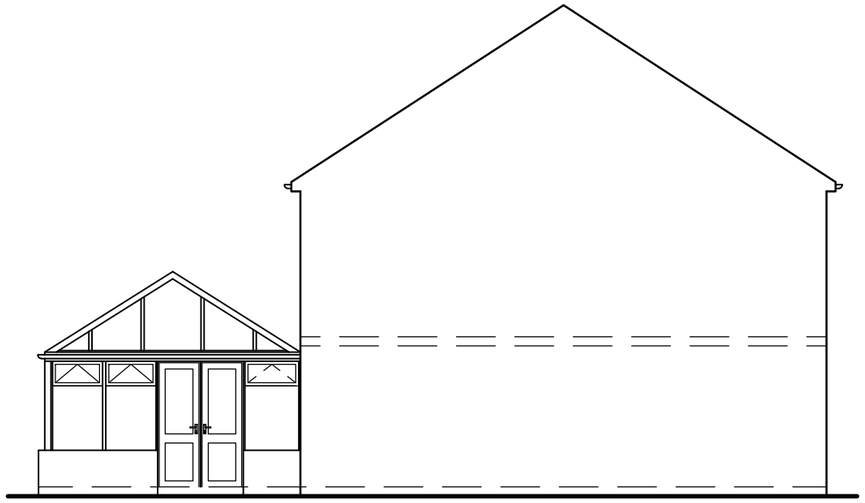
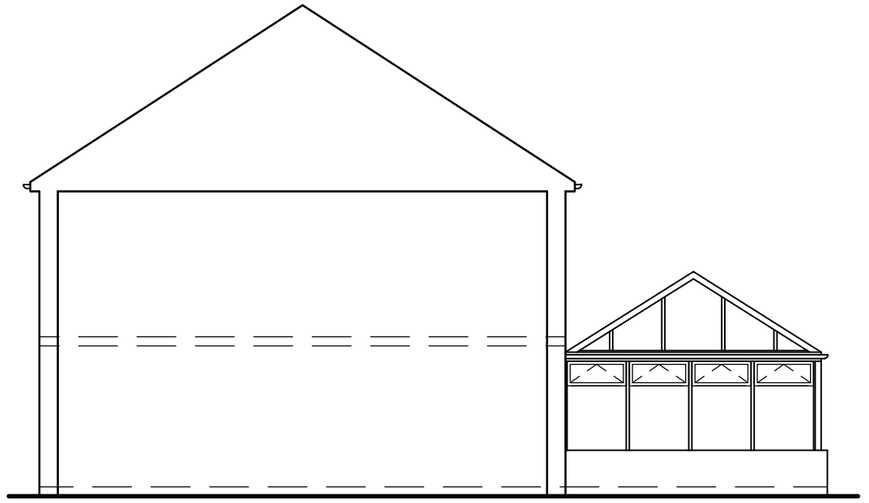
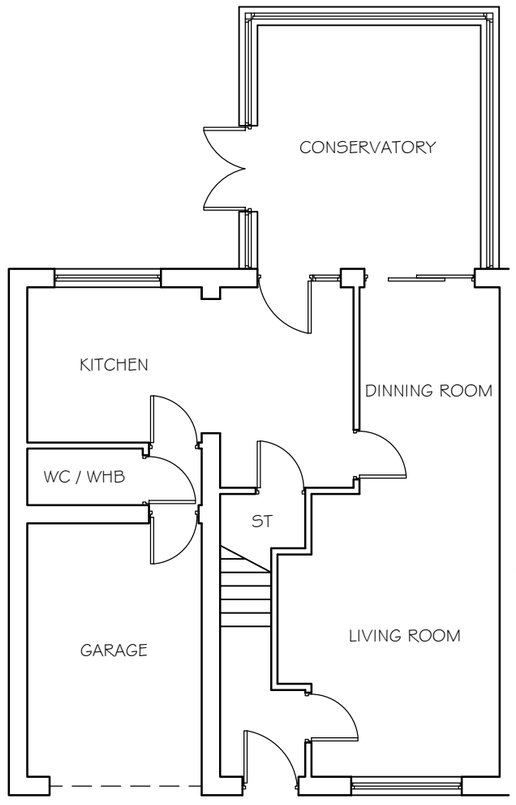
EXISTING REAR ELEVATION



