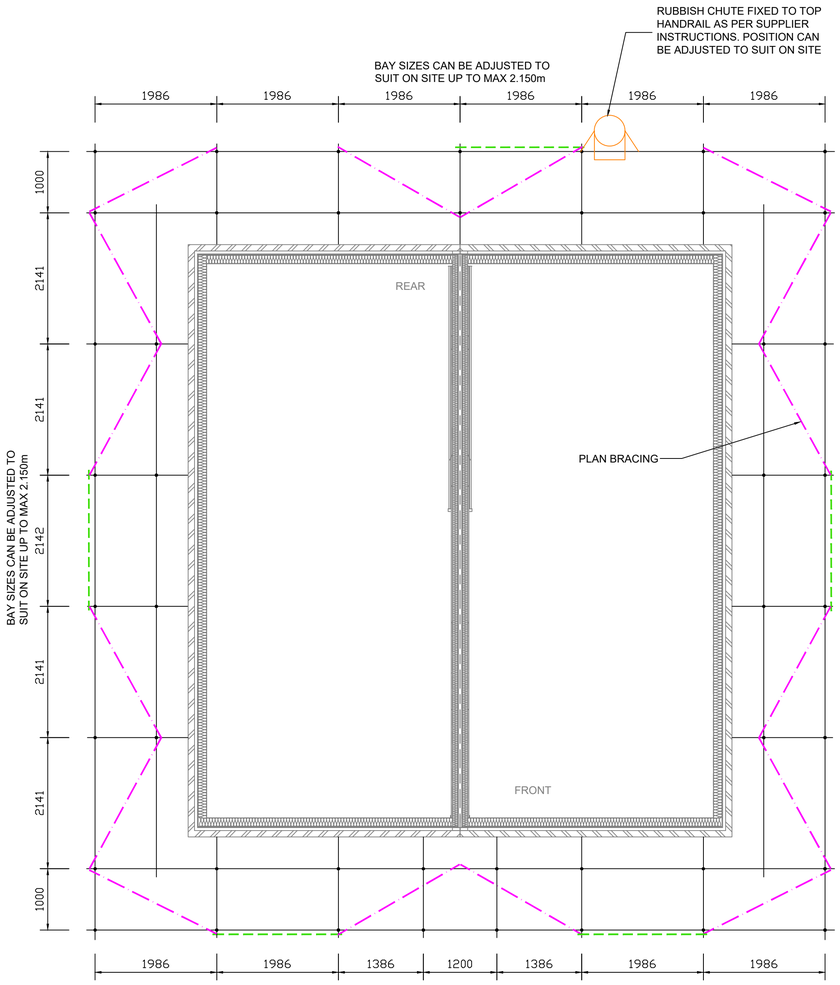
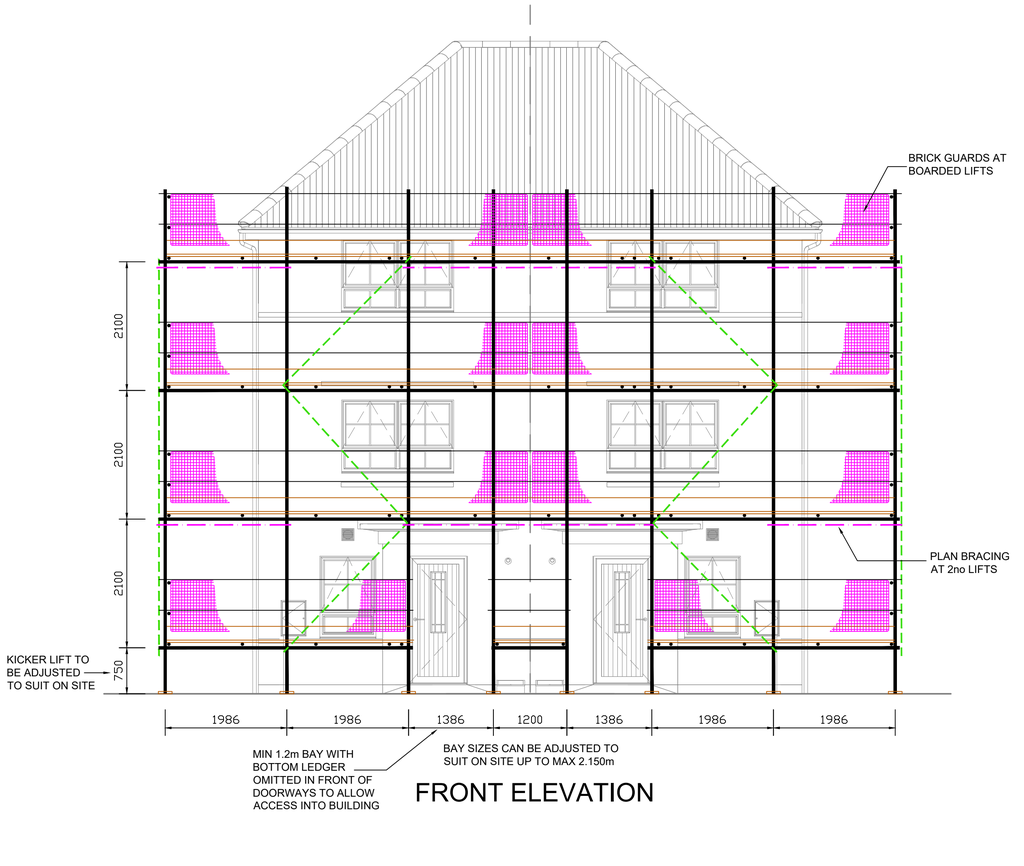
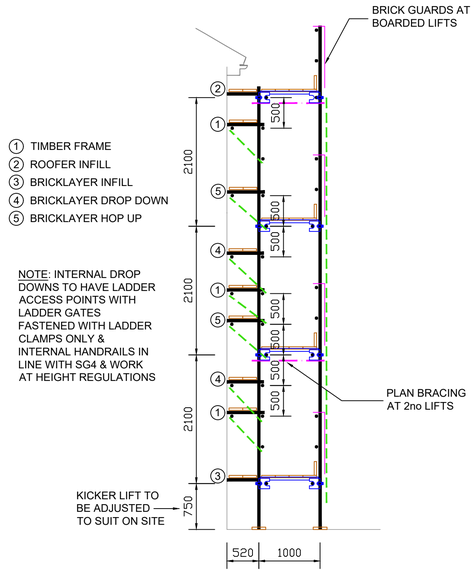


