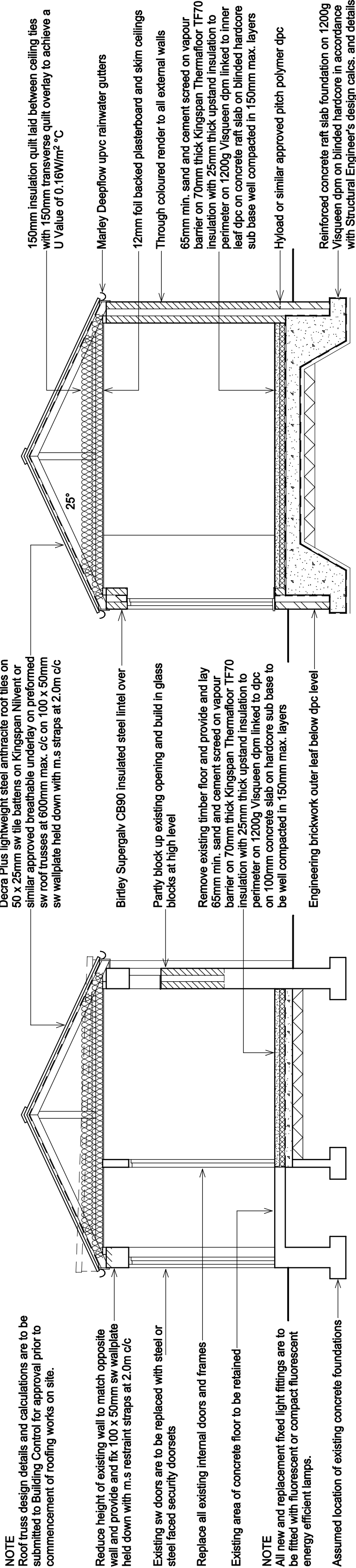




## PROPOSED SECTION A - A

**FOUNDATIONS**  
Reinforced concrete raft slab foundation with downstand edge beam to new external cavity walls in complete accordance with Structural Engineer's design calculations and details on 1200g Visqueen dpm on blinded hardcore sub base well compacted in 150mm max. layers.

**WALLS**  
**Cavity Walls :-** Through coloured render on 100mm Thermalite Shield blockwork outer leaf. 100mm wide cavity and 100mm lightweight fair faced blockwork inner leaf. Allow for stainless steel DD140 compliant wall ties at staggered 750mm c/c horiz. and 450mm c/c vert. Allow for wall ties at 225mm c/c vert. within 225mm of all reveals and build in proprietary insulated cavity closers. Wall cavity is to contain 100mm mineral fibre wall batts by Rockwool Ltd. (Agreement Cert. No. 94 / 3079).  
**Single Walls :-** 100mm thick lightweight fair faced concrete blockwork (4N/mm sq.). All walls are to be constructed in accordance with Document A1/2 of Building Regs.

**FLOOR**  
70mm sand and cement screed with light mesh reinforcement on 500g Visqueen vapour control layer on 70mm thick Kingspan Thermo floor TF70 board insulation with 25mm thick upstand perimeter insulation on 1200g Visqueen dpm linked to inner leaf dpc on concrete raft slab.

**ROOF**  
Decra Plus (anthracite) lightweight coated steel roof tiles on 50 x 25mm sw tile battens on Kingspan Nilvent or similar approved breathable underlay on pre-formed roof trusses at 600mm max. centres designed, erected and braced in accordance with BS5268 Part 3 : 1998 on 100 x 50mm sw wallplate held down with m.s. straps at 2.00m c/c. Allow for galv. m.s. restraint straps to pass over end 3No ceiling ties and built into cavity walls at 2.00m max. c/c with all necessary solid sw noggings.

**DRAINAGE**  
100mm dia. Osma UPVC or similar approved laid on and surrounded in approved bed and fill and all to the correct falls. Any drainage passing under or within 1.0m of the building is to be bedded and surrounded in 100mm min. granular fill. Allow for all necessary lintels where pipes pass through walls. Provide and bed on concrete base UPVC inspection chambers in the positions shown complete with cast iron cover and frame. Any inspection chambers exceeding 1.20m deep are to be built with 225mm engineering brick walls on 225mm concrete base with 100mm concrete top (internal size 1200 x 750mm). All concrete benching to existing inspection chamber is to be finished smooth and all drainage is to be to the satisfaction of the Local Authority.

**WASTES**  
100mm dia. pvc svp with 100mm dia. branch connections to W.C. All units are to be fitted with a 75mm deep seal trap and allow for clearing eyes at all changes in direction. Wash Basins are to be fitted with 32mm dia. pvc. Sink Unit and Urinals are to be fitted with 40mm dia. pvc. Combined wastes and pipe runs exceeding 3.00m in length are to be 50mm dia. pvc.

**LINTELS**  
Birtley Supergalv CB80 insulated steel lintel over new cavity wall openings. All lintels are to be 150mm min. end bearing with 1/2 hour fire protection.

