

BLOCK 2.10
PLOTS 640-648

CONCRETE TOPPING IS TO BE RE-ENFORCED WITH REF 1 OR 2 DETAILED IN TABLE 3 ON PAGE 12 OF BEWI'S STRUCTURAL BOARD BBA CERTIFICATION TO CATER FOR THE COMMUNAL AREA LOADINGS AND TIMBER BUTTRESS PARTITIONS

DESIGN ALLOWS FOR THE FOLLOWING IMPOSED LOADS:

1.5kN/m² - BAYS 1, 2, 3, 4,
5, 8, 9, 10, 11

2.5kN/m² - BAYS 12(G)

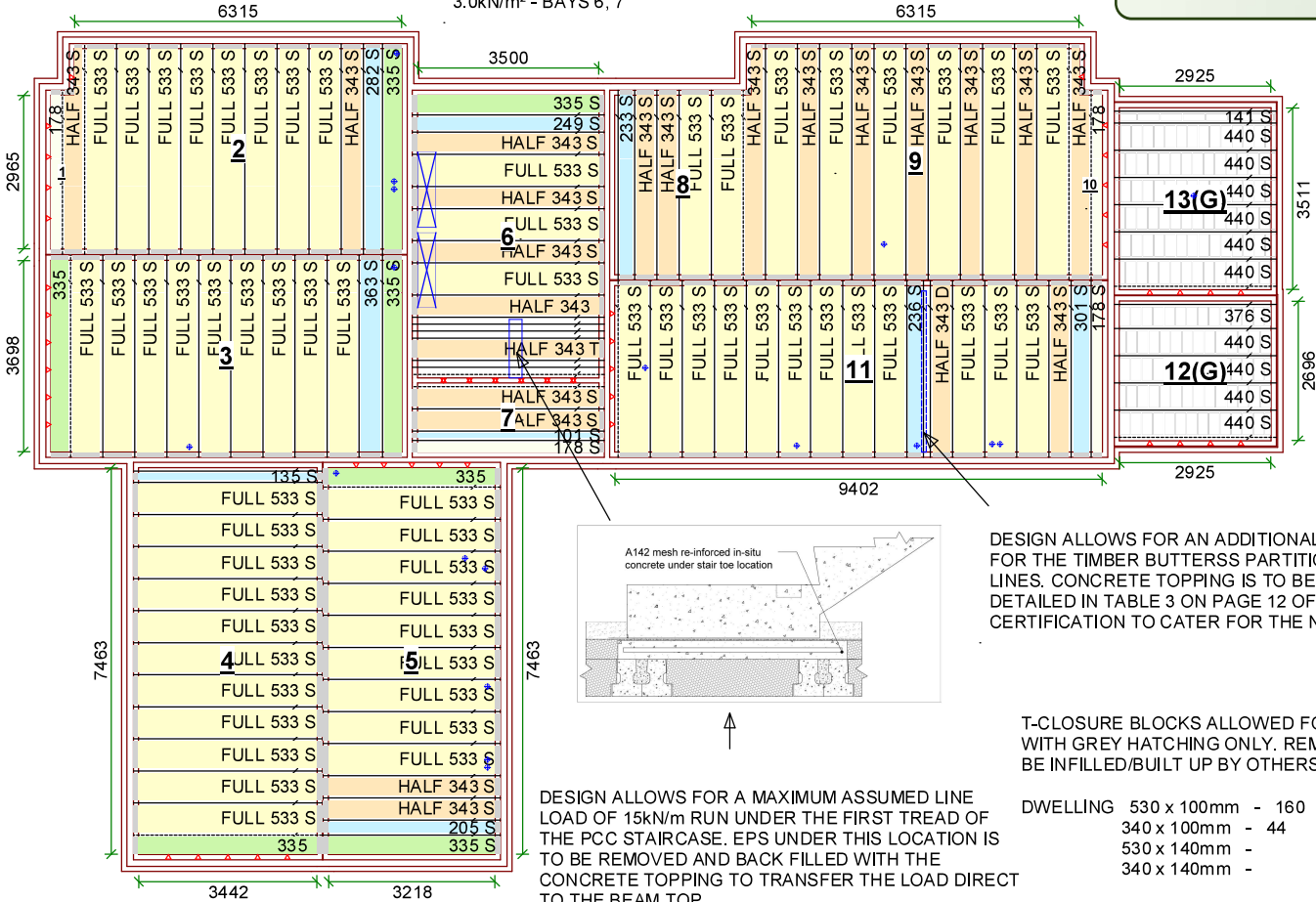
3.0kN/m² - BAYS 6, 7

DESIGN ALLOWS FOR AN ADDITIONAL 1.0kN/m² LOAD FOR NON-LOADBEARING STUDWORK PARTITIONS IN BAYS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11

