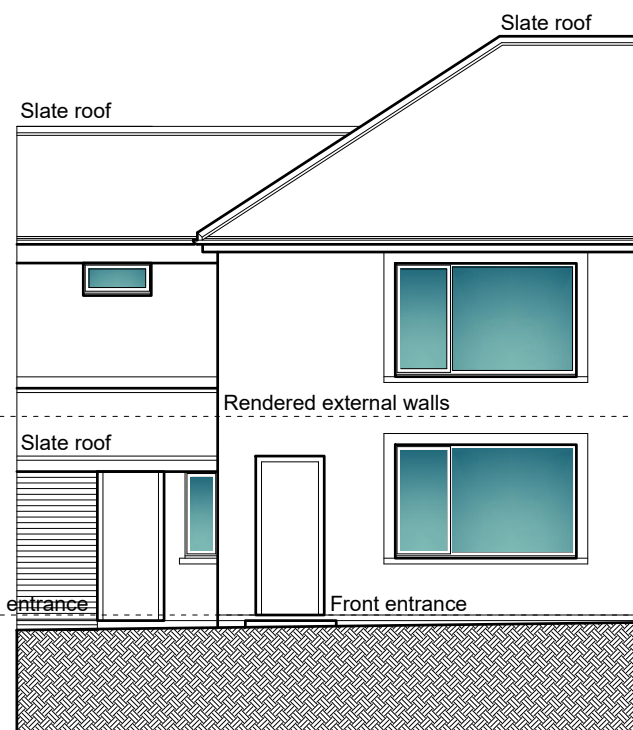
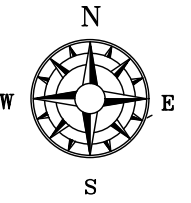
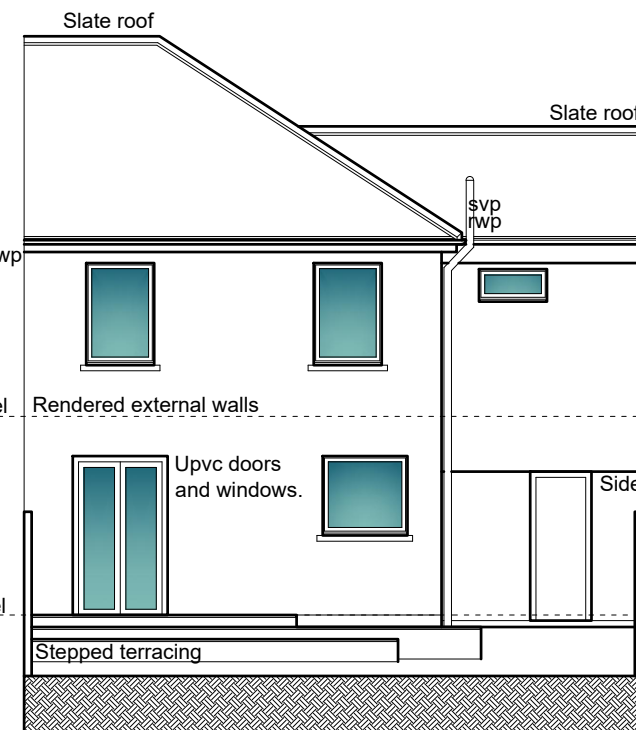


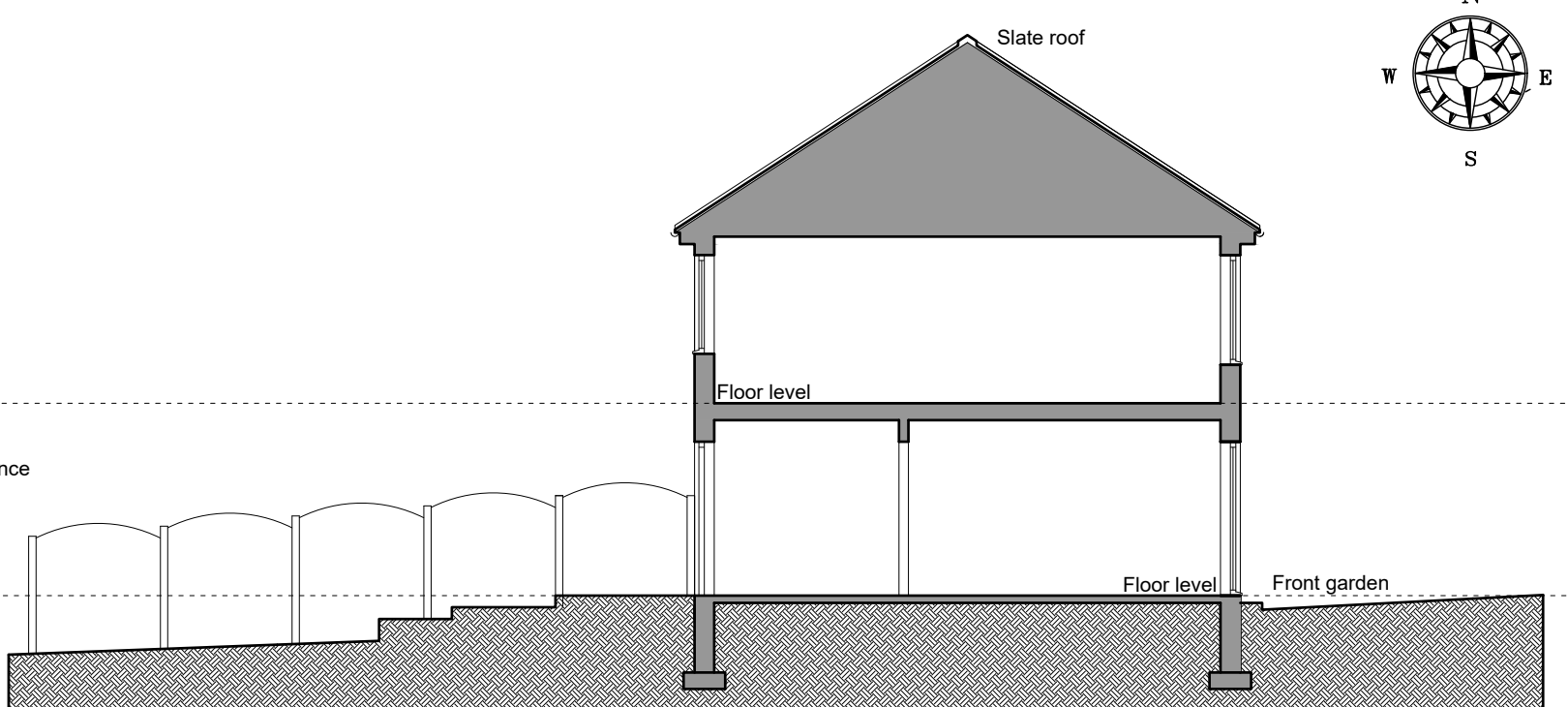
LOCATION PLAN 1/1250 Scale



FRONT ELEVATION



REAR ELEVATION



SECTIONAL ELEVATION

SCALE BAR 1/200 ORIGINAL DRAWING SIZE A3	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0 metres	80.0 metres	70.0	60.0	50.0	40.0	30.0	20.0	10.0	0.0	SCALE BAR 1/500
SCALE BAR 1/100	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres	400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500
SCALE BAR 1/50	0.0	1.0	2.0	3.0	4.0	5.0 metres															

Alteration and Extensions at 8 Crummock Ave, Woodhouse, Whitehaven, Cumbria CA28 9NF For Mrs Sharon Graham.

