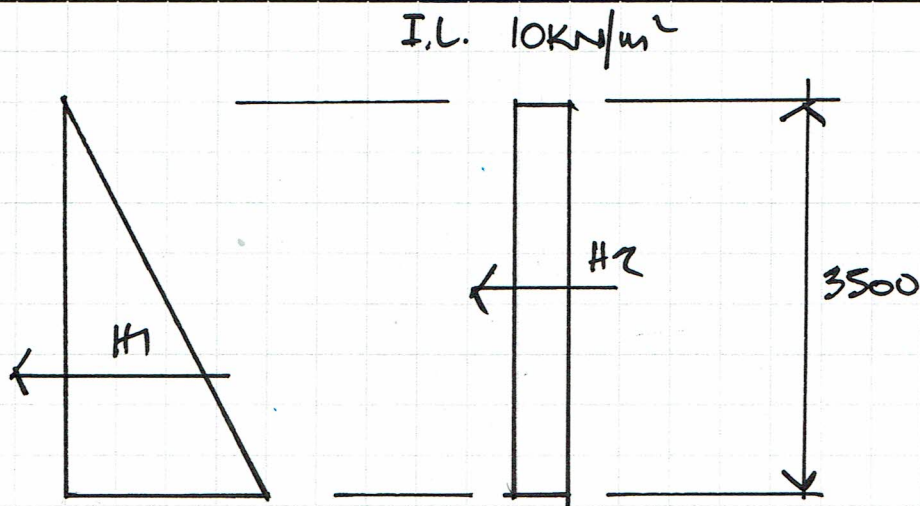


APPENDIX 3

TEMPORARY WORKS



$$Y = 18 \text{ KN/m}^3 \quad K_0 = 0.50 \quad P_p = 3.50 \quad \mu = 0.40$$

DEAD LOAD WALLS OVER (WITHOUT EXTENSION) = $6 \times 4.6 = 27.6 \text{ KN/m}$

TOTAL H = $(18 \times 0.5 \times 3.5^2 / 2) + (0.5 \times 10 \times 3.5 / 2) = 64 \text{ KN/m}$

LATERAL RESISTANCE DUE TO BASE FRICTION = $27.6 \times 0.4 = 11 \text{ KN/m}$

NETT LATERAL FORCE TO PROP = $64 - 11 = \underline{53 \text{ KN/m}}$ SLS

P_{PASSIVE} REQ TO RESIST / BALANCE 53 KN/m

$$P_p = 18 \times 3.5 \times \frac{D^2}{2} \quad D^2 = \sqrt{\frac{(53 \times 2)}{(18 \times 3.5)}} = 1.30 \text{ m}$$

Say 1.40 m

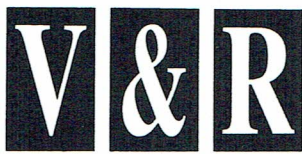
Props @ max 2.50 m c/c.