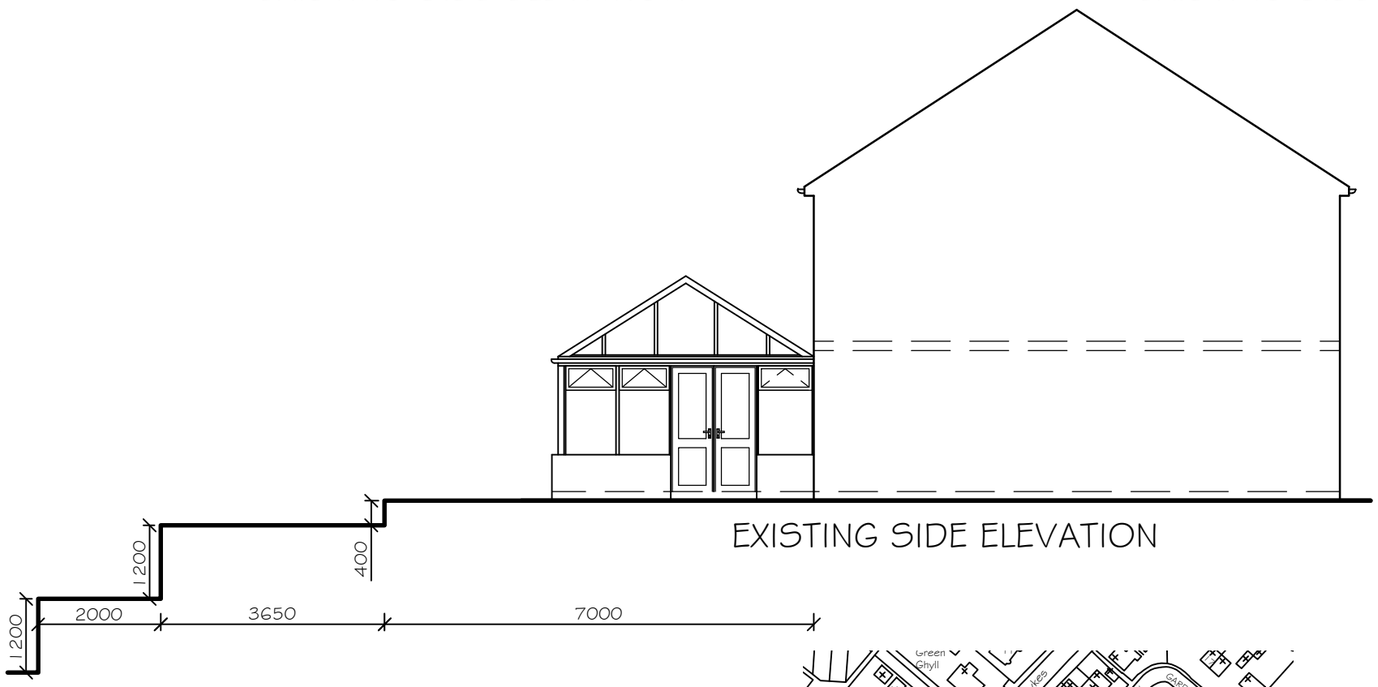
EXISTING SIDE ELEVATION



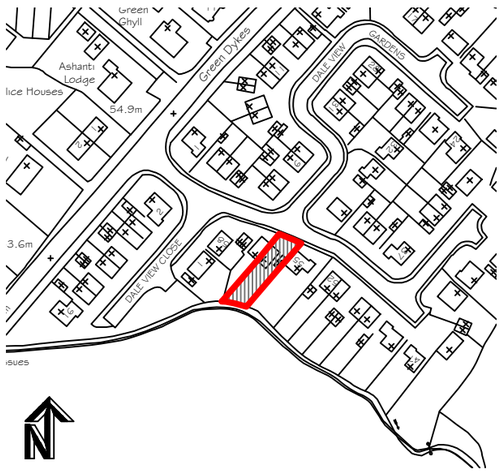
EXISTING SIDE ELEVATION



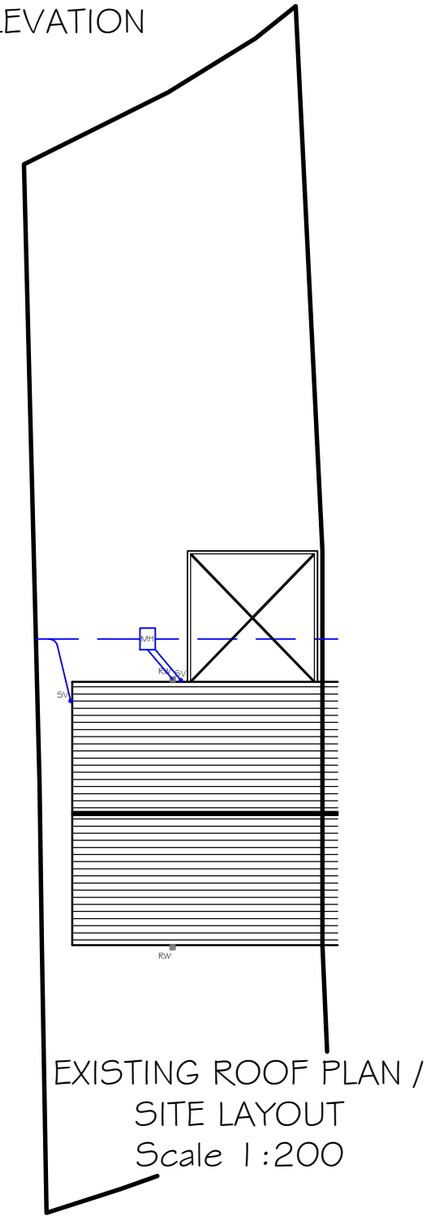
EXISTING GROUND FLOOR



EXISTING SIDE ELEVATION

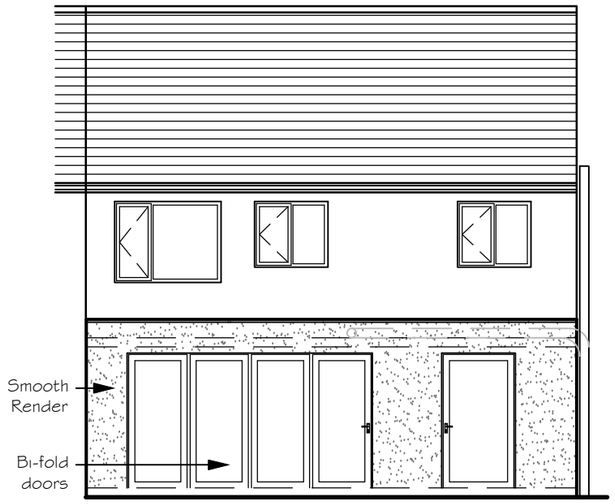


LOCATION PLAN - Scale 1:2500

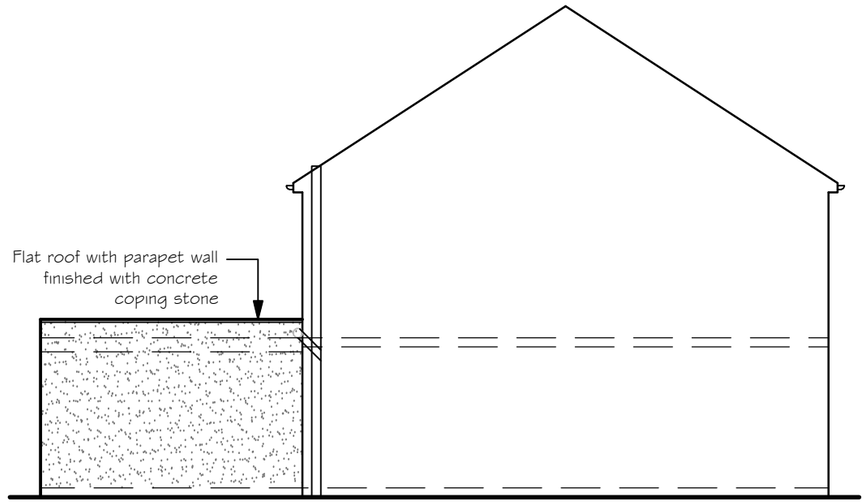


EXISTING ROOF PLAN / SITE LAYOUT
Scale 1:200

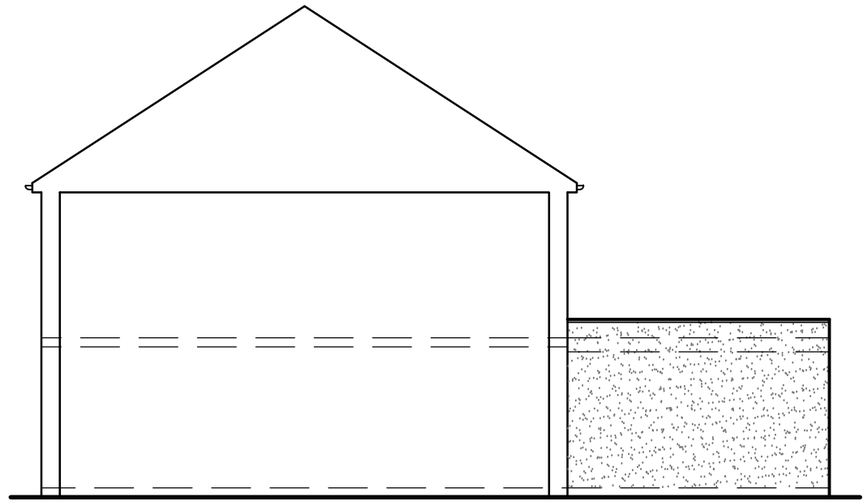
Client: J Machin & N Richardson
Address: 56 Daleview Gardens, Egremont, CA22 2LN
Scheme: Single Storey Rear Extension
Drawing: Location & Existing Layouts