**SURVEY EXISTING PLAN
ELEVATIONS AND
LOCATION PLAN**

Scale: 1/100 @ A3
Date: DEC 2023
DWG No. 23/0398/1.

REV Date

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BLOCK PLAN

CRUMMOCK AVENUE

WHITEHAVEN WOODHOUSE

SCALE BAR 1/200 ORIGINAL DRAWING SIZE A3	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0 metres	80.0 metres	70.0	60.0	50.0	40.0	30.0	20.0	10.0	0.0	SCALE BAR 1/500
SCALE BAR 1/100	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres	400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500
SCALE BAR 1/50	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres	400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500

Alteration and Extensions at 8 Crummock Ave, Woodhouse, Whitehaven, Cumbria CA28 9NF For Mrs Sharon Graham.

EXISTING BLOCK AND LOCATION PLANS

Scale:
Date:
DWG No.

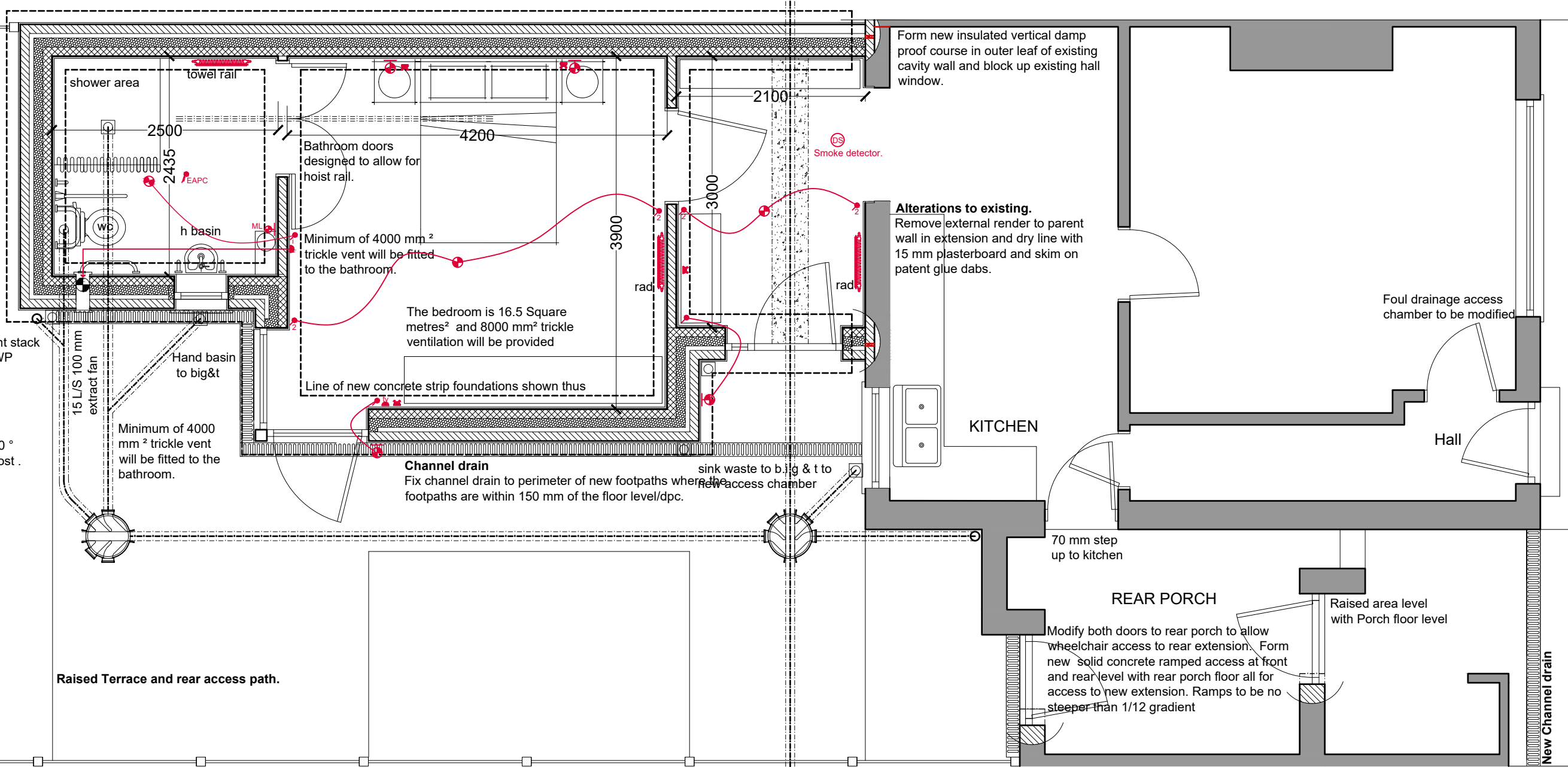
1/200 @ A3
DEC 2023
23/0398/2

REV
Date

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New wall connections:
Tie all new walls to existing with stainless steel wall connectors bolted to parent wall and tied into new wall with integral stainless steel ties built into coursing of blockwork. Cut out and insert insulated vertical dpc,s in external leaf where required to maintain cavity.

Foundations:
Tie new foundations to existing with 12.5 mm. dia. twisted stainless steel dowells min 300 mm. long drilled and grouted into existing footing to form a dovetail and cast into new foundations to prevent uneven settlement.



Corner window and door
Support corner over window and door with 90 ° cranked Catnic combined lintel and corner post .

FLOOR PLAN

Building regulations.
All existing sewer and drain installations are to be traced and recorded and surveyed in the presence of the Building Control Officer prior to any service alterations taking place. Where pipes pass under new building works they should be checked as fit for purpose and either surrounded in concrete or replaced as agreed with Building Control.

Drainage runs are show diagrammatically exact position of existing drains to be determined and agreed with building control. Break out and remove existing access chambers on sewer lines and replace with new access chambers at each end of sewer under building.

Mechanical Ventilation.
Supply and fix electric light switch operated extract fans to outside air with 20 minute overrun to the following including all ducting, damping, and external grills.
Shower room.....100 mm. dia. 15 l/s min. extract rate.

Lighting	TV	Television/satellite aerial
Mirror Light	BT	Telecom/computer outlet
Ceiling rose and pendant	30	30 amp cooker spur
Wall light	30	30 amp cooker spur and 13 amp socket
Recessed downlight	CB	Consumer fuse box
Recessed downlight	NS	Shaver spur
Mini spot	30	Shaver spur with light and pull switch
Light switch (450 / 1200 above FFL)	CH	Central heating control point/ programmer
2 way light switch (450 / 1200 above FFL)	CL	Clock / timer
Pull cord light switch (Ceiling mounted)	DB	Doorbell
Illuminated light switch (450 / 1200 above FFL)	EF	15 l/s extractor fan
Isolator switch (Power or lighting)	EF	30 l/s extractor fan
Power	EF	60 l/s extractor fan
5 Amp Lighting Circuit	EF	Radiator
Single socket (450mm. min above FFL)	EF	Insulated external tap
Double socket (450mm. min above FFL)	SD	Smoke detector
Double socket (Worktop height)	HD	Heat detector
Spur switch (worktop height)	EA	Emergency alarm pull cord
Spur terminal point (450 mm. min above FFL)		

Existing external parent wall becoming internal wall.
Strip off any external render in area of extension abutment. Form vertical insulated dpc to outer leaf of parent cavity wall at abutment with new extension cavity walls. Cut out to form cavity tray with flashing at abutment with extension roof. Roof fabric to be upturned under the abutment flashing. Block up unrequired window in existing hall and make good.

