Date	09.08.21	03.09.21																	
Issue	1	2																	

Drawing Number	Document Title	Scale	Paper Size	Revision															
100	Ground Floor Plan	1:50	A2	P1	T1														
101	First Floor Plan	1:50	A2	P1	T1														
200	Structural Details	1:20	A3	P1	T1														
-	Structural Specification	-	A4	A	-														
-	Structural Calculations	-	A4	-	A														

Distribution — Issue (E denotes electronic issue)

David Stanley	E	E																	

Revision prefixes: P — Preliminary T — Tender C — Construction R — Record

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Title:	Issue:
Document Register	2
Project:	**Job No:**
Flat 4, 129 Camberwell Street	7393
By:	**Sheet:** / **Date:**
HC	1 of 1 / 03.09.21

All cutouts to be cleanly disc cut using non percussive hand tools. Beams and lintels to be tightly dry packed into position

Unhatched walls are non-load bearing and are to be constructed to Architect's specification

30x5mm mild steel restraint straps to be installed at 1200mm horizontal centres, 1200mm long at all junctions between the floor plates and steelwork/masonry

U.N.O. All steelwork is to be grade S355, including plates and connections. Refer to Structural Specification

U.N.O. All bolts to be Grade 8.8

Existing timbers to be inspected for general condition, rot and decay. Contact Blue Engineering if poor condition found

WP = 100x100x10.0 SHS windpost

New cavity walls:
Both leaves = 100mm thick 3.6N/mm^2 blockwork with class (iii) mortar.
All masonry to be frost resistant below DPC

* Denotes junction between new and old masonry walls use Ancon Staifix Universal wall starter kit

D1

– – – – – – Indicates existing structure to be demolished

All Pad foundations to be as dimensioned with FND2 concrete mix or other approved by Building Control officer - depth of foundations to be minimum **1750mm** below ground level on virgin ground and as agreed with Building Control

All strip foundations to new extension to be 450mm wide trench filled with FND2 concrete mix. Foundations to extend to existing adjacent foundations - depth of foundations to be minimum **1750mm** below ground level on virgin ground and as agreed with Building Control. New trench foundation adjacent to neighbour's to be cast in 1000mm widths with 6no. 450mm long H12 dowels tying adjacent sections together. Concrete to set before next section is excavated

(BR) Denotes approximate position of drainage bridging detail. Drainage to be bridged with 2no ER2 Naylor lintels as specified and to bear a minimum 150mm onto foundations either side and to be tightly dry packed into position. Foundations to stop short of pipe a minimum 600mm either side. Pipes to be encased in a minimum 150mm pea shingle. Ground to be carefully hand dug around pipe - Refer to typical bridging Detail