Water - Bm max = $53 \times 2.5^2 / 8 = 41.4 \text{ KN.m}$

Z_{req} = $41.4 / 0.23 = 180 \text{ cm}^3$

Prop - Load = $53 \times 2.5 = 133 \text{ KN}$ $L = 5.00$

152 UC 30 Z = 222 cm³
PROM ST 152 UC 30 OR DOUBLE
SLIMLITE



VINCENT & RYMILL

Project

SPENCER RISE
T. WORKS

Portion

LATERAL PROPPING TO BASEMENT

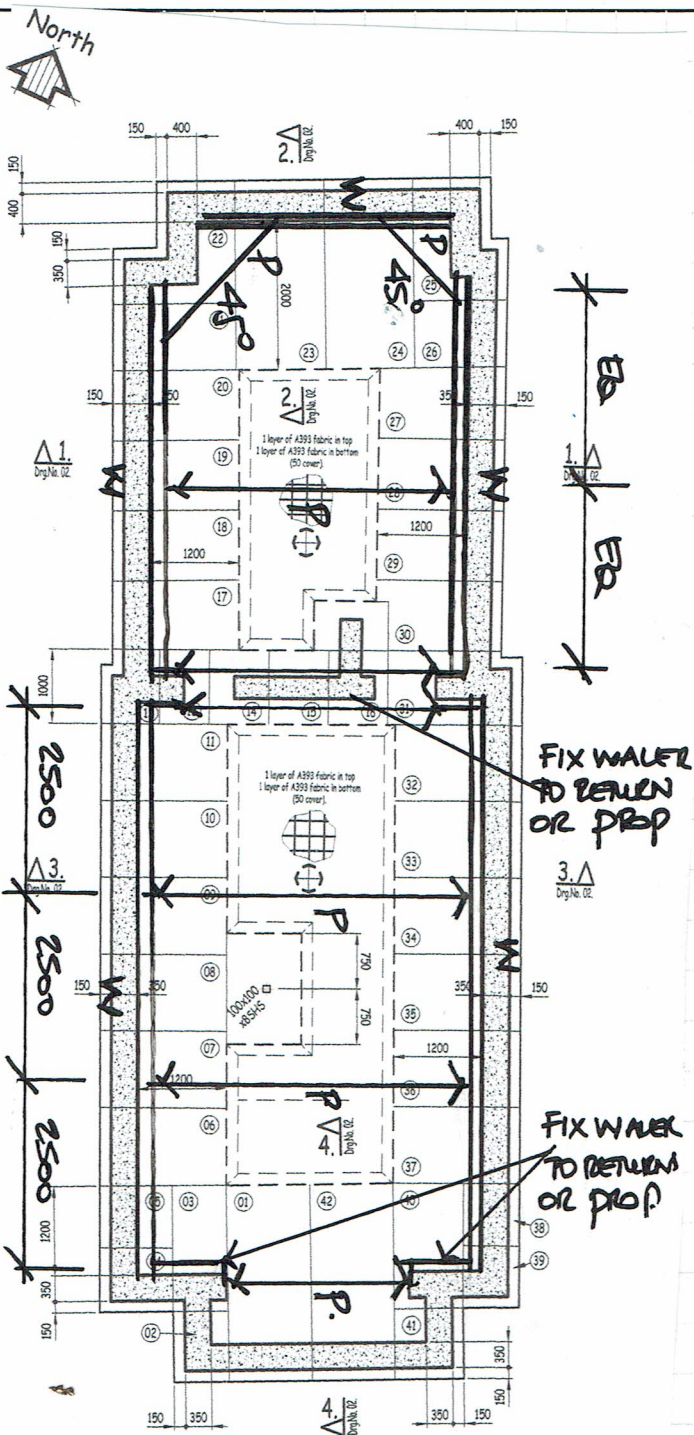
Job No. 18806

Sheet No. TW2

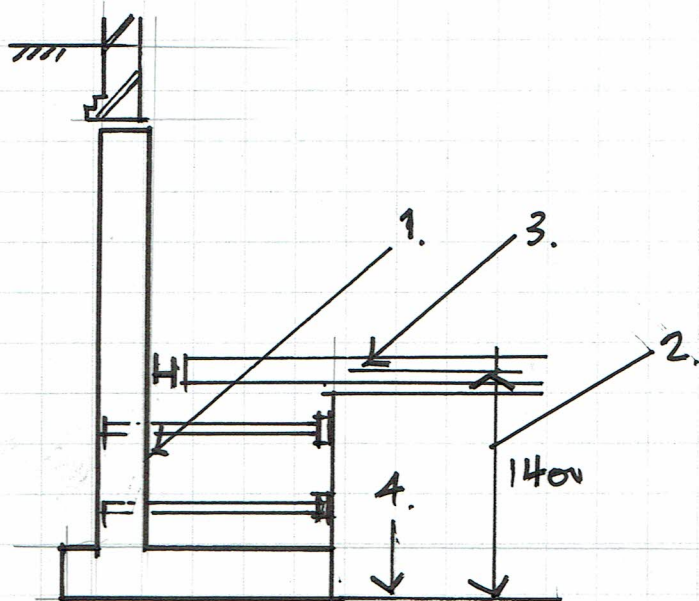
Made by: TV

Date: MARCH 2018

Checked by:



W = WALKER 152 UC 30. BOLTED TO CONCRETE WALLS AT 1.0m ϕ . 350x100x10 PLATES WELDED TO FLANGE AGAINST WALL 2NO 20 ϕ RESIN FIXINGS TO WALL. FLANGE PACKED TO WALL WITH SEMI DRY SAND/CUT PACK.
 P = 152 UC 30 OR 2NO SIMILITES TOGETHER.



Proposed Basement Plan Showing.
Proposed Underpinning Plan.