SCALE BAR 1/200 ORIGINAL DRAWING SIZE A3	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0 metres	80.0 metres	70.0	60.0	50.0	40.0	30.0	20.0	10.0	0.0	SCALE BAR 1/500
SCALE BAR 1/100	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres	400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500
SCALE BAR 1/50	0.0	1.0	2.0	3.0	4.0	5.0 metres															

Alteration and Extensions at 8 Crummock Ave, Woodhouse, Whitehaven, Cumbria CA28 9NF For Mrs Sharon Graham.

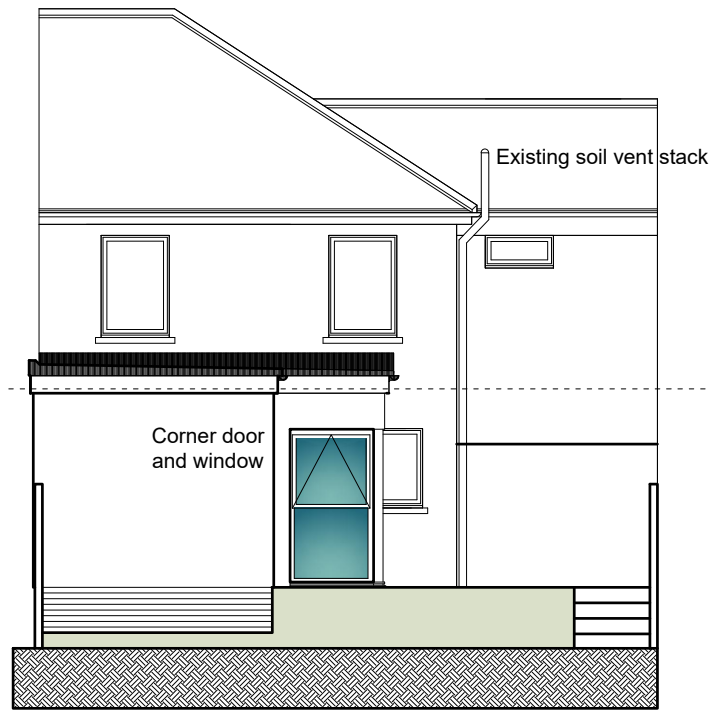
FLOOR PLAN GENERAL ARRANGEMENT

ALTERATION AND EXTENSION FOR ACCESSIBLE GROUND FLOOR BEDROOM AND SHOWER ROOM

Scale: 1/50 @ A3
Date: DEC 2023
DWG No. 23/0398/3

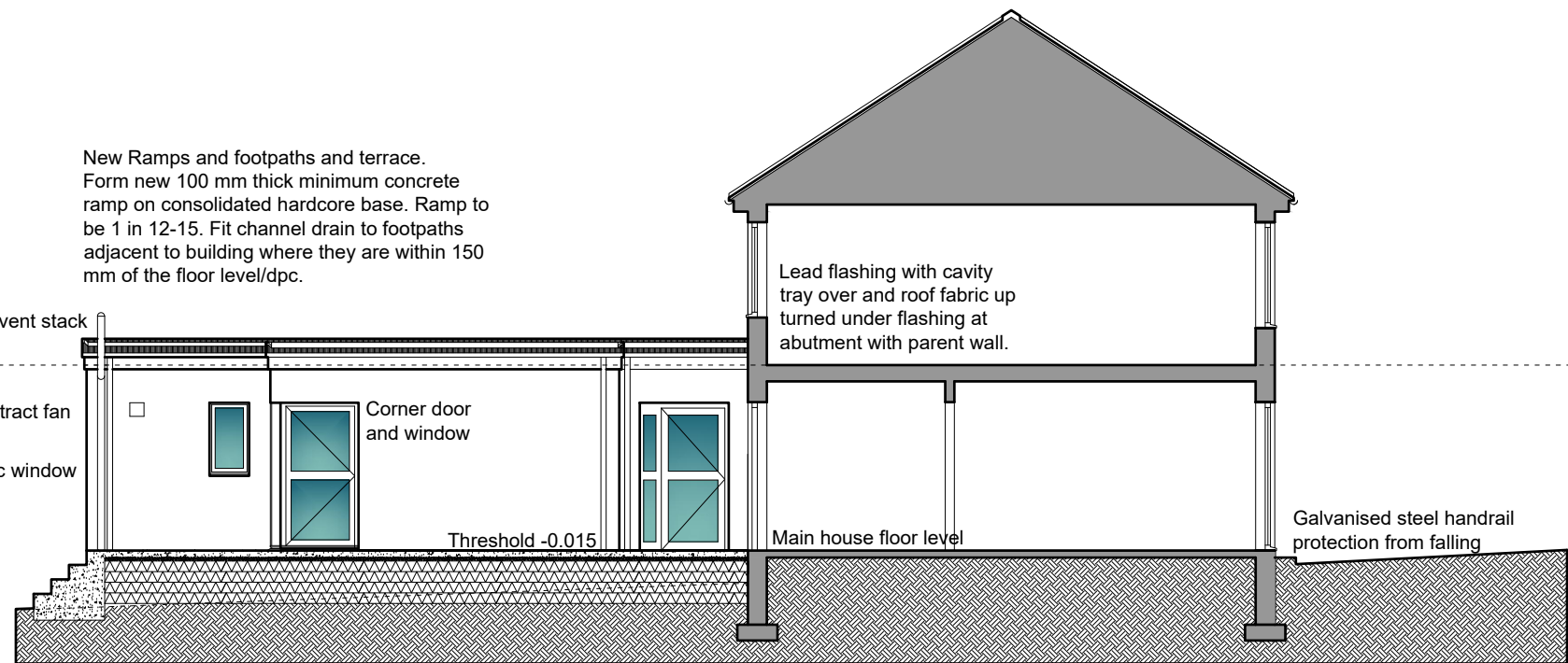
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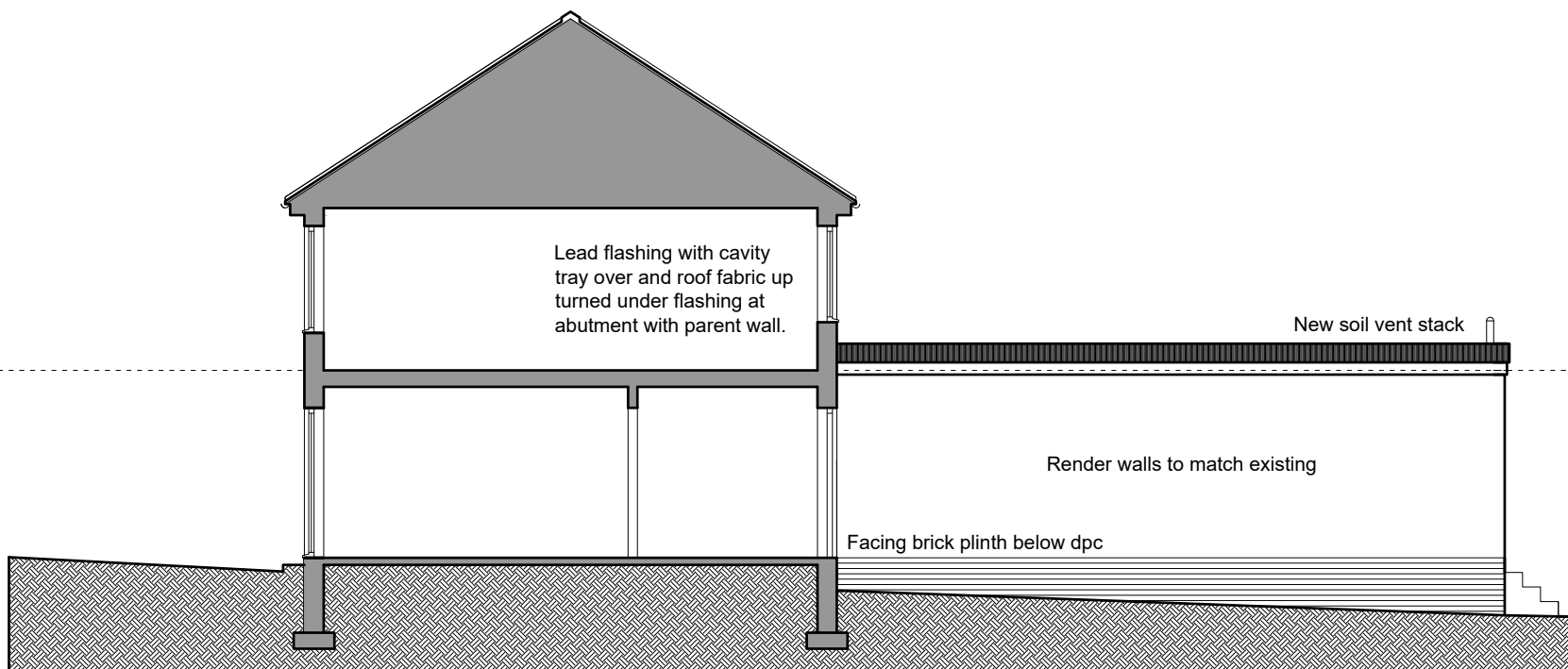
Single ply roofing membrane with up stand verges and welded drip to gutter on Upvc coated external quality plywood fascias.
New upvc rainwater goods fascias and soffits