**ELECTRICS**  
All existing circuits within the building are to be re wired. Kitchen is to be fitted with a mechanical extract fan capable of extracting 60 litres per second or 30 litres per second if connected to cooker hood ducted to external air. All Changing Rooms are to be fitted with an extract fan capable of extracting 15 litres per second. Disabled W.C is to be fitted with an extract fan capable of extracting 6 litres per second. Extract fans in rooms without natural ventilation are to be activated by light switch with 15 minutes overrun and a 10mm air inlet gap is to be provided to the bottom of door. Kitchen and all Changing Areas are to be fitted with a high level fan heater with timer cut out. All light switches and sockets are to be fitted between 450mm and 1200mm from floor level. All electrical work is to be in accordance with the latest edition of the IEE Regulations. Commissioning certificates for all installations are to be provided for inspection by Building Control on completion.

**HOT WATER**  
Existing electric hot water heater, cylinder and pump are to be assessed by a Heating Engineer to determine capacity and suitability to serve the extended building. Extend existing hot and cold water supply system to serve new areas with all pipework to be suitably insulated. System commissioning certificate is to be provided for inspection by Building Control on completion.

**RAINWATER**  
Marley Deepflow UPVC rainwater gutters and 68mm dia. UPVC rainwater pipes to be coloured black throughout.

## PROPOSED SECTION B - B

### SCHEDULE OF WORKS (ROOMS CHECKLIST)

**CHANGING ROOM 1**  
1/. Remove and replace existing wooden bench seating, electrical fittings, sanitary fittings (including 2 shower head / mixers) and doors and windows.  
2/. Remove and replace existing wall tiling to Shower area.  
3/. Provide and lay vinyl safety flooring throughout.  
4/. Prepare all surfaces and re decorate throughout.  
5/. Provide and fix high level electric fan heater with timer cut out.

**CHANGING ROOM 2**  
1/. Remove existing timber floor to Changing Area and replace with new insulated concrete floor.  
2/. Remove and replace existing wooden bench seating, electrical fittings, sanitary fittings (including 2 shower head / mixers) and doors and windows.  
3/. Remove and replace existing wall tiling to Shower area.  
4/. Provide and lay vinyl safety flooring throughout.  
5/. Prepare all surfaces and re decorate throughout.  
6/. Provide and fix high level electric fan heater with timer cut out.

**KITCHEN**  
1/. Remove existing timber floor to Kitchen Area and replace with new insulated concrete floor.  
2/. Remove and replace existing electrical fittings, roller shutter and doors and frames.  
3/. Provide and fix stainless steel sink unit and stainless steel worktops.  
4/. Provide and lay vinyl safety flooring throughout.  
5/. Prepare all surfaces and re decorate throughout. Allow for full height tiling to walls above stainless steel worktops.  
6/. Provide and fix high level electric fan heater with timer cut out.

**OFFICIALS CHANGING**  
1/. Remove existing sanitary fittings, electrical fittings, internal blockwork partitions and doors and windows.  
2/. Provide new insulated floor on existing concrete floor to raise floor level to match rest of the building.  
3/. Provide and fix new vitreous china sanitary fittings and shower head / mixer.  
4/. Provide and lay vinyl safety flooring throughout.  
5/. Provide and fix wooden bench seating.  
6/. Prepare all surfaces and re decorate throughout. Allow for full height wall tiling to shower enclosure.  
7/. Provide and fix high level electric fan heater with timer cut out.

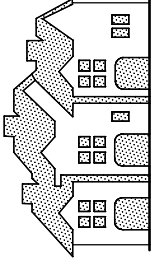
**CHANGING ROOMS 3 AND 4**  
1/. Provide and fix new vitreous china sanitary fittings and 2 shower head / mixers.  
2/. Provide and lay vinyl safety flooring throughout.  
3/. Provide and fix wooden bench seating.  
4/. Prepare all surfaces and decorate throughout. Allow for full height wall tiling to shower enclosure.  
5/. Provide and fix high level electric fan heater with timer cut out.

**DISABLED W.C**  
1/. Provide and fix stainless steel Doc. M compliant sanitary fittings and taps.  
2/. Provide and lay vinyl safety flooring.  
3/. Provide and fix disabled W.C fixed and drop down hand / grab rails in accordance with Doc. M of the Building Regs.  
4/. Prepare all surfaces and decorate throughout.

| Rev. | A | Date | Note |
|------|---|------|------|
| Rev  |   |      |      |

## Gordon Thornton Architectural Services

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Project  
**PROPOSED CHANGING ROOMS EXTENSION  
SHOTTON COMMUNITY PARK  
STATION ROAD, SHOTTON  
FOR SHOTTON PARISH COUNCIL**

## Title PROPOSED SECTIONS

| Date      | Scale                 |
|-----------|-----------------------|
| Jan. 2019 | 1 : 50 @ A2           |
| Drawn     | Contract No./ Drg No. |
| G.T.      | M 1224 / 3            |