<u>GENE</u>RAL

- Drawings to be read in conjunction with WYE Structural Basis of Design report and structural specifications
- WYE draw ings cover the design of primary structural elements only Drawings to be read in conjunction with all other Architects and Engineers drawings and specifications
- Do not scale from the drawings. All dimensions are in millimetres unless noted otherwise.
- Refer to Architects drawings for all setting out dimensions
- Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Enginee

ABBREVIATIONS

-	
BWIC	Builder's work in concrete
CJ	Construction Joint
CRS	Centres
c/c	Cross Centres
EGL	Existing Ground Level
FFL	Finished Floor Level
FGL	Finished Ground Level
HL	High level
MC	Mass Concrete
MJ	Movement Joint
NTS	Not to scale
PC	Precast Concrete
RC	Reinforced Concrete
SSL	Structural Slab Level
SFL	Structural Floor Level
TA	To above
тв	To below
TOC	Top of Concrete Level
TOS	Top of Steel Level
TBC	To be confirmed
UNO	Unless noted otherwise
U/S	Underside
WYE	Webb Yates Engineers

Precast Concrete Lintel P/C

SCOPE OF WORKS / RESPONSIBILITIES

TEMPORARY WORKS

- Final design and specification of temporary works to be carried out by appointed contractor. The contractor is responsible for determining the order of work, method and requirements for the design of temporary works, back propping, waling, dewatering or any other works necessary for the safe execution of the project and protection and prevention of damage to adjacent structures.
- 2. STEEL DESIGN STEEL DESIGN Steel connections designed by specialist contractor. Refer to design drawings for connection design forces and design moments. These should be considered ultimate factored loads and should be considered to act concurrently. Connections to be designed in accordance with BS EN 1993-1-1 and shall meet minimum robustness requirements set out in BS EN 1991-1-7 Construction detailing and final design of balustrades and other architectural metalwork by appointed contractor

3 TIMBER ELEMENTS

- Design verification, construction feasibility, design detailing, site measurements, site coordination and installation sequencing by appointed contractor.
- 4. NON STRUCTURAL GLAZING, CLADDING AND PARTITIONS Design of non-structural items including; glazing, partitions, cladding and roof coverings, by others. Non-Structural items should be designed to allow for up to 20mm deflection of supporting structure UNO. Connection points for glazing/cladding to primary structure should be agreed in advance with WYE.

LOADING

Office (Category B1) Office (Category B2)

Roof (Category H)

GROUND CONDITIONS

1. For Site Investigation refer to (TBC)

RESIDUAL RISKS

emain sources of construction risk

5. STAIRCASES Final design and detailing by appointed contractor, Contractor to provide applied loads, details of required supporting structure

2.5 kPa

3.0 kPa

0.6 kPa

- and connections. Connections to ensure sufficient resistance to progressive collapse.
- 6. WATERPROOFING It is assumed the waterproofing to the basement box consists of Type B (structurally integral) combined with Type C (drained). The Contractor is responsible for carrying out the detailed design of the waterproofing system.

Design wind loads are calculated in accordance with BS EN 1991-1-4 Design imposed loadings. The structure has been designed for the following imposed loads in accordance with BS EN 1991-1-1:

The following structural risks and critical structural arrangements have been identified from the design process. These aspects

Water ingress during excavation of Pile Caps. Contractor to take appropriate measures to control water ingress.
 Collapse of deep excavations for Pile Caps. Ensure excavations are properly battered back or propeed during construction.
 Collapse of party walls into excavations. Ensure excavations are properly battered back or propeed during construction.
 Collapse of party walls into excavations. Ensure excavations are properly battered back or propeed during construction.
 Collapse of party walls into excavations. Ensure excavations are properly battered back or propeed during construction.
 Collapse of party walls into excavations. Ensure excavations are propeed during construction.
 Collapse of adjacent structures. Piled retaining wall and temporary works to be designed to control lateral movement of the retaining walls at each stage of the construction sequence during construction.
 Damage to roots within root protection area of protected trees, Contractor to employ appropriate measures to ensure RPA's are protected during the works. Refer to Aboriculturalist Reports and Specifications.
 Contractor to ensure no live buried services in pile locations prior to piling.
 Damage to adjacent and existing buildind during construction and underpinning works.

Water ingress during excavation of Pile Caps. Contractor to take appropriate measures to control water ingress

STEEL SHEET PILE WALL

- Sizes and details for the sheet pile retaining wall shown on WYE drawings are indicative only. Final design is the responsibility of the specialist sub-contractor to WYE layout and performance specification.
 Refer to WYE Piling and Groundworks Specifications for full Specification requirements.
 All piling works to be carried out in accordance with the current edition of Specification for Piling and Embedded Retaining Walls' (SPERW)
- Wals' (SPERW). Sheet piles are to be TBC Tolerance in plan position to be 75mm in any direction from the centre point at the commencing surface. The maximum permitted deviation of the finished pile from vertical is 1 in 75. Connection between RC and sheet piles with shear studs as shown on details.

CONCRETE

- Reinforced concrete is designed in accordance with BS EN 1992-1-1 Refer to WYE In-situ Reinforced Concrete Specification for full requirements
- Tolerances and setting out:
- Accuracy of construction: To section 7 of National Structural Concrete Specification
- Surface regularity: Tolerance class SR3 to BS 8204 Concrete mixes:
- Blinding/mass concrete infill Manhole surrounds/drainage works Pile Caps
- Suspended ground floor slab Walls/Columns/Suspended upper floor slabs

75mm

50mm

30mm

30mm

30mm

RC32/40

GEN3

RC32/40

RC32/40 Designed mix - refer to full Specifications requirements

- WatisCouldniks/Subspreaded upper like/upper like/subspreaded upper like/subspr
- edition.
- Concrete covers (minimal nominal cover): Pile Caps
 - Bottom
 - Sides
 - Top Ground Floor Slab
 - Top & Bottom
 - Upper Slabs Top & Bottom
 - Columns/walls Each face
- 25mm Concrete Beam dimensions are given as Depth x Width inclusive of the slab depth
- Conclude beam university of an expert as Depth A volumentative or the statue beput. Ribbed bar reinforcement to be grade B500B to B5 4449 and plain bar reinforcement to be grade 250. All reinforcement to be cut and bent in accordance with B5 8666. Reinforcement to be supplied from companies holding valid certificates of approval for product conformity issued by the UK Certification Authority for Reinforcing Steels (CARES).
 - inforcement to be cut under any circumstance without prior approval from the Enginee

STEELWORK

- Structural steelwork is designed in accordance with BS EN 1993-1-1 Structural steelwork to be supplied, fabricated and erected in accordance with National Structural Steelwork Specification Structural steelwork to be supplied, fabricated and erected in accordance with National Structural Steelwork Specification
 (NSSS), 5th edition.
 Steel plates grades to be as follows UNO:
 Plates, flats and rolled sections
 Structural hollow sections hot rolled
 S255 J2h to BS EN 10210
 Bolts to be Grade 8.8, minimum M16, sheradised black bolts to BS 4190 supplied with washers to suit the grade and size of
 both (unless order)
- bolt (unless noted). All welds to be a minimum of 6mm fillet welds made with suitable electrodes to match the steel grades of the connected
- pieces. Steelwork protective coatings in accordance with BS EN 12944 Class C3H unless noted otherwise The steelwork fabricator should submit fabrication drawings and connection calculations to WYE for acceptance not less than two weeks before the commencement of fabrication.

