

L1-a
TABLE 4.1
Limiting U-values for new fabric elements and air permeability in new dwellings

ELEMENT TYPE	MAXIMUM U-VALUE ⁽¹⁾ W/(m².K)
All roof types	0.15
Wall	0.18
Floor	0.18
Party Wall	0.20
Swimming pool basin	0.25
Window	1.4
Rooflight	2.2

TABLE 4.2
Limiting U-values for new fabric elements in existing dwellings

ELEMENT TYPE	MAXIMUM U-VALUE ⁽¹⁾ W/(m².K)
Roof	0.15
Wall	0.18
Floor	0.18
Swimming pool basin	0.25
Window	1.4
Rooflight	2.2

HEATING CONTROLS IN DWELLINGS
Provide a room thermostat or thermostatic radiator valves or any other equivalent form of sensing device, to control the output from the heating system. A thermostat is to be provided to keep the water at required temperature for hot water cylinder. A time switch is to be provided which will shut off the supply of heat when there is no hot water demand for a hot water cylinder with a capacity of more than 150 litres, which is not heated by off-peak electricity.

Programmable Thermostat - Heatmiser PRT
(Colour: White)
The Heatmiser PRT is 230v programmable room stat and programmer in one, providing up to 4 different temperatures at different times of the day.
Functions;
Large Display
5/2 Day or 7 Day Programming
Self Learning Optimum Start
4 Comfort Levels per Day
Temperature Hold Facility
Holiday Facility
Automatic Blue Back-Lit Display
(Turns off after 30 seconds)
Flush Mounting
C/F Selectable
Key Locking
Frost Protection
Remote Control Option

ENERGEY LABELLED WHITE GOODS	
DISH WASHER BOSH SGS45C12GB Specification	WASHING MACHINE AMICA AWGT12L Key Features
12 Place Setting 4 programmes 3 Wash Temperatures Speed 45 Economy 50 Normal 65 Noise Level 50 dB Special Half Load option Goodnight Water Consumption 12 Litres Energy Consumption 1.02 Kwh Adjustable Racking Anti Flood Devices Top Basket Delay Timer Time to End of Programme Rinse Aid Indicator Automatic Detergent Detector	EU Energy Efficiency Labeling Scheme: A rated Litres per kilogram of dry load: 8.25 Freestanding Washing Machine 1200 RPM spin speed Load 6kg Wash Class: A Spin Class: B Manufacturer Warranty 2 Year Energy Consumption: 1.02 Kwh Water Consumption: 49.51 Litres Number of Programmes: 20 Dimensions: (H)85.0 x (W)59.6 x (D)50.5 cm Available colours: White FRIDGE/FREEZER Any a rated can be used
GAS FIRED BOILER WILL BE USED UNVENTED HOT WATER,INSTALLER'S REGISTERED OPERATIVE INDENTINITY NUMBER WILL BE PROVIDED BEFORE COMPLETION	
Boiler Control Device Climaproy	

GAS FIRED BOILER WILL BE USED UNVENTED HOT WATER,INSTALLER'S REGISTERED OPERATIVE INDENTINITY NUMBER WILL BE PROVIDED BEFORE COMPLETION

GENERAL NOTES:
All dimensions must be checked on site by contractor at commencement of work.Any discrepancies affecting layout must be reported to client.

Plans can be scaled to obtain approximate dimenssions, but must be checked on site as there will be distortion due to printing process.
Plans have been prepared for Building Regulation approvals.The front shop front should be applied on site acording to Architect's approved planning plans.

Construction details/notes contained within this specification may be changed to an aletnative method.However, this must be agreed with Building Control before that part of the work commences.

Plans do not indicate condition of construction of existing structure or services, so they have to be checked and tested on site.

Expose all elements of existing structure whether subject to increase load or not, check the condition, , replace where necessary.

MEANS OF ESCAPE
All flats to be provided with a protected entrance hall (lobby) with half hour partitions between the hall and all room. Entrance hall to lead directly to a protected common hallway or lobby. The travel distance from the flat entrance door to the door to any habitable room not to be greater than 9m. Inner rooms are not acceptable.
All doors from rooms on to the entrance hall must be FD20 rated fire doors to BS 476-22:1987 (fitted with intumescent strips rebated around sides & top of door or frame if required by BCO). Where applicable, any glazing in fire doors to be half hour fire resisting and glazing in the walls forming the escape route enclosure to have 30 minutes fire resistance and be at least 1.1m above the floor level.