(Scale 1:50 at A1)

1. COMPLETE UNDERPIN WALLS & BASES
BASE OF WALL PROPPED AGAINST CENTRAL BAND.
2. REDUCE INTERNAL LEVELS TO 1400
ABOVE FORMATION.
3. INSERT LATERAL PROPPING. TIGHTEN
& CHECK
4. REDUCE TO FORMATION

APPENDIX 4

SPECIFICATION FOR MOVEMENT MONITORING

1 SPENCER RISE LONDON NWS 1AR MOVEMENT MONITORING

INTRODUCTION

- Movement monitoring will be carried out by special contractor.
- Recommendations of BRE Digest 343 Part 2 'Simple Measuring and monitoring of movement to low rise buildings' shall be followed.
- Movements in three planes (left to right, front to back and verticality) will be measured relative to remote and stable control stations.

EQUIPMENT

- All measurements will be made with suitable EDM equipment.

ACCURACY

- The accuracy (stated standard deviation to ISO 17123-4) in both level and plan position shall be +/- 1mm but this is dependent upon site conditions / weather at the time of survey.

MONITORING STATIONS

- Monitoring points shall be agreed between the party wall surveyors and consulting engineer. The targets to be monitored will be retro reflective targets fixed to the walls with resin adhesive See attached plans / photos for proposed positions.

SURVEY CONTROL

- Minimum of 3 reference points remote from the site. (At least 5.0m away from the site boundary)

PROCEDURE

- Survey equipment shall be set up on firm a base.
- Each location will be measured in turn and readings of distance and angle, and Northing, Easting and height will be recorded.
- Readings will be repeated on both faces of the instrument.

FREQUENCY

- Two sets of baseline readings will be taken before any excavation work commences, with an interval of no less than 5 days between the two sets of readings.
- Frequency of readings during the basement excavation works will be every two weeks.
- One final reading will be taken 4 weeks after basement works are complete.

TRIGGER VALUES

Amber Level = 5mm

- At Amber level basement construction work will cease and procedures reviewed by the project Structural Engineer to determine additional safeguards or working practices need to be implemented. Work will not restart until approval of project Engineer. The building owner's surveyor and adjoining owner's surveyor informed of level being reached, monitoring will become more frequent at weekly intervals.

Red Level = 8mm

- Construction works shall cease on site until a thorough review of working practice has been carried out by project Structural Engineer. Any additional temporary works shall be implemented by Contractor
- Works will not recommence until approval has been given by the Project Engineer and both the owner and adjoining owner surveyors.

RESULTS

- The recorded results shall be tabulated and graphically presents in report form and issued to all relative parties
- Monitoring results shall be presented within 24 hours of measuring.
- The contractor will identify trends in movement from the results before amber level is reached and assess the best course of action to take.



GENERAL NOTES:

- 01 For Site and O&M setting out refer to A300003000
- 02 All dimensions to be checked on site
- 03 Any dimensions in brackets are approximate
- 04 All levels are above Ordnance Datum (AOD)
- 05 All levels are shown true
- 06 All levels are shown to the finished building level
- 07 For Substances see the Design Drawings and Specifications
- 08 For details of work subject to Contractor's Design, the drawings in brackets of the detail & performance shall be used in conjunction with the specifications and conditions of the installation with the performance stated in the specifications, documents, etc. Contract terms and conditions
- 09 Room numbers are shown true
- 10 Door (D), Window (W) Reference Door No./Window No. as shown true
- 11 Glass is to be as specified
- 12 T-Sheet Reference shown true
- 13 Fixtures are shown true
- 14 Setting Out Points shown true
- 15 Refer to A3000100 for T-Sheet references, and to A3000100 910 for Architectural Specifications.

NOTES:

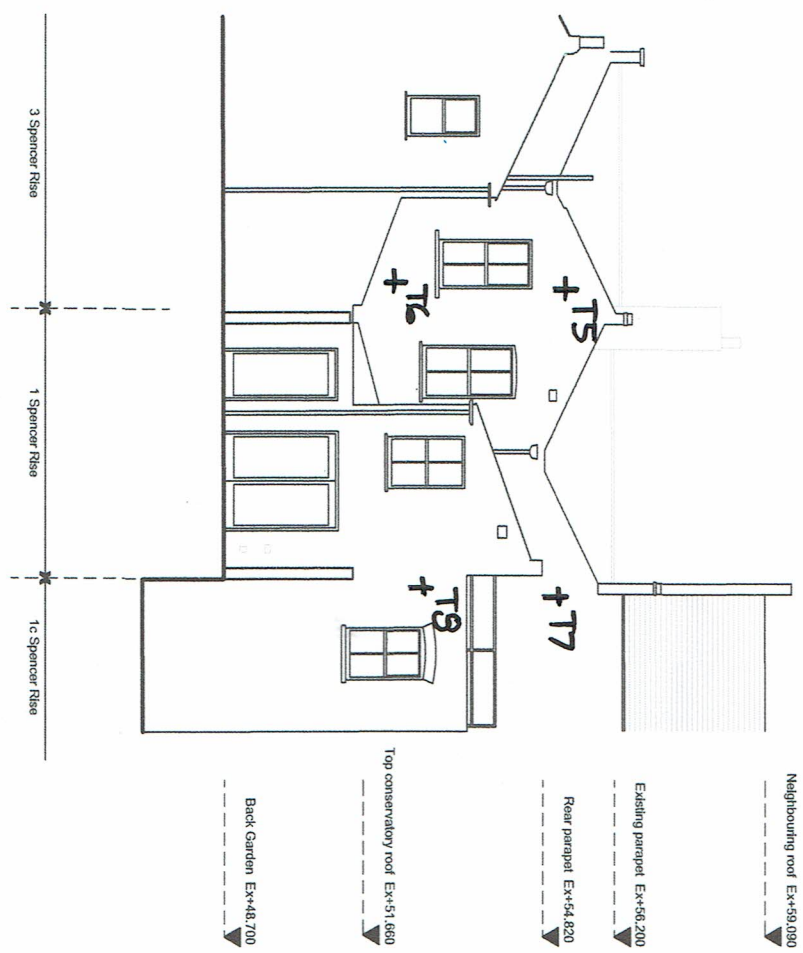
Date	Revision	Status

EDWARD WILLIAMS ARCHITECTS

45 Riding Hall Close, London, W11 3LD
 E: enquiries@edwardwilliamsarchitects.com

Project: 1 Spanser Rise
Subject: Existing Front Elevation

Scale: 1:100 @ A3		
Sort Code	Drawing No.	Revision
A/1SR	0203	A



GENERAL NOTES:

- Q1 For Site and Grid setting out refer to A200003000
- Q2 All dimensions to be checked on site
- Q3 Any deviation to be reported to the Architect immediately to be agreed to the Architect's satisfaction
- Q4 All levels are above Ordnance datum (AOD)
- Q5 New Levels are shown thus:

25.315
25.315
25.315

 Existing Levels are shown thus:

25.315
25.315
25.315
- Q6 Use figure dimensions only. Do not scale from drawings. If R/D QUANTITY, ASK
- Q7 Refer to Engineers drawings for all structural and services information.
- Q8 For information see the Design Drawings and Specifications
- Q9 For details of work subject to Contractor's Design, this drawing is indicative of the detail & performance to be achieved. It is not a contract document. The final design and construction of the installation shall be the responsibility of the contractor, who shall be responsible for the design, construction and completion of the installation.
- Q10 Room numbers are shown thus:

010

 Door No./Direction of opening
 Door Type
 Fire Rating
 Intermittent Type
- Q11 Chair height is shown thus (indicated door is shown closed)
- Q12 T-Spread Reference shown thus
- Q13 Fixtures are shown thus:

400

- Q14 Sighting Grid Points shown thus:

520

- Q15 Refer to Appendix 100 for T-Spread references, and to Appendix 110 to 1110 for Architectural Specifications.

NOTES:

Date	Revision	Status

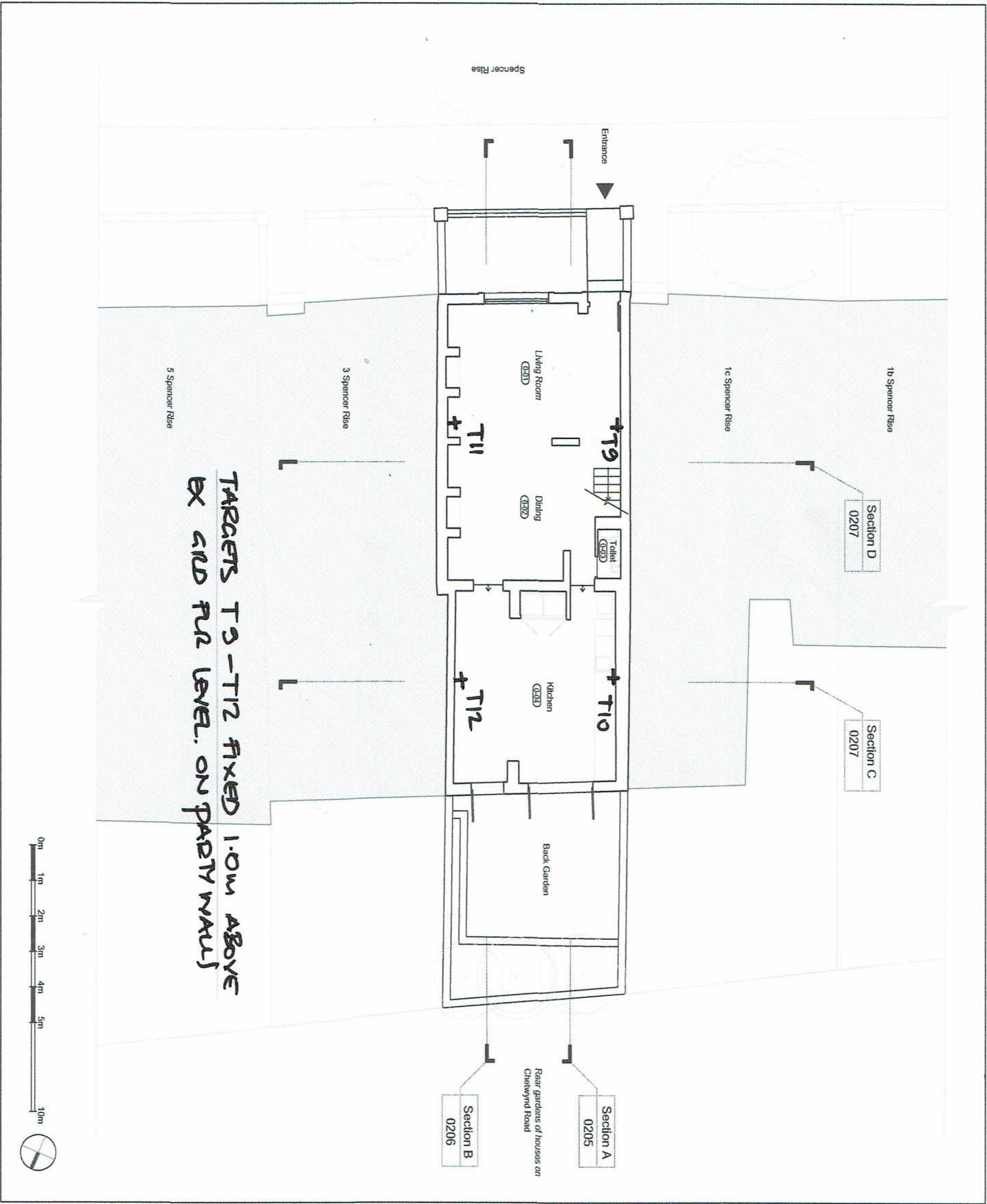
EDWARD WILLIAMS ARCHITECTS

45 Riding Hall Close, London, W11 3LD
 E: mail@edwardwilliamsarchitects.com

Project: 1 Spencer Rise
Subject: Existing Rear Elevation

Scale: 1 : 100 @ A3

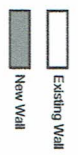
Sort Code	Drawing No.	Revision
A/1SR	0204	A



GENERAL NOTES:

- 01 For S&B and G&D refer to A200003000
- 02 All dimensions to be checked on site
- 03 Any door or window openings to be checked on site to ensure they are in accordance with the specifications
- 04 All levels are above Ordnance datum (AOD) unless stated otherwise
- 05 Use fixed dimensions only. Do not scale from drawings. If R/D QUANT. ASK for variations see the Design Drawings and Specifications
- 06 For dimensions of work subject to Contractor's Design, the drawings in accordance with the specifications shall be the primary design and co-ordinates of the installation shall be the primary design and co-ordinates of the installation. Dimensions shall be as shown on drawings and confirmed on site.
- 07 Room numbers are shown in blue.
- 08 Door (D) & Window (W) Reference Door No./Window No. as shown here:
- 09 Chair height is shown in blue (existing door to be checked on site)
- 10 T-Sheet Reference shown in blue
- 11 Fixtures are shown in blue
- 12 Setting Out Points shown in blue
- 13 Refer to A2000100 for T-Sheet references, and to A2000110 to 8102 for Architectural Specifications.

NOTES:



Date	Revision	Status

EDWARD WILLIAMS ARCHITECTS

43 Hiding Hall Close, London, W11 3LD
E: mail@edwardwilliamsarchitects.com

Project: 1 Spencer Rise
Subject: Existing Ground Floor

Scale: 1:100 @ A3	Sort Code	Drawing No.	Revision
A/1SR	0200	A	