Minimum 7.3 N/mm Minimum 21 N/mm Maximum 10 kN/m³ Minimum 18 kN/m³

Category I

NEW MASONRY

- Masonry is designed in accordance with BS EN 1996-1-1. Refer to Architect's Masonry Specification for full specification requirements. Masonry requirements are as follows UNO:

- Blockwork strength
- Brickwork strength Low density blockwork
- High density blockwork Mortar designation

- Category of masonry units Category of construction control
- All masonry wall returns to be fully bonded unless noted otherwise
- Masonry its to be stainless steel grade 304
 All cavity walls tied at 450 mm centres vertically and at 900 mm centres horizontally and at half centres at openings and edges with BS 5628-1 "Type-1" wall ties.
 Movement joints in clay masonry to be at max 12m c/c and in concrete blocks at max 9m c/c.

EXISTING MASONRY

- imed bricks of the same age, size and colour as existing bricks
- Lime mortar to match existing. Refer to Architect's Masonry Specification for full specification requirements. All masonry wall returns to be fully bonded unless noted otherwise

TIMBER

- 1. All structural timber products to be sourced from sustainable sources and well-managed forests / plantations in accordance An structural influer products to be sourced in this subainable sources and verificint agree international agreements such as the Convention on International Trade in Endangered Species of wild fauna and flora (CITES). Contractor to provide documentary evidence of independently verified provenance certification for supplied timber, or, evidence that suppliers have adopted and are implementing a formal environmental purchasing policy for timber and wood based products. The timber structure is designed in accordance with BS EN 1995-1. Refer to Webb Yates Engineers' Specifications for full specification requirements. Cross section dimensions shown on drawings are target sizes as defined in BS EN 336 for structural softwood and hardwood evidence.
- Otos security anieristors around a stating and the stating and the security of the security of the strength grade C24 UNO to BS EN 338, strength graded to BS 4978, BS EN 14081-1, or other national equivalent and so marked. Softwood treated with organic solvent impregnation to Wood Protection Association Commodity Specification C8.
 Moisture content of wood and wood passed products at time of installation to be not more than 20% for internal heated enaces
- spaces. 7. Unless noted otherwise ply to be fixed to studs with 3.00 mm diameter wire nails at least 50 mm long, maximum spacing 75
- Onliess folde unerwise pry to be note to study with 3.00 mm damineter with nais at least of mm hong, maximum spacing 75 mm on perimeter, 150 mm internal.
 All softwood for general use shall be stress graded to BS 4978, BS EN 518, BS EN 519 or the National Grading Rules of the Canadian NLGA or the USA NGRDL. Species and grading shall be in accordance with tables 3-7 and 10-13 of BS EN1995-1: Part 2 and with the strength/class shown on the structural drawings.
 All polywood shall be manufactured to the appropriate national strandards and quality control. Grades shall be as specified in BS EN 1072; Part 2 and with strength/class shown on the structural drawings.
- EN 10/2: Part 2 alto with steright/class shown on the subcoder drawings.
 Solution of the subcoder drawings.
 Nails and Wood screws: These are to comply with BS 1202 and 1210 respectively.
 Nuts and Bolts: These are to comply with BS 4190.
 Washers: These are to comply with BS 4200.
 Mild Steel Timber Connectors: These are to comply with BS 1579.
 Adhesives: These shall comply with BS 1202 and BS 1204.
 The field to all fixed and fastenings is to ha as specified on the drawings and with a mini
- Auresives: i nese snail comply with BS 12/04 and BS 12/04. 11. The finish to all fixings and fastenings is to be as specified on the drawings and with a minimum of a sheradised finish. 12. Timber members that are damaged, crushed or split beyond the limits permitted by their grading will not be accepted in the
- Works.
 13. Ware is not permitted at the bearings of structural members.
 14. Notching or drilling of holes in structural members will not be permitted without the approval of the Engineer. Where notches or holes are permitted, these shall be positioned with the approval of the Engineer in such a way that there are no knots or other
- defects in the residual section. 15. Washers are to be fitted under the heads of all nuts and bolts. Use spring washers in locations which will be hidden or
- Washers are to be fitted under the heads of all nuts and bolts. Use spring washers in locations which will be hidden or inaccessible in the completed building.
 Pre-drilling of bolt holes to diameters as close as practical, but not more than 2 mm greater than the nominal bolt diameter.
 Pre-drilling of bolt holes to stark was to be in accordance with BS EN 1995-1-2:2002 §6.5.1. The hole for the shank shall have a diameter equal to the shank diameter and be no deeper than the length of the shank. The pilot hole for the threaded portion of the screw shall have a diameter of about half the shank diameter.
 Spacing of holes for naries, screws or bolts to be in accordance with the structural drawings and BS EN 1995-1-2:2002.
 Spacing of holes for naries, screws or bolts to be in accordance with the structural drawings and BS EN 1995-1-2:2002.
 Spacing of holes for naries, screws or bolts to be in accordance with the structural drawings and BS EN 1995-1-2:2002.
 Spacing of holes for anties, screws or bolts to be in accordance with the structural drawings and BS EN 1995-1-2:2002.
 Spacing of holes for anties, screws or bolts to be in accordance with the structural drawings and BS EN 1995-1-2:2002.
 Spacing of holes for anties, screws or bolts to be in accordance with the structural drawings and BS EN 1995-1-2:2002.
 Spacing of holes for anties, screws or bolts to be in accordance with the structural drawing area and the fasteners shall, if necessary, be tightened again when the members have reached their equilibrium moisture content. Screw shall be turned, not harmered, into pre-drilled holes.
 All components shall be accurately machined and manufactured to BS 4268: Part 2.
 Phy to floors, walls and roof to be Finnish Birch with a WBP adhesive.
 The moisture content of all timber shall be not more than follows;

