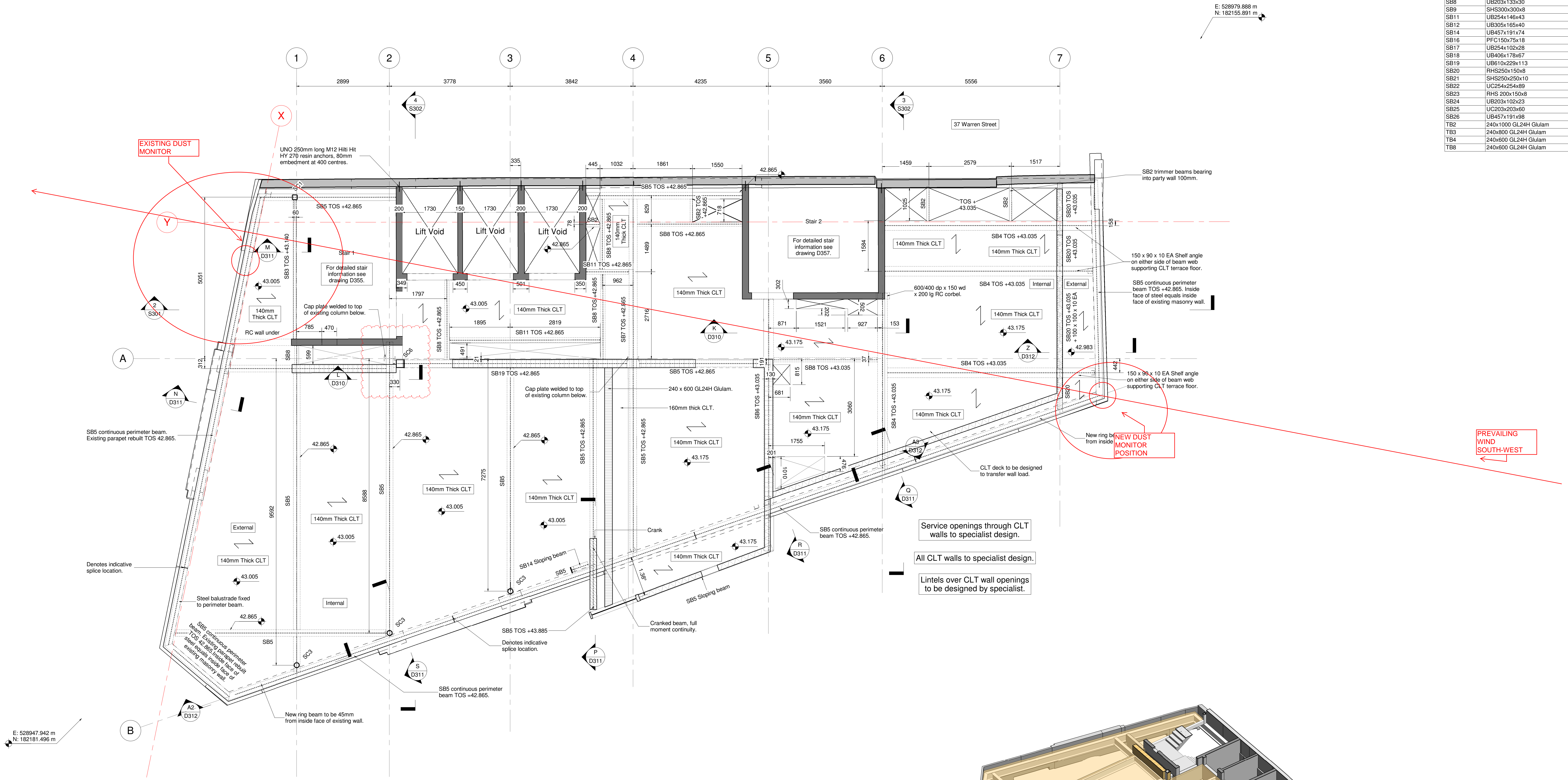


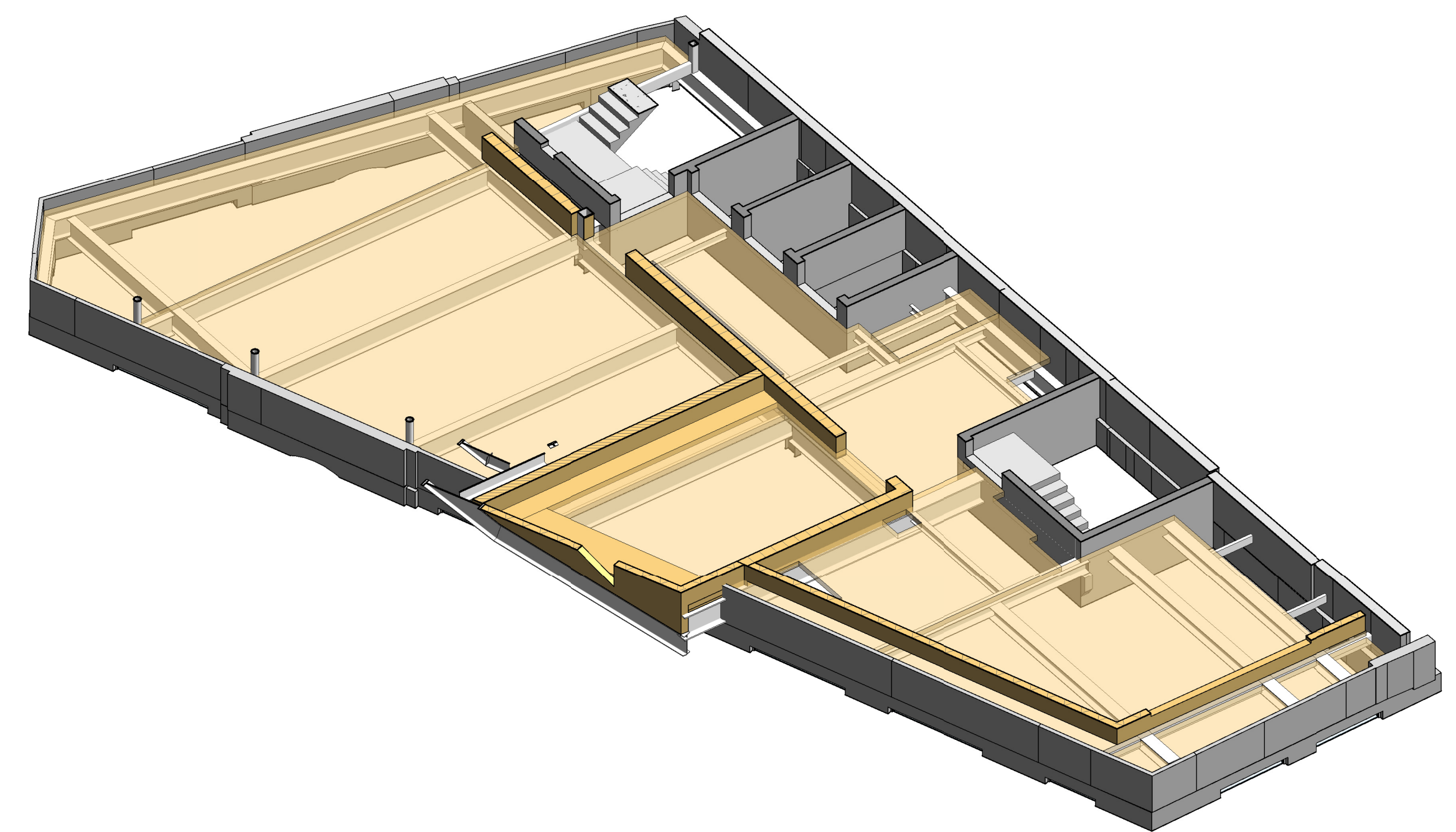
Column Schedule	
Type Mark	Type
Ex SC1	RSJ 356 x 151 x 85
Ex SC3	RSJ 260 x 140
Ex SC4	RSJ 203 x 154
SC1	SHS160x160x10
SC3	CHS168.3x10
SC4	PF150x90x24
SC5	UC152x152x37
SC6	SHS250x250x6.3

Beam Schedule	
Type Mark	Type
Ex SB1	Ex assumed I380x166 steel beam
Ex SB2	Ex assumed UB178x102x19
Ex SB3	Ex Steel Beam size unknown
SB1	UB152x89x16
SB2	PFC200x75x23
SB3	UB396x171x57
SB4	UC355x35x07
SB5	UB533x210x109
SB6	UB610x305x238 (S355)
SB7	UC254x25x473
SB8	UB203x133x30
SB9	SHS300x300x8
SB11	UB254x146x43
SB12	UB305x165x40
SB14	UB457x191x74
SB16	PFC150x75x18
SB17	UB254x102x28
SB18	UB406x178x67
SB19	UB610x229x113
SB20	RHS250x150x8
SB21	SHS250x250x10
SB22	UC254x25x489
SB23	RHS 200x150x8
SB24	UB203x102x23
SB25	UC203x203x60
SB26	UB457x191x98