REAR ELEVATION PROPOSED



New Ramps and footpaths and terrace.
Form new 100 mm thick minimum concrete ramp on consolidated hardcore base. Ramp to be 1 in 12-15. Fit channel drain to footpaths adjacent to building where they are within 150 mm of the floor level/dpc.

SIDE ELEVATION PROPOSED



REAR ELEVATION PROPOSED

Windows and External doors.

External doors and windows to be from the same manufacturer. New doors are to be upvc lined and insulated to have a minimum U value of 1.2 Wm²K.

All external doors and frames are to be fitted with draught proof seals and thresholds and the frames are to be fully sealed to the structure with mastic to prevent heat loss directly to the external air.

Fit door frames with trickle ventilation at a ratio of 500 Sq. mm per 1 sq. metre of floor space throughout habitable rooms.

Windows and doors

Windows and doors generally are to be designed and constructed by a member of a self-certification federation such as FENSA.

Windows and doors are to be designed to comply with

- Part B Means of Escape,
- Part F Ventilation
- Part K Protection from falling Collision and impact
- Part L Thermal Efficiency and Performance
- Part M Wheelchair Access
- Part N Toughened safety glass
- Part Q Secured by Design

All new windows are to be uPVC framed double glazed units or similar. All opening casements or sashes to habitable rooms are to be min. 450 mm. high and 450 wide to allow for escape in the case of fire, with min area of .33 M. sq. and a cill height not less than 800 mm. and no greater than 1100 mm.

Fit safety glass to BS 6206 to all new windows within 800 mm. of floor level and doors and side panels to comply with Building Regulations.

All windows are to be suitable energy saving glazing to achieve the stated U value requirement. For instance, 16 mm. 4-8-4 double glazed with Pilkington "K" glass double glazing units and gas filled to give a minimum overall U value for the window and frame of 1.4 Wm²K.

Fit all new windows with draught proof seals to all opening casements and seal around heads jambs and cills with airtight mastic sealant.

Windows and External doors continued.

All sashes are to be draught sealed and all frames fully sealed to structure with mastic joints to prevent heat loss directly to the external air. Windows are to be located in the wall to align with the cavity closer to ensure the thermal barrier is maintained.

Fit windows with trickle ventilation at a ratio of 500 Sq. mm per 1 sq. metre of floor space throughout habitable rooms.

Where opening windows are at ground level, they are to be fitted with protective safety barriers designed to withstand a Horizontal load of 0.74 kilo Newtons (kN) for every metre length.

External doors.

External doors and windows to be from the same manufacturer. All new doors are to be upvc or timber, lined and insulated to have a minimum U value of 1.2 Wm²K.

Entrance doors are to be minimum 838 mm. wide and fitted with low profile cills and thresholds to comply with Part M of the Building Regulations.

Any access ramps required shall have a maximum gradient of 1:12.

All external doors and frames are to be fitted with draught proof seals and thresholds and the frames are to be fully sealed to the structure with mastic to prevent heat loss directly to the external air.

Glazed doors to be safety glass to BS 6206 to all glazing within 800 mm. of floor level.

All openings to be remeasured on site prior to manufacture.

SCALE BAR 1/200 ORIGINAL DRAWING SIZE A3	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0 metres	80.0 metres	70.0	60.0	50.0	40.0	30.0	20.0	10.0	0.0	SCALE BAR 1/500
SCALE BAR 1/100	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres	400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500
SCALE BAR 1/50	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres	400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500

Alteration and Extensions at 8 Crummock Ave, Woodhouse, Whitehaven, Cumbria CA28 9NF For Mrs Sharon Graham.

