

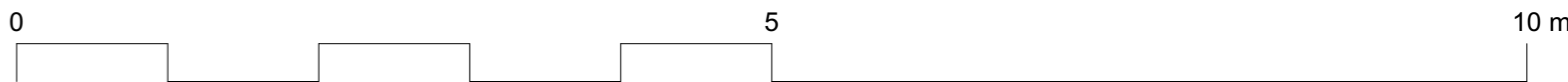
## TYPICAL SECTION

EXISTING SPORTS PAVILLION

drawings by another architect

EXISTING STORAGE BUILDING

1 PROPOSED TYPICAL SECTION 1 - 1  
Scale: 1:50



### OUTLINE SPECIFICATION for Building Control and Tender Contractor to refer to and comply with the Building Regulation Notes

#### Generally:

All works are to be carried out in strict accordance with the Building Control Notes. Alternative and similar products and materials can be used on condition they are equal to the performance of products and materials specified.

#### Demolition & Alterations:

Demolish existing outbuilding.  
Remove existing concrete slab.

#### Stucture & Foundations:

To SE drawings, specification, details and calculations. All steel beams to be fire protected with 12.5mm thick fire line board by British Gypsum or equal and approved. Plaster skim and paint finish.

#### New External Block Walls:

##### F10

New external cavity wall construction to be: 100mm thick blockwork to match existing inner skin to be 100mm thick thermal blockwork  
Cavity: 100mm wide cavity, with 90mm thick Kingspan Kooltherm K106 Cavity Board insulation & 10mm residual cavity to ensure U Value of at least 0.18W/m2K.  
Total thickness: 300mm  
Internal finish: 15mm thick plaster.

Total thickness: 315mm  
Fit insulation and construct cavity in accordance with Kingspan details and recommendations. Lintels & cavity closers to be insulated. Provide SS cavity ties. Allow for movement joints. DPCs and membranes to be radon proof and at least 150mm above external ground level.

#### New Internal Block Walls:

##### F10

New internal wall construction to be 100mm thick blockwork to new storage and archives and cleaner plant rooms. Concrete lintels to new walls and any new openings formed in existing walls to SE details. No plaster finish to archives and store. Plaster finish to meeting room / office wall. Make good plaster to WC, Kitchen and Lobby. Block wall thickness: 100mm  
Internal finish: 15mm thick plaster.  
Total thickness: 130mm

#### Existing External Walls:

##### F10

New walls where connected into existing walls use galvanised metal restraints to SE details. Concrete lintels to new openings in existing wall where required to SE details. Plaster finish where walls become internal walls to meeting room.

#### New Pitched Roof

##### H65

New pitched roof to match existing pitched roof. Timber rafters [allow 200mm] to SE details. Roof tiles [allow 20mm thick] and angle of roof pitch to match existing building roof. New warm roof construction to achieve U value of at least 0.15W/m2K. Provide 120mm Kingspan Kooltherm K7 Pitched Roof Board or similar approved fully filling space between rafters and 37.5mm [allow 38mm] thick Kingspan Kooltherm K18 insulated plasterboard fixed under rafters with skim coat plaster finish. Roof covering to be tiles to match existing roof on 25mm x 50mm battens on breathable membrane. 258mm apx total thickness. New roof to be in accordance with roof tile and insulation manufacturers details and recommendations including vapour control provision and flashings. All membranes to be fully lapped and taped with suitable flashings. New rain water gutters and down pipes to match existing building and to connect into existing soakaways.

#### New Flat Roof

##### J42

Roofing membrane to be Samafil G410-12ELF or equal and approved. Laid to at least 1:80 falls on 18mm thick board on breather membrane. 150mm thick insulation between rafters. 50mm thick rigid insulation below rafters, vapour control layer, 12.5mm thick plaster board with 2.5mm thick plaster skim. Roofing membrane to be supplied and fitted by registered installer with insurance back warranty for at least 10 years. New warm roof construction to achieve U value of at least 0.15W/m2K. Ensure all membranes to be fully lapped and taped with suitable flashings. Provide ventilation.

#### New Internal Partition Walls:

##### K10

New internal wall between meeting room / office and existing building / new extension to be British Gypsum Gyp Wall Classic metal stud partitions. 2 linings of 15mm thick Gyproc Wall Board either side of 70mm metal studs with 25mm thick Isover accoustic cavity insulation. 130mm thick. Tape and plaster skim coat. Paint finish Partition to provide at least 43 dB sound resistance and 30 mins fire resistance between rooms. Max ht 4900mm

#### New Windows

##### L10:

4 new double glazed metal windows to achieve U Values of 1.4W/m2K or better. Trickle vents for background ventilation. Locks. Toughened glass. New internal timber oil boards. Vertical internal blinds. External metal shutters controlled by electrics. Colour tbc.

#### New Rooflights

##### L10:

8 new rooflights to match existing. U value: 2.2W/m2K. Colour tbc. Openable with electric controls. Black out blinds.

#### New External Doors

##### L20:

2 new metal doors & frames with hinges and handles and locks to match existing. U value 1.4W/m2K  
Colour tbc.

#### New Internal Doors & Joinery

##### L20/25:

4 new SW primed timber FD 30 fire doors with hinges and handles. 1 new hatch to kitchen. New timber linings, frames, architraves & skirtings. All paint finish. Colour tbc.

#### New Ground Floor to Extension:

##### M10

Ground floor to extension to be 65mm bonded cement/sand levelling screed with mesh reinforcement on insulation on membrane on new beam & block floor to SE details. Insulation: 120mm Kingspan Kooltherm K103 Floor Board rigid urethane insulation or equal and approved. Rigid perimeter insulation. New floors to achieve U value of at least: 0.18 W/m2K. Provide cross ventilation below beam & block floor with air bricks.