Scale: 1:100
Date: January 2021
Drawing No: 1/001A



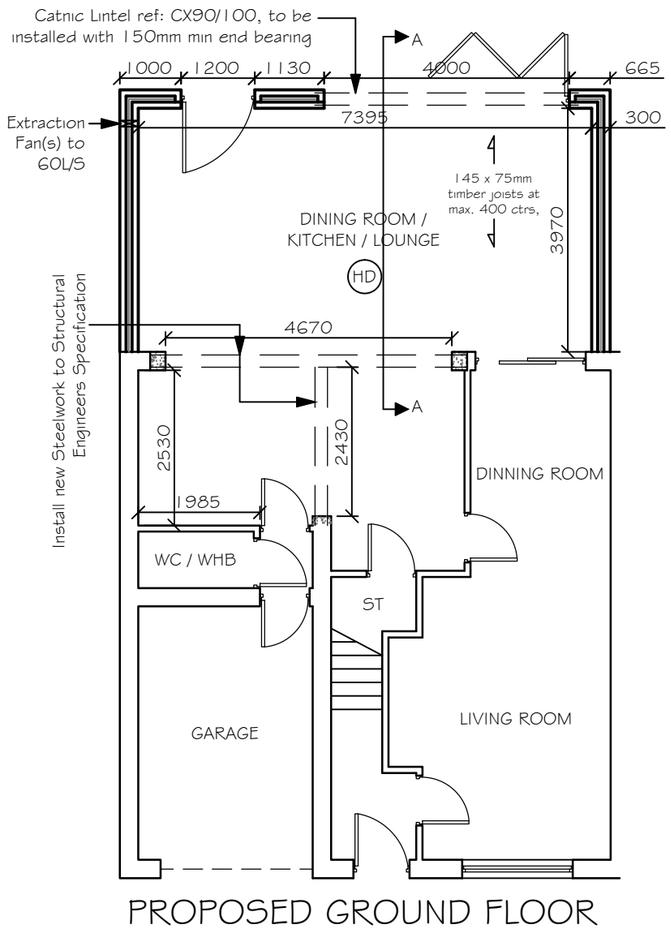
PROPOSED REAR ELEVATION



PROPOSED SIDE ELEVATION



PROPOSED SIDE ELEVATION



PROPOSED GROUND FLOOR

Proposed Extention:
Finish - Render to match existing
Roof - Timber rafters with concrete roofing tiles, to match existing
Windows / Doors - UPVC Framed double glazed glazing, with opening sashes as shown, Anthracite to match existing

Steel Beams / Prefabricated Lintel: All steelwork is to be encased with plasterboard and skim to provide min. 30mins fire resistance.