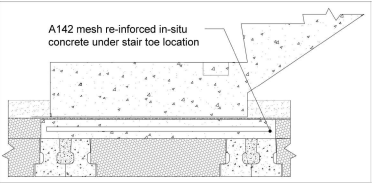
PLEASE CHECK ALL DIMENSIONS AND BEAM LENGTHS DETAILED IN THE FLOOR SCHEDULE LOCATED ON THE RIGHT HAND SIDE OF THE DRAWING. IF NO CHANGES ARE REQUIRED PLEASE SIGN, PRINT AND DATE BELOW.

SIGN
PRINT
DATE

APPROVED



IMPOSED LOADING FOR THE STORES ARE 2.5kN/m² or 10.0kN CONCENTRATED LOAD WITH A MINIMUM 75mm REINFORCED CONCRETE TOPPING DIRECTLY BONDED TO THE BEAM AND BLOCK



DESIGN ALLOWS FOR AN ADDITIONAL MAXIMUM 3.0kN/m RUN LINE LOAD FOR THE TIMBER BUTTRESS PARTITIONS DETAILED IN BLUE DASHED LINES. CONCRETE TOPPING IS TO BE RE-ENFORCED WITH REF 1 OR 2 DETAILED IN TABLE 3 ON PAGE 12 OF BEWI'S STRUCTURAL BOARD BBA CERTIFICATION TO CATER FOR THE NON-LOADBEARING WALL LOADINGS

T-CLOSURE BLOCKS ALLOWED FOR IN AREAS DETAILED WITH GREY HATCHING ONLY. REMAINING WALLS ARE TO BE INFILLED/BUILT UP BY OTHERS.

DWELLING 530 x 100mm - 160
340 x 100mm - 44
530 x 140mm -
340 x 140mm -

GARAGE 440 x 100mm -
210 x 100mm -
385 x 100 x 40mm COURSING SLIP -
385 x 140 x 40mm COURSING SLIP -
172 x 100 x 40mm COURSING SLIP -

VENT/AIR BRICK COMBINATION -

OUR VENTS AND AIR BRICKS ARE MANUFACTURED BY TIMLOC. VENTS ARE TO THE 1201XL SPEC AND AIR BRICKS ARE TO THE 1201AB SPEC. QUANTITIES ARE BASED ON PRODUCT BEING POSITIONED 450mm FROM CORNERS AND EVERY 2000mm SPACINGS THEREAFTER.

Imposed Load 1.5 kN/m² U Value 0.15 W/m²K

Lightweight Partitions 1.0 kN/m²

Finishes
Re-Inforced Concrete Topping 75mm 1.80 kN/m²
Garage Finish
Re-Inforced Concrete Topping 100mm 2.40 kN/m²

Floor Schedule

ATLAS 150 x 135mm											
Bay	No	Typ	Lgth	Bay	No	Typ	Lgth				
1	1	T5	3150	2	11	T5	4050				
3	11	T5	3900	4	13	T5	3650				
5	13	T5	3400	6	15	T5	3700				
7	4	T5	3700	8	6	T5	3650				
9	12	T5	4550	10	1	T5	3650				
11	18	T5	3400	12(G)6	T5	3100					
13(G)8	T5	3100									

STRUCTURAL BOARD -WASTE
FACTOR ASSUMED: 3.00%

Full (533): 158
Half (343): 71
178: 42
335: 22
Make Up (400): 27

Top Sheet: 70
Edge Strips: 98

Blocks
1500kg/m³ Infill Block 16m² nett
Jablite Structural Board 167m² nett

Floor Area 212.76 m² Floor Length 437.30 m Floor Weight 14.98 tonnes

Client HOULIHAN & CO LTD

Job Title
BLOCK 2.10

Site REDROW HOMES - PHASE 4B - WESTLEY GREEN, BASILDON, ESSEX, SS6 5NG

Scale N/A Drawn By PH

Date 25/11/2025

Address
UNIT A,RUDFORD INDUSTRIAL ESTATE, FORD ROAD, FORD, NR ARUNDEL, WEST SUSSEX BN18 0BD

02083209199

Drawing No 5423.02b - BLOCK 2.10

BEWI
for a better everyday