- 22. The moisture content of all timber shall be not more than follows; Timbers covered in generally unheated spaces: Timbers covered in generally heated spaces:
 - Timbers covered in generally heated spaces: 20% Internal covered timbers in continuously heated spaces: 20%
- 23. The moliture content shall be maintained until compared spaces. 20% of the project within 3% of the expected equilibrium moisture content of the building in use. The contractor shall store timber and components under cover, clear of the ground and with good ventilation. The contractor shall store timber and components under cover, and the provident specified molisture content is not exceeded.
- The contractor shall ensure when handling structural timber that no over stress, distortion, or disfigurement of sections and omponents occurs.
- No making good or replacement of damaged or defective timber shall occur without the prior approval of the C.A. 22. No manuary good of topocontent of damaged of determined shall occur without the print apploved of the C.R. (26. All adhesives should be used in accordance with the manufacturers instructions with regard to preparation of timber surfaces, material qualities, clamping pressures, and curing times. Particular attention should be given to ensuring that clamping pressures are achieved with the contractors proposed method of construction. Surfaces to be glued shall be freshly prepared, clean and free from dirt, dust, oil or other contamination likely to affect the performance of the adhesive, and make close contact over the area to be joined. Sufficient glue shall be applied evenly over the surfaces to ensure that, after application of the bonding pressure, an unbroken glue line is obtained. There shall be some 'squeeze out' of adhesive when the bonding pressure is applied. 27. The contractor shall provide fabrication drawings for approval by the Architect for any elements of the structure to be

of the aforementioned code of practice.

fall within one third of the permissible deviations.

42, timbers span over 2.5m additional strutting should also be specified as follow

Rows of strutting none needed

1 (at centre of span)

2 (at equal spacing)

immediately to the C.A.

on site before covering up

Span [m] Under 2.5

2.5 to 4.5

BUILDER'S WORK NOTES

Holes in slabs which have been cast:

Over 4.5

ecommendations

to site

fabricated off site. These drawings shall be provided at a stage in the program of construction that will allow for a minimum

period of approval of 10 working days unless otherwise agreed. 28. The contractor shall provide a detailed method statement for the fabrication, assembly and erection of the structural timber

The contractor share provide a detailed interfactor statement on the factoration, assenting and rectain the neuronal model work not less than 10 working days prior to the commencement of fabrication.
 The contractor should provide all temporary bracing and props required to maintain the structural timber elements in position and ensure complete stability during construction. The construction of the roof should take account of the temporary deflection of the purifies down the slope before the ply is fixed. Temporary bracing of stability walls and first floor/roof should be

provided until ply facing is fully fixed. 30. The dimensions of timber sections, unless otherwise stated, are basic (nominal) sizes. When planed (wrot) timber is specified the reduction to finished sizes is to comply with BS 4471 for softwood and BS 5450 for hardwood. The contractor should ensure that material irregularities and deformations in the basic materials are not allowed to produce irregularities in the

fabricated work i.e. bow in sheet material and twist in joists. 31. Nail Plate Type Fasteners: All plates shall be fixed so as not to project beyond the edges of the timber section.

32. End Joints: Do not use without prior approval. 33. Structural timber shall be treated with preservative to BS EN 1995-1: Part 5, Table 6, where required according tables 4 and 5

34. Chromated Copper Arsenate (CCA) shall not be used. Timber requiring protection shall either be treated with Tanalith or water

based Boron preservatives. 35. Structural timber that is to receive clear finishes is to be kept clean and the first coat is to be applied and cured before delivery

6. All timber which is sawn along the length, ploughed, thicknessed, planed or otherwise extensively processed shall be retreated. Surfaces exposed by minor cutting and drilling shall be treated with two flood coats. Ensure compatibility between the flood coat solution and the primary treatment.

 37. Not less than ten working days prior to the proposed erection of the structural timber, check foundations and other structures to which the timber structure will be attached for accuracy of setting out. Inaccuracies or defects are to be rep

 Unless specified otherwise erect structural timber to levels and accuracy so that with respect to BS 5606 tables 2 and 3; all achieved dimensions should fall within the permissible deviations, and approximately two thirds of achieved dimensions should

tail within one third of the permissible deviations.
39. The contractor shall ensure that dimensional and level surveys are carried out during erection and once erection is complete.
The survey information shall be forwarded to the C.A. in a clear format. 40. The contractor shall give the Engineer reasonable opportunity to inspect the structural timber works both at the workshop and

All proprietary fixings such as joist hangers and angle brackets to be installed in accordance with manufacturers

41. Strutting of joists / purlins / rafters. Herringbone strutting or blocking should be provided at the ends of solid timbers. Where

43. Restraint Straps. Restraint straps at not more than 2m centres should be provided along the walls that run parallel to the joists / purlins / rafters. Where joists / purlins / rafters are supported on hangers restraint straps along the direction of the rafter at not more than 2m centres are required. 44. Noggins to timber walls. Blocking to be provided at mid-height to timber wall studs

45. Timber stud walls for stability. Joints to ply either side of studs to be staggered. The walls, including ply facing, are integral to the stability of the building against horizontal forces and must not be modified or removed without structural engineering advice being obtained. All the walls shown on the structural plans are required for stability. 46. All wall sole plates fixed with a minimum HUS anchors @ 400c/c to masonry, or equivalent fixing to other support structures or

5mmØ screws at 600mm centres to timber floors. 47. All timbers indicated on drawings to be fixed with BAT Maxi Speedy joist hangers to timber or SPH hangers to masonry

1. Holes less than 300mm square are not shown on structural drawings. Refer to services engineer's drawings eater than 200mm square not shown on structural drawings must be agreed with the engineer

 Holes in slabs which have been cast:

 a) Holes less than 300mm wide are to be diamond cored.
 b) Holes greater than 300mm wide will generally not be allowed.

 No builder's work openings are to be cut without first obtaining greement to proceed from the CA.
 Openings in beams and load bearing walls will generally not be allowed, unless approved by the engineer.
 Inifiling of openings around services to architect's or service engineer's requirements. Where a load bearing infill is required this is to be designed by the contractor. Details to be submitted to the CA for comment.
 Openings in blockwork walls less than 200mm = no lintel, 200mm to 1400mm = 140x65 PC lintel, >1400 = 140x140 PC lintel LINO. All Openings in blockwork walls less than 200mm service. UNO. All openings to agreed with WYE before construction. 8. No openings, demolition, fixings or changes are permitted in existing fabric without previous agreement with design team.

Notes

SAFETY HEALTH AND ENVIRONMENT

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following :

Maintenance & Cleaning

commissioning & Demolition

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement



Toddler Lab, 32 Torrington Square

Drawing Title

Project

General Notes

. .