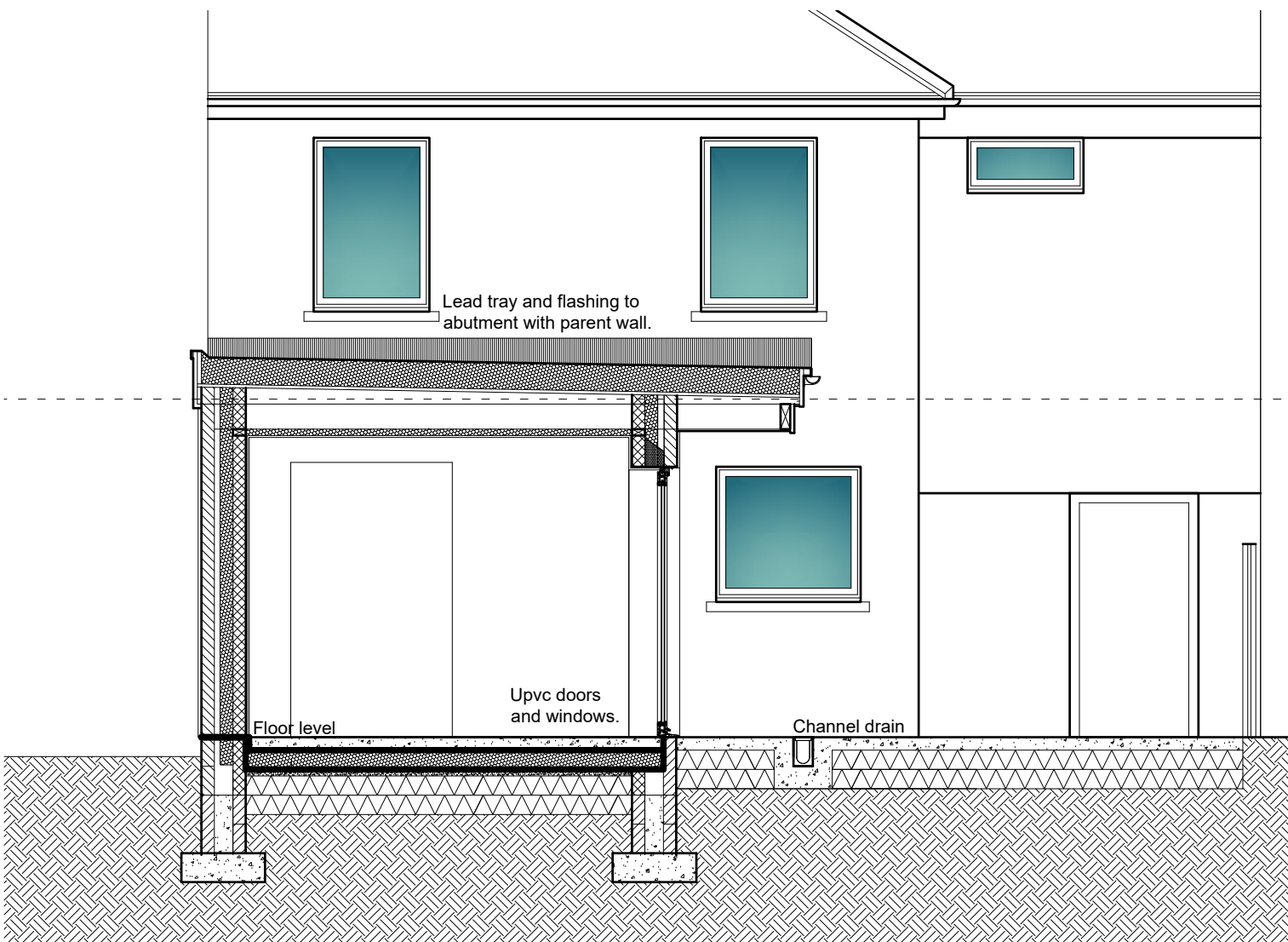
PROPOSED ELEVATIONS

ALTERATION AND EXTENSION FOR ACCESSIBLE GROUND FLOOR BEDROOM AND SHOWER ROOM

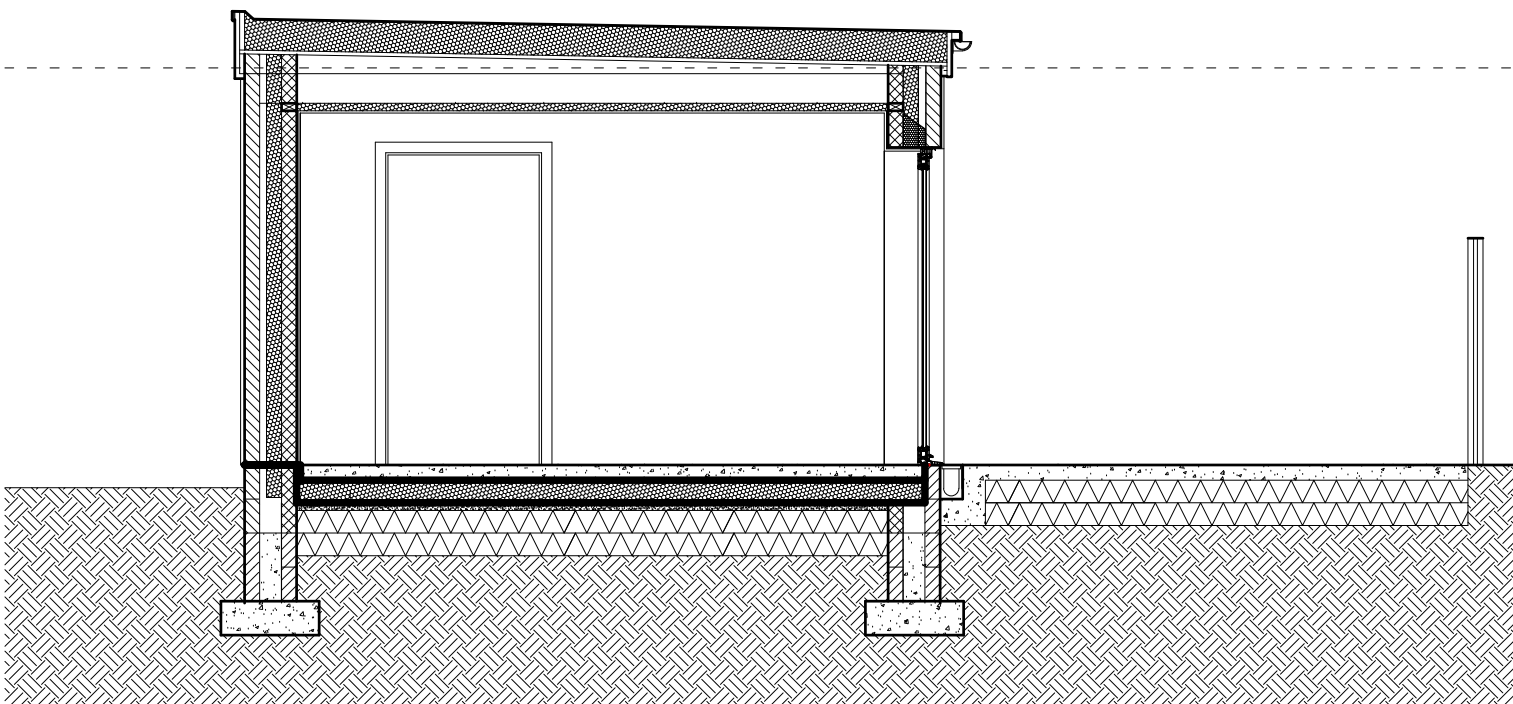
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Date: DEC 2023
DWG No. 23/0398/4

REV B
24/04/2023

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SECTIONAL ELEVATION THROUGH REAR PORCH



SECTIONAL ELEVATION THROUGH BEDROOM

Ground Conditions

No ground condition or survey has been carried out. The site will be reduced to formation level for full inspection of the existing terrain by Building Control to confirm the site conditions and designed foundations are suitable.

Enablement.

Carefully dismantle terraced decking and retain decking boards etc for reuse in areas of new terrace (This work may be completed by the householders in preference to the concrete terraces and footpaths.

Services. Existing Gas and Electric and Water services are to be isolated from the mains entry points prior to the works commencement. where the mains entry points are to be modified this should be carried out strictly to the design and specification of the service provider by an approved contractor.

