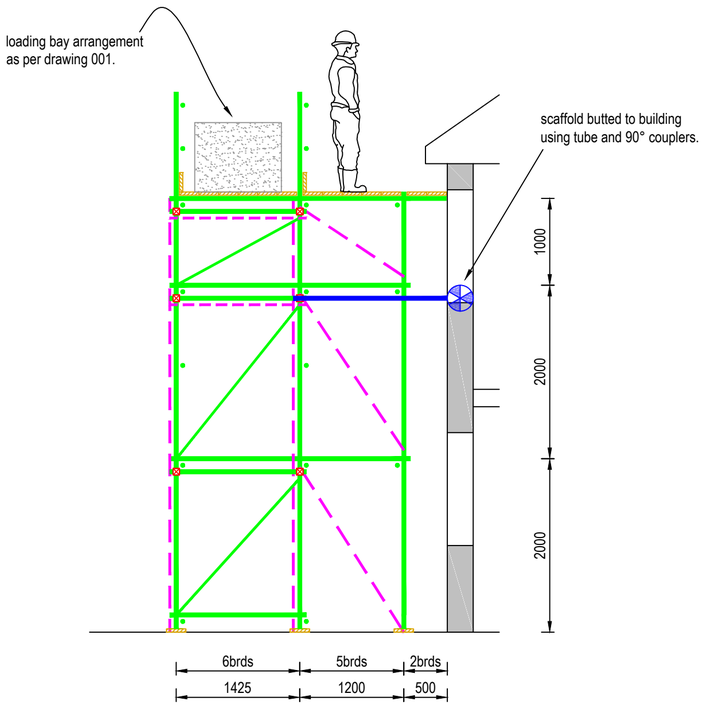
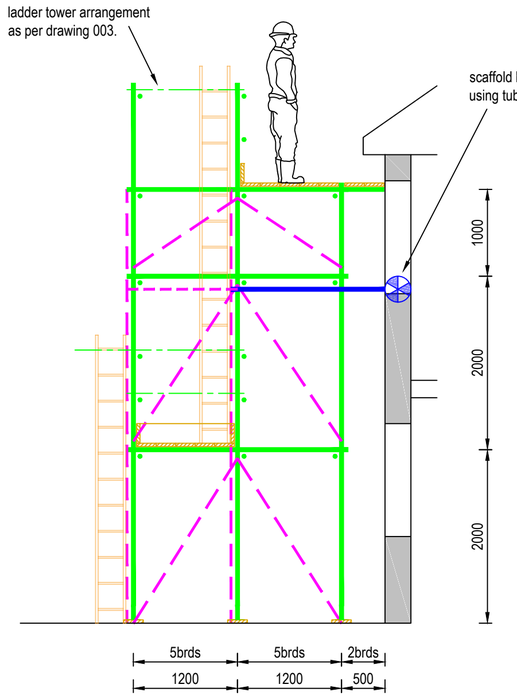
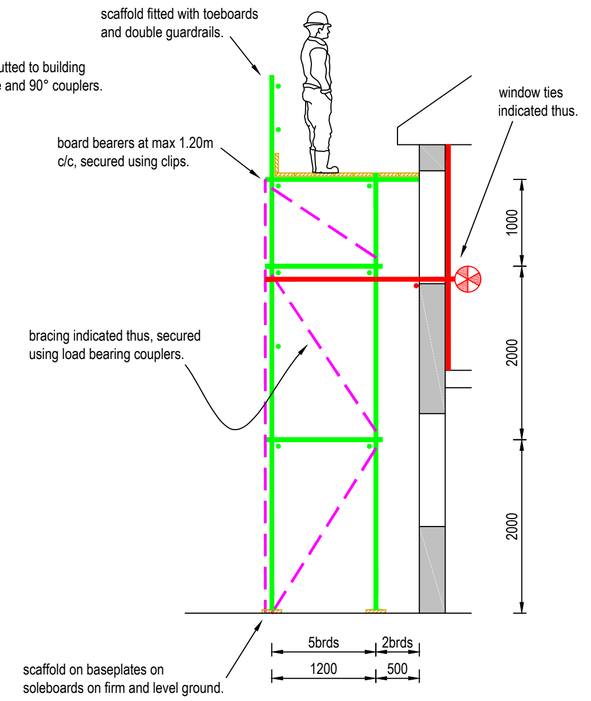