Mechanical: All space and water heating will be extended on the existing system with thermostatic valves and controls supplied and installed in accordance with BS5440, BS5546 and BS6798 accordingly, with pipe work insulated in accordance with BS5422. All is to be installed by a GAS SAFE Registered engineer with copies of appropriate certification provided on completion.

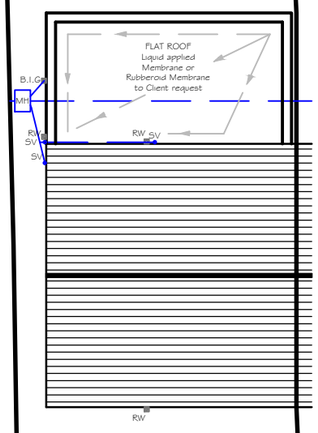
Electrical: All new electrical work is to be designed, installed, inspected and tested in accordance with B7671 (I.E.E. Wiring Regulations 18th Edition). The works are to be undertaken buy an installer registered under a suitable electrical self-certification scheme, or alternatively by a suitably qualified person, with a certificate of compliance produced by that person to Building Control on completion of the works. All new rooms will be fitted with high efficiency light fittings, with lamps having a luminous efficacy greater than 45 lumens per circuit-watt.

Drainage: Ventilation Stack to Foul Drainage to be 100mm min Ø UPVC Stack, finished min 900mm above all openings within 3m, capped with vent grill to allow continuous air flow. Staggered branch connections to be spaced at 200mm min centres, for WC and Sink / Bath waste. All waste plumbing is to be 100mm dia. to min falls of 1:40, gutters to also be 100mm dia. into min. 75mm outlets, all in accordance with BS EN 12056.

Fire Detection System: All new smoke and heat detectors are to be interlinked and mains-operated (with battery backup power) to Grade D Category LD3 Standard in accordance with BS5839-6(2004).

Existing SV pipe to be redirected to the side of the house, discharging into new manhole connecting with existing drainage run as shown. B.I.G installed to capture kitchen waste.

Rainwater outlets to be as indicated falling into gullies and connecting into existing system, with invert levels so that proposed drainage runs, run into the existing at falls of 1:40.



PROPOSED ROOF PLAN / SITE LAYOUT
Scale 1:200

Client: J Machin & N Richardson
Address: 56 Daleview Gardens, Egremont, CA22 2LN
Scheme: Single Storey Rear Extension
Drawing: Proposed Layouts
Scale: 1:100
Date: January 2021
Drawing No: 1/002A

J Machin & N Richardson	Client:
56 Daleview Gardens, Egremont, CA22 2LN	Address:
Single Storey Rear Extension	Scheme:
Section A-A	Drawing:
as shown	Scale:
January 2021	Date:
1/003A	Drawing No:

All proposed steel lintels to openings are to be prefabricated lintels by Catnic with a minimum 150mm end bearing, as specified. Catnic will provide verification for the lintels in due course.

Wall construction generally to be, Inner Leaf 100mm 7N/mm2 solid concrete blockwork with 375kg/m2 12.5mm plasterboard finish, 50mm Celotex CW4000 insulation clipped to the inner leaf to provide U-Value of 0.28W/m2K, 100mm 7N/mm2 solid concrete blockwork, 20mm render finish. Wall ties to be vertical stainless steel twist type, at centres of 750mm horizontally and 450mm vertically, vertical centres to be reduced to 300mm around Jambs and openings. Where external walls are positioned at less than 1000mm from the relevant boundary, the wall construction will provide a minimum 30mins fire resistance from both internal and external environments using Plaster board & skim and Concrete Blockwork respectively, which meet a Class '0' rating as per table A8, and with all openings in accordance with diagram 20 of Part B volume 1 of the Building Regulations 2006

All proposed steel lintels to openings are to be prefabricated lintels by Catnic with a minimum 150mm end bearing, as specified. Catnic will provide verification for the lintels in due course.

112.5mm Hyload Ruberoid dpc min 150mm above G.L min 100mm laps as required.

Air brick(s) connected to Telescopic underfloor vents, linked to 100mm underfloor ducting within hardcore to provide continuous flow of air to existing timber floor

