

200mm thk RC liner wall with 350 x 1000 RC underpinning



Note: Plunged columns to be restrained at max 3.0 m c/c and anchored min 1.5 m in pile.

Temporary Piles loadings:
(Service)
P1 - 200 KN
P2 - 200 KN
P3 - 150 KN
P4 - 200 KN
P5, P6 - 200 KN
P7 - 200 KN
P8, P9 - 100 KN
P10 - 250 KN
Total Shear on top of each pile = 50KN

Temporary Propping:
VB1 - 203 UC 60
D2, D3 - 203 UC 46

Temporary Piles:
P1 to P10 - 400mm Dia. piles + Plunged Columns (203 UC 86)

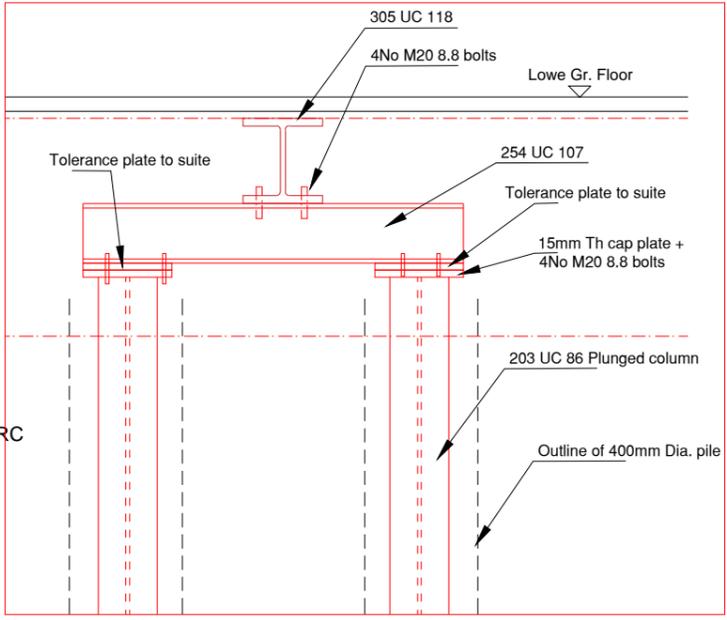
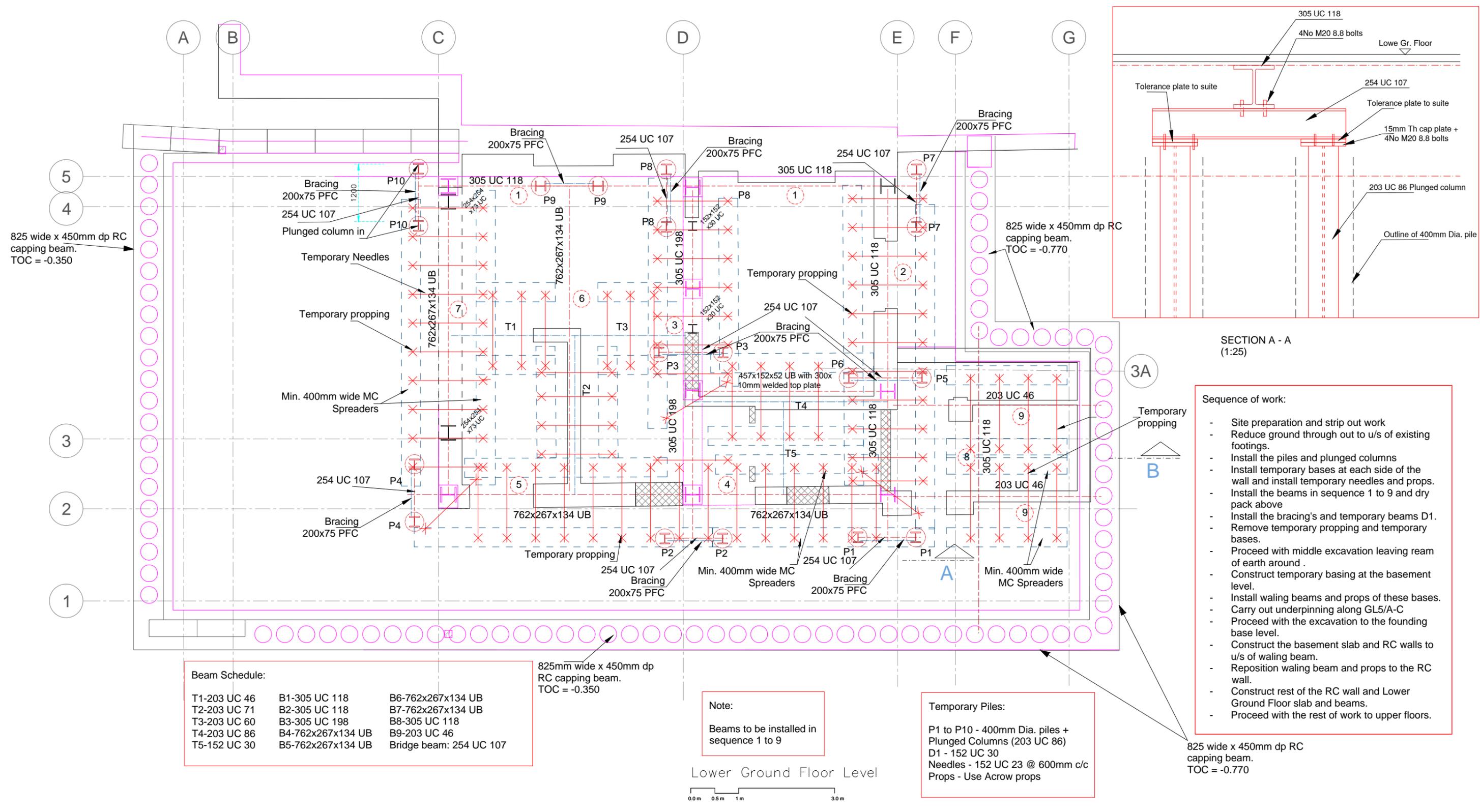
Information
General Notes
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Notes

