### Refer to Building Regulation Drawings for Full Specifications - Please Note: We Recommend All Drainage is Surveyed Copyright 2022 NEW AND REPLACEMENT WINDOWS FULL FILL CAVITY WALL









ARCHITECTURE DESIGNING YOUR DREAMS

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CLIENT

SITE ADDRESS

To achieve minimum U Value of 0.18 W/m²K (actual U Value achieved 0.17 W/m²K)





### FULL FILL CAVITY WALL U-value 0.17 W/m<sup>2</sup>K

Provide 12.5mm plasterboard over vcl with a plaster skim finish

Wells to be built with 1.1.6 sources and another	
wans to be built with 1.1.0 cement monar —	Cavity wall
20mm two coat sand/cement render with waterproof additive	Allereie 0.1.
Stainless steel retaining wall ties built in at 750mm ctrs horizontally, 450mm vertically and 225mm ctrs at reveals and corners in staggered rows	Cavity fully Thermaclass
Horizontal strip polymer (hyload) damp proof course to both leafs minimum 150mm above external ground level	Internal finis dabs

DRAWING NAME

# Proposed Side Extension

**PROJECT NAME** 

53 Nutwell Road Worle **BS22 6EW** 

Mr & Mrs Booth

The load-bearing capability of foundations must not be affected where services r The pipe work should be sleeved and be provided with 'rocker pipes' at a distant of the foundation concrete. The 'rocker pipes' should have flexible joints and be

PIPES PASSING THROUGH TRENCH FOUNDATIONS

600mm. Alternatively Pipework should pass through a suitably strengthened opening in the foundation, i.e. foundation shuttered and a provided with suitable lintel over the pipe allowing for sufficient space for movement to ensure that the drain is capable of maintaining line and gradient. Opening should be masked with granular backfill (pea shingle) around pipe. DPC to be provided as required by BCO.

Advice from Building Control to be sought on suitability of pipe running through foundation before construction.

### PIPES PASSING THROUGH WALLS Walls above pipes passing through substructure walls to be supported on suitable lintel on semi-

engineering bricks. Pipe to be provided with a 50mm clearance all round, opening to be masked with granular backfill (pea shingle) around pipe. DPC to be provided as required by BCO. Alternatively Where new pipework passes through external walls the pipe work is to be provided with 'rocker pipes' at a distance of 150mm either side of the wall face. The 'rocker pipes' must have flexible joints and be a maximum length of 600mm.

### STEPPED FOUNDATION (trench)

Stepped foundations should overlap by twice the height of the step, or 1m whichever is the greater. The height of the step should not be greater than the thickness of the foundation

## 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 and to be mains powered with battery back up. 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. Where the kitchen area is not separated from the stairway or circulation space by a door, there should be an interlinked heat detector in the kitchen.

## COLD FLAT ROOF U-value 0.15 W/m<sup>2</sup>K

oass through.	
nce of 150mm either side	
a maximum length of	

FIRE Fire Alarm Panel Single Power Socke Distribution Board Shaver Sock Smoke Detector Double Power Socke H Heat Detector Speaker Point Cooker Point (C) Carbon Monoxide Detector (TV) TV Aerial Point Unswitched Fused Spu Extract fan FB Floor Box External Power Socke O Underfloor heating control FS-2 Floor Socket **Telephone** Point Passive Extract Cat 6 Data Poin Mechanical Extract Extract Vent

## Wall Structure Key:

	Cavity Wall: Render
	Cavity Wall: Face Brick
	Block Work: 100mm
	Studwork Wall: 75mm
	Metal Frame: 70mm
	Solid Brick Wall: 215mm
$\land \land \land \land \land \land \land \frown$	Solid Block Wall: 215mm
	Structural Opening
	Walls Removed

### Please note:

All drawings are for the purposes of planning only unless marked for construction.

All builders to site measure to confirm measurements.

Report all discrepancies to the person named below, do not proceed without instruction.

BRO take no responsibility should any drawing/s unless specified are used for building purposes and measurements aren't checked on site.

All drawings remain the property of BRO Architecture

skins -100mm lightweight bloc 5 W/mK

Drainage Key

S	Storm Drainage
MH	Manhole
FD	Foul Drainage
SVP	Soil Vent Pipe
GP	Gulley Pot
RWP	Rainwater Pipe
AD	ACO Drain

## **Ducting Colour & Use**

Red Yellow	Electric cable Gas Pipe
Blue	Water pipes
Green	Data/Comms
Grey	BT
Purple	Security - Cameras
Orange	Garden Lighting non Security

filled with 90mm Celotex cavity insulation

sh to be 12.5mm plasterboard on



**Proposed Sectional View** 

DATE 23rd Sept 23 REV

DRAWN BY SH

SCALE (@ A1) 1 : 25

CHECKED BY Client

**PROJECT NUMBER** SH/BRO/220923-GB