Weak mix cavity infill at least 225mm clear wall cavity depth of dpc

Backfill with selected fine grade material

Excavate to clay and lay 600 x 200mm concrete strip foundations

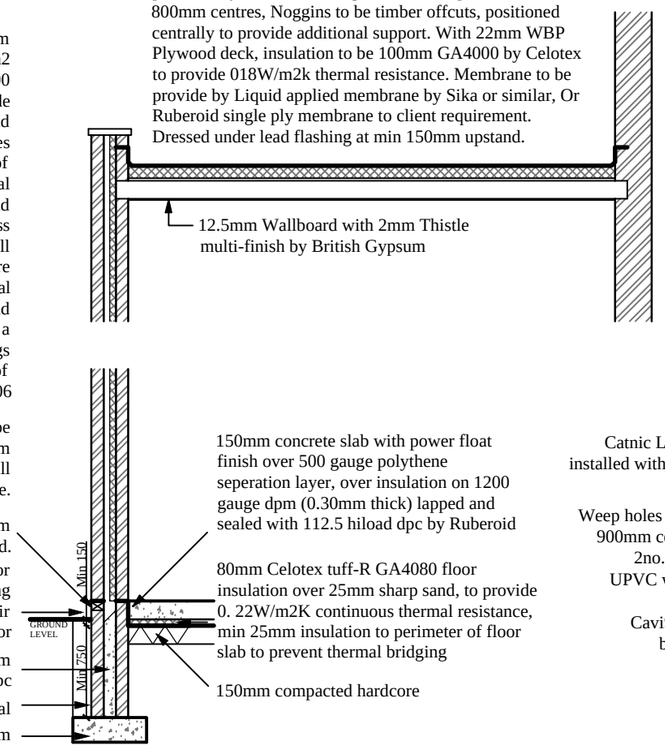
145 x 75mm (C24) timber joists supported onto inner leaf of external walls, at max 400mm ctrs, Lateral support to be provided by 30 x 5mm m/s galvanised straps at min of 800mm centres, Noggins to be timber offcuts, positioned centrally to provide additional support. With 22mm WBP Plywood deck, insulation to be 100mm GA4000 by Celotex to provide 018W/m2k thermal resistance. Membrane to be provide by Liquid applied membrane by Sika or similar, Or Ruberoid single ply membrane to client requirement. Dressed under lead flashing at min 150mm upstand.

12.5mm Wallboard with 2mm Thistle multi-finish by British Gypsum

150mm concrete slab with power float finish over 500 gauge polythene seperation layer, over insulation on 1200 gauge dpm (0.30mm thick) lapped and sealed with 112.5 hiload dpc by Ruberoid

80mm Celotex tuff-R GA4080 floor insulation over 25mm sharp sand, to provide 0. 22W/m2K continuous thermal resistance, min 25mm insulation to perimeter of floor slab to prevent thermal bridging

150mm compacted hardcore



SECTION A - A - Scale 1:50

DPC

Catnic Lintel ref: CX90/100 to be installed with 150mm min end bearing

Weep holes are to be installed at max 900mm centres perpendicular, min 2no. Weep holes per opening.

UPVC window board as window

Cavi90 Type H Cavity closers by Cavity Trays of Yeovil

All UPVC windows and doors to be manufactured & installed to manufacturers specification, double glazed glazing 16mm air gap with low 'E' glass.

All new windows to (new) habitable rooms to have trickle ventilators providing a min 8000mm2 free ventilation and 4000mm2 to (new) kitchens and bathrooms.

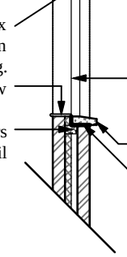
Where glazing is below 800mm high to windows and below 1500mm to doors, toughened glazing units shall be installed to ensure safe breakage as defined in BS 6206.

All windows are to have a U-value of 1.6w/m2k, doors with more than 50% glazing will have a U value of 1.8w/m2k and all other doors will have U-value of 1.8w/m2k.

UPVC window(s) manufactured & installed to manufactures specification, double glazed glazing 16mm air gap with low 'E' glazing

External concrete sill with drip groove

DPC



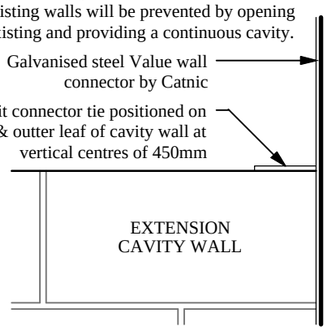
Note: Damp penetration at abutments with existing walls will be prevented by opening existing and providing a continuous cavity.

Galvanised steel Value wall connector by Catnic

Loose fit connector tie positioned on inner & outter leaf of cavity wall at vertical centres of 450mm

EXISTING BUILDING

EXTENSION CAVITY WALL



EXTENSION ABUTMENT DETAIL - Scale 1:10

Weak mix cavity infill at least 225mm clear wall cavity depth of dpc

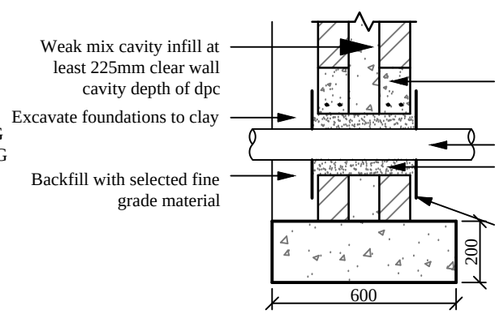
Excavate foundations to clay

Backfill with selected fine grade material

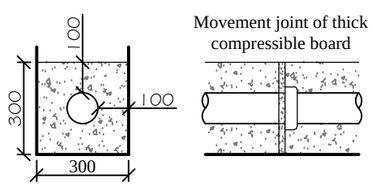
Concrete Lintel with min 150mm end bearing, to create opening round Drainage pipe, with min 50mm clear space all round

Existing drainage pipe to sewer 50mm void filled with compressible sealant to prevent entry of gases

19mm WBP Ply cut round pipe



PENETRATION OF PIPES CONSTRUCTION DETAIL - Scale 1:20



Movement joint of thick compressible board

ENCASEMENT FOR PIPEWORK CONSTRUCTION DETAIL - Scale 1:20

UPVC pipe underground bedded with falls of 1:40, to inspection chamber and main drain.

All existing and proposed drainage works to be tested as necessary.