TYPICAL SECTION (LOADING BAY)

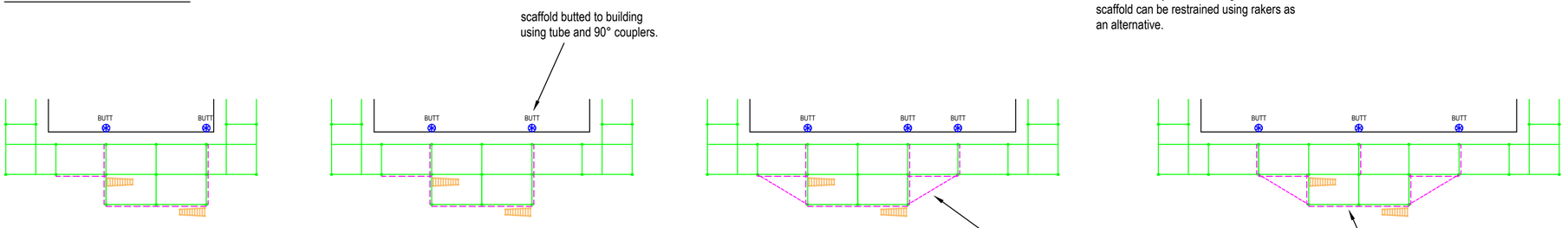


TYPICAL SECTION (LADDER TOWER)

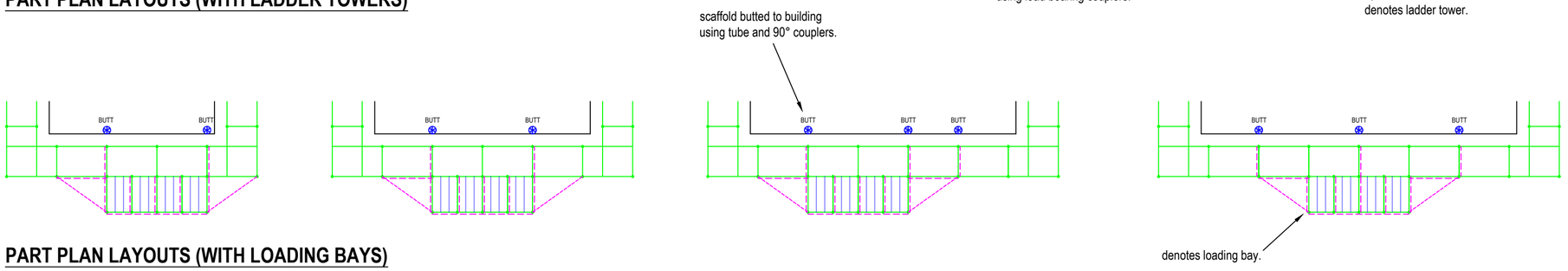


TYPICAL SECTION (ACCESS)

PART PLAN LAYOUTS



PART PLAN LAYOUTS (WITH LADDER TOWERS)



PART PLAN LAYOUTS (WITH LOADING BAYS)

GENERAL NOTES

Property
This drawing is confidential and is the property of Optima Scaffold Designs LLP. No unauthorised use, copy or disclosure is to be made without written permission.

CDM Regulations 2007
The Construction (Design & Management) Regulations 2007, regulation 11 & 18, require that we make the client aware of their duties imposed by the regulations.
Guidance on your duties are detailed within The Construction (Design & Management) Regulations 2007.