Client
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Project
9 Hill Road
London NW9 9QE
Drawing Title
Basement Floor Plan
Scale
1:75@A3
Date
Feb. 2017

Client
-
Project
9 Hill Road
London NW9 9QE
Drawing Title
Basement Floor Plan
Scale
1:75@A3
Date
Feb. 2017
Job No.
1078
Drawing No.
TW01 - Rev. C

LIM ENGINEERING LTD
consulting engineers
15 Kinloch Drive, London, Nw9 7LL - Tel: 020 8205 1427
Fax: 020 8205 1427



SECTION A - A
(1:25)

- Sequence of work:
- Site preparation and strip out work
 - Reduce ground through out to u/s of existing footings.
 - Install the piles and plunged columns
 - Install temporary bases at each side of the wall and install temporary needles and props.
 - Install the beams in sequence 1 to 9 and dry pack above
 - Install the bracing's and temporary beams D1.
 - Remove temporary propping and temporary bases.
 - Proceed with middle excavation leaving ream of earth around .
 - Construct temporary basing at the basement level.
 - Install waling beams and props of these bases.
 - Carry out underpinning along GL5/A-C
 - Proceed with the excavation to the founding base level.
 - Construct the basement slab and RC walls to u/s of waling beam.
 - Reposition waling beam and props to the RC wall.
 - Construct rest of the RC wall and Lower Ground Floor slab and beams.
 - Proceed with the rest of work to upper floors.

Beam Schedule:

T1-203 UC 46	B1-305 UC 118	B6-762x267x134 UB
T2-203 UC 71	B2-305 UC 118	B7-762x267x134 UB
T3-203 UC 60	B3-305 UC 198	B8-305 UC 118
T4-203 UC 86	B4-762x267x134 UB	B9-203 UC 46
T5-152 UC 30	B5-762x267x134 UB	Bridge beam: 254 UC 107

Note:
Beams to be installed in sequence 1 to 9

Temporary Piles:
P1 to P10 - 400mm Dia. piles + Plunged Columns (203 UC 86)
D1 - 152 UC 30
Needles - 152 UC 23 @ 600mm c/c
Props - Use Acrow props

