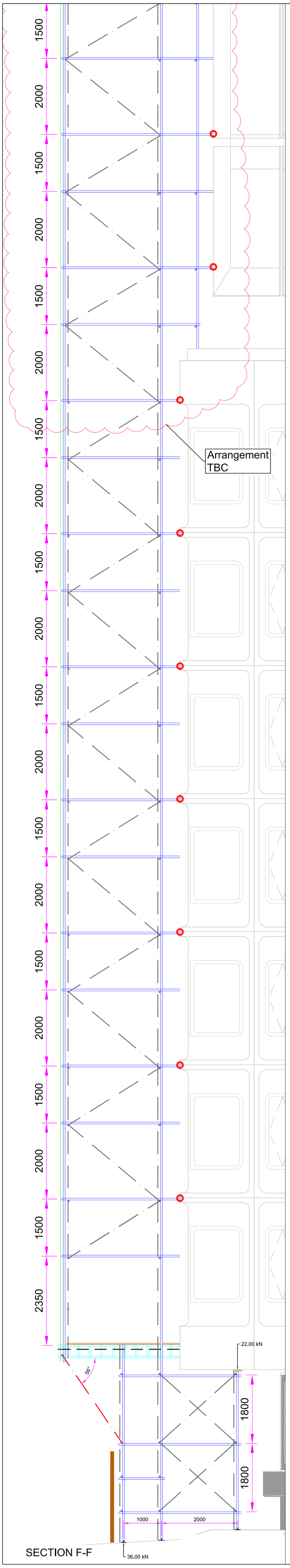

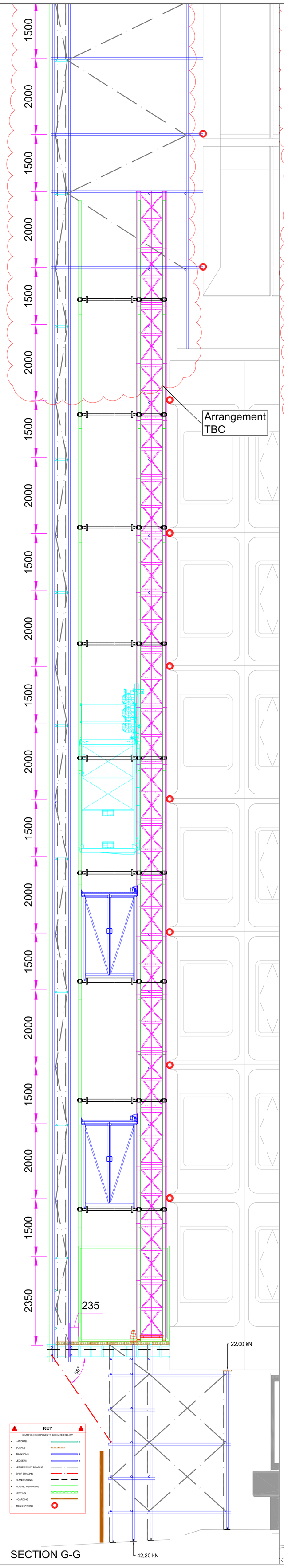

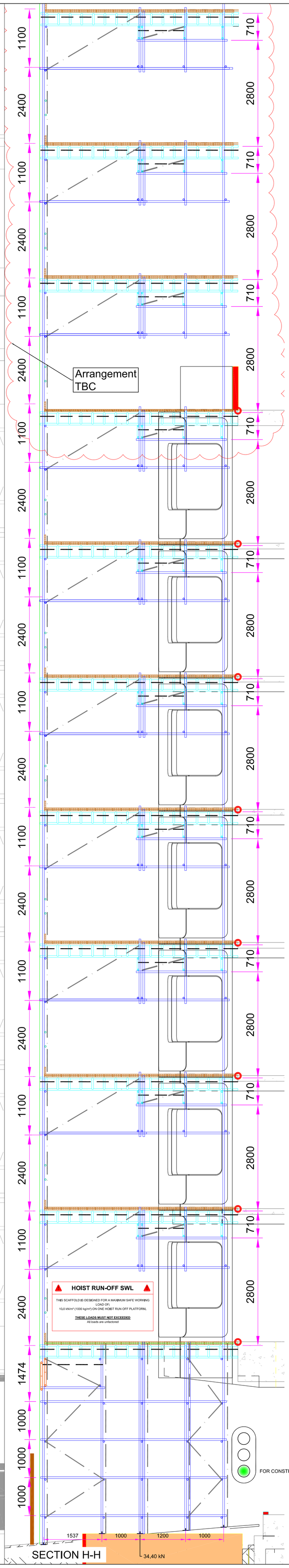

NOTES:
This drawing is confidential and is the exclusive property of RDG Engineering Ltd.
No unauthorised use, copy or disclosure is to be made and is to be returned upon request.
Hire Only - All plant supplied on the basis is subject to our conditions of hire or sale as applicable.

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 1139-1-2:1990 Metal Scaffolding - Part 1: Tubes - Section 1.2 Specification for aluminium tube
- BS 1139-2-2:2009 Metal Scaffolding - Part 2: Couplers - Section 2.2: Aluminium couplers and special couplers in steel - Requirements and test methods
- BS 2482:2009 Specification for timber scaffold boards
- 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
- TG20:13 Design Guide - Technical Guidance on the use of BS EN 12811-1
- TG04:11 Anchorage Systems
- SG04:15 Preventing Falls in Scaffolding
- SG25:10 Access and Egress from Scaffolds
- CG06:09 Scaffold Design

LOAD BEARING COUPLERS MUST BE USED ON ALL TIE RELATED COMPONENTS UNLESS OTHER WISE 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.