MM CP

Drawing Status

Developed Design			Jesign		
Drawn by	Drawn by Checked by Sheet size Scale Rev Status				
JD	TW	A1	1 : 50	S3	
Drawing Number Revision			Revision		
J2889-S-DR-0001			01		

J2889-S-DR-0001



- Denotes span of existing floor/ceiling joists/roof rafters
- Item of works defined in Schedule of works
- Areas of floors and facade where items of work \$ (floors) and 2 (facade) will
- Restraint Straps (see 4 of schedule of works and details
- Denotes temporary props to be installed directly under each of the existing beams down to basement slab

Prior or the works to the lacade taking place, part or the existing ceilings needs to be strengthened. These ceilings are in the two front rooms at first, second, and third floor levels, as well as ceilings in stairwell used for access during the works (see extent on plans). Refer to detail view TBC on WYE drg.J2889-S-DR-0011. The fixings will have to be placed on every other joist, and at a maximum spacing of 900 mm c/c along the joist line. $\langle 2 \rangle$ Works to the front facade brickwork Works to the front facade brickwork - Remove the bricks of the central facade panel from the parapet level down to second floor level (see indicative extent of panel on view 5 Front Facade Elevation. Care must be taken to ensure that the removal of the bricks does not affect the brick below. If damage to the bricks below is identified, the Engineer is to be notified immediately, and the works put on hold until a site visit is arranged. - Out mortar off from the face of the bricks and store the bricks so that they can be reused. Facing bricks are to be stored in separate piles to the internal bricks. - If existing facing bricks are to odamaged to be reused, they are to replaced by existing internal bricks. If required, new bricks can be used but only in parts of the wall which are not exposed. Allow for 100 existing bricks to be replaced. (7 slabs but only in parts of the wall which are not exposed. Allow for 100 existin bricks to be replaced. - Remove the existing stone slabs forming the third floor cill band. The stone slabs are to be stored during the works, and reinstated as stone stabs are to be stored during the works, and reinstated as existing. - Once the brickwork has been removed, the condition of the retained brickwork between second floor and roof levels are to be surveyed by the contractor. The findings are to be submitted to the Engineer, to determine if any further areas need to be rebuilt. - The temportry bracing system, installed to restrain the facade off the flank and party walls, can be removed at this stage. - Rebuild the front facade panel with the existing internal and facing bricks using lime mortar. The same brick bond (Flemish) detail, as existing, is to be used. The rebuilt masonry is to be fully bonded to the retained masonry. retained masonry. The lime mortar is to have a 1:3 binder:aggregate proportions The infra motion is to have a 1.5 Unicer aggregate proportions, comprising: - 1 part mature non-hydraulic lime putty - 2 parts well-graded sand - 1 part crushed brick (typically 400 to 20 microns) - The bearing of the existing roof beams onto the facade is to be reinstated, as existing.

Refer to Site Set up and Temporary Works notes for details of items of works to be completed before repair works take place. The numbering of the items below correspond to numbers detailed on the views on the

 $\langle 1 \rangle$ Prior to the works to the facade taking place, part of the existing

drawing.

reinstated, as existing. Works to the rear facade brickwork - Remove the bricks of the central facade panel from the parapet level down to third floor level (see indicative extent of panel on view 6 Rear Facade Elevation. Care must be taken to ensure that the removal of the bricks does not affect the brick below. If damage to the bricks below is identified, the Engineer is to be notified immediately, and the works put on hold until a site visit is arranged. - Out mortar off from the face of the bricks and store the bricks so that they can be reused. Facing bricks are to be stored in separate piles to the internal bricks. - If existing facing bricks are too damaged to be reused, they are to replaced by existing internal bricks. If required, new bricks can be used but only in parts of the wall which are not exposed. Allow for 100 existing bricks to be replaced. - Remove the existing stone slabs forming the third floor cill band. The store slabs are to be stored during the works, and reinstated as existing.

stone stabs are to be stored during the works, and reinstated as existing. - Once the brickwork has been removed, the condition of the retained brickwork between second floor and roof levels are to be surveyed by the contractor. The findings are to be submitted to the Engineer, to determine if any further areas need to be rebuilt. - The temporary bracing system, installed to restrain the facade off the flank and party walls, can be removed at this stage. - Rebuild the front facade panel with the existing internal and facing bricks using lime mortar. The same brick bond (Flemish) detail, as existing, is to be used. The rebuilt masonry is to be fully bonded to the retained masonry.

retained masonry. The lime mortar is to have a 1:3 binder:aggregate proportions,

Temporary roof to exten beyond roof ridge and to

watertight

Works to rea

roof parapet refer to item

Scaffold to be

watertight enclosure

(9)

12

Rea

- 1 part matter on hore a robust of the article and a significant properties of the article and a significant of the article and a significant of the article and a significant of the article article and a significant of the article artic einstated, as existing.

(3) The external brick lintels over the windows are to be rebuilt as existing, using the same bricks which have been removed, in the exact same locations. S10 (100x100) prestressed concrete lintels by Supreme Concrete Ltd (or similar approved) are to be used to support the inner part of the facade, in lieu of the existing timber lintels. The ends of the concrete lintels are to bear 150 mm on the brickwork.

Site Set-up and Temporary Works Notes enclosure or

all four sides Prior to the works to the existing fabric (other than item 1 of Schedule of

10.1.1 W1. An external access scaffold tower has been previously erected in front of the building, approximately to the top of the existing roof parapet. The scaffolding contractors are Artel Scaffolding Ltd (tel 0208 343 9600). The existing scaffold provides access to the external surface of the front facade and also acits as part of a temporary bracing system to the defective brickwork panel.

- fabric of the building is to be carried out by the contractor and submitted to the Contract Administrator prior to start on site.

5 Works to Lead Flashing/Gutter Along the front facade, reinstate the existing lead flashing at the rear of

- Reinstate the existing windows (frames and sashes), rebuild window cills and reveals. - Recreate the cill band at third floor level reusing the existing stone

lath out ends. But joints in lans are to be staggered between adjace timber frame studs in groups of 12 laths. The plaster is to be placed in three coats; a pricking up coat over the laths, a floating coat, and a setting coat. The pricking up and floating coats are to comprise; - 1 part mature non-hydraulic lime putty - 2.5 parts well-graded sand - 5 kg of hair per cubic metre in pricking up coat and 3 to 5 kg in the

floating coat. The setting coat is to comprise; - 1 part mature non-hydraulic lime putty - 1 part fine sand. $\langle 9 \rangle$ Wherever cement mortar has been used for historic repairs to the brickwork, the cement mortar is to be removed to expose the existing limemortar behind, and the brickwork is to be repointed using lime mortar

(2) Where defects are found the facades are to be repointed to ensure water tightness. The Contractor is to Survey the brickwork to determine the extent of repair required (at start on site). All repointing with lime mortar.