Key

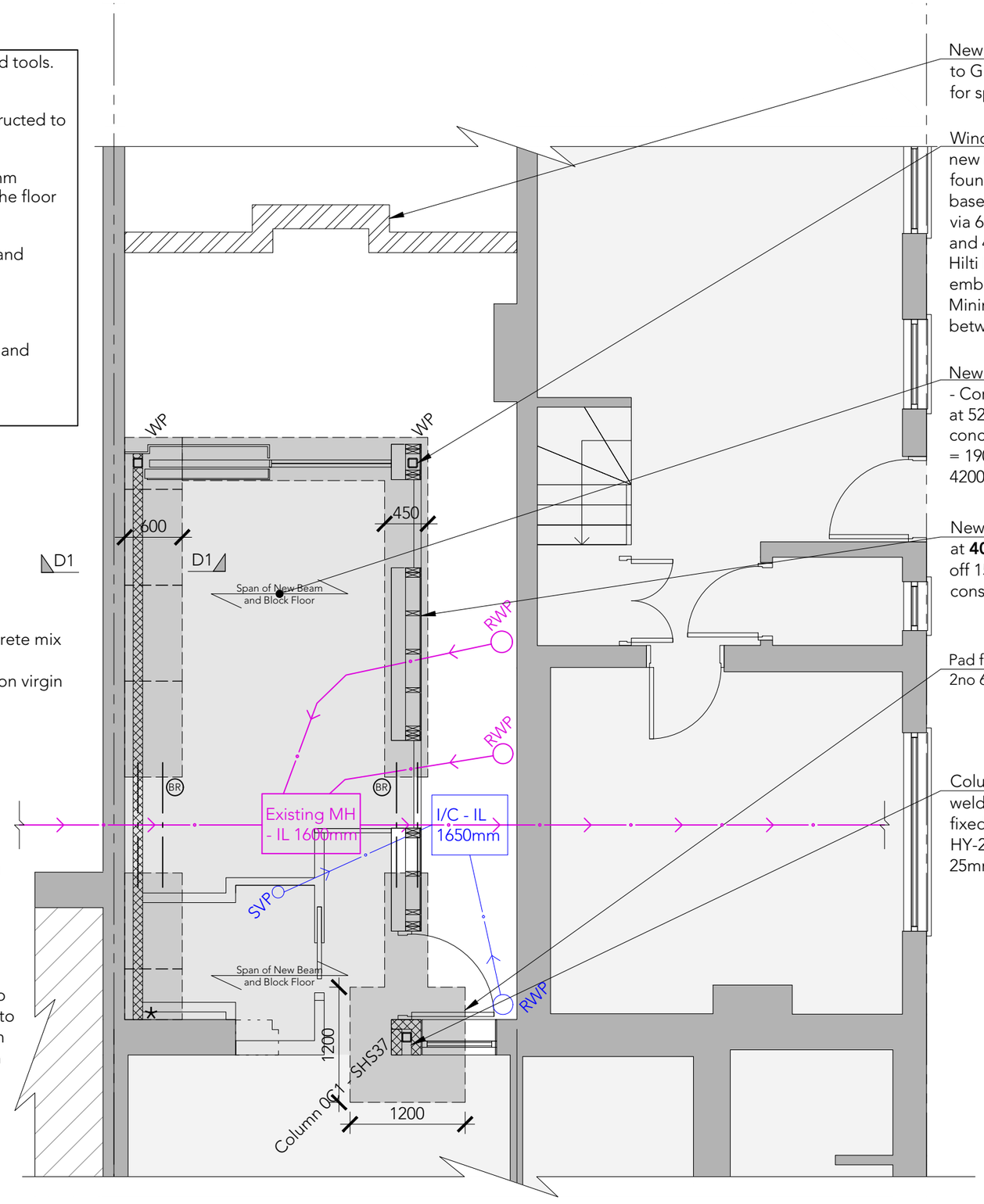
Denotes proposed drainage. 150mm outlet diameter

Denotes existing drainage (clayware

Minimum slope of all new drainage to be 1:40

SVP - Soil Ventilation Pipe - with Rodding Eyes
RWP = Rain Water Pipe
MH: Man Hole
I/C: New Inspection Chamber

A3



New garden retaining wall, refer to Garden Retaining Wall Detail for specification

Windpost to be fixed down to the new mass concrete trench fill foundations via 10mm thick steel base plate welded to the bottom via 6mm thick full face fillet weld and 4no. M16 resin anchors with Hilti HY-200 resin. Minimum embedment to be 150mm. Minimum 25mm thick dry pack between plate and foundation

New CEMEX Beam and Block floor - Condition A. 155mm deep beams at 520mm centres. 100mm thick concrete blocks (maximum density = 1900kg/m^3). Maximum span = 4200mm - Refer to detail

New timber external wall construction to be **150x50mm** C24 studs at **400mm** centres with 12mm ply on outside face. Wall to be built off 150x50mm sole and wall plates to be bolted to adjacent construction. Studs to be doubled up around openings

Pad foundation to be cast in two sections and ties together using 2no 600mm long H10 dowels and 200mm vertical centres

Columns **throughout** to have 15mm thick steel base plate welded to the bottom via 6mm thick full face fillet weld and fixed to foundation via 4no. M16 resin anchors with Hilti HY-200 resin. Minimum embedment to be 150mm. Minimum 25mm thick dry pack between plate and foundation

