



Housetype:		Job No:-	RED 737								Revision: A					
<div>Betts_EG_CAMB_DM_Multisheet</div>		Date of Issue:-														
		Day	10	09	26	22										
		Month	05	09	10	02										
		Year	22	22	22	23										
Description	Size	No.	Revisions													
Foundation/RC Slab Layout	A3	01	-	-	-	-										
Beam and Block Layout	A3	02	-	-	-	-										
Movement Joint/ Bed joint reinforcement elevations A1	A3	03	-	-	-	A										
Distribution																
Redrow Homes Group Technical			-	-	-	A										
Purpose of Issue: I-Info P-Prelim B-Bill T-Tender C-Const A-Approval	C	C	C	C	C											
Method of Issue: CDE-Upload E>Email D-Disk P-Print X-Issue sheet only	E	E	E	E	E											
Issued By:	MC	KF	KF	KF	KF											
Comments:	For calculations refer to separate structural calculation document															

General Notes

- G1. This drawing is to be read in conjunction with all relevant Client, Architects & Specialists Drawings & Specifications.
- G2. All materials & workmanship shall be in accordance with NHBC Standards;

Concrete Mixes

- C1. Unless noted otherwise, mixes shall be designated mixes in accordance with BS8500 and NHBC Standards Section 2.1, as follows:

Location	Mix	Max Agg Size (mm)	Consistency Class
Ground floor slab	RC28/35	20	S2
concrete foundations	Gen 1	20	S3

The above mix details for concrete in contact with the ground are based upon design sulphate class DS-1, ACEC class AC-1. Refer to site specific Soil Investigation Report for site specific modifications to the above mixes.

- C2. All workmanship, including formwork, reinforcement, testing, casting and curing, shall be in accordance with NHBC Standards Section 2.1

- C3. Cover to reinforcement to be as follows;

Top of slab 25 mm  
Btm of slab 40 mm

- C4. Minimum laps in reinforcement to be as follows:

Mesh Ends - 400 mm  
Mesh Sides - 250 mm

Foundation Notes

- F1. Foundations widths have been based on an allowable design ground bearing capacity of 100kN/m². Refer to site specific soil investigation report for sie specific bearing capacity.

- F4. Foundation formation depths are to be stepped in accordance with NHBC Standards.

600 Denotes width of foundations refer to plan.

- F5. Where ground conditions are locally poor or unsuitable at the minimum specified depth, the formation level is to be extended down to an approved bearing strata in lean mix concrete.

- F6. Where the following conditions occur, and have not been identified within the Geo-environmental report or on other drawings, further advice should be sought:

- Presence of trees, on or around the site
- Presence of ponds and/or streams
- Knowledge of, or discovery of, tipped or waste materials
- Knowledge of, or discovery of, old mine or quarry's
- Ground slopes greater than anticipated.

- F7. Foundation excavations should take due account of external services.

- F8. Excavations for foundations are to be inspected by the Local Authority/ NHBC Inspector prior to casting.

Substructure Masonry Notes

- M1. For brickwork specification refer to Architect's Details.
- M2. The contractor is to provide all temporary bracing/ strutting to brick/ block walls to ensure their stability.