All drainage depths to be confirmed on site.

600 x 450mm light duty cover & frame bedded in Cement, externally

1no. course brickwork

100mm precast concrete slab

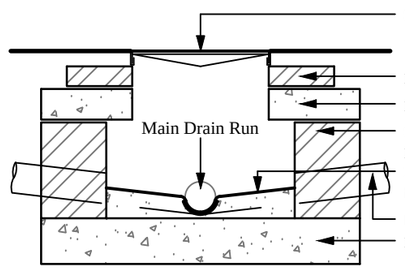
Main Drain Run

Class B brickwork bedded in 1:3 mortar laid in english bond

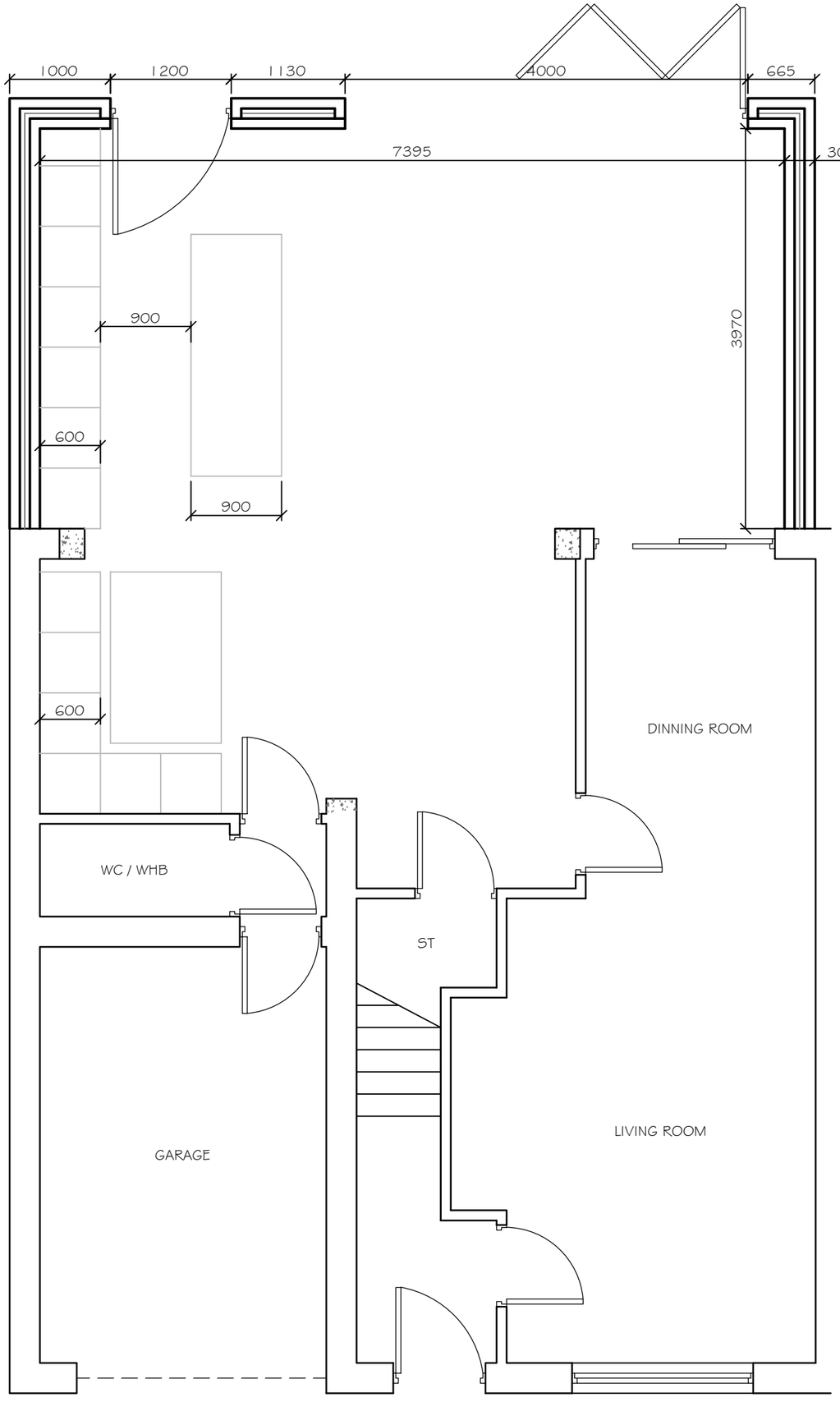
25mm sand & cement (1:1) topping to 1:6 falls over mass concrete benching

Branch drain

150mm concrete base (1:3:6)

