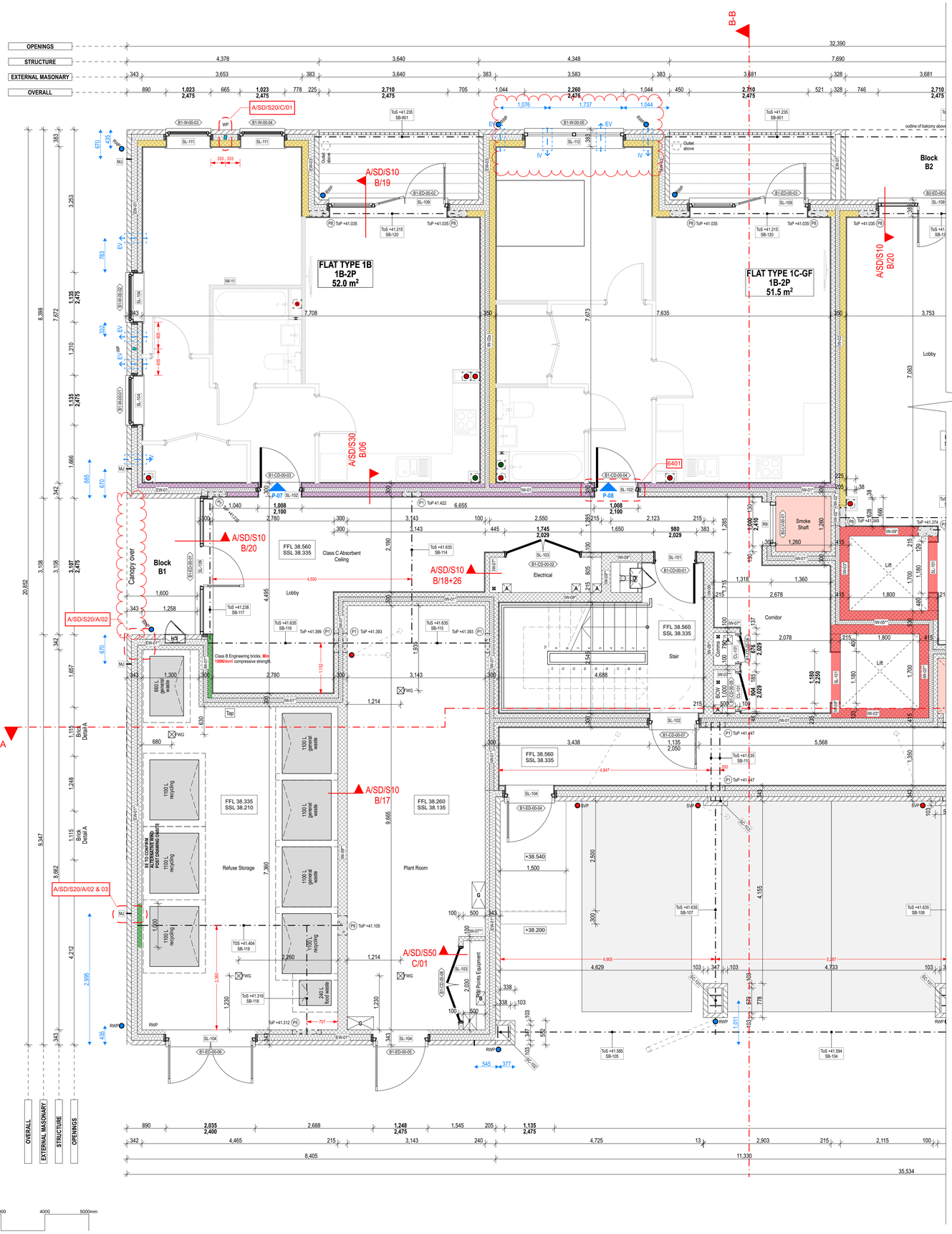


Wall Type Key - Apartments

Reference must be made to Drawing References
22.140-HGP-XX-ZZ-D-A-6300, 6400 & 6401 & Structural Engineers Drawing P22-946-035