Works) taking place, the following activities have to be co

- TW 2. The scaffold tower is to be extended upward and a temporary roof & rear scaffold is to be installed over the building, to form a watertight enclosure for the duration of the works to the front and rear wall and the roof/gutters.
- TW 3. Install propping to underside of roof rafters and roof beams along the front facade. The props are to be extended down to the basement level. Propping is to be designed for a temporary works line load of 25 kN/m (kk) and point load from timber beam of 10 kN [wk] per floor, total 75 kN/m and 30kN per joist.
- TW 4. The existing floors, other than at basement level, are not to be used for storage of heavy materials, nor as part of removal/delivery routes for heavy materials. Floors are only to be used for access. rear facade to TW 5. A detailed photographic survey of the conditions of the existing form

 - TW 6. Survey the conditions of the existing waterproofing and gutter details of the roof along the front facade parapet, as it will have to be reinstated once the front facade is rebuilt. Survey window reveals, heads and clils, as well as render band at third floor, as again these will have to be rebuilt.
 - The contractor is to measure the plumb of the front and rear facade brickwork across the facade width, between second floor level and top of the roof parapet, and submit the findings to the Engineer so that the extent of the brickwork to be rebuilt can be confirmed.
- TW 11. Once the works to the rear and front facade have been completed, the temporary roof and rear and front facade scaffolds are to be removed and the holes in the masonry, for scaffold fixings, are to be infilled using lime mortar. The contractor is to produce design and details of the temporary roof, rear scaffold and temporary proping, which are to be submitted for Contract Administrators approval. The contractor is to submit a detailed construction method statement, including details of site compound, storage areas and delivery routes, for Contract Administrators approval.

TW 12. Monitoring of the movement of the existing buildings is to be kept in place during construction.

Schedule of Works for Repairs to Front & Rear Facades

(4) The brickwork is to be tied to the second, third floor and roof structures using restraint straps (RS) to be installed @ 400mm c/c refer to detail drg. J2889-S-DR-0011

the roof parapet. - Along the rear facade, allow for replacing 1.5 m long section of the lead

gutter and flashing, where the existing flashing has failed. - All lead roof coverings are to be in accordance with BS 6915:2001. Code 8 lead sheets are to be used throughout. All lead covering is to be laid on 15 mm thick Finnish Birch plywood

deck. - The maximum spacing of joints in lead roof coverings is to be 750mm for joints with fall and 3000mm for joints across the fall.

 $\overline{(6)}$ Works to the existing windows and existing cill band.

 $\overline{\langle 8 \rangle}$ Once the brickwork has been rebuilt, the plaster on the inner face of the will is to be created using imperfactor on new timber laths. All laths are to be riven hardwood (oak, sweet chestnut, or pine) and to comprise 30 mm to 38 mm width and 6 mm to 8 mm thickness, and to be fixed to new timber framing in front of brickwork using stainless steel nails. All laths arte be spaced 6 mm to 8 mm clear apart, and end butt joints are to be placed over vertical studs with a minimum 3 mm gap between adjacent lath butt ends. Butt joints in laths are to be staggered between adjacent timber frame stude in groups of 12 lete

limemortar behind, and the brickwork is to be repointed using lime mortar (referto item 2 for mortar composition). Joints to be repointed should be completely cleared of all old cement mortar back to the original lime mortar, without widening of the joint, without damage to the arrises of the bricks, or disruption of the masonry face. The ability to deliver this result must be demonstrated by the contractor at the commencement of work by completion of an exemplar that will be retained for the duration of the work. This applies to the front facade and to chimney stacks above roof level. The contractor is to survey the brickwork at the start on site to determine the extent of the repairs required (allow for 50 m² total repointing area), and the findings are to be submitted for Contract Administrators approval. The contractor is to submit a detailed method statement.

(1) Strengthening of the existing floors is to be carried out by removing the existing floorboards, and strengthening existing floor joists by installing additional steel PFC joists. Where required, timber firring pieces on top of the joists are to be added on top of the joists to provide even level. The existing floor boards can then be reinstated. At location of local dip in the floor (identified at third floor stairwell landing), the Engineer is to be notified the existing floor structure has been exposed so that a site visit can be arranged, to determine extent of strengthening to the existing floor joists.

(1) In conjunction to the works to the rear lead gutter (see item 5), the internal wall finishes are to be removed locally in the rear room at third floorlevel, at the locations where water ingress has been identified in WYE Structural Survey Report J2880-SRP-0001. The area of wall finishes to be removed are located along the length of the lintel above the window and at the top comer between the rear facade and the flank wall. The Engineer is to be notified when the finishes have been removed, and the internal lintel above the window as been exposed, so that the condition of the lintel and the wall structure can be surveyed, and extent of the internal lintel works, if any, can be assessed. Allow for the replacement of the internal lintel by a 100x100 prestressed concrete lintel by Supreme Concrete Ltd.

Existing windows at second and third floor levels. The existing windows, including the sashes, frames and internal decorative wooden panels (below the third floor windows and around the second floor windows) are to be removed and reinstated, as existing, once the works to the front facade have been carried out. These elements are to be stored in an adequate manner during the works to prevent any damage. The contractor is to submit storage details for these elements.

TW 9. The existing parapet coping stones and lead flashing along the inner faces of the rear and front facade parapet are to be reinstated once the works to the brickwork are completed.

TW 10. Prior to the removal of the brickwork, the internal ceiling finishes along the front facade at third floor level have to be protected to prevent any damage during the removal of the brickwork. This could be achieved by creating a slot between the ceiling and front wall internal finishes.

- This drawing is to be read in conjunction with all relevant Engineers drawings and specifications, as well as in conjunction with WYE Structural Survey Report J2889-S-RP-0001
- 2. Do not scale from a paper or digital version of this drawing. Use written or stated dimensions only
- The existing structure shown on this drawing is based on survey drawings provided by Birkbeck, University of London and on a Survey carried out by WYE 18/11/16 and 07/12/16
- 4. No works are to take place without prior Listed Building Consent approval

SAFETY HEALTH AND ENVIRONMENT

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following : Construction

Maintenance & Cleaning

nmissioning & Demolition

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement



Toddler Lab, 32 Torrington Square

Drawing Title

Drawing Status

Facade Rebuild Front & Rear

MM CP

JD TW

Developed Design

Drawn by	Checked by	Sheet size	Scale	Rev Status
JD	TW	A1	1 : 100	S3
Drawing Number			Revision	
J2889-S-DR-0010			01	