PLAN



FRONT ELEVATION



TYPICAL SECTION

Prefabricated transom units to be used throughout.

THE MAIN CONTRACTOR IS RESPONSIBLE FOR THE CAPACITY OF THE GROUND OR BEARING SURFACE TO SUPPORT LOADS IMPOSED BY THE SCAFFOLD

SOLE BOARDS MUST BE PROVIDED IF THE SCAFFOLD IS FOUNDED ON A SURFACE THAT MAY BE DEFORMED BY THE IMPOSED LOADS

MAX LEG LOAD = 8.56kN

TYPE 4 TUBE MUST BE MANUFACTURED IN ACCORDANCE WITH BS EN 39

SCAFFOLD TO BE ERECTED IN ACCORDANCE WITH TG20:21

USE LOAD BEARING CLASS B COUPLERS ONLY (EXCEPT FOR BOARD BEARERS)

FOR 38mm BOARDS MAXIMUM SPAN BETWEEN BOARD BEARING TRANSOMS IS 1.2m WITH MAXIMUM OVERHANG OF 150mm AND MINIMUM OVERHANG 50mm

SCAFFOLDING MUST NOT BE CLAD, SHEETED OR NETTED WITHOUT PRIOR STRUCTURAL CHECKS BY ACCESS DESIGN & SAFETY Ltd.

MAX 4 no. BOARDED LIFTS

MAIN PLATFORM LOAD:
1 no. WORKING LIFT @ 2.0 kN/m² +
1 no. WORKING LIFT @ 1.0 kN/m²

LOAD ON INSIDE BOARDS:
2 no. WORKING LIFTS @ 0.75 kN/m²

a) This drawing and the associated calculations are confidential and remain the property of Access Design and Safety Ltd. No unauthorised use, copy or disclosure is to be made without the express permission of Access Design and Safety Ltd. Charges to the client could apply if unauthorised use, copies and disclosure is made of this drawing and associated calculations.

b) This drawing has been prepared based on the information supplied to us by the persons/contractor requesting the design. It is their responsibility to check that their requirements have been correctly interpreted as detailed in the drawing and associated calculations.