New floor and wall membranes to be lapped and taped and to be fully resistant to water penetration, damp and contaminants and radon. Screed Finish: Smooth floated finish to screed to be true and level to receive new floor tiles or carpet

#### Drainage and Waste Disposal:

##### R11 & R12

Existing drainage to be properly identified and checked on site. Existing manhole cover to be replaced with recessed and sealed MH cover suitable for internal location. Reuse and if necessary adapt existing supply and drainage pipes in Kitchen and WC. Add 1 new external tap with gully. New rainwater downpipes to connect into existing soakaways. Test existing drainage and soakaways and seek BC on site approval prior to covering up. Refer to SE drawings for further details.

#### Heating and Hot Water:

##### S90 & S91 & T90

To be designed, supplied and fitted by M&E specialist of main contrator's choice and as sub contractor to the main contractor.

Retain existing gas boiler and Under Floor Heating in existing building. Add new radiators to kitchen and WC. Add new solar panels to serve existing hot water and heating.

Provide new radiators with thermostatic controls to:  
wc: 1  
Kitchen: 1

Design, supply and fit new Air Source Heat Pump to new extension with any other kit in the Archive room or other best suited location. Energy source heating to be a new ASHP serving wall mounted air con units to provide heating / cooling to new extension

Allow for new units to:

meeting room: 3  
office: 3  
Archives: 1

ASHP and solar panels to be designed & supplied & fitted under companies registered & covered by government grants.

#### Electrics and Lighting:

By BW Electrics or equal & approved. Check, test & confirm all electrics are working & safe. Design, supply & fit new electrics & lighting.  
Allow for new distribution board and separate circuits to new extension. New plug sockets to be set at 450mm and light switches to be 1200mm above FFL. All new sockets and light switches to be white plastic.  
Allow for at least 18 double sockets:  
Meeting room: 8 with ethernet ports  
Office: 8 with ethernet ports  
Kitchen: 1 at work top height

Archives: 1

Storage: 1 external type  
WC & Kitchen to reuse existing mechanical ventilation.

New recessed spotlights or surface mounted lights. Allow for:  
Meeting room: 6  
Office: 6  
Archives: 4  
WC: 2  
Kitchen: 4

Storage: 4 external type  
External: 4 wall mounted lights with movement sensors to act as security lights  
Emergency lighting

In addition, provide for electrics for rooflights and external window shutters. Provide security alarm system and CCTV security cameras with provision for based software.

#### IT:

By SoVision IT or equal & approved. Check & confirm all IT is correctly installed, including good strength of internet. Design, supply & fit new IT. Also move & install existing IT. Include VOIP headsets, and hearing loop. All to Client's spec. Provide IT control box on wall.

#### Phone and Communications:

By GPS Telecom or equal & approved. Provide new phone / internet line to building / office / meeting room. 1 line for phone. 1 line for internet.

All new electrics and lighting and IT to be executed by a qualified electrician and an installation certificate issued on completion.

#### Fire Alarm:

Provide Grade D Category LD3 mains operated fire (smoke & heat) detection with battery override in accordance with manufacturers recommendations. Allow for:  
Meeting Room: 1  
Office: 1  
Kitchen: 1  
Other detector in Kitchen:  
Carbon Monoxide Detector

#### Finishes:

Prepare for all finishes to existing WC and Kitchen and new extension. Supply & fix new non slip floor tiles to existing WC and Kitchen. Supply & fix new full height wall tiles to existing WC. Supply & fix new tile splashback above new work top to existing kitchen. Client to confirm tile size and colour.  
Supply & fit carpet on underlay to Meeting Room and Office. Carpet to be Grey Denver Loop Feltback Carpet supplied by Online Carpets or equal & approved. No carpet but only smooth finish to new concrete screed floors to Archives and Storage rooms.

#### Fittings:

Remove existing fittings to existing kitchen. Supply & fit:  
- 1 no double sink with separate taps to kitchen  
- 3 no window vertical blinds to extension windows by Temple Window Blinds or equal approved. Pale grey in colour.  
- 4 no solid metal external security shutters to all new windows  
- 8 no metal wall shelves to archive room to store audit boxes [420mm deep, 350mm wide, 300mm high]  
- 1 no timber 600 x 900mm full height lockable cleaner cupboard to kitchen  
- 3 no 600 x 300mm timber lockable wall cupboards above kitchen worktop  
- 1 no new kitchen worktop  
- 3 no 600 x 600mm lockable timber cupboards below worktop  
- 1 no mini dishwasher below kitchen worktop. DW to be Legik LDW45W22 supplied by Currys or equal & approved.  
- 1 no fridge below kitchen worktop. Fridge to be Essentials CUL48W22 supplied by Currys or equal & approved.  
- 1 no microwave on worktop. MW to be 25L integrated combination MW by Cookology. Model no: BMOG25L1XH

#### Furniture:

By Clients.

#### Painting and Decorations:

All ceilings and walls to Meeting room, Office, Kitchen and WC and Lobby to have base coat and 2 finishing coats of emulsion. All new and existing internal timber joinery and new timber fittings to be knotted and primed with base coat, primer and 2 finishing coats. All new internal timber doors are to be delivered prefinished and ready to receive on site 2 finishing coats. Colours to Client approval.

All new external timber to be knotted and primed with base coat, primer and 2 finishing coats. Colours to match existing.

#### External Works:

1800mm high metal security gate & fence. Concrete external path & ramp

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<b>client:</b> Westfield Parish Council	
<b>project:</b> Westhill Pavilion Norton Hill Recreation Ground Fosseway, Westfield Midsomer Norton BA3 4BB	
<b>title:</b> Proposed Typical Section	
<b>date:</b> 17/06/22	<b>scale:</b> 1:50 @ A1
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