- 102.5mm External Facing Brickwork (Refer to materials schedule)
- 100mm Fenlite (or equal approved) 7N/mm² aggregate block, 1350kg/m³ Density, Thermal conductivity 0.45W/m.K
- 100mm Fenlite (or equal approved) 10N/mm² aggregate block, 1350kg/m³ Density, Thermal conductivity 0.45W/m.K
- 100mm/215mm 70N/mm² (140mm Otherwise Noted) Class B Engineering brick.
- 140mm Fenlite (or equal approved) 10N/mm² aggregate block, 1350kg/m³ Density, Thermal conductivity 0.45W/m.K
- 140mm 17N/mm² aggregate block, 1350kg/m³ Density, Thermal conductivity 0.45W/m.K
- 215mm Fenlite (or equal approved) block laid flat 7N/mm² aggregate block, 1350kg/m³ Density, Thermal conductivity 0.45W/m.K
- Buttress Wall
- 215mm Fenlite (or equal approved) block laid flat 7N/mm² aggregate block, 1350kg/m³ Density, Thermal conductivity 0.45W/m.K
- 215mm Fenlite (or equal approved) block laid flat 10N/mm² aggregate block, 1350kg/m³ Density, Thermal conductivity 0.45W/m.K
- Full fill Knauf Supafil 34 Insulation, Thermal conductivity 0.034W/m.K
- 15mm Gypsum Wall board either side of 70mm metal stud partitioning (wall type reference IW-08).
- 15mm Gypsum Wall board either side of 70mm metal stud partitioning, 25mm acoustic partition roll APR (12kg/m³) insulation between studs (wall type reference IW-11)
- 15mm Gypsum Fireline board, 9mm Plywood board, 70mm metal stud partitioning max 400mm centres, 9mm Plywood Board 15mm Gypsum Fireline board (wall type reference IW-18)

Note Blockwork densities must be within 1350 - 1600kg/m³ to comply with Robust details.

LINTELS:
For EXTERNAL lintels please refer to HGP external door and window schedules

Unless indicated otherwise, INTERNAL lintels to be as follows;
R9 - 100mm Blockwork
R8 - 140mm Blockwork
S8 - 215mm Blockwork

WINDPOSTS:
85x60x4 ANCON WP3 Windpost

BUTTRESS WALLS:
Manufacturer to allow for wind load of 8kN/m

PCC PLANKS:
Manufacturer to allow for line load of 4kN/m from non load bearing blockwork walls.

✚ All floor and wall penetrations are to be fire stopped & must maintain the fire resistance of the fire separating element

Builders Work Holes within Floors taken from MEP Engineer's 100-20 Series Drawings as follows:

- A — 200 x 200
- B — 200 x 300
- C — 200 x 400
- D — 200 x 600
- E — 200 x 600
- F — 300 x 400
- G — 300 x 600
- H — 300 x 300

N.B. For Builders Work Hole locations within walls refer to MEP Engineer's 100-20 Series Drawings for sizes and locations

Structural Items

(As Specified by Structural Engineer)

STEEL BEAM SCHEDULE:

Note: bottom plates will be required for side bearing planks.

Blocks B1/B2 Ground Floor

SB-101	533x210 UB82 with welded 200x100x18 RSA masonry support, and 150x90x15 RSA stiffeners (galv.)
SB-102	533x210 UB82 with welded 200x100x18 RSA masonry support, and 150x90x15 RSA stiffeners (galv.)
SB-103	500x200x16 RHS with welded 200x100x18 RSA masonry support (galv.)
SB-104	533x210 UB138 with welded 200x100x18 RSA masonry support, and 150x90x15 RSA stiffeners (galv.)
SB-105	533x210 UB109 with welded 200x100x18 RSA masonry support, and 150x90x15 RSA stiffeners (galv.)
SB-106	533x210 UB82 with 200x100x10 RSA welded to webs + 350x15mm top plate (galv.)
SB-107	533x210 UB82 with 150x100x10 RSA (galv.) welded to webs + 350x15mm top plate (galv.)
SB-108	533x210 UB138 with 150x100x10 RSA (galv.) welded to webs + 350x15mm top plate (galv.)
SB-110	2No. 178x102 UB19 with M16 bolts and 40mm CHS spacers at 600 c/c
SB-111	203x203 UC46 with 380x10mm welded bottom plate
SB-112	254x146 UB31 with 200x100x10 RSA welded to web
SB-113	254x254 UC132 with 200x100x10 RSA welded to web
SB-114	203x203 UC46 with 300x10mm welded top plate
SB-115	203x203 UC86 with 380x10mm welded bottom plate and 300x10mm top plate
SB-116	203x203 UC71 with min. 380x10mm thick bottom plate AND 300x10mm top plate
SB-117	203x102 UB23
SB-118	203x203 UC46 with 400x12mm welded bottom plate and 350x10mm welded top plate (galv.)
SB-119	254x254 UC167 with 350x10mm welded top plate (galv.)
SB-120	180x90 PFC at lintel level
SB-121	203x203 UC46 with 300x10mm top plate
SB-901	200x75 PFC with 320x10mm welded bottom plate (galv.)
SB-902	200x75 PFC (galv.)
SC-101	254x254 UC73 (galv.)
SC-102	203x203 UC46 (galv.)
SC-103	230x60x32 PFC (galv.)

Bottom plates required for side bearing of planks.
*Where post is not present, steel to bear on 225mm long 100x50x8 RSA bearing plate within wall.
** Steels to be bolted together using M16 bolts and spacer tubes at 450 c/c. Bottom plates to be bolted to flanges with M16 bolts at 450 c/c.