- General**
- This drawing is to be read in conjunction with all Architect's, Engineer's and Services Engineer's drawings and specifications.
 - Do not scale from any of the structural drawings. All dimensions to be verified on site and any discrepancies should be highlighted.
 - The contractor is responsible for the stability of the building and adjoining structures during construction and shall design, install, adapt and maintain all necessary propping and temporary works. A method statement for the temporary works must be submitted to the contractor administrator for comment before work begins.
 - Fire protection to all structural elements to Architect's details.
 - All waterproofing to the Architect's details.
 - All materials to comply with the relevant British Standard.
- Foundations**
- The contractor is to give the Engineer a minimum notice period of 3 working days to inspect all foundation excavations.
 - Steps in foundations to be at least 1000mm long and no greater than 500mm high.
 - For day joints, install 2No. 400mm long 12mm Ø high grade steel dowels with 200mm embedment with minimum 75mm cover.
- Concrete**
- All materials and workmanship to comply with BS EN 1992.
 - All mass concrete to be designated grade GEN3.
 - All reinforced concrete to be designated grade RC32/40.
 - Unless otherwise noted the minimum cover to reinforcement is to be 35mm.
 - All pavements to be constructed in either 30N mass concrete or 50N (Class B) Engineering brick.
- Masonry**
- All materials and workmanship to comply with BS EN 1996.
 - New brickwork to have 70mm minimum chassing strength, minimum density of 1200kg/m³ and to be set in 1:1:6 cement/sand mortar.
 - New brickwork to have 20N/mm² minimum crushing strength and to be set in 1:1:6 mortar.
 - All wall ties are to be provided at min. 900 horizontal and 450 vertical centres and within 225 of all reveals.
 - All tie types, positioning and installation to be in accordance with BS EN 1996.
 - Vertical movement joints in masonry are required as follows:
 Brickwork - Every 12m horizontally
 Blockwork - Every 6m horizontally
 Refer to MNP layout for positions of movement joints. Positions to be confirmed by Architect prior to construction.
- Steelwork**
- All materials and workmanship to comply with BS EN 1993.
 - Unless noted otherwise all new steelwork to be grade S355 J0 (External), -R (Internal) to BS EN 10025. Bolts to be grade 8.8 equivalent and hot dip galvanized.
 - All steelwork to be thoroughly cleaned by grit blasting to grade Sa 2.5 and painted with 2 coats of zinc phosphate primer to a minimum overall thickness of 75 microns.
 - All steelwork built into a solid or cavity external wall should have 2 coats of high build bituminous paint.
 - The contractor must allow for tolerance in fabrication and provide all shimming and packing necessary to obtain the correct levels shown on the drawings.
 - Connections to be designed and detailed by fabricator.
- Timber**
- All materials and workmanship to comply with BS EN 1995.
 - Structural timber to be minimum Grade C24 and preservative treated.
 - Structural plywood to be Canadian or North American Douglas Fir or similar approved.
 - All proprietary timber fixings such as joist hangers to be hot-dip galvanized and used and installed strictly in accordance with the manufacturers recommendations.



FOURTH FLOOR PLAN
Scale - 1 : 50



REV	COMMENTS	DATE	CHK
CB	As noted	19/08/19	WW
C7	Issued For Construction	25/07/19	WW
CB	Issued For Construction	21/06/19	WW
CB	Issued For Construction	07/06/19	WW
CB	Issued For Construction	31/05/19	WW
C3	Issued For Construction	23/05/19	WW
C2	Issued For Construction	13/05/19	WW
CB	Issued For Construction	26/04/19	WW

CONSTRUCTION

mnp

mason navarro pledge
Consulting Civil and Structural Engineers
Bancroft Court
Hitchin
Hertfordshire, SG5 1LH
Telephone: 01462 632012
Email: office@mnp.co.uk
www.mnp.co.uk

CLIENT
BIRKBECK COLLEGE

PROJECT
CAMBRIDGE HOUSE

DRAWING TITLE
PROPOSED FOURTH FLOOR

SCALE: 1:50
DRAWN BY: SF
DATE: 02/07/19

DRAWING NO.: **218412-S-GA104**
REV: **C8**