SAFETY, HEALTH AND ENVIRONMENT

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following : Construction

Maintenance & Cleaning

Decommissioning & Demolition

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

New blocking timbers in line with steel restraint strap Existing loft joists

> 01
> 21.07.17
> Stage 3 Issue
>
>
> 00
> 13.07.17
> Preliminary Stage 3
>
>
> Rev
> Date
> Description
> MM CP JD TW Drn App WEBB 48-50 Scrutton Street London EC2A 4HH 020 3696 1550 www.webbyates.co.uk london@webbyates.co.uk Project Toddler Lab, 32 Torrington Square Drawing Title Facade Rebuild Front & Rear Details Drawing Status Developed Design Drawn by Checked by Sheet size Scale Rev Status JD TW A1 As S3 ndicated Drawing Number Revision J2889-S-DR-0011 01









Construction

Maintenance & Cleaning

Decommissioning & Demolition

1. For general notes refer to J2889-S-DR-0001

- 2. Do not scale the drawing
- This drawing to be read in conjunction with all other Architects and Engineers drawings and specifications including outline structural specification
- All dimensions are in millimetres unless noted otherwise
 Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers
- 6. Refer to Architects drawings for grid setting out relative to existing

SAFETY, HEALTH AND ENVIRONMENT

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following :

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

-Type 2 - Helifix ties tying existing floor joists to existing facade through 2 No joists

33 Torrington Sq.

Existing facade

-Helifix tie connector, used where necessary to allow for installation



32 Torrington Square

Drawing Title Typical Joist Connection Details

Drawing Status

		Developed Design		
Drawn by	Checked by	Sheet size	Scale	Rev Status
MM	TW	A1	1:5	S3
Drawing Number			Revision	
J2889-S-DR-0012			00	



Temporary prop sheet piles according to sheet pile design at top and bottom level. Props are to stay in place until basement box is fully installed and cured to 28 days strength.



Stage 3 - Underpin Butresses & Gable End Wall Underpins to be carried out in traditional hit and miss fashion, each underpin maximum 1.2m wide.



Stage 4 - Reduce Ramp Level

Reduce ramp level. Reduce to approx. +22.8 as existing ground level. Stabilize ground prior to further excavation if required due to ground water level. Existing graden wall to be carefully taken down and rebuilt after construction of new retaining structures.



to level of excavation for new basement

Notes

- 1. For general notes refer to J2889-S-DR-0001
- Do not scale the drawing
 This drawing to be read in conjunction with all other Architects and Engineers drawings and specifications including outline structural specification
- All dimensions are in millimetres unless noted otherwise
 Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers
- Refer to Architects drawings for grid setting out relative to existing

SAFETY, HEALTH AND ENVIRONMENT In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following : Construction

Maintenance & Cleaning

Decommissioning & Demolition

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

NOTE: Excavation to New Basement and underpinning may reach below ground water level if water monitoring is showing that GWL is above excavation level, gravel must be stabilised by localised injection of resin to stabilise gravel for excavation and stop water flow locally.



J2889-S-DR-0020

00







New RC Slab-

Stage 10 - Install Superstructure Butresses are retained during construction of superstructure.



Stage 11 - Remove butresses and cast in voids in structure where butresses were located

Notes

- For general notes refer to J2889-S-DR-0001
 Do not scale the drawing
- This drawing to be read in conjunction with all other Architects and Engineers drawings and specifications including outline structural specification
- 4. All dimensions are in millimetres unless noted otherwise All dimensions are in millimetres unless noted otherwise
 Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers
 Refer to Architects drawings for grid setting out relative to existing

SAFETY, HEALTH AND ENVIRONMENT In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following :

Maintenance & Cleaning

Construction

Decommissioning & Demolition

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

NOTE: Excavation to New Basement and underpinning may reach below ground water level if water monitoring is showing that GWL is above excavation level, gravel must be stabilised by localised injection of resin to stabilise gravel for excavation and stop water flow locally.





Note: 1. All SSL's ,TOC's & slopes TBC by Architect

Notes

1. For general notes refer to J2889-S-DR-0001

- 2. Do not scale the drawing
- This drawing to be read in conjunction with all other Architects and Engineers drawings and specifications including outline structural specification
- All dimensions are in millimetres unless noted otherwise
 Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers
- 6. Refer to Architects drawings for grid setting out relative to existing

SAFETY, HEALTH AND ENVIRONMENT In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following : Construction

Maintenance & Cleaning

Decommissioning & Demolition





<u>Legend</u>

-Cavity



250 Thk (UNO) RC wall Base't to L00 150 Thk (UNO) RC wall L00 & above

Existing wall to be retained

-Existing masonry butresses to remain during construction insitu concrete installed after buttress removal

Denotes floor span - refer to Floor Schedule for description

Precast concrete lintels above new openings in existing masonry

Column Schedule

ference	Description
RC1	220x600 RC Column
RC2	250x600 RC Column
RC3	200x600 RC Column
RC4	200x300 RC Column
RC5	270x600 RC Column

Notes

For general notes refer to J2889-S-DR-0001
 Do not scale the drawing

- This drawing to be read in conjunction with all other Architects and Engineers drawings and specifications including outline structural specification
- All dimensions are in millimetres unless noted otherwise
 Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers
- 6. Refer to Architects drawings for grid setting out relative to existing

SAFETY, HEALTH AND ENVIRONMENT

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following : Construction

Maintenance & Cleaning

Decommissioning & Demolition





100 Thk 20N/mm² Brickwork 150 Thk RC wall -Cavity
250 Thk (UNO) RC wall Base't to L00 150 Thk (UNO) RC wall L00 & above
Existing wall to be retained
-Existing masonry butresses to remain during construction
insitu concrete installed after buttress removal

Denotes floor span - refer to Floor Schedule for description

Precast concrete lintels above new openings in existing masonry

Column Schedule

ference	Description
RC1	220x600 RC Column
RC2	250x600 RC Column
RC3	200x600 RC Column
RC4	200x300 RC Column
RC5	270x600 RC Column

Floor Schedule

ference	Description
F1	Assumed floor span - Ex. 50x200 timber joists @ 400c/c + new PFC200x75x23 in between existing floor boards are to be reinstated with iron nails to architect & heritage consultants details

Beam Schedule

ference	Description
xSB1	Ex Steel Beam (size TBC)
RCB1	550 x 200 RC Beam
RCB2	600 x 150 RC Beam

Wall Restraint Schedule

erence	Description
T1	Helifix bowtie @ 400 c/c installed through noggings
T2	Helfity bowtie HD @ 400 c/c fixed into 2 no. parallel joists, installed from internally. Helfity bars connected where necessary to allow for installation (limited space between ex, joists). Installed to manufacturers specification.
Т3	Helifix HD @ 400 c/c fixed into 2 no. parallel joists. Installed from external face to manufacturers specification
T4	Traditional restraint straps, fixed to existing joists and tied in with front facade during reconstruction of facade
T5	Helifix wall ties tying roof trusses & existing/proposed masonry walls together