SMOKE DETECTION
Mains operated linked smoke alarm detection system to BS EN 14604 and BS 5839-6:2019 to at least a Grade D category LD3 standard to be mains powered with battery back up to be placed in the hall way of each flat with an additional interlinked heat detector at ceiling level in kitchens if required by BCO. Smoke alarms should be sited so that there is a smoke alarm in the circulation space on all levels/ storeys and within 7.5m of the door to every habitable room. If ceiling mounted they should be 300mm from the walls and light fittings. Interlinked smoke detection to be provided in the common ways if required by Building Control in accordance with Approved Document B and the Regulatory Reform (Fire Safety) Order 2005.
Grade D2, LD2 standard alarms to be provided if required by BCO.

SMOKE VENTILATION IN COMMON WAYS
Provide an automatic opening smoke vent with a geometric free area of at least 1.0m² located on an external wall at the top of the stair as high as practicable and so the top edge is at least as high as the top of the door. Vent to be opened on detection of smoke on any storey in the stair (vents to be placed on every level if required by bco).

COMMON STAIRS AND CORRIDORS
Fire Brigade to be consulted on the means of escape within the common areas of flats.
Common corridors and stairs should be protected, i.e. within a 30 minute fire resisting enclosure, and should lead directly to outside. Wall and ceiling surfaces are to have the appropriate linings to inhibit surface spread of flame in accordance with BS476.
Meters located within the stairway should be enclosed with a secure cupboard which is separated from the escape route with fire resisting construction. All gas services within a protected stairway must be installed in accordance with The Gas Safety (Installation and Use) Regulations 1998.

ACCESS FACILITIES FOR THE FIRE BRIGADE
Consultation with the local Fire Authority is required to ensure the provision is made within the site of the building to enable fire appliances to gain access to the building. This provision shall include:
Vehicle access for fire appliances
Access for fire fighting personnel
The provision of fire mains within the building
Venting for heat and smoke from basement areas
The provision of adequate water supplies

EMERGENCY LIGHTING
Emergency Lighting to BS 5266 Pt 1 will be required in common escape routes, including stairways,
Some buildings will, in addition, require emergency escape lighting in the escape route. These will include:
large buildings with long escape routes;
buildings with a complex layout;
buildings with no natural or borrowed lighting along the escape route; and buildings with vulnerable occupiers or those posing a specific risk.
It is recommended that the Emergency Lighting system is tested on a monthly basis with a record of the test maintained.

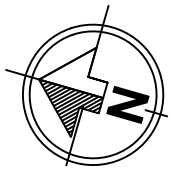
INTERNAL LIGHTING
Internal energy efficient light to be fitted as calculated within the dwelling primary energy rate and dwelling emissions rate for account for the efficacy of lamps.
Provide low energy light fittings lamps with a luminous efficacy better than 80 lamp lumens per watt. All fixed lighting to have lighting capacity (lm) 185 x total floor area.

ESCAPE WINDOWS
Provide emergency egress windows all first floor habitable rooms and ground floor inner rooms. Windows to have an unobstructed openable area that complies with:
- minimum height of 450mm and minimum width of 450mm.
- minimum area 0.33m².
- the bottom of the openable area should be not more than 1100mm above the floor.
The window should enable the person to reach a place free from danger from fire.

Notes :

1. All Dimension are in millimeters.
2. All dimensions are to be checked on site and the Architect is to inform of any discrepancies before construction commences.
3. All references to drawings refer to current revision of that drawing.

WALL LEGEND	
	Existing Wall
	Proposed 100 mm Non-Loadbearing Stud Wall
	Proposed Block Wall
	Proposed 350mm Cavity Wall

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Rev.	Date	Revisions
		
Client - Project - 65 Cranbourne Park Hedge End Hampshire SO30 0NY		
Scale	NTS	Date - 19-04-2025
Drawn By	Checked By -	
Project No.	Drawing No.	Revision
	18	-
Project Description - Front Porch Extension		