GENERAL NOTES - JETFLOOR

1. Structural concrete topping to be RC25/30 standard or self-compacting concrete with max.20mm aggregate and reinforced with min.12mm long, min.22 microm diameter monofilament polypropylene fibres to BBA certificate 06/4373 at min.0.91kg/m³ or one layer A142 mesh to BS 8666:2005.
The topping is to be laid as soon as possible after the installation of the polystyrene components.

2. Aircrete blocks supplied by Forterra are 7N/mm² crushing strength.

3. Poly infill block min. length 300mm. To avoid offcuts less than 300mm, remove 300mm from the last full poly block in the row and use the offcuts in the next row.

4. Forterra cannot be held responsible for the design of their components if fixed at a variance to the details indicated on this drawing.

5. Where PIR insulation overlay sheets are used to meet enhanced U-values, the topping should be separated from the PIR sheet by a suitable membrane.

6.Forterra is not the principle designer under the CDM regulations.

BEAM WEIGHTS
B2 Beams = 33 Kg/m
RD Beams = 64 Kg/m
T8 Beams = 59 Kg/m

GENERAL NOTES - BEAM AND BLOCK

1. Building blocks to have a max. density of 1500kg/m³, and a crushing strength of 7.0N/mm².

2. Where support width exceeds 100mm split course to be turned through 90 degrees.

3. Forterra cannot be held responsible for the design of their components if fixed at a variance to the details shown on this drawing.

4. Once the beams and blocks have been installed, the floor should be suitably grouted with a nominal 4:1 sharp sand cement mix.

5. Any small holes required through the floor may be formed by removing infill blocks as necessary and making good with insitu concrete by the general contractor.

LOADING ALLOWANCES

Live load:	1.5 kN/m²
Finishes:	1.8 kN/m²
Part allowance:	0.00 kN/m²

Partitions on ground floor not to exceed 1.0 kN/m run (based on timber stud).

Self weight:	See calcs
Floor make up:	75mm structural concrete topping over structural overlay sheet of 150mm grey EPS / PIR (see note 5 of "General Notes - Jetfloor", left) with grey EPS blocks.
Units fixed by:	Others
Bearing level is:	FFL - 375mm

BLOCK KEY:

W = Wide poly block (485mm)
N = Narrow poly block (295mm)
C = 100mm thick poly inlay sheet (tolerance) cut after inserting block runs.

AB Denotes location of airbricks & vents.
Each airbrick offers not less than 6000mm² ventilation.

V Dennotes approx. position of vents to inner walls.

Floor to provide:- 1500mm² per metre run of external wall OR...
500mm² per square metre of floor area whichever is greater

IN ACCORDANCE WITH NHBC CHAPTER 10.1.4 GARAGE FLOORS, THE VOID BENEATH SUSPENDED PRECAST CONCRETE GARAGE FLOOR MAY BE UNVENTILATED WHERE:

