

Wall Type Key - Apartments

Will reference key must be drawn / References:

22-1140 HPD-ZC-D-80, A601 & B601 & Structural Engineering Drawing #22-946-SOS

	• 102 mm External Facing Brickwork Roto to materials schedule 15mm Filler Bedding 75mm Firebrick aggregate bedded at 150kg/m ³ Density. Thermal conductivity 0.45W/mK.
	• 150mm Firebrick Aggregate bedded @ 100m ³ /m ² aggregate bulk, 1350kg/m ³ Density, Thermal conductivity 0.45W/mK
	• 100mmx125mm 75kN/m ² Class B Engineering brick,
	• 140mm Flare (or equal approved) bricks bedd @ 7Nm/m ² aggregate bulk, 1350kg/m ³ density, Thermal conductivity 0.45W/mK
	• 140mm "T" masonry aggregate bulk, 1350kg/m ³ Density, Thermal conductivity 0.45W/mK
	• 75mm (or equal approved) bricks bedd @ 7Nm/m ² aggregate bulk, 1350kg/Density thermal conductivity 0.45W/M
	Battens Wall
	• 215mm Ferrelle (or equal approved) bricks bedd @ 7Nm/m ² aggregate bulk, 1350kg/density, Thermal conductivity 0.45W/mK
	• 215mm Ferrell (or equal approved) bricks bedd @ 7Nm/m ² aggregate bulk, 1350kg/Density thermal conductivity 0.45W/M
	• 215mm Ferrell (or equal approved) bricks bedd @ 7Nm/m ² aggregate bulk, 1350kg/Density thermal conductivity 0.45W/K
	Fill or Equal Insulation Thermal conductivity 0.040W/mK
	15mm Gypsum wall board either side of 70mm metal stud partitioning, wall type ref#100
	15mm Gypsum wall board either side of 70mm metal stud partitioning, 25mm acoustic putty panel @ 12kg/m ³ insulation between studs (wall type reference)
	• 15mm Ferrell Firewall board, 15mm Plywood backed, 70mm metal stud @ 150 kg/m ³ density, 400mm cavity depth Note: Firewall assembly shall comply with AS/NZS 4586.1 Fire wall type reference W-FB18
	Note: Back Ducts dimensions must be within 150x 150mm x 10cm dry weight with Robust details.

Structural Items

(As Specified by Structural Engineer)

STEEL BEAM SCHEDULE:

Block C		Ground Floor
SL-101	210x210 UC63 with 275x10mm welded bottom plate	
SL-102	210x210 UC63 with 175x10mm welded bottom plate and welded stiffeners	
SL-103	210x210 UC63 with 280x10mm welded bottom plate (gale)	
SL-104	210x210x245 RS J in internal level	
SL-105	210x203x46 UC with 300x100mm top plate and 400x12mm bottom plate	
SL-106	200x200 PFC with 300x12mm welded bottom to bottom (gale)	
SL-107	200x200 PFC with 120x12mm top plate welded to bottom (gale)	
SL-108	100x75 PFC (gale)	
SL-109	120x120 RH650	
SL-110	100x100x8 RS	

Bottom plates required for sole bearing of plates.

*Where plates is not present, use at least on 255mm long 100x50x8 RS4 bearing plate within

*Beams to be bolted together using M16 bolts and spacer tubes at 450 c/c.

*Bottom to flanges to flange with M16 bolts at 450 c/c.

STEEL LINTEL SCHEDULE:

SL-1	UC152x152x23 with L17x17x1 over
SL-2	L81R 102x12x19 with 400x40x2.5 over 350 C/C (B = 3 Beams)
SL-3	UC174x102x19
SL-4	UC174x102x19
SL-5	CXC30x100
SL-6	UC174x102x19
SL-7	UC174x102x19
SL-8	CXC30x100
SL-9	CXC30
SL-10	75x100x125

Refer to Gensworthip pack for detailed information

PADSTONE SCHEDULE:

All padstones shall be 400x200x100 concrete piers otherwise noted

UO nominal 17mm/19mm compressive strength concrete bearing brick courses may be required between padstones where they are aligned in plan but at different levels.

P1	400x100x125/100 C/C Concrete Padstone
P2	400x100x125/100 C/C Concrete Padstone
	* Kinked to suit wall profile
P3	400x140x125/100 C/C Concrete Padstone



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.
	Injury caused by incorrect handling of large / heavy items.
	Potential to fall from height.
	Potential to fall from height through voids within floors.
	Harm caused by handling lead.
	Harm caused by Electrocutation.
For further information refer to HGP's M06 & M07 documents	

Apartment Block Layout

 concrete ToP +38.32 steel spreader	Padstone See Schedule ToP: Top of P	Structural Steelwork See Schedule
	Int/ Extract Vents	WP Wind Post
	Floor Waste Gully	
	Soil Vent Pipe (SVP), Stub Stack (SS) and Rain Water Pipe 110mm (RWP) and Above Offset	
	Cold Water Supply / Direct Connection	
	MJ —	
non combustible floor grills 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			
	Setting Out Dimension		MJ / RWP Setting out
	Structural Elements		Finished Dimension
	Structural Openings / Doors & Windows		

In Abeyance

- Ventilation Designs



C10	Key Legend Clarified	09.12.24	LM	MLB
C11	Updated to revised SE Drawings Rev C02.	17.12.24	LM	MLB
C12	Minor updates clouded	24.01.25	LM	MLB
C13	Updated to Simpsons Latest Drawings	06.03.25	LM	MLB
C14	Minor Changes Clouded	21.03.25	LM	MLB
Rev	Description	Date	DB	CB

Ground Floor Plan Block C (1 of 2)

PROJECT	JOB NO
Carter's Site, Reading	22.175
SCALE	DATE
1:50@A1	23.02.24
DRAWN BY/CHECKED BY	REVISION
LM / MLE	C14
DWG#	STATUS
22.175-HGP-03-00- -A-2013	Construction

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