STEEL LINTEL SCHEDULE:

Block B1

SL-101	UC152*152*23 with FLT10*215 over
SL-102	UB178*102*19 with CHS42.4*2.6 between @ 350 C/C (* = x2 Beams)
SL-103	UC178*102*19
SL-104	TS130/100
SL-105	CXC130/100
SL-106	TX130/100
SL-107	TH130/100
SL-108	CX130/100
SL-109	CCS
SL-110	TS130/125
SL-111	TX130/125
SL-112	CXC130/125

Refer to Glenworth / Wade pack for detailed information

CONCRETE LINTEL SCHEDULE:

Block B1

CL-101	C10500XFR660
CL-102	UC2900XFR660
CL-103	C13500XFR660
CL-104	C12000XFR660

Refer to Wade pack for detailed information

PADSTONE SCHEDULE:
All padstones to be C30 concrete unless otherwise noted.
U.O.N minimal 70N/mm² compressive strength engineering brick courses may be required between padstones when they are aligned in plan but at different levels.

P1: 440x100x215tp C30 Concrete Padstone
P2: 440x440x100x215tp C30 Concrete Padstone
P3: 440x215x215tp C30 Concrete Padstone
P4: 660x100x215tp C30 Concrete Padstone
P5: 660x440x215tp C30 Concrete Padstone

P7: 780x440x215tp C30 Concrete Padstone
P8: 440x140x215tp C30 Concrete Padstone
P9: 660x215x215tp C30 Concrete Padstone

Please Note:

This drawing can only be scaled for planning purposes. Dimensions to be checked on site and any discrepancies are to be highlighted to the Architect prior to construction.

Topographical / Ordnance Survey information shown has been prepared by a third party, HGP accept no responsibility for accuracy or completeness of the survey.

This drawing is to be read in conjunction with all other project drawings, construction notes and / or project specifications including those by other project consultants and specialists. All discrepancies should be reported immediately.

Design subject to detail development / approval. Measurements and accommodation schedules subject to amendments following coordinated input by others. Costings cannot be finalised until approval / confirmation by relevant authorities and client

Risk Schedule

!	Specific health & safety risks associated with this building are highlighted, but not limited to the caution symbol adjacent to the item of risk. **Refer to risk schedule on individual drawing.**
1	Injury caused by incorrect handling of large / heavy items.
2	Potential to fall from height.
3	Potential to fall from height through voids within floors.
4	Harm caused by handling lead.
5	Harm caused by Electrocution.

For further information refer to HGP's M06 & M07 documents

Further design information:

Reference should be made to the following drawing series

00 Preliminary	4600 Ceiling Plans
0000 Planning	5000 Window Schedule
1000 Site Plan & Site Wide	5100 Door Schedule
1500 Basement & Sub Structure	5200 Louvres
2000 GA Layouts	6000 Basement Details
2500 Roof Plans	6100 Ground Floor Details
3000 Elevations	6200 Roof Details
3500 Sections	6300 External Envelope Details
3600 Roddings	6400 Internal Details
3700 Stairs	6500 Balcony Details
3800 Lifts	7000 Fire Strategy
4000 Flat Types	7500 Site Wide Strategy
4100 Flat Type Partition Plans	8000 Conveyance Plans
4500 Structural Coordination	8100 Marketing Plans
	8500 Sales Plans

Apartment Block Layout

concrete ToP +38.352 / steel spreader	Padstone see Schedule ToP: Top of Pad		Structural Steelwork see Schedule
	Inlet / Extract Vents	WP / Wind Post	Floor Waste Gully
	Soil Vent Pipe (SVP), Stub Stack (SS) and Rain Water Pipe 110mm (RWP) and Above Offset		
CW / HW	Cold Water Supply / Direct Connection	MJ —	Masonry Movement Joint
	non combustable floor grille with minimum 1.5 m² free area		Smoke Shaft with minimum 1.5m² free area

Class C absorbent ceiling specification to be applied to circulatory communal areas.

Dimension Strings

WIDTH	Setting Out Dimension	MJ / RWP	MJ / RWP Setting out
WIDTH	Structural Elements		Finished Dimension
WIDTH / HEIGHT	**Structural Openings : Doors & Windows**		

- Ventilation Designs

In Abeyance

Bellway

C11	Updated to revised SE Drawings Rev C02.	17.12.24	LM	MLE
C12	Minor updates clouded	24.01.25	LM	MLE
C13	Updated to Simpsons Latest Drawings	06.03.25	LM	MLE
C14	Minor Changes Clouded	14.03.25	LM	MLE
C15	Vent locations amended	31.03.25	MLE	MLE
Rev	Description	Date	DB	CB

Ground Floor Plan Block B1

PROJECT	**JOB NO**
Carter's Site, Reading	22.175
SCALE	**DATE**
1:50@A1	23.02.24
DRAWN BY/CHECKED BY	**REVISION**
LM / MLE	C15
DWG#	**STATUS**
22.175-HGP-02-00-D-A-2005	CONSTRUCTION

hgp

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