- FLOOR HAS ADEQUATE DURABLITY
- GROUND BENEATH IS WELL DRAINED
- THERE IS UNLIKELY TO BE A BUILD-UP OF SOIL GASES

VENTILATION REQUIRED ON SITES WHERE GAS PROTECTION MEASURES ARE NEEDED. REFER TO STANDADRD DETAIL A/SD/S10/B/30

Ground Floor Beam Schedule

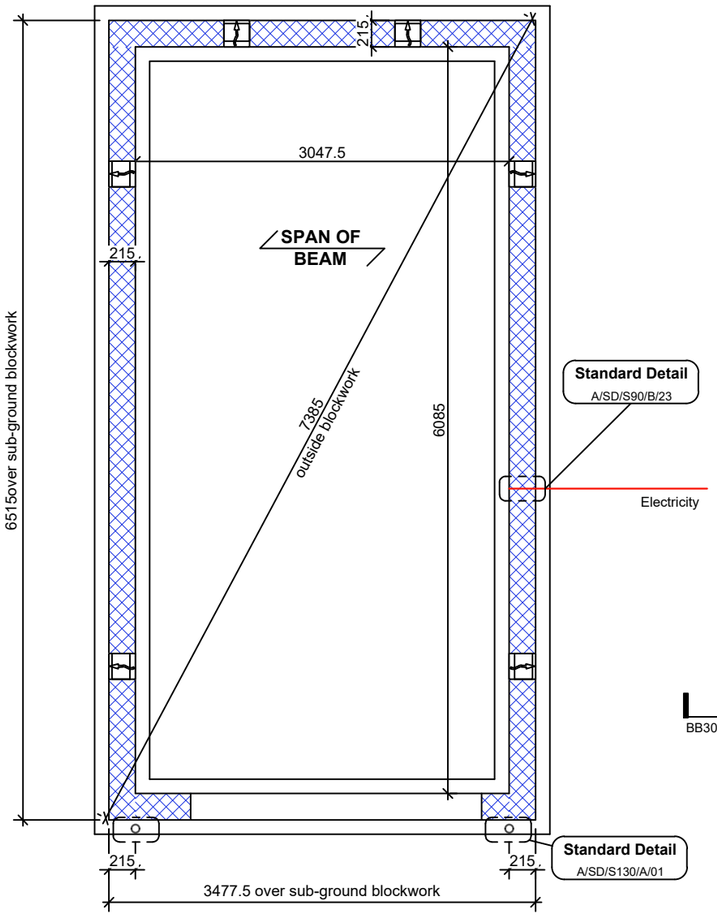
Qty	Length	Description	Weight (kg)
13	3250	B2 Prestressed Beam	107

Garage Floor Infill Block Schedule

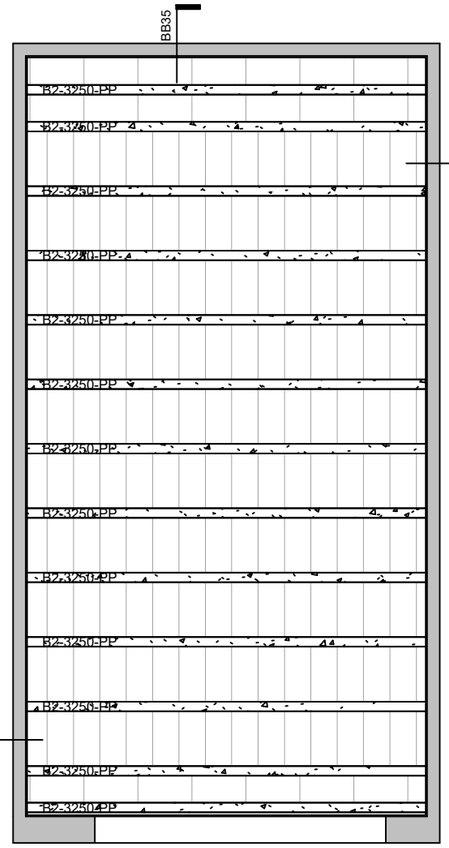
Qty	Area	Block Type
186	16.8 m²	440 x 215 x 100mm 7N/mm² infill blocks

Sub-Ground Wall Legend

Standard Trench block Garage Wall (Below Ground)
215mm blocks (7N/mm²) upto 225mm below external ground level, then class B engineering brickwork (102.5mm) to DPC level



2 Detached Foundation 1-50
1 : 50



3 Structural Beam Layout 1-50
1 : 50

Scale 1:50 0 0.5 1.5 3 5m

Rev: Date: By: Checked: Desc:

TENDER

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CLIENT:
BELLWAY HOMES LTD. (NORTH LONDON)

PROJECT:
FORSTER PARK, STEVENAGE (PHASE 2B & 2D-2)

WORKING DRAWINGS

TITLE:
Single Garage
DET | All Variants
Foundation Layout

SCALE:	DATE:	DRAWN BY:	CHECKED:
1:50@A3	Aug 25	GM	IJC

PROJ No:	DWG No:	REV:
5304	SG3001	-