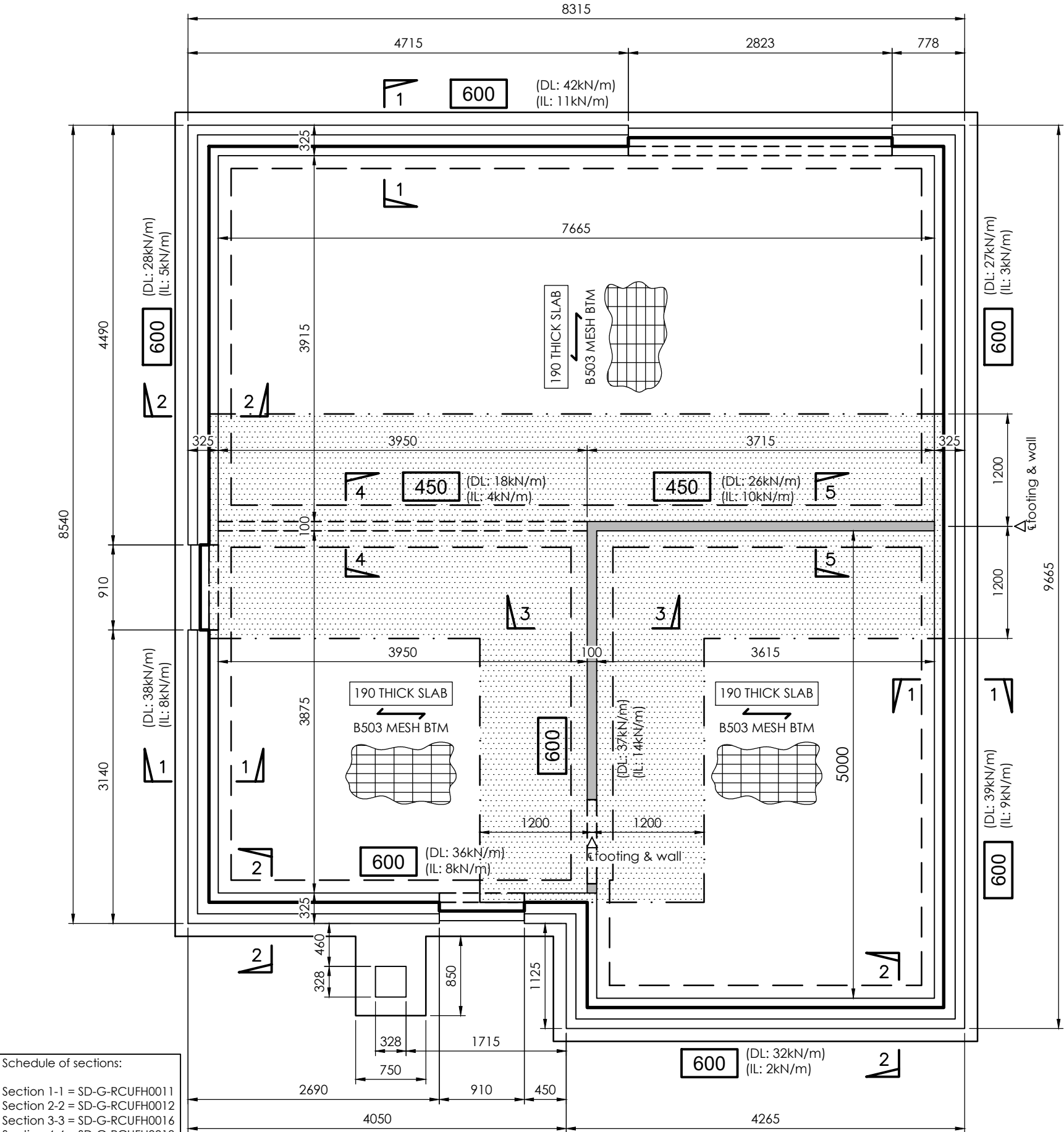
Ground Floor Slab Notes

- G1. The ground floor slab is designed as suspended and is to be cast on a sub-base of clean well graded, inert selected site fill material. This material should be nominally compacted to provide a suitable base for receiving freshly poured concrete and shall be blinded with fines and covered with 1200g DPM. For below floor insulation requirements refer to architects specification.

- G2. All ground floor slabs to be 190mm thick, U.N.O. and reinforced in accordance with details shown on the drawing. Slabs are to receive a power float finish in accordance with Redrow Homes specification and requirements.

- G4. The main bars, at 100mm centres, are to be placed parallel with the span directions shown thus: - and shall be located nearest to the outer faces of the slab.

(DL:-kN/m) (IL:-kN/m) Indicates Dead & Imposed service line loads in kN/m. These loads include all superstructure loadings and the ground floor slab. All loadings below the slab are to be added to the loads shown. The above statement is based on information contained in drawings for EG\_CAMB\_DM. If there are any subsequent revisions to these drawings, refer to Redrow Homes for further instruction



Schedule of sections:
Section 1-1 = SD-G-RCUFH0011
Section 2-2 = SD-G-RCUFH0012
Section 3-3 = SD-G-RCUFH0016
Section 4-4 = SD-G-RCUFH0018
Section 5-5 = SD-G-RCUFH0019

External footings generally to be:  
600mm Wide x 175mm Deep.