825 wide x 450mm dp RC capping beam.
TOC = -0.350

825 wide x 450mm dp RC capping beam.
TOC = -0.770

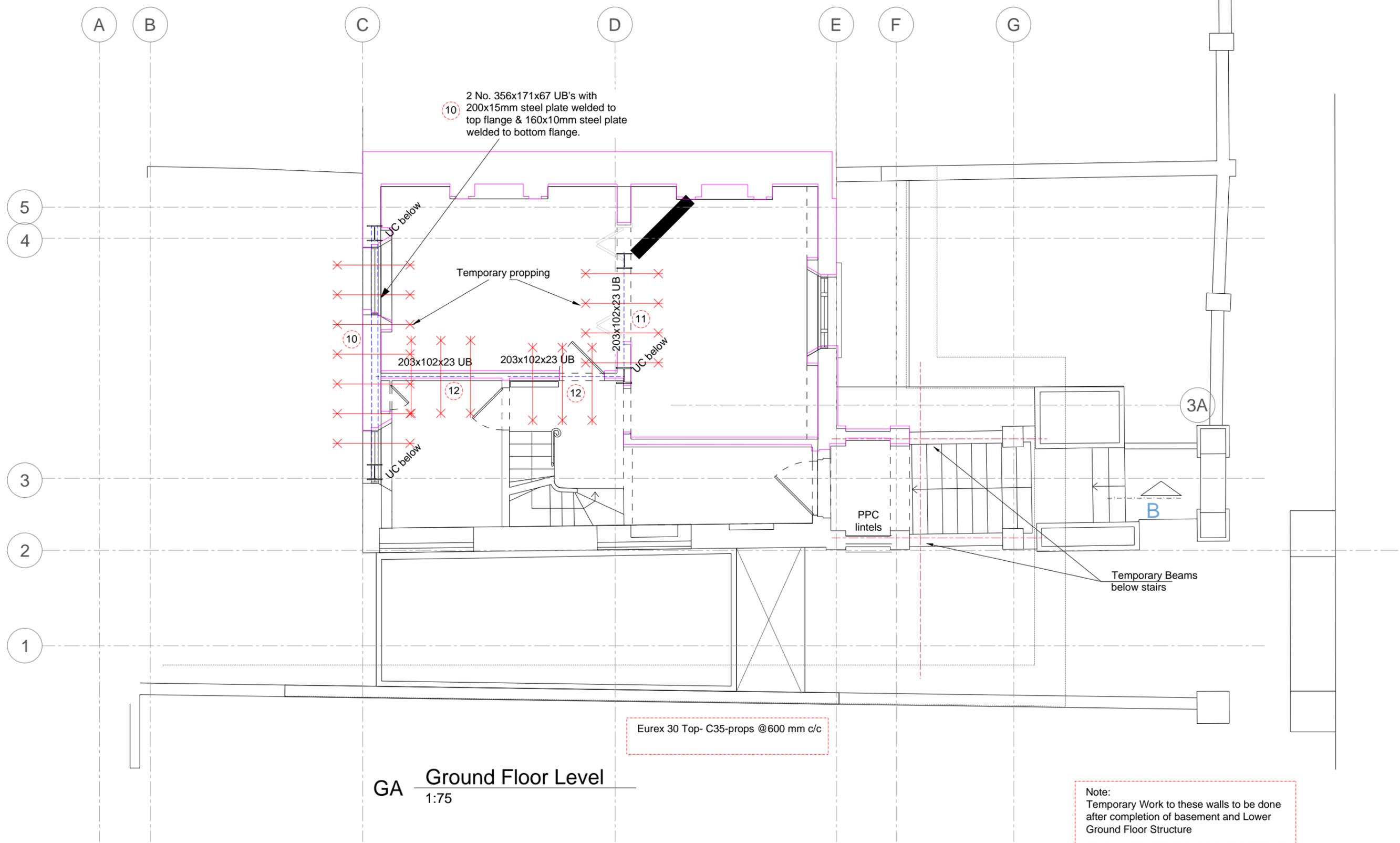
825 wide x 450mm dp RC capping beam.
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Building control
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Project
9 Hill Road
London NW9 9QE
Drawing Title
L. Ground Floor Plan
Scale
1:75@A3
Date
Feb. 2017

LIM ENGINEERING LTD
consulting engineers
15 Kinloch Drive, London, Nw9 7LL - Tel: 020 8205 1427
Fax: 020 8205 1427
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Notes

