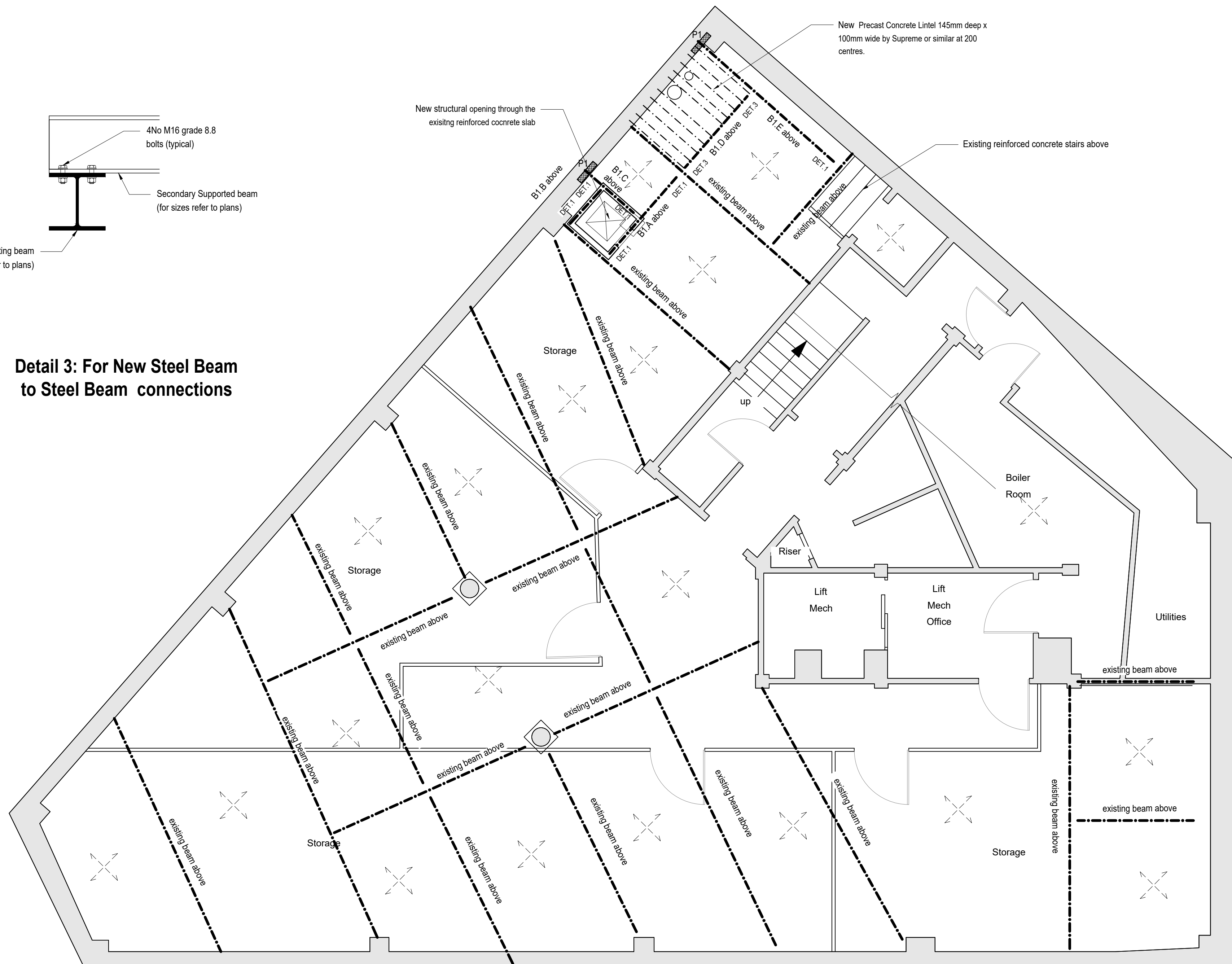


**Detail 3: For New Steel Beam to Steel Beam connections**



## Basement Plan
















(Showing Structure Above)


B1	152 x 152 x 37 UC Grade S355-JR *
B2	N/A
B2	N/A
B3	N/A
C1	N/A

P1	440 x 100 x 215 mm precast concrete padstone or 10mm Steel Plate or 3 courses Class 20N Engineering Brick 500mm long
P2	N/A
P3	N/A

L1	'CG' galvanised steel standard type open back lintel by 'Catic' to suit cavity width and opening length plus 300mm for end bearing (150mm each end).
L2	15 mm thick continuous steel plate welded to lower flange of steel beam with 6mm intermittent fillet weld 300 mm long with 300 mm spacing. Plate width to suit site conditions
L3	For new internal openings up to 1400mm long in existing single leaf masonry construction, use Precast Concrete Lintel 145mm deep x 100mm wide by Supreme or similar. For opening lengths greater than 1400 and up to 2400mm use Steel beam type UB 178 x 102 x 19.
L4	For new openings in existing cavity masonry wall construction, use 'CG' galvanised steel standard type open back lintel by 'Catic' to suit opening length plus 450mm allowance for total end bearing (225mm each end).  For existing solid external masonry construction up to 215mm wide, use 'CN' galvanised steel standard type box lintel by 'Catic' to suit opening length plus 450mm allowance for total end bearing (225mm each end).  For existing solid external masonry construction up to 330mm wide, add 1no. Supreme Pre-stressed Concrete Lintel 65mm x 100mm type P100 to inner leaf.

The Contractor has a duty and must inform the Structural Engineer if he identifies that any part of the structure differs from what has been indicated on the drawings prior to carrying on with any structural works.

	Denotes existing load-bearing masonry		Denotes padstone as per schedule
	Denotes new RC or precast concrete slabs		Denotes restraint and/or holding down straps required at 1.2m c/c's
	Denotes new blockwork		Denotes new floor structure as noted on plan
	Denotes new brickwork		Denotes assumed span of existing structure
	Denotes structure to be removed requiring Temporary Works design by Contractor		Denotes new steel beam
	Denotes new load-bearing timber stud partitions		Denotes assumed existing steel beam
			Denotes wall starter required
			Denotes wall toothed into existing
			Denotes new movement joint

DRAWING STATUS	
<h1>Construction</h1>	
	
<p>GeoTop London SE12 info@geotop.co.uk 07846544508</p>	
<p>PROJECT</p> <p>45a Monmouth Street, WC2H 9DG</p>	
<p>TITLE</p> <p><b>Proposed Basement Plan</b></p>	
SCALE	DATE
<b>1:50 at A1</b>	<b>03/08/23</b>
PROJECT No.	BY
<b>23016</b>	<b>RK</b>
DRAWING No.	REV
<b>23016-SD2</b>	<b>05</b>