Notes

- For general notes refer to J2889-S-DR-0001
 Do not scale the drawing
- This drawing to be read in conjunction with all other Architects and Engineers drawings and specifications including outline structural specification
- All dimensions are in millimetres unless noted otherwise
 Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers
- Refer to Architects drawings for grid setting out relative to existing

SAFETY, HEALTH AND ENVIRONMENT

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following : Construction

Maintenance & Cleaning

commissioning & Demolition





//_//	•

— 100 Thk 20N/mm² Brickwork — 150 Thk RC wall -Cavity

250 Thk (UNO) RC wall Base't to L00 150 Thk (UNO) RC wall L00 & above

Existing wall to be retained

 Existing masonry butresses to remain during construction
 insitu concrete installed after buttress remained removal

Denotes floor span - refer to Floor Schedule for description

Precast concrete lintels above new openings in existing masonry

Column Schedule

ference	Description
RC1	220x600 RC Column
RC2	250x600 RC Column
RC3	200x600 RC Column
RC4	200x300 RC Column
RC5	270x600 RC Column

Floor Schedule

ference	Description
F1	Assumed floor span - Ex. 50x200 timber joists @ 400c/c + new PFC200x75x23 in between existing floor boards are to be reinstated with iron nails to architect & heritage consultants details

Beam Schedule

ference	Description
xSB1	Ex Steel Beam (size TBC)
RCB1	550 x 200 RC Beam
RCB2	600 x 150 RC Beam

Wall Restraint Schedule

erence	Description
T1	Helifix bowtie @ 400 c/c installed through noggings
T2	Helifix bowtie HD @ 400 c/c fixed into 2 no. parallel joists, installed from internally. Helifix bars connected where necessary to allow for installation (limited space between ex. joists). Installed to manufacturers specification.
Т3	Helifix HD @ 400 c/c fixed into 2 no. parallel joists. Installed from external face to manufacturers specification
T4	Traditional restraint straps, fixed to existing joists and tied in with front facade during reconstruction of facade
T5	Helifix wall ties tying roof trusses & existing/proposed masonry walls together

Notes

1. For general notes refer to J2889-S-DR-0001

- 2. Do not scale the drawing
- This drawing to be read in conjunction with all other Architects and Engineers drawings and specifications including outline structural specification
- 4. All dimensions are in millimetres unless noted otherwise Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers
- Refer to Architects drawings for grid setting out relative to existing

SAFETY, HEALTH AND ENVIRONMENT

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following : Construction

Maintenance & Cleaning

commissioning & Demolition





Note: 1. All SSL's ,TOC's & slopes TBC by Architect

1 \$500000

-100 Thk 20N/mm² Brickwork -150 Thk RC wall -Cavity

250 Thk (UNO) RC wall Base't to L00 150 Thk (UNO) RC wall L00 & above

Existing wall to be retained

 Existing masonry butresses to remain during construction insitu concrete installed after buttress removal

Denotes floor span - refer to Floor Schedule for description

Precast concrete lintels above new openings in existing masonry

Column Schedule

ference	Description
RC1	220x600 RC Column
RC2	250x600 RC Column
RC3	200x600 RC Column
RC4	200x300 RC Column
RC5	270x600 RC Column

Floor Schedule

erence	Description
F1	Assumed floor span - Ex. 50x200 timber joists @ 400c/c + new PFC200x75x23 in between existing floor boards are to be reinstated with iron nails to architect & heritage consultants details

Beam Schedule

ference	Description
xSB1	Ex Steel Beam (size TBC)
CB1	550 x 200 RC Beam
RCB2	600 x 150 RC Beam

Wall Restraint Schedule

erence	Description
T1	Helifix bowtie @ 400 c/c installed through noggings
T2	Helifix bowtie HD @ 400 c/c fixed into 2 no. parallel joists, installed from internally. Helifix bars connected where necessary to allow for installation (limited space between ex. joists). Installed to manufacturers specification.
Т3	Helifix HD @ 400 c/c fixed into 2 no. parallel joists. Installed from external face to manufacturers specification
T4	Traditional restraint straps, fixed to existing joists and tied in with front facade during reconstruction of facade
T5	Helifix wall ties tying roof trusses & existing/proposed masonry walls together

Notes

1. For general notes refer to J2889-S-DR-0001

- 2. Do not scale the drawing
- This drawing to be read in conjunction with all other Architects and Engineers drawings and specifications including outline structural specification
- All dimensions are in millimetres unless noted otherwise
 Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers
- Refer to Architects drawings for grid setting out relative to existing

SAFETY, HEALTH AND ENVIRONMENT

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following : Construction

Maintenance & Cleaning

commissioning & Demolition





1. All SSL's ,TOC's & slopes TBC by Architect

Legend

-Cavity



100 Thk 20N/mm² Brickwork -150 Thk RC wall

250 Thk (UNO) RC wall Base't to L00 150 Thk (UNO) RC wall L00 & above

Existing wall to be retained

 Existing masonry butresses to remain during construction insitu concrete installed after buttress removal

Ref Denotes floor span - refer to Floor Schedule for description

Precast concrete lintels above new openings in existing masonry P/C Lintel

Column Schedule

ference	Description
RC1	220x600 RC Column
RC2	250x600 RC Column
RC3	200x600 RC Column
RC4	200x300 RC Column
RC5	270x600 RC Column

Floor Schedule

Reference	Description
F1	Assumed floor span - Ex. 50x200 timber joists @ 400c/c + new PFC200x75x23 in between existing floor boards are to be reinstated with iron nails to architect & heritage consultants details

Beam Schedule

ference	Description
xSB1	Ex Steel Beam (size TBC)
RCB1	550 x 200 RC Beam
CB2	600 x 150 RC Beam

Wall Restraint Schedule

Reference	Description
T1	Helifix bowtie @ 400 c/c installed through noggings
T2	Helifix bowtie HD @ 400 c/c fixed into 2 no. parallel joists, installed from internally. Helifix bars connected where necessary to allow for installation (limited space between ex. joists). Installed to manufacturers specification.
Т3	Helifix HD @ 400 c/c fixed into 2 no. parallel joists. Installed from external face to manufacturers specification
T4	Traditional restraint straps, fixed to existing joists and tied in with front facade during reconstruction of facade
T5	Helifix wall ties tying roof trusses & existing/proposed masonry walls together

Notes

For general notes refer to J2889-S-DR-0001
 Do not scale the drawing

- This drawing to be read in conjunction with all other Architects and Engineers drawings and specifications including outline structural specification
- All dimensions are in millimetres unless noted otherwise
 Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers
- Refer to Architects drawings for grid setting out relative to existing

