

Drawing Register

Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire, CH5 2LY enquiries@betts-associates.co.uk - 01244 288178

Housetype: Betts_EG_LEDH_DM_Multisheet		Job No:-	RED	RED 737 Date of Issue:-						Revision: C						
		Day Month	Date													
			24	22	17	14										
				02		03										
		Year	22	23	23	24										
Description	Size	No.														
Foundation/RC Slab Layout	A2	01	-	-	Α	В										
Beam and Block Layout	A2	02	-	-	A	В										
First Floor Layout (showing steels below)	A2	03	-	-	Α	В										
Windpost Details	Al	04	-	Α	Α	Α										
MJ & BJR Elevations B1	A3	05	-	Α	Α	Α										
MJ & BJR Elevations A1	A3	06	-	Α	Α	Α										
Distribution		<u> </u>														
Redrow Homes Group Technical										_					_	
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Purpose of Issue: I-Info P-Prelim B-Bill T-Tender C-Const A-Approval			С	С	С	С		+	+	+		+	+	+	+	
Method of Issue: CDE-Upload E-Email D-Disk P-Print X-Issue sheet only		E	E	E	E		+		-			-		+		
			KF	_	-	MC		\dashv		+		\dashv	+		+	
Issued By:			KF	ΚĖ	MC	MC										

General Notes G1. This drawing is to be read in conjunction with all relevant Client, Architects & Specialists Drawings & Specifications. 15403 G2. All materials & workmanship shall be in accordance with NHBC **Concrete Mixes** 3263 910 5728 C1. Unless noted otherwise, mixes shall be designated mixes in £footing & wall accordance with BS8500 and NHBC Standards Section 2.1, as 1200 1200 450 (DL:10kN/m) (IL:3kN/m) Max Consistency Agg Location Size (mm) Class £footing & wall £footing & wall RC28/35 S2 Ground floor slab 1200 1200 Gen 1 concrete foundations 750 (DL:48KN/III) DL:48kN/m) (DL:26kN/m) 750 The above mix details for concrete in contact with the ground are (IL:3kN/m) based upon design sulphate class DS-1, ACEC class AC-1. Refer to site specific Soil Investigation Report for site specific modifications to C2. All workmanship, including formwork, reinforcement, testing, casting and curing, shall be in accordance with NHBC Standards Section 2.1 GARAGE FFL TO BE C3. Cover to reinforcement to be as follows; 75mm LOWER THAN HOUSE FFL Top of slab 25 mm Btm of slab 40 mm C4. Minimum laps in reinforcement to be as follows: 100 2655 4248 2565 Mesh Ends -Mesh Sides -190 Thick Slab 150 Thick Slab 150 Thick Slab ∷190 Thidk Slab **Foundation Notes** F1. Foundations widths have been based on an allowable design B503 Mesh Btm B503 Mesh Btm B503 Mesh Btm 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. 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. 900 (DL:23kN/m) (IL:10kN/m 450 Where the following conditions occur, and have not been identified within the Geo-environmental report or on other 5 drawings, further advice should be sought: • Presence of trees, on or around the site Presence of ponds and/or streams 2223 2565 • Knowledge of, or discovery of, tipped or waste materials Knowledge of, or discovery of, old mine or quarry's Ground slopes greater than anticipated. 450 (DL:14kN/m) F7. Foundation excavations should take due account of external (IL:3kN/m) 553 4397 553 1698 F8. Excavations for foundations are to be inspected by the Local Authority/ NHBC Inspector prior to casting. (DL:7kN/m) 450 Substructure Masonry Notes (IL:2kN/m) M1. For brickwork specification refer to Architect's Details. 14/03/24 M2. The contractor is to provide all temporary bracing/strutting to brick/ block walls to ensure their stability Mark | Date Details 450 (DL:28/m) (IL:7kN/m) **Ground Floor Slab Notes** 750 G1. The ground floor slab is designed as suspended and is to be cast on (DL:41kN/n Drawing originator a sub-base of clean well graded, inert selected site fill material. (IL:9kN/m) This material should be nominally compacted to provide a suitable 1125 base for receiving freshly poured concrete and shall be blinded with fines and covered with 1200g DPM. For below floor insulation 190 Thick Slab requirements refer to architects specification. B503 Mesh Btm 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 4893 1001 3685 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_LEDH_DM. If there are any subsequent revisions to these drawings, refer to Redrow Homes for further instruction Project title: Section 1-1 = SD-G-RCUFH0011 600 Section 2-2 = SD-G-RCIJFH0012 1200 1200 Section 3-3 = SD-G-RCUFH0019 Section 4-4 = SD-G-RCUFH0015 Section 5-5 = SD-G-RCUFH0057 £tooting & wall 9328 Section 6-6 = SD-G-RCUFH0058 Section 7-7 = SD-G-RCUFH0059 Section 8-8 = SD-G-RCUFH0067 Section 9-9 = SD-G-RCUFH0125 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 RED737 LEDH BET ::::Areas hatched thus indicate:::