Foundations

FOUNDATIONS MAY BE RECONSIDERED WITH BUILDING CONTROL DEPENDANT ON SITE SPECIFIC GROUND CONDITIONS.

Site Enablement

Reduce ground levels in area of works and set aside material excavated for reuse landscaping the garden and ramp. Remove from site any unused materials Where drains and underground service are uncovered, they should be checked and recorded.

New extension.

Foundation trenches to be excavated to suit dimensions indicated and taken down to virgin ground for inspection by Local Authority Building Control officer. Depth may vary according to site conditions and site contours, but the top of concrete must be minimum 450 mm. below the finished ground level. Strip foundations to be generally 640 mm. wide x 225 mm. min. deep to external cavity walls and 450 mm. x 225 mm. min. for 100 mm. load bearing internal walls or with minimum 150 mm. toe where wall thickness may vary. Form all steps in level of foundations in vertical increments of 225 mm. to suit block coursing, and with min 300 mm horizontal overlaps.

Concrete

Concrete to be premixed C20P as described in tables 1 and 2 of BS EN 206:2013 + A1:2016 maximum size aggregate to be 20 mm. All concrete shall be distributed and placed in position as quickly as practicable by a method which precludes contamination, segregation or loss of materials, compaction shall be complete before the initial set commences. Partial set concrete shall not be reworked or used. All concreting shall be continuous to completion or to an approved construction joint.

During the first seven days the concrete shall be protected by whatever means to prevent over rapid drying. Steps in the foundations are overlap by twice the height of the step or by 300 mm. whichever is the greater and should not be of greater height than the thickness of the foundation. In general steps should be in increments of 225 mm. to suit block coursing. Tie new foundation horizontally to existing foundations, by inserting 3 no. 9 mm. twisted mild steel bars in a dovetail pattern into the face of the existing strip foundations and install new concrete foundations to fully surround steel connections, to form a horizontal tie between the two foundations, to prevent uneven settlement.

New cavity wall below DPC generally.

350 mm. thick cavity walls consisting of 100 mm. thick solid concrete block with 150 mm wide cavity back filled with concrete to ground level max 225 mm below damp proof course and 100 mm. solid concrete block inner leaf. Cavity wall ties to be Ancon ST1 Type 1 Tie to PD 6697 (Masonry Heavy Duty) or similar specifically designed for 150 mm to 175 mm. cavities at 750 mm. horizontal centres and 450mm vertical centres, offset 375 mm. horizontally to form a diamond pattern. Fix additional wall ties every course at all corners and jambs. Between ground level and floor level, fix bituthene Hyload DPCs continuous across the cavity to both inner and outer leaves of walls and integrated with the Gas and Damp proof floor membrane at min of 150 mm. above ground level.

Ground Floor Construction. U Value 0.12 W/M²K

Allow for flooring finish thickness on 150 mm concrete floor slab on 500-gauge Visqueen vapour barrier on 150 mm Celotex GA4000 floor insulation slabs on 1200 gauge damp proof membrane. All on 50 mm sharp sand blinding on minimum 150 mm thick sand blinded hard-core sub-base laid and consolidated in 150 mm layers no thicker than 600 mm. deep. Visqueen Damp Proof Membrane is to overlap D.P.C. in inner leaf of external walls to form a permanent damp proof barrier. All damp proof courses, and vapour barriers are to be overlapped and taped as recommended in the manufacture's specification for the location and purpose. New ground floor to be level with existing ground floor, allow for sloping wet room floor area to floor gully and trap integrated into non-slip vinyl floor with upturned skirting's around perimeter of shower room

New Roof Structures

Roof Construction Fabric.

The roof type will be a warm roof with insulation over the roof decking. Single ply fibre backed roofing membrane, Sanafil or similar, fixed by a manufacturer recommended and approved installer on 140 mm Celotex XR4000 or similar adhered to 25 mm thick external quality plywood roof decking. All roof fabric details fixtures and fittings roof outlet gully etc. are to be strictly as recommended and detailed by the roof fabric product manufacturer/installer. Fix code 4 lead flashing over up turned roof fabric at parent wall abutments to form weather sealed abutments and copings. Roof to fall across the extension to the rainwater gutter downpipe and yard gully at minimum gradient of 1in 40 fall or as otherwise recommended by the fabric manufacturer.

Roof Structure

Roof to have minimum 1 in 40 falls across the roof to the rainwater gutter. Roof structure to be minimum 50 mm x 50 mm timber tapering timber firrings on 195 mm x 50 mm C16 timber flat roof joists at 400 mm centres supported on 100 mm x 50 mm wall plate on mortar bed and fixed to head of inner leaf of cavity walls. Fix wall plates with BAT Metal straps at 1500 mm centres. Fit BAT MS 305 galvanised steel straps to head of all new walls and across minimum 3 no. joist parallel or along the side of joists perpendicular to walls to provide lateral supports to the structure. Line ceilings with 500 gauge Visqueen vapour barrier and 25mm/12.5mm (15mm) combination insulation and plasterboard and skim ceiling with 3 mm plaster skim finish.

ALL TIMBERS ARE TO BE MARKED KILN DRIED

Leadworks to roofs.

All lead gutters, valleys, trays, soakers and flashings are to be in the correct code thickness as recommended by the Lead Sheet Manufacturer's Association and produced and fixed strictly in accordance with their published recommended details.

Where non lead trays are used, they should have a patent agreement certificate confirming Building Regulations compliance.

SCALE BAR 1/200 ORIGINAL DRAWING SIZE A3	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0 metres	80.0 metres	70.0	60.0	50.0	40.0	30.0	20.0	10.0	0.0	SCALE BAR 1/500
SCALE BAR 1/100	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres	400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500
SCALE BAR 1/50	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres	5.0 metres									

Alteration and Extensions at 8 Crummock Ave, Woodhouse, Whitehaven, Cumbria CA28 9NF For Mrs Sharon Graham.