SAFETY, HEALTH AND ENVIRONMENT

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following : Construction

Maintenance & Cleaning

commissioning & Demolition





^{1.} All SSL's ,TOC's & slopes TBC by Architect

~	2
	-
	_

0.000.0000

erence	Description
xSB1	Ex Steel Beam (size TBC)
CB1	550 x 200 RC Beam
RCB2	600 x 150 RC Beam

erence	Description
T1	Helifix bowtie @ 400 c/c installed through noggings
T2	Helifix bowtie HD @ 400 c/c fixed into 2 no. parallel joists, installed from internally. Helifix bars connected where necessary to allow for installation (limited space between ex. joists). Installed to manufacturers specification.
Т3	Helifix HD @ 400 c/c fixed into 2 no. parallel joists. Installed from external face to manufacturers specification
T4	Traditional restraint straps, fixed to existing joists and tied in with front facade during reconstruction of facade
T5	Helifix wall ties tying roof trusses & existing/proposed masonry walls together

For general notes refer to J2889-S-DR-0001
 Do not scale the drawing

- This drawing to be read in conjunction with all other Architects and Engineers drawings and specifications including outline structural specification
- All dimensions are in millimetres unless noted otherwise
 Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers
- 6. Refer to Architects drawings for grid setting out relative to existing

SAFETY, HEALTH AND ENVIRONMENT

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following : Construction

Maintenance & Cleaning

missioning & Demolition

02	21.07.1	7 Stage 3 I	ssue		MM	CP
01	13.07.1	7 Prelimina	ary Stage 3		JD	TW
00	07.07.1	7 Develope	ed Design		JD	CP
Rev	Date	Descripti	on		Drn	Арр
VERV Date Description Din App VALUES 48-50 Scrutton Street London EC2A 4HH 020 3696 1550 www.webbyates.co.uk						ENGINEERS et H 550 k
			Iondo	n@webby	ates.co	.uĸ
Project Toddler Lab, 32 Torrington Square					ıb, ire	
Drawing Title General Arrangement						
Roof Plan						
Drawing Status Developed Design					gn	
Draw	n by	Checked by	Sheet size	Scale	Rev Sta	itus
,	JD	TW	A1	1 : 50	s	3
Draw	ing Numbe	r			Revisio	n
J2889-S-DR-0140				02	2	



- For general notes refer to J2889-S-DR-0001
 Do not scale the drawing
 This drawing to be read in conjunction with all other Architects and Engineers drawings and specifications including outline structural specification
- All dimensions are in millimetres unless noted otherwise
 Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers
- Refer to Architects drawings for grid setting out relative to existing

SAFETY, HEALTH AND ENVIRONMENT In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following : Construction

Maintenance & Cleaning

Decommissioning & Demolition





- For general notes refer to J2889-S-DR-0001
 Do not scale the drawing
 This drawing to be read in conjunction with all other Architects and Engineers drawings and specifications including outline structural specification
- All dimensions are in millimetres unless noted otherwise
 Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers
- 6. Refer to Architects drawings for grid setting out relative to existing

SAFETY, HEALTH AND ENVIRONMENT In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following : Construction

Maintenance & Cleaning

Decommissioning & Demolition

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement



Toddler Lab, 32 Torrington Square

Drawing Title

Drawing Status

General Arrangement Sections - Sheet 2

Developed Design

Drawn by	Checked by	Sheet size	Scale	Rev Status
JD	TW	A1	1 : 50	S3
Drawing Numb	Revision			
J2	02			



Notes For general notes refer to J2889-S-DR-0001 Do not scale the drawing This drawing to be read in conjunction with all other Architects and Engineers drawings and specifications including outline structural specification

- All dimensions are in millimetres unless noted otherwise
 Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers
- 6. Refer to Architects drawings for grid setting out relative to existing

SAFETY, HEALTH AND ENVIRONMENT In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following : Construction

Maintenance & Cleaning

Decommissioning & Demolition

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

02	21.07.17	Stage 3 Issue	MM	CP
01	13.07.17	Preliminary Stage 3	JD	TW
00	07.07.17	Developed Design	JD	CP
Rev	Date	Description	Drn	Арр
		48-50 Scruttor London ECZ 020 365	B S S S T S tr 2A 4	ENGINEERS et H 550

www.webbyates.co.uk london@webbyates.co.uk

Project

Drawing Title

Drawing Status

Toddler Lab, 32 Torrington Square

General Arrangement Sections - Sheet 3

Developed Design

Drawn by	Checked by	Sheet size	Scale	Rev Status
JD	TW	A1	1 : 50	S3
Drawing Numb	Revision			
J2889-S-DR-0202				02

B2

- For general notes refer to J2889-S-DR-0001
 Do not scale the drawing
 This drawing to be read in conjunction with all other Architects and Engineers drawings and specifications including outline structural specification
- All dimensions are in millimetres unless noted otherwise
 Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers

6. Refer to Architects drawings for grid setting out relative to existing

SAFETY, HEALTH AND ENVIRONMENT In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following : Construction

Maintenance & Cleaning

Decommissioning & Demolition

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

02	21.07.17	Stage 3 Issue	MM	CP
01	13.07.17	Preliminary Stage 3	JD	TW
00	07.07.17	Developed Design	JD	CP
Rev	Date	Description	Drn	App
		48-50 Scruttor London EC2 020 365 www.webbyate london@webbyate	B S A 4 B S S C O S S C O S S C O S S C S S C S S C S S C S S C S S C S S C S S C S S C S S C S	ENGINEERS et H 50 k
Proje	ct	Toddler	۱a	b
		reduier	-4	~,
		32 Torrington Sq	ua	re
Draw	ing Title			

General Arrangement Sections - Sheet 4

Developed Design

Drawn by	Checked by	Sheet size	Scale	Rev Status
JD	TW	A1	1 : 50	S3
Drawing Numb	Revision			
J2889-S-DR-0203				02

Drawing Status

- 1. For general notes refer to J2889-S-DR-0001
- 2. Do not scale the drawing
- This drawing to be read in conjunction with all other Architects and Engineers drawings and specifications including outline structural specification
- All dimensions are in millimetres unless noted otherwise
 Any discrepancies between structural and architectural setting out dimensions must be brought to the attention of the Architect and Engineers
- 6. Refer to Architects drawings for grid setting out relative to existing

SAFETY, HEALTH AND ENVIRONMENT In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following : Construction

Maintenance & Cleaning

Decommissioning & Demolition

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

32 Torrington Square

Substructure Details Sheet 1

Developed Design

Drawn by	Checked by	Sheet size	Scale	Rev Status	
JD	TW	A1	1 : 20	S3	
Drawing Numb	Revision				
J2889-S-DR-0400				02	

Drawing Title

Drawing Status