CDM REGULATIONS 2015

THE CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2015, REGULATIONS 11 & 13 REQUIRE THAT WE MAKE CUSTOMERS AWARE OF THEIR DUTIES IMPOSED BY THE REGULATIONS. GUIDANCE ON YOUR DUTIES ARE PUBLISHED BY THE HSE IN THE FORM OF AN APPROVED CODE OF PRACTICE

DESIGN NOTES

1. LOAD BEARING COUPLERS MUST BE USED ON ALL TIE RELATED COMPONENTS UNLESS OTHER WISE SHOWN / STATED
2. ALL TIE FORCES AND LOCATION CALCULATED IN ACCORDANCE WITH BS6399-2
3. ALL ERECTION DETAILS & PRACTICES OF:
   - 3.1. TG20:13
   - 3.2. TG4:11
   - 3.3. SG4:10

   ARE TO BE CARRIED OUT AT ALL TIMES. PLEASE NOTE THE GUIDANCE NOTES SHOWN ARE NOT EXHAUSTIVE

MAXIMUM SWL

THIS SCAFFOLD IS DESIGNED FOR A MAXIMUM SAFE WORKING LOAD OF:
10.0 kN/m² (1000 kg/m²) ON ONE GANTRY PLATFORM,
2.50 kN/m² (250 kg/m²) ON ONE WORKING PLATFORM,
1.25 kN/m² (125 kg/m²) ON A SECOND WORKING PLATFORM
& 0.75 kN/m² (75 kg/m²) ON INSIDE WORKING PLATFORM
THESE LOADS MUST NOT EXCEEDED
All loads are unfactored

MASONRY & CONCRETE WALL SUPPORT

THE CLIENT IS TO ENSURE THAT THE MASONRY & CONCRETE WALLS ARE ADEQUATE TO SUSTAIN THE POTENTIAL MAXIMUM IMPOSED SCAFFOLDING LOADS

ANCHORS

- ALL ANCHORS MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- SIMILAR ANCHORS MAY BE APPLIED, PROVIDING THE INSTALLATION & ADEQUACY IS IN ACCORDANCE WITH THE SUGGESTED ANCHORS MINIMUM SPECIFICATION.

TG4:11 APPLICATION (TIE TESTING)

1. SCAFFOLD TO BE THROUGH TIED BETWEEN WALL PANELS.
2. USE 90x90x10EA
3. MIN 620mm LONG WITH A BACK PLATE ACTING AS THE TIE
4. **MAX IMPOSED TIE LOAD** (UN-FACTORED) = 11.00 kN
5. **PRELIMINARY TEST** TO 2 X 11.00 kN = 22.00 kN
6. **PROOF TEST** TO 1.25 x 11.00 kN = 13.75 kN
7. IF THE **TEST LOAD** DOESN'T ACHIEVE THE ABOVE FIGURES, THEN THE TYING ARRANGEMENT IS TO BE RE-EVALUATED BY A TEMPORARY WORKS ENGINEER.

EDGE PROTECTION

ENSURE DOUBLE HANDRAILS, BRICKGUARDS & TOES BOARDS ARE FIXED TO ALL WORKING PLATFORMS WITH A SINGLE HANDRAIL ON ALL INTERMEDIATE PLATFORMS IN ACCORDANCE WITH CURRENT SG4.

SHEETING

SCAFFOLD IS DESIGNED TO BE FULLY SHEETED IN MONOFLEX OR SIMILAR AS SHOWN

BEAM BRACING

ALL 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/BOTTOM** CHORD (COMPRESSION CHORD) MAXIMUM OF 1000mm NODE CENTRES.
4. KNEE BRACING AT NODES AT 2000mm CENTRES MAX.

FOUNDATIONS

THE CLIENT / PRINCIPAL CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE PROPOSED GROUND BEARING IS SUITABLE TO SUSTAIN ANY IMPOSED LOADING FROM THE TEMPORARY STRUCTURE.

REV	DATE	DESCRIPTION OF ISSUE	DRN	SL	ENG	RDG	CLIENT
				CHECKED		APPROVED	
00	21/06/16	Issued For Construction	BK	RDG	BK		
P4	17/05/16	Issued For Approval	BK	RDG	BK		
P3	26/04/16	Issued For Approval	BK	RDG	BK		
P2	22/04/16	Issued For Approval	BK	RDG	BK		
P1	20/04/16	Issued For Info	BK	RDG	BK		

CLIENT

WELLMAX SCAFFOLDING

rdgengineering
consulting engineers
1st Floor, Derbyshire House, St Chad's Street, London.
WC1H 8AG. tel: 020 7036 1650
e-mail: info@rdgengineering.co.uk

PROJECT
CAMDEN TOWN HALL
KINGS CROSS
LONDON

DRAWING TITLE
EUSTON ROAD
NORTH ELEVATION
SCAFFOLD SECTIONS

CLIENT'S DRAWING REFERNCE

SCALE	RDG ENGINEERING DRG No.	REV
1:50 @ A1	5194-05-02-007B	00

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