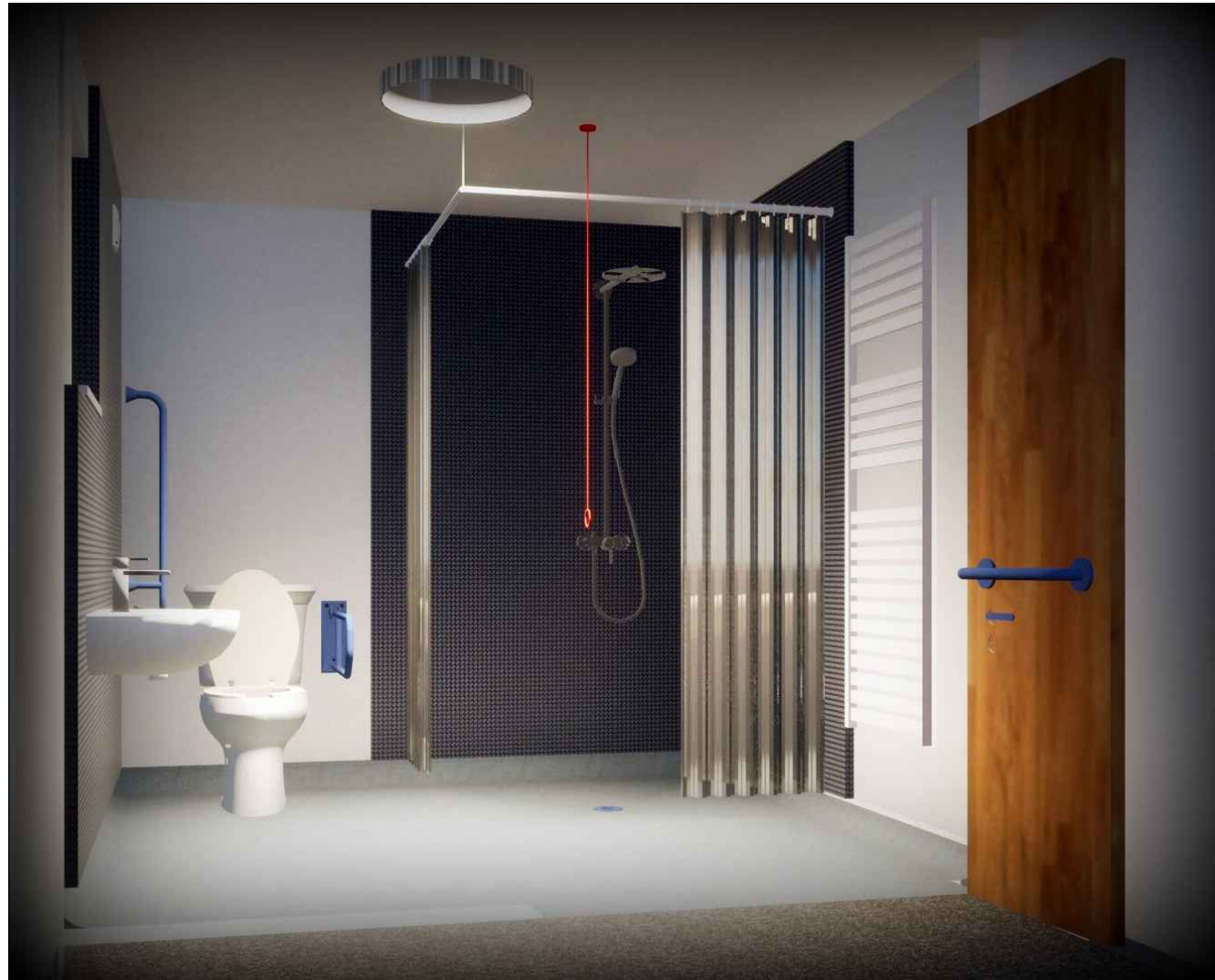
PROPOSED SECTIONAL ELEVATIONS

ALTERATION AND EXTENSION FOR ACCESSIBLE GROUND FLOOR BEDROOM AND SHOWER ROOM

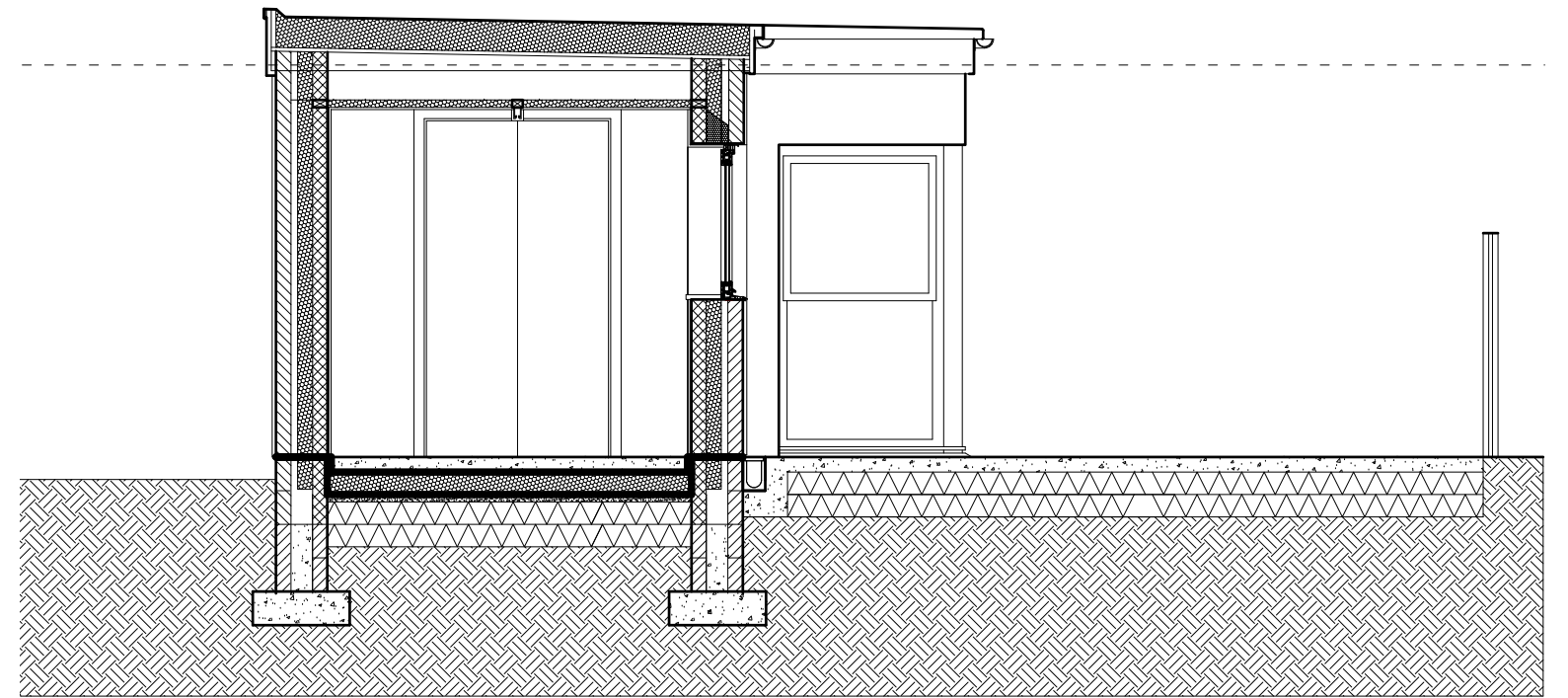
Scale: 1/50@ A3
Date: DEC 2023
DWG No. 23/0398/5

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Take door heads up to underside of roof structure to allow for continuous hoist track installation. Occupational Therapist, Cumberland Housing renewals to provide hoist specification and manufacturer.



SECTIONAL ELEVATION THROUGH SHOWER ROOM

SCALE BAR 1/200 ORIGINAL DRAWING SIZE A3	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0 metres	80.0 metres	70.0	60.0	50.0	40.0	30.0	20.0	10.0	0.0	SCALE BAR 1/500
SCALE BAR 1/100	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres	400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500
SCALE BAR 1/50	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres	400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500

Alteration and Extensions at 8 Crummock Ave, Woodhouse, Whitehaven, Cumbria CA28 9NF For Mrs Sharon Graham.