Proposed Steelwork Schedule	
Ref.	Serial Size
SHS 37	100 x 100 x 10.0 SHS

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Drawing History

Rev	Date	Description	Drawn	Checked
P1	09.08.21	For Comment	HC	RE
T1	03.09.21	For Tender	HC	MC

Title
Ground Floor Plan

Project
Flat 4, 129 Camberwell Street, SE5 0HB

Client
Kathryn Bryant

Job No.
7393

Drawing No.
100

Revision
T1

Scale
1:50 at A3

All cutouts to be cleanly disc cut using non percussive hand tools. Beams and lintels to be tightly dry packed into position

Unhatched walls are non-load bearing and are to be constructed to Architect's specification

U.N.O. All steelwork is to be grade S355, including plates and connections. Refer to Structural Specification

U.N.O. Steelwork to steelwork connections to be via 10mm thick end plates with 6mm full face fillet weld fixed into web of opposing beam using 4no. M16 bolts

U.N.O. All bolts to be Grade 8.8

Existing timbers to be inspected for general condition, rot and decay. Contact Blue Engineering if poor condition found

All doubled and trebled timber members to be bolted together using M12 bolts and double sided tooth connectors at 500mm centres

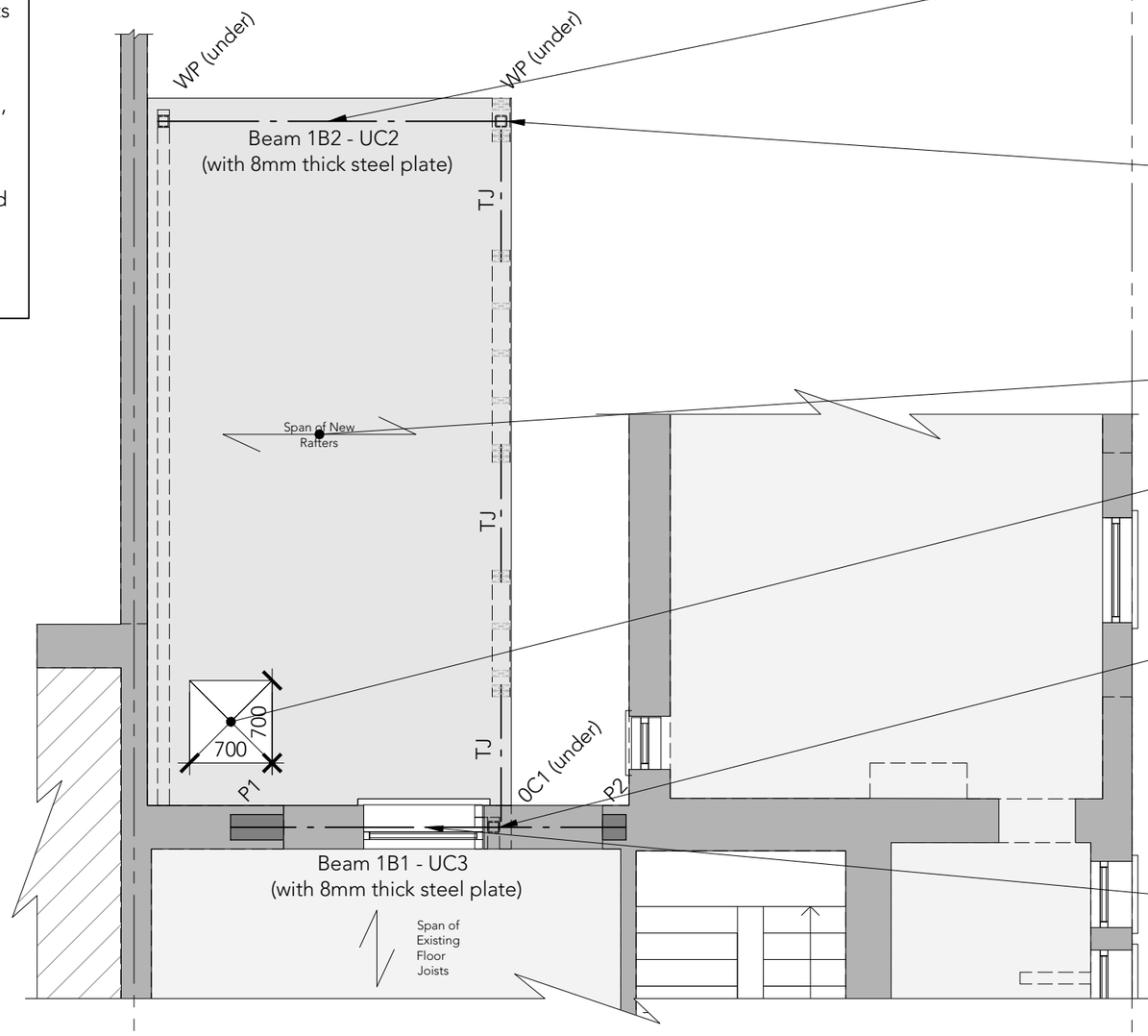
TJ = 3no. 150x50mm C24 joists

– – – – Indicates line of structure under

Padstone Schedule:
P1: 450x215x15mm thick steel plate
P2: 200x215x15mm thick steel plate

All padstones to be tightly dry packed into position

Proposed Steelwork Schedule	
Ref.	Serial Size
UC2	152 x 152 x 30 UC
UC3	152 x 152 x 37 UC