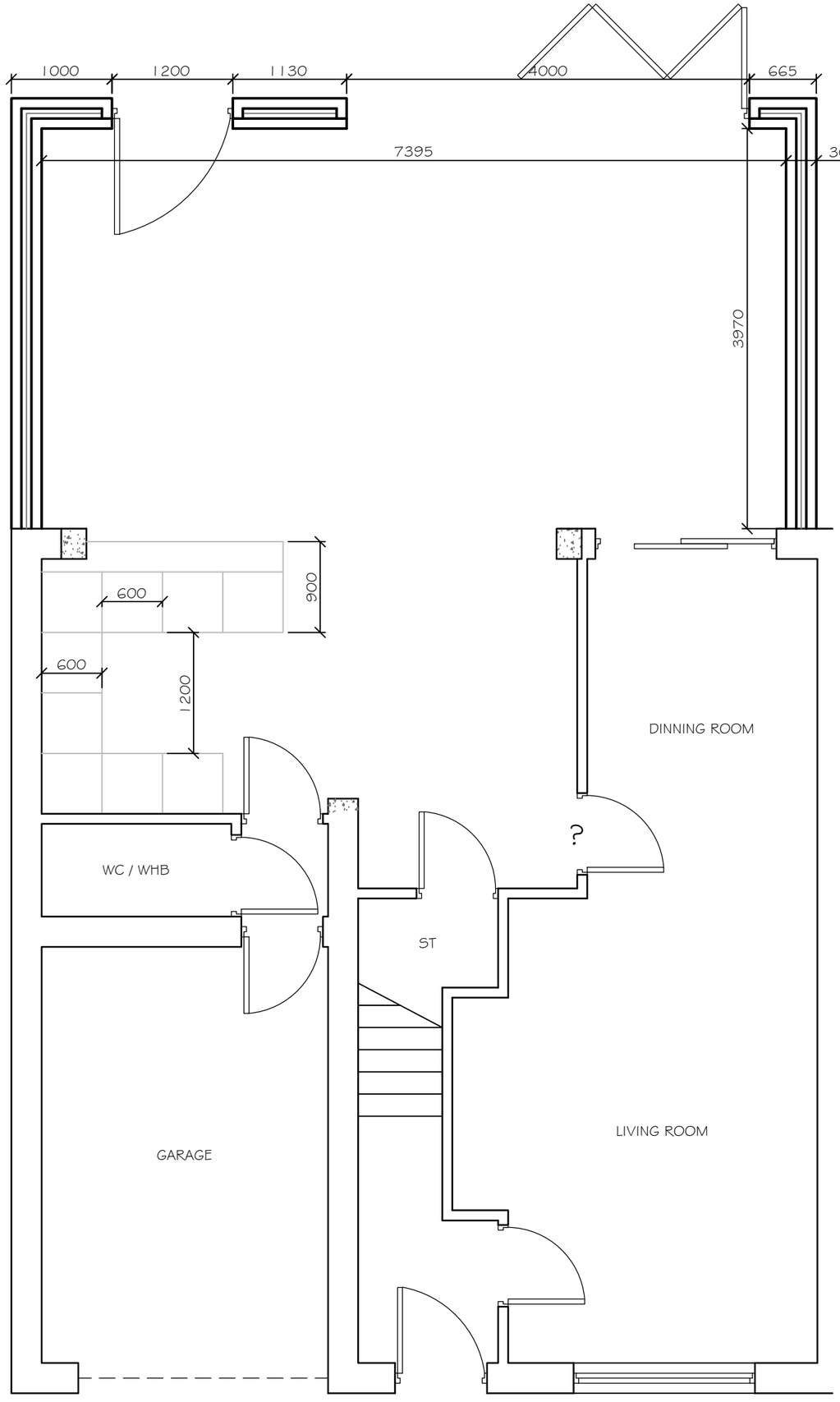


INSPECTION CHAMBER CONSTRUCTION DETAIL - Scale 1:20

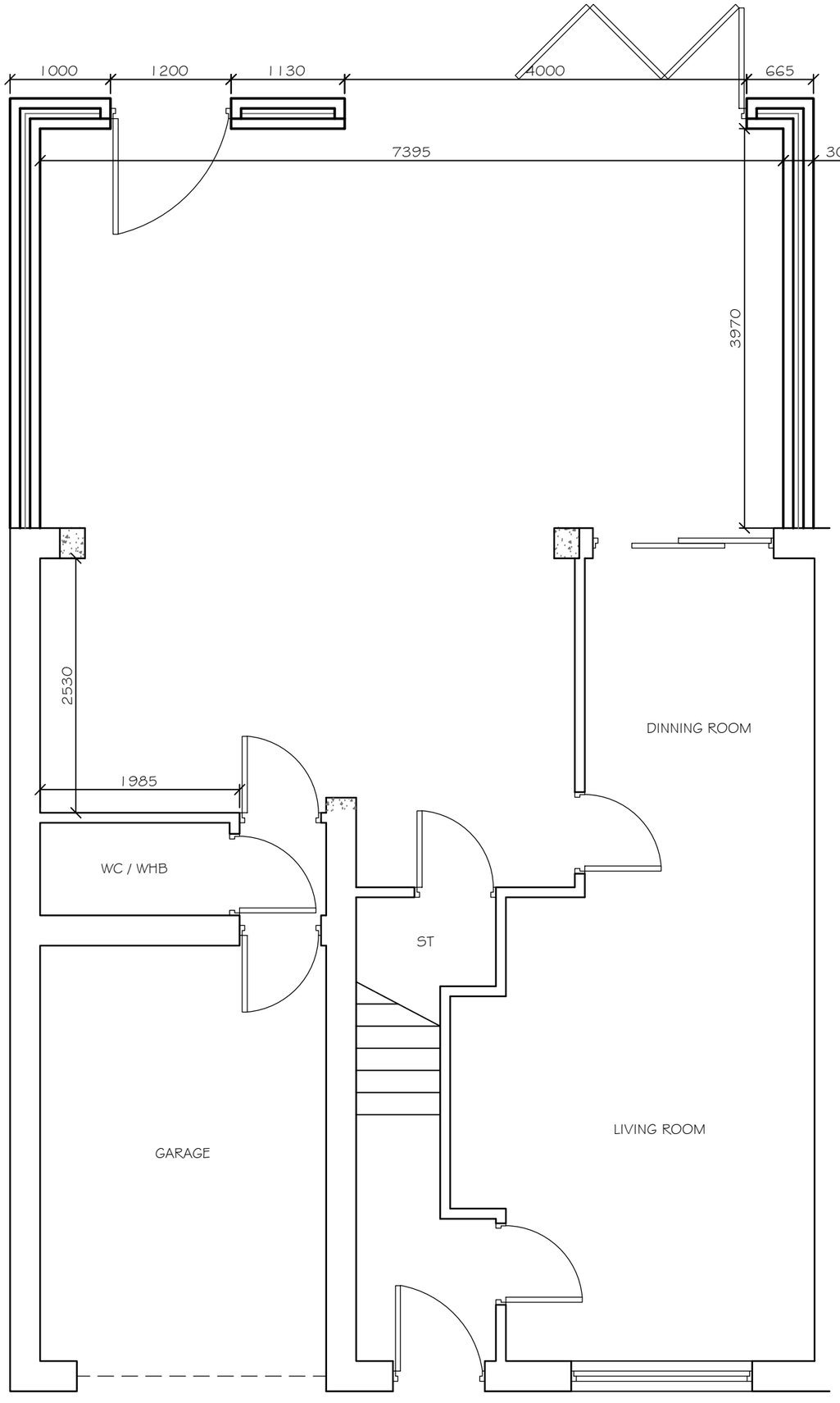


PROPOSED GROUND FLOOR