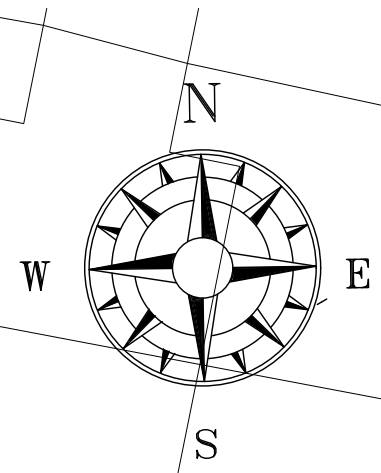
PROPOSED SECTIONAL ELEVATIONS

ALTERATION AND EXTENSION FOR ACCESSIBLE GROUND FLOOR BEDROOM AND SHOWER ROOM

Scale: 1/50@ A3
Date: DEC 2023
DWG No. 23/0398/6

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CRUMMOCK AVENUE

PROPOSED BLOCK PLAN

Drainage.

Connections and Discharges.

There are existing drainage connections for foul and surface water. These are to be surveyed recorded and investigated for suitable reuse with the approval of Building Control and the service provider (United Utilities).

Where existing drains/sewers pass under the area of new construction, the drains should be excavated for inspection in the presence of Building Control to establish if they are fit for the purpose, should the drains be suitable, they are to be surrounded with a 150 mm diameter concrete sleeve with Flexcell expansion joints at every pipe junction.

Where these drains are sewers under the control of the utility services provider (United Utilities Limited)

The employer is to enter into a Building over agreement with the service provider and meet their specification for building over the sewer.

General Drainage Specification:

All new drains will be designed to comply with BS EN 752. New soil and surface water drainage: Hepworth Supersleeve or similar spun clay 100/150/225 mm. diameter pipes with u.p.v.c. flexible sealed collars laid in clean square cut trenches at a gradient of not less than 1: 60 falls. Carefully back fill trenches with layered back fill strictly in accordance with the manufacturer's instructions. All fittings including manholes, inspection chambers, and back inlet gullies etc. to be from the same range and supplier. Set all preformed gullies and chambers on 150 mm. concrete bases and surround with 150 mm. sleeves. Fit gullies with plastic or galvanized grills. Fit manholes and inspection chambers with steel rims and covers, as supplied by the manufacturer set in mortar surrounds. Set manhole covers onto preformed r.c. covers where manholes internal size is greater than 450 mm. x 600 mm. which is the minimum acceptable internal dimension for a 900 mm. deep manhole.

Where new drains pass under the area of new construction the drains are to be surrounded to a minimum 150 mm concrete sleeve with Flexcell expansion joints at every pipe junction. Where drains are less than 1500 mm deep in traffic areas surround pipes in 150 mm concrete sleeve with Flexcell joints at each pipe joint or as otherwise recommended by the pipe manufacturers.

All drain lines are diagrammatic, and the final layout should be agreed on site with the Building Control Department.

Foul Drainage

New toilet shower and handbasin to modified foul drains new connections to back inlet trapped gullies to new access chambers to existing sewer.

Surface Water Drainage

Connect rainwater to existing drains/sewers.

Sanitaryware details:

All new sanitary appliances are to be connected as appropriate to the hot and cold water supplies. All hot water delivery pipes are to be insulated under floor with 50 mm pipe lagging. Connect all wastes to the new drainage layout with Marley Products Ltd. or similar waste system. Where wastes are longer than 4.0 metres in length fit Durgo or similar air admittance valves to the head of the line at the minimum height of the relevant appliance over flow.

Hot water temperatures are to be control by blending or other appropriate devices to less than 48 °C at output.

Plumbing waste layouts are to be designed by the installer to comply with BS EN 12056 Gravity Drainage Systems Inside Buildings Part 1 General Performance Requirements Clauses 3-6: Part 2 Sanitary Pipework Layout and Calculation Clauses 3 to 6 and National annexes NA to NG (System III for the United Kingdom) Part 5 Installation and testing instructions for operations, maintenance and use clauses 4-6,8,9, and 11 and BS EN 12109 Vacuum Drainage Systems Inside Buildings.

Building Regulations Part G Water.

Wholesome water will be provided from the mains supplier in the main road, metered by the service provider United Utilities Limited.

All sanitaryware is to be from a range designed to reach sustainable Code 3 for water efficiency to achieve standard water usage of not more than 125 litres per person per day fitted with a flow restrictor to achieve the same rate..

Within 5 days of practical completion the applicant should have provided the water efficiency calculations proving the water usage of the dwelling complies with the regulations.

Electrical Installations.

All electrical installations are to be designed and carried out by a suitably qualified Electrician or Electrical Engineer, the system is to be designed and tested as defined by BS 7671: 2001 Chapter 13. or an equivalent standard. these works are to be undertaken by a person registered with an electrical self certification scheme or alternatively by a suitably qualified person with a certificate of compliance produced by that person to Building Control upon completion of the works.

Full registration details are to be submitted to Building Control prior to installation the Electrician must be registered with a self-registration scheme authorized by the Secretary of State. Where self certification is accepted the works commissioners should receive a signed Building Regulation self-certification certificate after installation and testing.

All materials used in the installation are to bear the "CE" mark for the relevant EEC directive regarding the use of Electric supplies, Low voltage and Extra low voltage supplies.

All electric design work is to take into account the requirements of all other Parts of the Building Regulations which may be affected by the electrical installations ie. Part M Accessibility. All light switches are to be no higher than 1200 mm above the finished floor level and all power sockets are to be min. 450 mm above finished floor level.

Energy efficient lighting.

All new rooms created are to be fitted with dedicated efficiency light fittings. All external lighting is to be movement sensor controlled and fitted with dedicated high efficiency light fittings.

Mechanical Ventilation.

Supply and fix electric light switch operated extract fans to outside air with 20 minute overrun to the following including all ducting, damping, and external grills.

Utility and hobbies rooms.....150 mm dia 45 l/s minimum extract rate.

Shower room and toilet.....100 mm. dia. 15 l/s min. extract rate.

Central Heating

The existing building has an existing full heating and hot water supply from the existing gas boiler installation. The heating is via a low pressure radiator system which is to be extended. The hot water supply will be from direct mains water supply direct from the boiler or as otherwise recommended by the consultant electrical and mechanical engineer.

As part of the works the existing boiler will be tested for safety compliance and capacity to conform to the minimum standards of the Building Regulations and current energy performance, installation, and safety standards legislation.

The existing hot water and central heating services are to be extended into the new extension

Gas.

All works carried out to the gas supply and heating systems are to be carried out and commissioned by a suitably qualified and registered Gas Safe installer, in a recognised self-certification scheme. Details of the plumbing service installer are to be noted on the installed equipment, with full registration details.

SCALE BAR 1/200 ORIGINAL DRAWING SIZE A3	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0 metres	80.0 metres	70.0	60.0	50.0	40.0	30.0	20.0	10.0	0.0	SCALE BAR 1/500
SCALE BAR 1/100	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0 metres	400.0 metres	350.0	300.0	250.0	200.0	150.0	100.0	50.0	0.0	SCALE BAR 1/2500
SCALE BAR 1/50	0.0	1.0	2.0	3.0	4.0	5.0 metres															

Alteration and Extensions at 8 Crummock Ave, Woodhouse, Whitehaven, Cumbria CA28 9NF For Mrs Sharon Graham.

BLOCK PLAN PROPOSED

ALTERATION AND EXTENSION TO REPLACE EXISTING GARAGE AND UTILITY ROOM

Scale: 1/200@ A3
Date: DEC 2023
DWG No. 23/0398/7

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