CDM Key For details refer to CDM sheet Element Hazard Foundations Collapse **A** Manual handling Man handling-Ground floor steel and lintel

Line loads updated following calc review Section reference updated for section 9-9 Ву

BETTS HYDRO BETTS ASSOCIATES

BETTS GEO



Redrow Homes Group Standard Housetype Catalogue

Ledsham (EG_LEDH_DM) Foundation/RC Slab layout BETTS_EG_LEDH_DM_RCSLAB

Scale: As Indicated for the original size of A2 Drawn by: WR Checked by: KF Passed by: Date: AUG 22 Construction Project Origin. Volume Level Type Discip. Number

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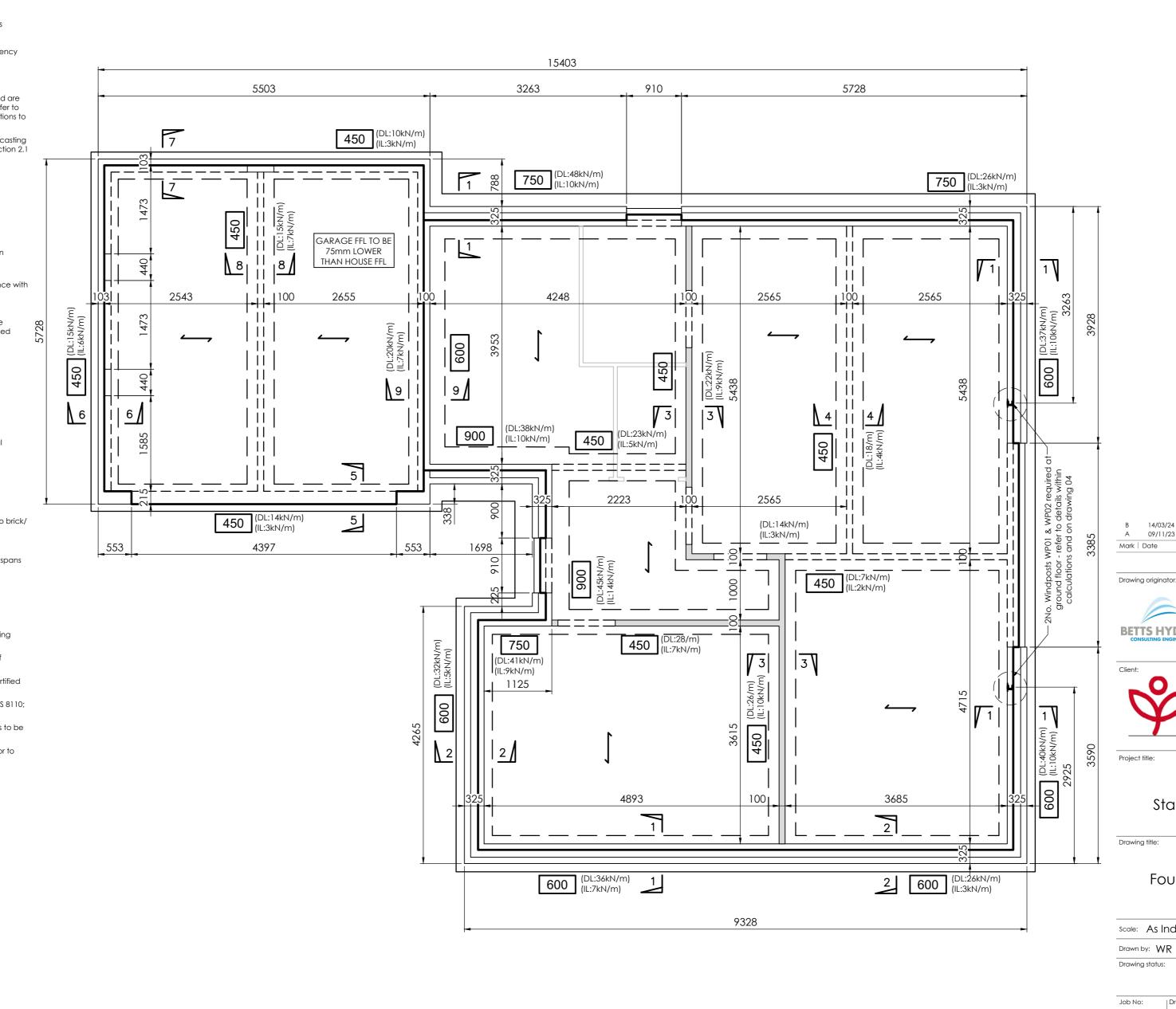
Tel 01244 288178