SCALE - 1:50

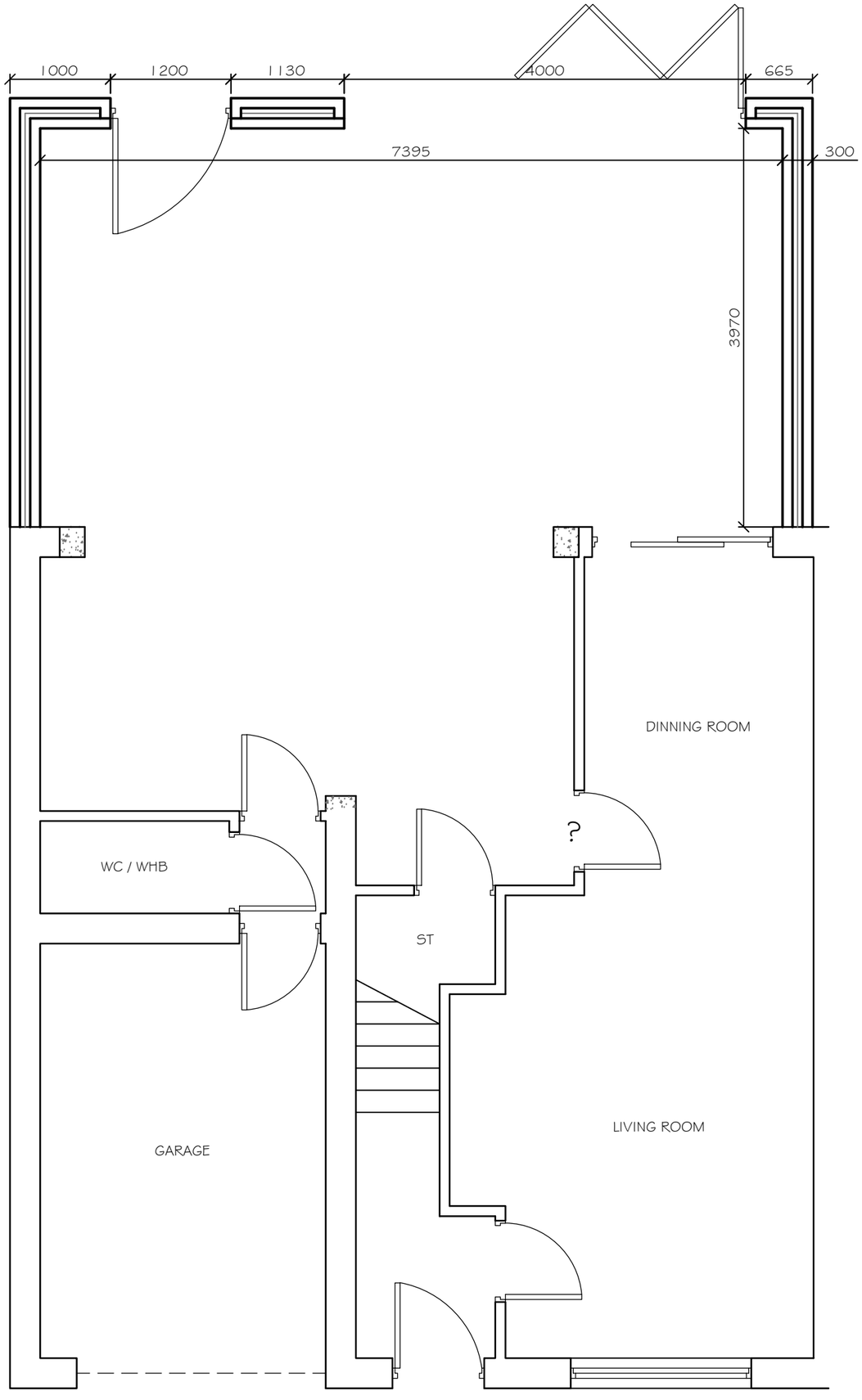


PROPOSED GROUND FLOOR



PROPOSED GROUND FLOOR

SCALE - 1:50



PROPOSED GROUND FLOOR