Beam to have 8mm thick steel plate welded to bottom flange with 6mm full face fillet weld. Plate to project outward to support external leaf of cavity wall. Beam and plate to be galvanised

Beam to bear onto windposts below and to be connected via 10mm thick steel endplate to be welded to column via 6mm thick full face fillet weld with 4no. M16 bolts through endplate and bottom flange of beam

New pitched roof construction to be **150x50mm D40** timber rafters at **400mm** centres

Openings in roof to be created by doubling up joists either side and introducing doubled up timber trimmers. Openings to be no larger than dimensioned

Beam to cantilever over column below and to be connected via 10mm thick steel endplate welded to column with 6mm thick full face fillet weld and 4no. M16 bolts through endplate and bottom flange of beam

Beam to have a 8mm thick steel plate welded to the top flange with 6mm full face fillet weld. Plate to match width of wall over

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Drawing History

Rev	Date	Description	Drawn	Checked
P1	09.08.21	For Comment	HC	RE
T1	03.09.21	For Tender	HC	MC

Title
First Floor Plan

Project
Flat 4, 129 Camberwell Street, SE5 0HB

Client
Kathryn Bryant

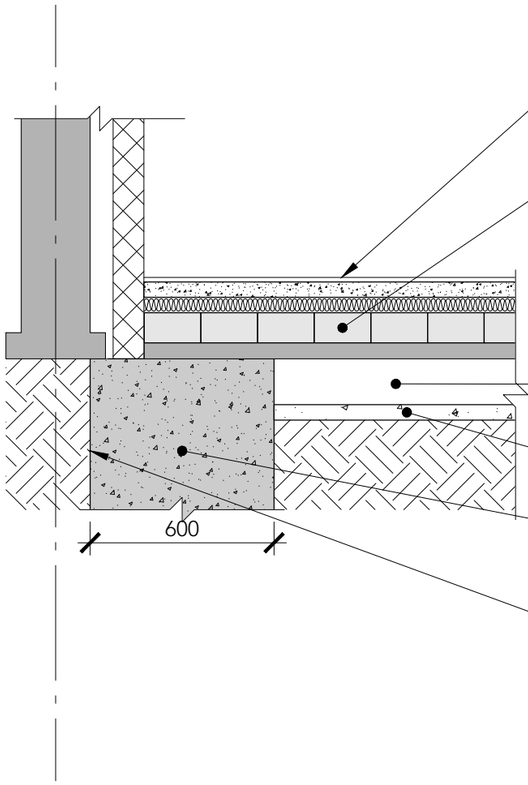
Job No.
7393

Drawing No.
101

Revision
T1

Scale
1:50 at A3

A3



Screed, insulation and finishes to Architect's specification

New CEMEX Beam and Block floor - Condition A. 155mm deep beams at 520mm centres. 100mm thick concrete blocks (maximum density = 1900kg/m³). Maximum span = 4200mm