01

extent of A193 mesh top

unless noted otherwise

Refer to Redrow details for setting out

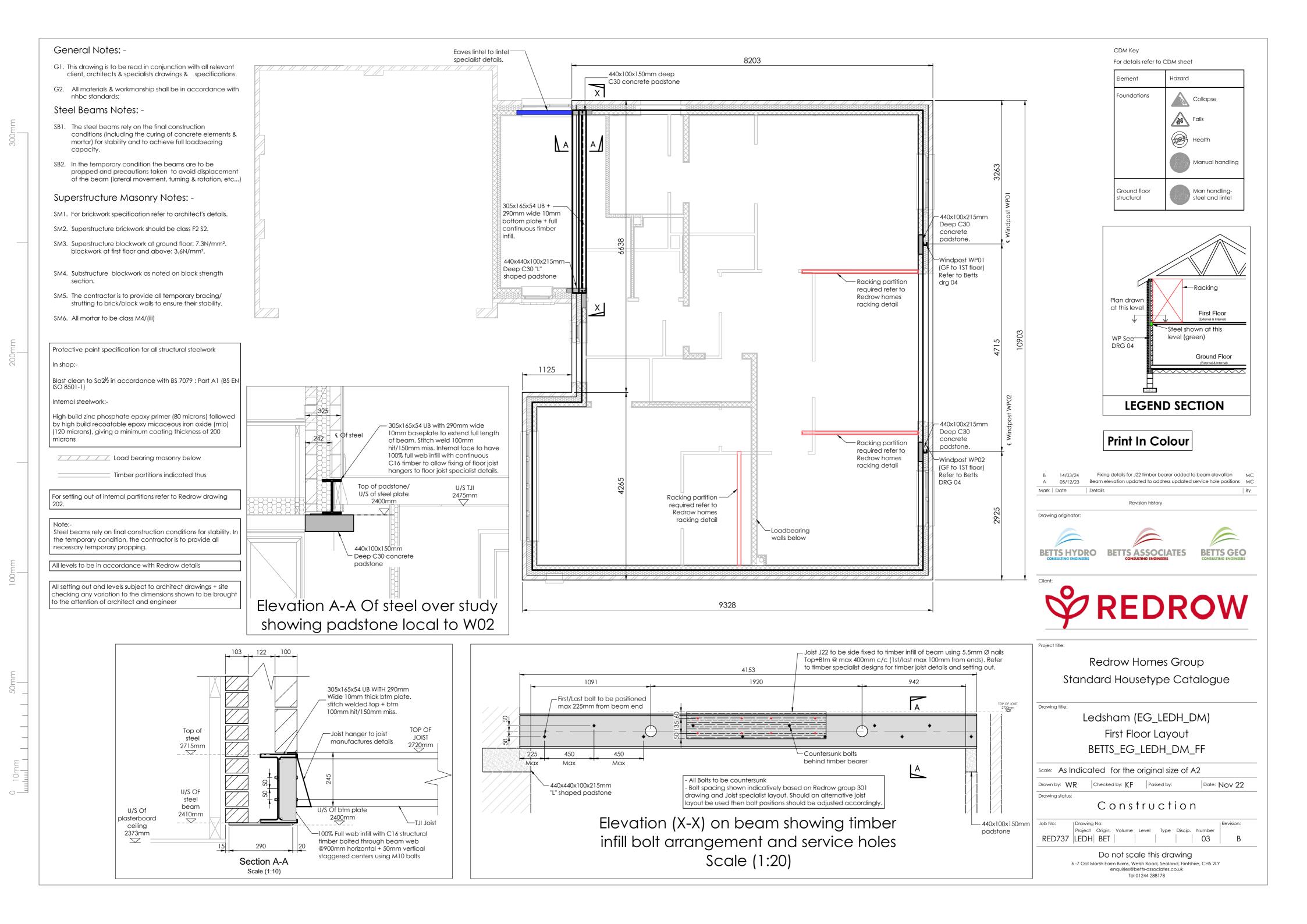


For details refer to CDM sheet Element Hazard Foundations Collapse Manual handling Man handling-Ground floor steel and lintel Line loads updated following calc review 14/03/24 Section reference updated for section 9-9 Details Ву BETTS HYDRO BETTS ASSOCIATES **BETTS GEO REDROW** Redrow Homes Group Standard Housetype Catalogue Ledsham (EG_LEDH_DM) Foundation/Beam & Block layout BETTS_EG_LEDH_DM_B&B Scale: As Indicated for the original size of A2 Drawn by: WR | Checked by: KF | Passed by: Date: AUG 22 Construction Project Origin. Volume Level Type Discip. Number RED737 | LEDH | BET | 02

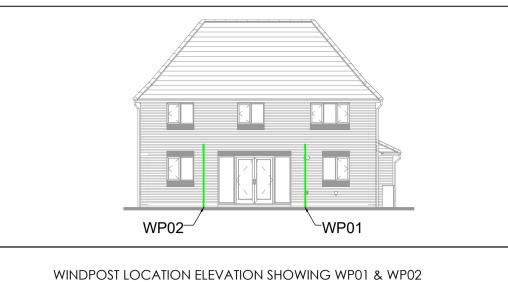
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CDM Key



All dimensions must be checked against latest Redrow drawings All windposts are Ancon WP3 (or similar approved) All steel windposts, wall ties, plates and bolts to be stainless