Internal footings generally to be:  
450mm Wide x 175mm Deep.  
600mm Wide x 250mm Deep.

Indicates internal loadbearing walls  
Indicates timber partitions  
Refer to Redrow details for setting out

Areas hatched thus indicate  
extent of A193 mesh top  
unless noted otherwise.

CDM Key

FOR DETAILS REFER TO CDM SHEET

ELEMENT	HAZARD
FOUNDATIONS	COLLAPSE FALLS HEALTH MANUAL HANDLING
GROUND FLOOR STRUCTURAL	MAN HANDLING-STEEL AND LINTEL

Mark	Date	Details	By
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Revision history

Drawing originator:



Client:



Project title:

Redrow Homes Group  
Standard Housetype catalogue

Drawing title:

Cambridge (EG\_CAMB\_DM)  
Foundation/RC Slab layout  
BETTS\_EG\_CAMB\_DM\_RCSLAB

Scale: 1:50 for the original size of A3

Drm by: KF | Chkd by: MC | Passed by: | Date: May 22

Drawing status:

CONSTRUCTION

Job No:	Drawing No:	Project	Origin	Volume	Level	Type	Discp.	Number	Revision:
RED 737	CAMB/BETTS	-	0	DR	S	01	-	-	-

Do not scale this drawing

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Beam & Block Floor

- PC1. PC floors shall be designed in accordance with BS 8110, with spans taken as simply supported and to carry the following service loadings plus self weight in kN/m²:-

Timber partitions\* = 0.75  
Finishes/ screed = 1.80 (Inc. Jetfloor topping self wgt)  
Superimposed = 1.50  
Superimposed garage = 2.50

\* Alternatively assume a line load of 2kN/m for non-loadbearing block partitions.