Client

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Project

9 Hill Road
London NW9 9QE

Drawing Title

Ground Floor Plan

Scale

1:75@A3

Date

Feb. 2017

Client

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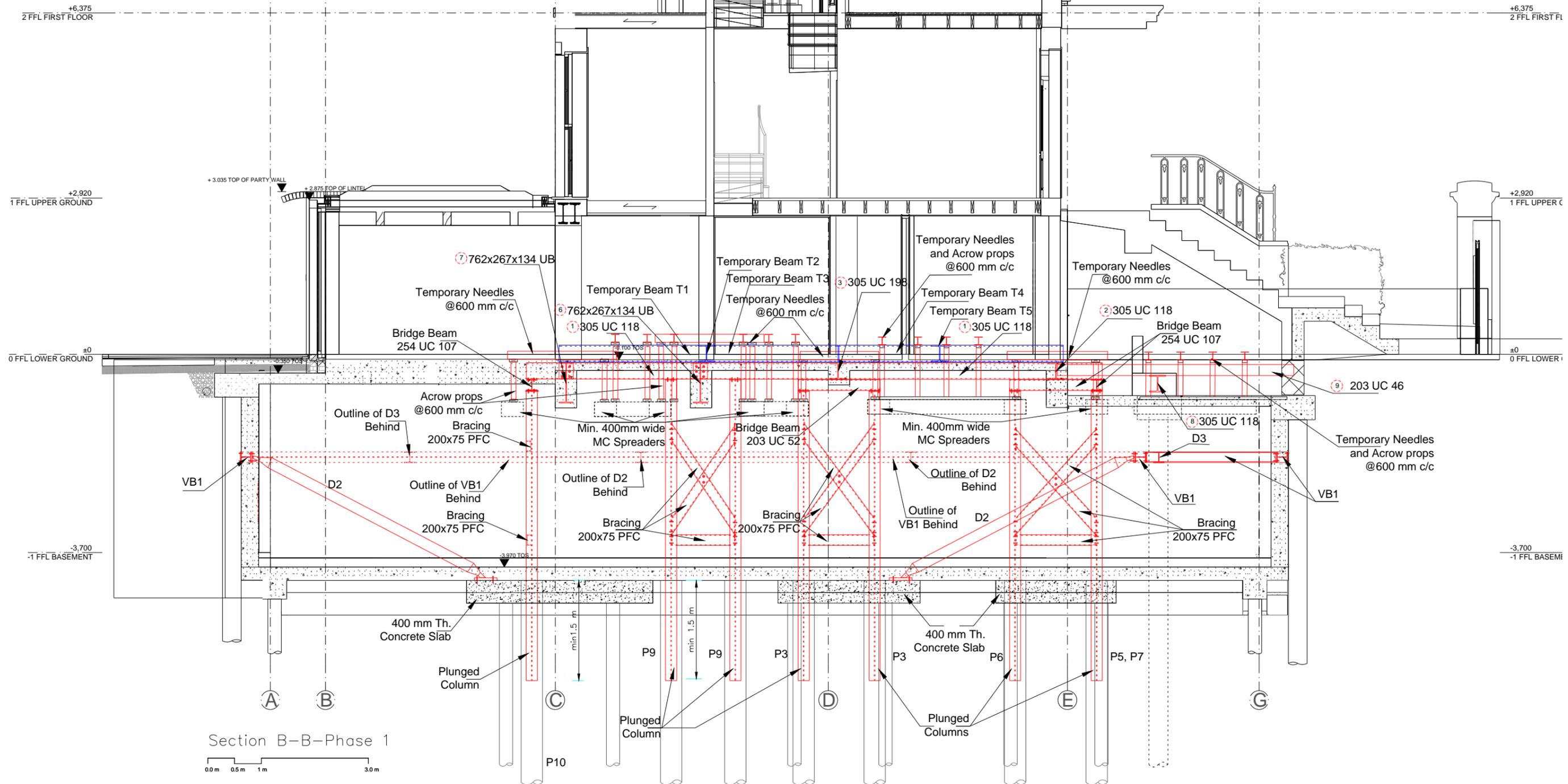
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Job No.

1078

Drawing No.