Basis of Design
This drawing has been prepared from information supplied to us by, or on behalf of the contractor, who should check that his requirements have been correctly interpreted and that all loading, dimensions, lift heights, bay sizes, erection/striking sequences etc. are as required and practicable.
This drawing has been prepared in accordance with the following:
NASC TG20:13 BS EN 12811-1
BS 5975:2008+A1:2011 Code of practice for temporary works procedures and the permissible stress design of falsework.
BS EN 1991-1-3 : 2003 Snow Loads
BS EN 1991-1-4 : 2005 Wind Actions
All scaffolding materials forming this structure are to comply with NASC TG20:13 & BS EN 12811-1.
Scaffold tube taken as BS EN 39 type 4 "as new" condition.
All scaffold fittings taken as load-bearing class A fittings unless stated otherwise.
All proprietary equipment must be used in accordance with the manufacturers information.
Scaffolding structure to be erected by competent operatives in accordance with SG4:10 and Work at Height Regulations.
Scheme to be read in conjunction with the scaffold contractors quotation, risk assessment and method statement for which the scaffold contractor is totally responsible.

Design Loads
This scaffold has been designed for the following platform loads:
1 No. Lifts @ 2.00 kN/m²
~~No. Lifts @ kN/m²~~
All inside boards rated at 0.75kN/m²
Total No. of boarded lifts = 1No.

Wind Loads
This scaffold has been designed for the following wind load:
Qp = 0.600 kN/m²
Scaffold to be inspected by competent personnel after all adverse weather conditions prior to works proceeding.

Working Platforms
All working platforms must comply with the statutory regulations at all times.
Scaffold boards are to be restrained against movement as per TG12:10.

Foundations/Supports
The contractor is responsible for all foundation design, including any timber soleboards required.
Maximum leg load = 5 kN.
Where equipment is supported or suspended from an existing structure the contractor must ensure that the existing structure is adequate to safely support the scaffold loads.

Tying
The contractor is responsible for ensuring the existing structure is capable of safely withstanding the scaffold tie loads.
Tie selection should be made by the contractor using guidance from TG4.
TG4 Selection Summary;

Base Material:-	Anchor Types:-
Concrete	Drop-in expansion anchor, Self-tapping screws, Nylon anchors with screw-in eyes, Resin anchors.
Brickwork & Stonework	Self-tapping screws, Self-tapping screws with resin, Nylon anchors with screw-in eyes, Resin anchors.
Concrete Blockwork	Self-tapping screws, Nylon anchors, Resin anchors.
Timber	Screw-in eyes, Self-tapping screws.
Steelwork	Self-drilling & tapping screws, Bolts for hollow sections.

Anchors should be fixed and tested in accordance with TG4.
All ties tubes to be fixed with load-bearing couplers.
The contractor is to ensure that no ties are removed without the approval of Optima Scaffold Designs LLP.
Maximum anchor load = 3.50 kN Pull-Out, 0.10 kN Shear.

Shoring Work
Optima Scaffold Designs LLP. cannot and will not pass comment on the building being shored as this involves matters beyond our knowledge. It is the contractors responsibility to ensure that the existing structure will safely span between our supports, and can be safely shored in the way indicated.

Temporary Roofs
No temporary roof can be made watertight.
When kentledge or anchorage is specified on the drawing, it must be installed prior to erection of the scaffold above the 1st lift.
For mono-pitch temporary roofs, the minimum slope angle of the roof sheeting is 5° when using CI sheets. For all roof systems the manufacturers recommendations should be followed.

Sheeting/Fans
No wind protection, sheeting or fans etc. to are to be added to the scaffolding structure unless otherwise stated on this drawing.

Kentledge
Where a scaffold requires kentledge for stability, the kentledge should be placed in position prior to erection of the scaffold above the 1st lift.

Modifications
No alterations are to be made to the scaffold structure detailed on this drawing without written permission from Optima Scaffold Designs LLP.

Dimensions
Written dimensions shall take precedence over scaled dimensions.
The contractor should verify all site dimensions and notify Optima Scaffold Designs LLP. of any discrepancies.
The contractor is responsible for accurately setting the position of the scaffold structure.

FOR CONSTRUCTION

Revision	Date	Description	Prepared by	Checked by

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ISO A2 594mm x 420mm

Client: Barratt Developments PLC.

Job Title: Generic.

Drawing Title: Access Scaffolding.

Scale	Date	Drawing Number	Revision
1:150/50	24/03/2015	15/OPT/1638-002	-

Prepared by	Checked by
R.M.	R.S.L.