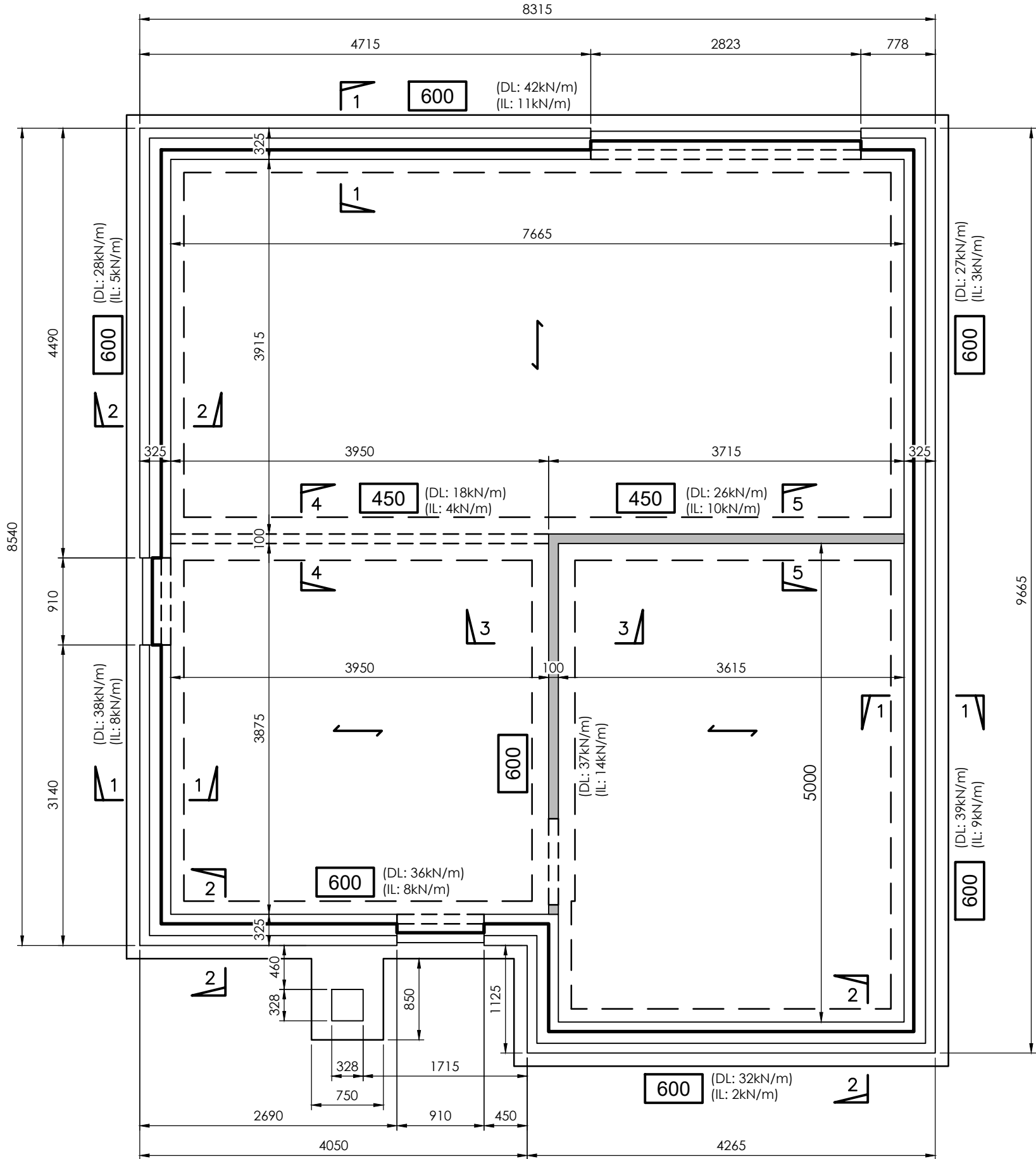
- PC2. Provide minimum 150mm clear void between lowest point of pre-cast ground floor and ground level - Refer to sections.

- PC3. Denotes span of Hanson Jetfloor or S/A with a certified fibrous screed.

- PC4. The camber in the units shall be within the limits specified in BS 8110; the anticipated maximum camber is to be specified.

- PC5. The maximum size and location of holes to be drilled on site is to be specified.

- PC6. Flooring layouts shall be submitted to the client for review prior to manufacture.



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The above statement is based on information contained in drawings for EG\_CAMB\_DM. If there are any subsequent revisions to these drawings, refer to Redrow Homes for further instruction

Schedule of sections:

Section 1-1 = SD-G-BB0001  
Section 2-2 = SD-G-BB0002  
Section 3-3 = SD-G-BB0006  
Section 4-4 = SD-G-BB0008  
Section 5-5 = SD-G-BB0009

External footings generally to be:  
600mm Wide x 175mm Deep.

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450mm Wide x 175mm Deep.  
600mm Wide x 250mm Deep.

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Indicates timber partitions  
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CDM Key

FOR DETAILS REFER TO CDM SHEET

ELEMENT	HAZARD
FOUNDATIONS	COLLAPSE
	FALLS
	HEALTH
	MANUAL HANDLING
GROUND FLOOR STRUCTURAL	MAN HANDLING-STEEL AND LINTEL

Mark	Date	Details	By
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Revision history

Drawing originator:



Client:



Project title:

Redrow Homes Group

Standard Housetype catalogue

Drawing title:

Cambridge (EG\_CAMB\_DM)

Foundation/Beam & Block layout

BETTS\_EG\_CAMB\_DM\_B&B

Scale:

1:50

for the original size of A3

Drn by:

KF

Chkd by:

MC

Passed by:

Date: May 22

Drawing status:

CONSTRUCTION

Job No:

RED 737

Drawing No:

Project Origin

Volume

Level

Type

Discp.