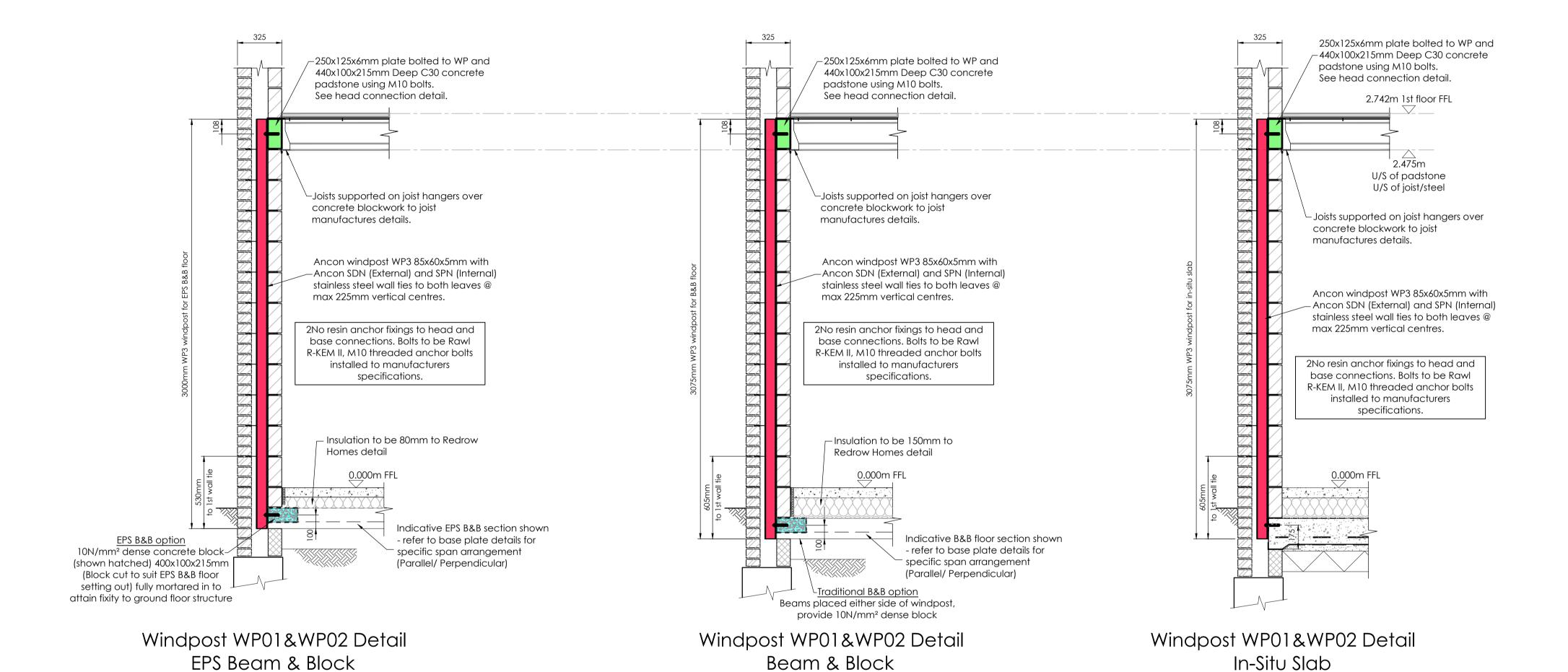
Ancon windpost WP3 85x60x5mm with Ancon SDN (External) and SPN (Internal) stainless steel wall ties to both leaves @ max 225mm vertical centres.

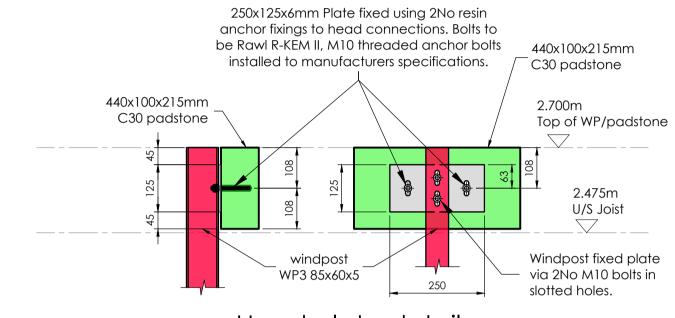
Plan on windpost

Note different windpost lengths for each floor type and windpost position:

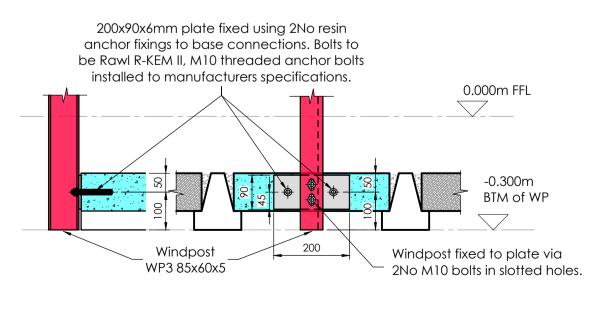
WP01/ WP02 - In-situ slab - 3075mm Beam & Block - 3075mm EPS Beam & Block - 3000mm