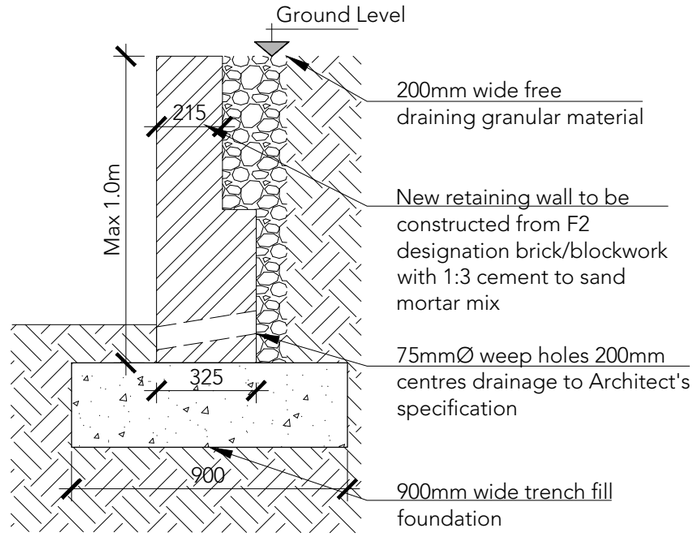
150mm ventilation void

50mm blinding layer

Refer to drawing 100 for foundation specification

Existing foundations shown indicatively

Detail D1
Scale 1:20



200mm wide free draining granular material

New retaining wall to be constructed from F2 designation brick/blockwork with 1:3 cement to sand mortar mix

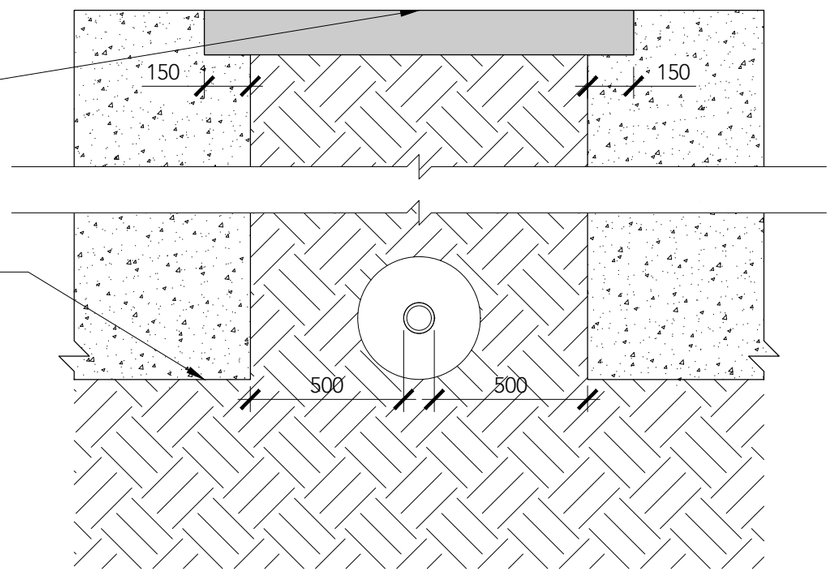
75mmØ weep holes 200mm centres drainage to Architect's specification

900mm wide trench fill foundation

Garden Retaining Wall Detail
Scale 1:20

2no. ER2 Naylor pre-stressed concrete lintels to bear a minimum of 150mm onto foundations either side

New trench filled foundations to stop a minimum of 500mm either side from the edge of the pipe and to be formed at the same depth as the invert level of the pipe



Typical Drainage Buildover Detail
Scale 1:20

A3

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Drawing History

Rev	Date	Description	Drawn	Checked
P1	09.08.21	For Comment	HC	RE
T1	03.09.21	For Tender	HC	MC

Title
Structural Details

Project
Flat 4, 129 Camberwell Street, SE5 0HB

Client
Kathryn Bryant

Job No.
7393

Drawing No.
200

Revision
T1

Scale
1:20 at A3