TW03 - Rev B



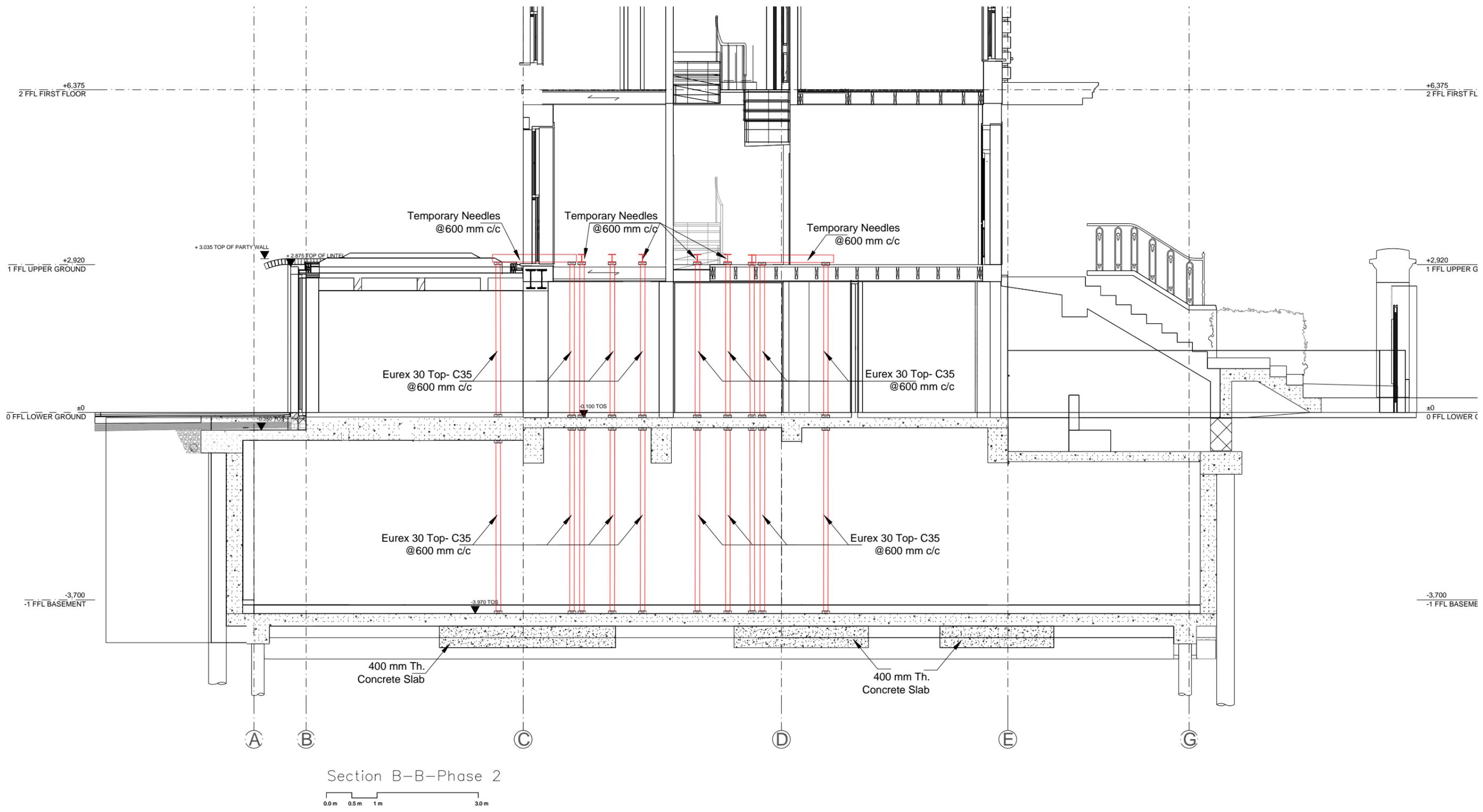
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 Project
 9 Hill Road
 London NW9 9QE
 Drawing Title
 Section B-B-Phase 1
 Scale
 1:75@A3
 Date
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LM ENGINEERING LTD
 consulting engineers
 15 Kinloch Drive, London, Nw9 7LL - Tel: 020 8205 1427
 Fax: 020 8205 1427
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Section B-B-Phase 2



Information

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Notes

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-

Project

9 Hill Road
 London NW9 9QE

Drawing Title

Section B-B-Phase 2

Scale

1:75@A3

Date

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LM ENGINEERING LTD
 consulting engineers

15 Kinloch Drive, London, Nw9 7LL - Tel: 020 8205 1427
 Fax: 020 8205 1427

Job No.

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Drawing No.

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