c) This drawing and its associated calculations have been prepared and conform to the following:-
BS EN 12811-1
TG20:21 NASC Guide to Good Practice For Scaffolding With Tube and Fittings
BS 5975: False Work
BSEN:1991-1-4:2005 + A1:2010 : Wind loads.
BSEN:1991-1-1-3:2003: Snow loads.
The Working at Height Regulations 2005.
Construction Design and Management Regulations 2015.

d) The contractor is to ensure that this structure is erected, adapted and dismantled by competent, trained and qualified persons in accordance with this drawing and that a safe system of work is in use at all times, including, but not limited to the NASC guidance note SG4:22. We have included in our design and calculations for the materials to form collective fall protection ('Scaffolders Safe Zone') and that these will be left in place for the duration of the life of the scaffolding operations.

e) All working platforms must comply fully with the Working At Height Regulations 2005 (WAHR). Unless specified by the contractor we have assumed a maximum gap between building and scaffold of 225mm (as per NASC guidance). For gaps larger than this it is the contractors responsibility to fulfil their duties under WAHR (i.e. double guardrails with toeboard).

f) Where ties are required to be fitted to the building they should be installed by competent, trained and qualified persons in accordance to the manufacturer's instructions and the current NASC guidance TG4:19. The scaffolding contractor must carry out preliminary anchor tests as defined by TG4:19 and TG20:21 to ascertain that the structure is capable of holding the imposed loads of the anchors used for scaffold ties or to confirm which is the most suitable anchor to be used for a scaffold tie. Tie loads are detailed either in our calculations or noted on the drawing. Access Design & Safety Ltd will not accept any responsibility for the building/structure that the scaffold is fixed to.

g) We recommend that where drilled anchors are used preliminary and proof testing is carried out in accordance with TG4 (please visit www.the-cfa.co.uk for a list of approved testers) or contact Access Design & Safety Ltd.
TIES MUST NOT BE REMOVED WITHOUT EXPRESS WRITTEN PERMISSION OF ACCESS DESIGN & SAFETY LTD.

h) Where Access Design & Safety Ltd have provided designs for shoring works, we cannot pass comment on the structure being shored as this involves matters beyond our knowledge. It is the responsibility of the contractor to ensure that the existing structure will safely span between our designed supports and can be safely supported in this way.

i) No alteration to the designed structure or deviation from this drawing can be made without express written permission of Access Design & Safety Ltd.

j) Written dimensions will take precedence of scaled dimensions. The contractor should verify all site dimensions and notify Access Design & safety Ltd of any discrepancies. The contractor is responsible for accurately setting out the position of the designed structure detailed in this drawing.

k) MATERIALS:
Scaffold Tube: to be type 4 steel galvanised tube in accordance to BS EN 39 with a minimum yield stress of 235 N/mm², an outside dimension of 48.3mm and a wall thickness of 4.0mm, or hot rolled high-tensile steel tubes to BS EN 10219-1 grade S 355 with an outside dimension of 48.3mm and a wall thickness of 3.2mm. All tube should be 'as new' condition and free from corrosion, build-up of debris (concrete etc) and grease/oils etc.
Scaffold Couplers: All couplers must have the minimum characteristic strengths as identified by BS EN 12811-1 Annex C. We have assumed the use of class A couplers unless specified otherwise by the contractor.
Scaffold Boards: Scaffold boards are to be in accordance with the latest requirements of BS 2482 Part 1. Board supports are to be as the dimensions detailed in TG20:21 relevant to the load class of the scaffold to a maximum dimension of 1200mm. Where machine stress graded boards to BS 2482-1 38-1.5m are specified then the maximum board support will be 1500mm.

The scaffolding supervisor must ensure that a safe system of working is adopted at all times.

SCAFFOLDING ASSOCIATION Associate Member
NASC DESIGN MEMBER
National Access & Scaffolding Confederation

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Access Design & Safety Ltd

Customer:
BARRATT REDROW HOMES

Project:
GENERIC

Title:
Generic 3 Storey
Access with plan bracing
Plan + Front Elevation + Typical Section.

Revisions:

	Description	By	Date
A	Minor revisions	JPR	17,1,25
B	Additional No 4 Hop up + bay sizes adjusted for doorways	JPR	17,1,25

Drawing Status:
Provisional Issue (Not For Construction)

Date:	Drawn By:	Checked By:	
16,1,25	JPR		
Drawing Scale:	**Drawing no.**		**Revision:**
1-50 @ A1	24218-08-01		B