Number

02

Revision:

-

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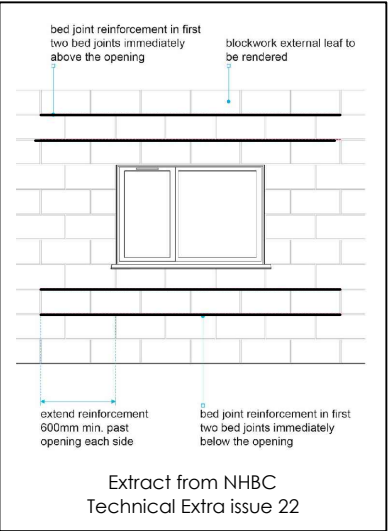
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Movement joints and bed joint reinforcement indicated apply only when house is built as shown. if house is built as a semi-detached or terrace refer to block drawings for details.

See Redrow Homes standard details for movement joint construction details.

All exposed sub-DPC masonry over 600mm in height will require movement joints at max 6m (or to follow on from MJs in the superstructure, whatever is less centers)

All blockwork which is to receive a render finish is to be 100mm, 3.6N/mm<sup>2</sup> with a density of at least 1350Kg/m<sup>3</sup>. Blocks specified for internal leaf of external walls must not be used on external leaf.



Front Elevation

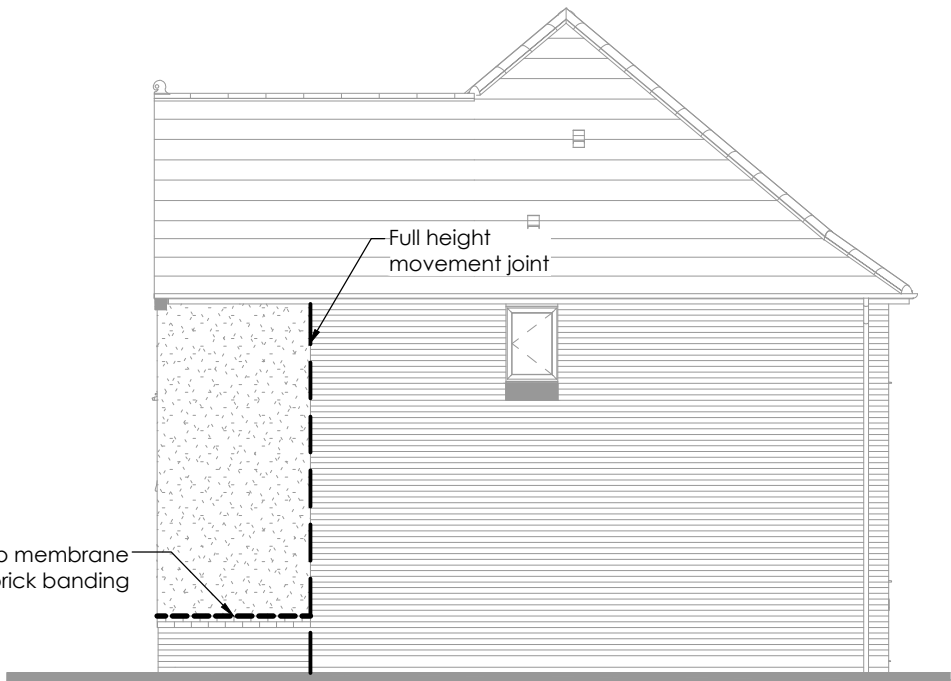


LHS Elevation

DPM slip membrane above brick banding



Rear Elevation



RHS Elevation

DPM slip membrane above brick banding

Full height movement joint

A	22/02/23	Elevations updated in line with DCC2 revision	KF
Mark	Date	Details	By

Revision history

Drawing originator:



Client:



Project title:

Redrow Homes Group  
Standard Housetype catalogue

Drawing title:

Cambridge (EG\_CAMB\_DM)

Movement Joint/Bed joint reinforcement Elevations

BETTS\_EG\_CAMB\_DM\_MJ & BJR Elevation A1

Scale: 1:100 for the original size of A3

Drn by: KF | Chkd by: MC | Passed by: | Date: May 22

Drawing status:

CONSTRUCTION

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RED 737	CAMB/BETTS	-	0	DR	S	03	A		

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