

New MC underpin. 1m wide pins installed in standard underpin sequence. Thickness of pins to match existing masonry wall foundation over with 1300mm wide base. Refer to typical underpin detail on drawing 1843/P333

Provide B12 dowels, 400 long at 200 crs into existing footing

Concrete lintel over to form new door opening

New MC underpin. 1m wide pins installed in standard underpin sequence. Thickness of pins to match existing masonry wall foundation over with 1300mm wide base

MC underpins to have water bar and dowels across installed at all pour joints

12mm Flexcell soft joint between proposed and existing slab

Existing 150thk Ground Bearing slab to be retained

I.J.

Works to external stair landing in abeyance

**Column Schedule**

C1	152x152x37 UC
C3	152x152x30 UC
C4	203x203x46 UC
C5	203x203x60 UC
C6	193.7x8 CHS
CC1	400 x 225 RC

**Beam Schedule**

B1	152x152x23 UC
B2	350x150x10 RHS
B3	203x203x46 UC + 150x90x10 RSA welded to web
B4	356x171x51 UB
B5	203x203x60 UC
B6	533x210x122 UB + 150x90x10 RSA welded to web
B7	152x152x37 UC
B8	203x203x86 UC + 150x90x10 RSA welded to web
B9	254 UC107 + 150x90x10 RSA welded to web
B10	254x254x89 UC + 150x90x10 RSA welded to web
B11	305x165x46 UB
B12	254x146x31 UB
B14	305x305x158 UC
B15	254x254x73 UC + 150x90x10 RSA welded to web
B16	254x146x43 UB
B17	305x165 UB46 + 150x90x10 RSA welded to web
B18	203x203x71 UC
BR1	150 x 10 MS plate cross-brace
CB1	750d x 250w WRC
CB2	350d x 600w MC
CB3	600d x 250w RC
CB4	600d x 250w WRC
CB5	400d x 200w RC
EA1	100x100x10 EA fixed to perimeter with M12 @ crs with HY270 resin UNO min 80mm embedment
EA2	150x150x12 EA fixed to perimeter

**Pad Foundation Schedule**

P1	2000 x 2000 x 750 thk MC pad footing
P2	2250 x 1500 x 750 thk RC pad footing
P3	1200 x 1200 x 750 thk MC pad footing
P4	2600 x 1500 x 750 thk RC pad footing
P5	2200 x 1000 x 500 thk RC pad footing
P6	2500 x 2500 x 750 thk MC pad footing
P7	1500 x 1500 x 350 thk MC pad footing
P8	750 x 750 x 350 thk MC pad footing

- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm
- All post-fix anchors into masonry to be fixed with Hilti-HY270 resin UNO. Refer to details for fixing type and embedment depth
- All insulation and waterproofing details to architect's specification
- ToS levels to underside of decking UNO
- All setting out to be confirmed on site in relation to existing structure

L Indicates requirement of UEA/EA welded to beam web. Refer to schedule for size of angles

[5] Indicates requirement for pairs of 100mm long 19Ø shear studs @ 300 crs welded to top flange of steelwork

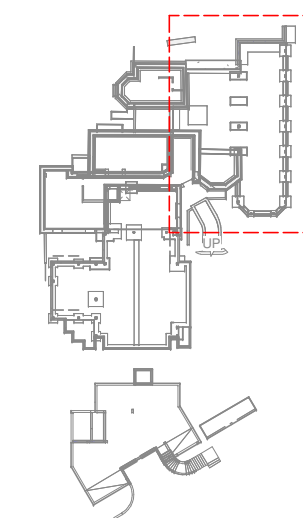
**Floor Schedule**

Floor	Concrete	Profiled deck	Timber Floor	Glass Floor
1	X	X		X
2			X	
3				X
4				X
5				X
6				X
7				X
8				X

**Legend**

	Proposed RC structure
	Proposed WRC structure
	Proposed Steel Framing
	PS1 - 450lg x 215wd x 150dp MC padstone PS2 - 600lg x 215wd x 215dp MC padstone
	Connection Strengthening
	Crank
	Splice
	Moment connection
	Thermal Break
	Pre-camber
	Break in beam
	Indicates column baseplate loading
	Indicates connection loading

Refer to drawings 004 for connection loading tables



DWG P314 **Key Plan**  
1:500

C1	16.04.19	JH	GP	CONSTRUCTION ISSUE
T1	29.03.19	JH	GP	Issued for Tender
Rev	Date	By	Eng	Amendments

**HEYNE TILLET STEEL** STRUCTURAL ENGINEERS  
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Job Name  
**Channing Junior School N6 5JR**

Drawing Title  
**Proposed Lower Ground Floor Plan - Phase 3**