WIND POST LOCATIONS AT GROUND FLOOR

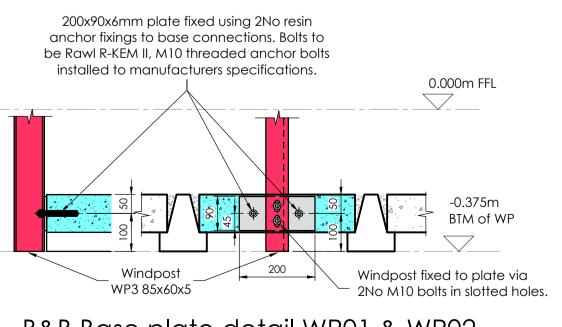




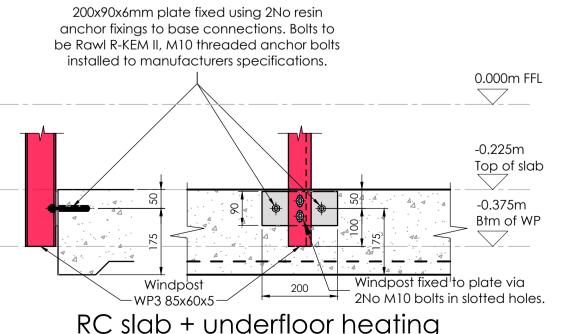
Head plate detail



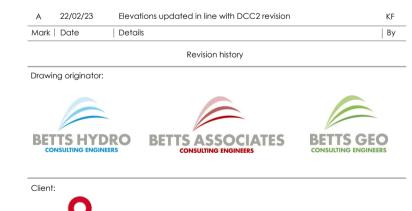
EPS Beam & Block Base plate detail WP01 & WP02 Floor spans perpendicular to wall



B&B Base plate detail WP01 & WP02 Floor spans perpendicular to wall



RC slab + underfloor heating base plate detail





Redrow Homes Group Standard Housetype Catalogue

Ledsham (EG_LEDH_DM) Ground Floor Windposts (WP01 & WP02) BETTS_EG_LEDH_DM_Windpost WP01&WP02

Scale: As Indicated for the original size of A1 Checked by: MC Passed by: Drawn by: KF Construction RED737 LEDH BET 04 A

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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.

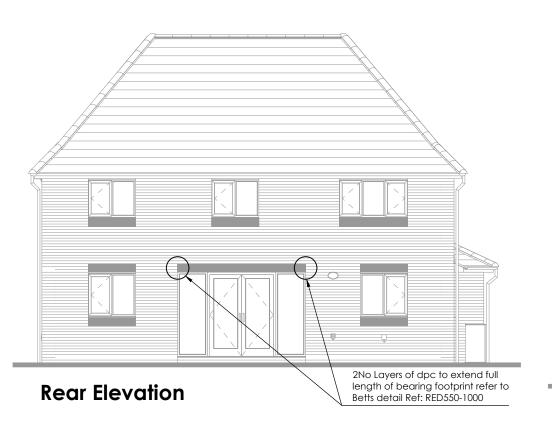
All exposed sub-DPC masonry over 600mm in height will require movement joints at max 6m (or to follow on from MJs in the superstructure, whatever is less centers)



Front Elevation



Side Elevation





Side Elevation



Construction
Drawing No:

Chkd by: KF Passed by:

Scale: 1:50

Drn by: WR

Drawing status:

Movement Joint/Bed joint reinforcement Elevations
BETTS_EG_LEDH_DM_MJ & BJR Elevation B1

for the original size of A3

Date: AUG 22

| Drawing No: | Drawing No: | Project Origin, Volume Level Type Discip, Number | Revision | A | LEDH | BETTS| - | 0 | DR | S | 05 | A |

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